Former Clinton County Airport
Lots H and I
Plattsburgh, NY 12901

NYSDEC SITE NO. 510026
KAS Project #508215230

SITE CHARACTERIZATION REPORT – STAGE 3 AND SITE-WIDE

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List of Acronyms

Standard acronyms used in this report include:

AEDA	- Architectural & Engineering Design Associates, P.C.
ASTM	- American Society for Testing and Materials
B&L	- Barton and Loguidice, D.P.C.
bgs	- Below Ground Surface
btoc	- Below Top of Casing
CAMP	- Community Air Monitoring Plan
CERCLA	- Comprehensive Environmental Response, Compensation, and Liability Act
DPC	- Design Professional Corporation
4,4-DDE	- Dichlorodiphenyldichloroethylene
4,4-DDT	- Dichlorodiphenyltrichloroethane
ELAP	- Environmental Laboratory Accreditation Program
ESA	- Environmental Site Assessment
HASP	- Health and Safety Plan
HDPE	- High Density Polyethylene
mg/kg	- Milligrams Per Kilogram
MW	- Monitoring Well
ng/g	- Nanograms Per Gram
ng/L	- Nanograms Per Liter
NYS	- New York State
NYCRR	- New York Codes, Rules and Regulations
NYSDEC	- New York State Department of Environmental Conservation
OSHA	- Occupational Safety and Health Administration
PCBs	- Polychlorinated biphenyls
PFAS	- Per- and Polyfluoroalkyl Substances
PID	- Photoionization Detector
ppb	- Parts Per Billion
ppm	- Parts Per Million
ppt	- Parts Per Trillion
PFOA	- Perfluorooctanoic Acid
PFOS	- Perfluorooctanesulfonic Acid
PVC	- Polyvinyl Chloride
QA/QC	- Quality Assurance/Quality Control
RCRA	- Resource Conservation and Recovery Act
RPD	- Relative Percent Difference
RMS	- Robert M. Sutherland, P.C.

SB	- Soil Boring
SVOCs	- Semi-Volatile Organic Compounds
SGMP	- Soil and Groundwater Management Plan
SCOs	- Soil Cleanup Objectives
TAL	- Target Analyte List
TCL	- Target Compound List
TOGS	- Technical and Operational Series
USEPA	- United States Environmental Protection Agency
VOCs	- Volatile Organic Compounds

1.0 EXECUTIVE SUMMARY

This report summarizes the site characterization conducted, under the supervision of a New York State professional geologist with Cumberland Bay Geology, DPC, at Lots H and I as well as cumulative site-wide results (Stage 1, 2 and 3) collected at the former Clinton County Airport in Plattsburgh, New York (herein referred to as the Site). This site characterization is considered Stage 3 of the characterization work and focused on surface/subsurface soils and sediments on Lots H and I and site-wide groundwater. The scope of work performed was outlined in the Stage 3 Site Characterization Work Plan of Lots H and I, dated October 23, 2023; revised December 15, 2023 and approved by New York State Department of Environmental Conservation (NYSDEC) on January 8, 2024. A Site Location Map and Site Map depicting boring/monitoring well/sediment sample locations is included in Appendix A.

Specifically, this site characterization work (Stage 3) was performed to identify and document potential impacts in soils, sediment and groundwater pertaining to Per- and Polyfluoroalkyl Substances (PFAS), Target Compound List (TCL), Target Analyte List (TAL), and cyanide. TCL includes volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs) and pesticides and TAL includes metals. Based on the data and conclusions from the previous Stage 1 and 2 (S1 and S2) site characterization and the recently completed Stage 3 (S3) site characterization data, KAS presents the following site-wide conclusions. It should be noted that Stage 3 specific conclusions are included in Section 5.1 of this report.

1. The site characterization work (Stages 1, 2 and 3) in total included the advancement of eighty-four (84) soil borings and the collection of one hundred and two (102) soil samples for laboratory analysis, six (6) sediment samples for laboratory analysis and the installation of sixteen (16) monitoring wells with sampling of the monitoring wells for PFAS;
2. Soils in the eighty-four (84) soil borings and sediments in the six (6) sediment samples did not present any evidence of visual or olfactory contamination with photoionization detector (PID) readings at or below background levels;
3. Depth to groundwater in the sixteen (16) installed monitoring wells on the Site ranged from 3.90 to 10.25 feet below top of casing (btoc) with a flow direction to the southeast at a hydraulic gradient of 0.93%;
4. Laboratory results for site-wide soils and sediments did not identify PCBs, pesticides or cyanide in any samples. VOCs and SVOCs identified in soils and sediments consisted of low-level detections of various constituents (i.e., acetone, naphthalene, etc.) below applicable NYSDEC Soil Cleanup Objectives (SCOs) – unrestricted use standards and NYSDEC Freshwater Guidance Values (Class A) for sediment, respectively. Metals in soil and sediment were detected throughout the Site, but concentrations were below applicable NYSDEC SCOs – unrestricted use standards and NYSDEC Freshwater Guidance Values (Class A) for sediment, respectively;
5. PFAS was detected in numerous soil and sediment samples site-wide with concentrations of perfluorooctanoic acid (PFOA) and/or perfluorooctanesulfonic acid (PFOS) exceeding the NYSDEC guidance values at soil sample locations SB-3(S1), SB-8(S1), SB-16(S2), SB-14(S3), SB-18(S3) and one sediment sample (SS-4), which had PFOA and PFOS that exceeded the NYSDEC guidance values; and,
6. No concentrations of VOCs, SVOCs, PCBs, pesticides, cyanide or metals were detected in groundwater during Stage 2 sampling (MW-1 through MW-8). Stage 3 groundwater

monitoring of the sixteen (16) monitoring wells was conducted for PFAS, only. PFOA and/or PFOS concentrations in groundwater at nine (9) monitoring wells (MW-1, MW-4R, MW-5R, MW-6, MW-7, MW-8, MW-9, MW-10 and MW-12) exceeded the NYSDEC guidance values with monitoring well MW-7 appearing to be a discrete hotspot with the highest total PFAS concentration of 3,940 ng/L (ppt) identified during the Stage 2 Site Characterization project.

Overall, no evidence of pervasive TCL, TAL or cyanide impacts in soil, sediment or groundwater were identified at the Site. Isolated PFAS impacts were identified in the soil and sediment that are likely attributable to activities on and off-site. PFAS impacts in groundwater are also isolated with concentrations likely indicating possible low level off-site sources and an isolated on-site source proximate to monitoring well MW-7. While present, PFAS impacts in groundwater appear delineated and given that the area is on municipal sewer and water the potential for human exposure to these contaminants appears minimal.

Based on the findings, KAS presents the following recommendations:

- The Stage 1, 2, and 3 Site Characterization work has been completed in a satisfactory manner and has fulfilled the investigation portion of the Order on Consent. No further investigation is warranted;
- No additional action related to TCL, TAL or cyanide in soil, sediment or groundwater appears warranted;
- The Soil and Groundwater Management Plan (SGMP) for the site should be revised to reflect the most recent findings. The SGMP will serve as a guidance document for future developers/contractors working on the site and provide specifics on how to handle, treat and/or dispose of impacted soils, sediments and groundwater, if dewatering is necessary. The SGMP and restriction on the use of groundwater at the site should fulfill any required Interim Remedial Measures (IRMs) for the site;
- The Site is currently designated as a "P" (potential site) and should be removed from the NYSDEC registry as a classified site, based on the findings of the site characterization; and,
- A copy of this report must be provided to the NYSDEC.

2.0 REPORT PREPARATION/CERTIFICATION

KAS, Inc. (KAS) has performed the Stage 3 site characterization, under the supervision of New York State professional geologist, at Lots H and I as well as the site-wide conclusions drawn from Stage 1, 2 and 3 Site Characterization at the former Clinton County Airport in Plattsburgh, New York. This report, including project conclusions to date, has been prepared and reviewed by the following personnel. The project was performed by KAS under the supervision of a New York State licensed professional geologist with Cumberland Bay Geology, DPC.

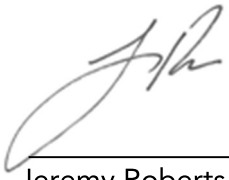
We certify under penalty of perjury that we are environmental professionals and that all content contained within this deliverable is to the best of our knowledge true and accurate.

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3.0 INTRODUCTION / BACKGROUND

3.1 Introduction

This report summarizes the site characterization activities (Stage 3) conducted at Lots H and I and site-wide conclusions and recommendations generated for the former Clinton County Airport in Plattsburgh, New York (herein referred to as the Site). A Site Location Map is included in Appendix A. The assessment was performed by KAS, Inc. (KAS), under the supervision of a New York State professional geologist with Cumberland Bay Geology, DPC (Cumberland Bay). KAS performed this assessment for Barton & Loguidice, D.P.C (B&L) on behalf of Clinton County. KAS under the supervision of Cumberland Bay completed the site characterization (Stage 3) for Lots H and I in accordance with the Site Characterization Work Plan dated October 23, 2023; revised December 15, 2023 and approved by New York State Department of Environmental Conservation (NYSDEC) on January 8, 2024.

3.2 General Background

The Site is located on a portion of the former Clinton County Airport in the Town of Plattsburgh. The groundwater flow direction beneath the Site is anticipated to be toward the Saranac River, which is located approximately 1,000-feet to the south. The Saranac River, located proximate to the Site (Lower, Main Stem – Segment ID 1003-0049[1]), is a Class C (fishing and non-contact activities) water body pursuant to 6 NYCRR Parts 700-705. The Site can be accessed from the north via a site road that connects to Industrial Boulevard.

As part of the overall site characterization work, KAS conducted a potable well survey in the vicinity of the subject property. No potable water wellheads were observed on or immediately adjoining the subject property during site characterization work. Additionally, KAS used the NYSDEC Water Well Information Search Wizard to identify any potable water wells in the area of the subject property. The results of the well search did not identify any potable water wells within one (1) mile of the subject property.

KAS previously completed a Phase I ESA (per ASTM E1527-13) for a portion of the Site (Lot D) in September 2021. The Site is currently a portion of a vacant airport. It appears that the former airport has been developed since at least 1944 and appeared to have been farmland prior to this use. The past use of the Site and surrounding areas as an airport is indicative of hazardous chemical storage and use which may include the use of firefighting foams containing Perfluorooctane sulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA), which are Per- and Polyfluoroalkyl Substances (PFAS). PFAS are a group of chemicals used to make fluoropolymer coatings and products that resist heat, oil, stains, grease, and water. Fluoropolymer coatings can be in a variety of products. These include clothing, furniture, adhesives, food packaging, heat-resistant non-stick cooking surfaces, and the insulation of electrical wire.[2] Additionally, PFAS are known to have been used in firefighting foam and various other products. It is unknown if a release has occurred due to the past use as an airport but it is important to note the known presence of PFOS and PFOA, which are emerging contaminants by the United States Environmental Protection Agency (USEPA) and NYSDEC. Under the current Phase I ESA ASTM standard, the potential past use of

[1] https://www.dec.ny.gov/data/WQP/PWL/1003-0049.html?req=19981
[2] https://www.cdc.gov/biomonitoring/PFAS_FactSheet.html

PFOS/PFOAs are not considered to represent a recognized environmental condition (REC). The current ASTM standard defines a hazardous substance as, "a substance defined as a hazardous substance pursuant to CERCLA 42 U.S.C.§9601(14), as interpreted by EPA regulations and the courts: (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended." At the time of the Phase I ESA, PFOS/PFOAs were not CERCLA or RCRA listed hazardous substances.

KAS considered the lack of data associated with PFOS and PFOAs at the Site to represent a data gap and that additional investigation would be necessary to determine if these compounds are present in the subsurface and groundwater interface.

3.3 Phase II ESA Investigation and Pre-Characterization Results

KAS completed a Phase II ESA on December 10, 2021 to address the data gap that was identified following the completion of the Phase I ESA (ASTM E1527-13) for Lot D on September 20, 2021. The findings of the Phase II ESA indicated that there were several low-level detections of PFAS in all five (5) groundwater samples collected as well as detections of PFOA and PFOS above the Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs and the draft addendum to Technical and Operational Series (TOGS) 1.1.1: Ambient Water Quality Standards and Guidance Values and Groundwater. It should be noted that the groundwater samples were collected from temporary monitoring wells that were not fully installed, developed or purged. It was noted that sediment load was elevated in the groundwater samples, which could bias results. While adequate to identify the presence of PFAS, it is standard practice that groundwater results from fully installed, developed and purged monitoring wells should be used for site characterization work.

In preparation for future redevelopment on Lot D, KAS conducted a pre-characterization investigation of saturated soils. KAS oversaw the advancement of twenty (20) test pits in December 2021 to a maximum of 4.0 to 8.0 feet below ground surface (bgs). The test pits were advanced in areas where saturated soils may be encountered during redevelopment activities based on a cut/fill grading plan provided by Architectural & Engineering Design Associates, P.C. (AEDA). The test pits were grouped into four (4) distinct areas with five (5) test pits per area. Soils from the five (5) test pits within an area were composited into one (1) sample for laboratory analysis. KAS collected four (4) soil samples, one (1) from each area, and one (1) duplicate sample. There were several detections of PFAS in the soil samples but none of the samples had exceedances of PFAS based on the Sampling, Analysis, and Assessment of PFAS Under New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs. This work was completed to characterize soils that may require disturbance by development, but the methodology and data is not considered consistent for site characterization work.

On February 24, 2022, Mr. Michael Zurlo, Clinton County Administrator, received a letter from the NYSDEC about a "Potential Hazardous Waste Disposal Site" for the following location:

Site Name: Former Clinton County Airport
Site Address: 11 Airport Road, Town of Plattsburgh, Clinton County, NY 12901

DEC Site No.: 510026
Tax Map Identifier: Section 220; Block 1; Lot 3; Sublot 1; Suffix 1

The letter stated, "If DEC determines that hazardous waste has been disposed of on the property and that the hazardous waste poses a significant threat to public health or the environment, the property will be listed on the Registry of Inactive Hazardous Waste Disposal Sites (Registry)." Subsequently, Clinton County retained B&L to consult on their behalf and to perform/manage any investigation/characterization required by the NYSDEC.

In a conference call with NYSDEC, Clinton County officials, AEDA, B&L, Jones Development (developer of Lot D) and KAS, it was indicated that a phased (staged) approach to the investigation (characterization) was acceptable with a focus on areas of the former airport that have planned redevelopment activities first with subsequent investigations (characterizations) to address the remaining areas of the property. Based on this guidance and the work already conducted by KAS on Lot D, B&L and Clinton County subcontracted KAS to complete activities associated with Lot D as well as Lots A and J, which will have infrastructure (roads and utilities). A Site Characterization Work Plan was prepared by KAS and submitted on March 21, 2022. NYSDEC provided comments in a letter dated March 29, 2022.

On April 4, 2022, NYSDEC representatives Mr. Brian Huyck and Ms. Kaleigh Zappia met with Mr. Mike Zurlo (Clinton County), Ms. Molly Ryan (Clinton County), Mr. Bryce Dingman (B&L), Mr. Ryan Weitz (B&L), Mr. Jim Abdallah (AEDA), Mr. Aaron Roth (KAS), and Mr. Anthony Harvey (KAS) to discuss the objectives of the work plan and the stages of the investigation (characterization) to be performed. A revised work plan in response to NYSDEC's comments and subsequent meeting was submitted on April 15, 2022 and was accepted by the NYSDEC on April 26, 2022. The findings of the Stage I Site Characterization are presented below.

3.4 Stage 1 Site Characterization Results

Under the supervision of Cumberland Bay Geology, KAS completed Stage 1 site characterization, the findings of which were submitted in a summary report dated May 27, 2022; revised June 17, 2022. The Stage 1 site characterization identified low level detections of various PFAS/PFOS constituents. PFOA and PFOS results were compared to the June 2021 Sampling, Analysis, and Assessment of PFAS and found to be below unrestricted soil guidance values except for a detection of PFOS (1.88 ng/g (ppb)) in soil boring SB-3 (0-2').

During Stage 1 Characterization efforts, completed between April 26 and 28, 2022, twenty-eight (28) soil borings were advanced to a maximum depth ranging from 4 to 12 feet bgs. The boring locations were approved in the Revised Site Characterization Work Plan by NYSDEC (see Appendix A – Boring Location Map). The soil borings were advanced using a track-mounted Geoprobe® rig with steel tooling and high-density polyethylene (HDPE) sleeves to prevent cross-contamination (commonly used low density polyethylene sleeves can contain PFAS). The steel tooling was decontaminated between borings using Alconox and distilled water. The KAS scientist overseeing the work and the drill rig operator used nitrile gloves and avoided clothing and other equipment that can cause cross-contamination in accordance with NYSDEC and KAS protocols. Soils within each boring were visually observed for any obvious signs of impacts and screened for the presence of volatile organic compounds (VOCs) using a properly calibrated photoionization detector (PID). Soils were logged in the field by the KAS scientist to indicate soil type, observations and PID readings. All excess soil cuttings were

placed back into the borehole in which they were collected. Soils consisted of sands, silts, gravel, and clay. Groundwater was encountered at depths ranging from approximately 2.5 to 6.0 feet bgs. Soil boring logs are included in Appendix D.

A soil sample was collected for laboratory analysis from each boring (28 total) at the soil/groundwater interface for analysis of PFAS. Eight (8) surface soil samples, from a depth of 0 – 2 feet bgs, were collected from select borings and analyzed for PFAS, Target Compound List (TCL), Target Analyte List (TAL), and cyanide and eleven (11) of the soil samples collected at the soil/groundwater interface were submitted and analyzed for TCL, TAL and cyanide. The TCL includes VOCs, semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and pesticides and the TAL includes metals.

The soil boring locations and the sampling analysis at each location are shown on the Boring Location Map in Appendix A. Each soil sample was transferred from the HDPE sleeves to laboratory-provided containers, placed on ice, and shipped with a properly completed chain of custody to Alpha Analytical, a NYS-accredited laboratory, for analysis. A tabulated summary table for the Stage 1 Characterization analytical testing data is included in Appendix B. Sixteen (16) of the thirty-seven (37) samples (36 and 1 DUPE) analyzed had low-level detections of PFAS. Based on the June 2021 *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs,* the sample results were compared to the current unrestricted guidance values for PFOA and PFOS of 0.66 ppb and 0.88 ppb, respectively. All the sample results were below the unrestricted guidance value for PFOA and PFOS with total PFAS detections ranging from 0.031 nanograms per gram (ng/g) or ppb to 5.25 ng/g (ppb) except for a detection of PFOS (1.88 ng/g (ppb)) in the SB-3 (0-2') sample location above the unrestricted use guidance value. This detection however was below residential and commercial standards. All of the remaining samples analyzed for TCL, TAL, and cyanide were below the NYSDEC Soil Cleanup Objectives – unrestricted use standards except for two samples, which had exceedances of acetone. The appearance of acetone is often a laboratory contaminant and based on historical use of the property, KAS does not consider the presence of acetone in the samples to be related to historical property use. The detection of acetone also had a qualifier note that it was an estimated value by the laboratory.

None of the samples that were analyzed for polychlorinated biphenyls (PCBs) or cyanide had detections above the laboratory reporting limits. Samples SB-2(S1), SB-3(S1); 0-2', and SB-6(S1); 0-2' had low-level detections of the pesticide Dichlorodiphenyldichloroethylene (4,4'-DDE) with the SB-6(S1); 0-2' sample also exhibiting a low-level detection of Dichlorodiphenyltrichloroethane (4,4'-DDT), all of which were below regulatory standards. Several metals including aluminum, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, selenium, sodium, thallium, vanadium, and zinc were detected in the samples, all of which were below the unrestricted use standard. SB-4 (S1) sample had a low-level detection of the VOC naphthalene which was below the unrestricted use standard. There were also low-level detections of SVOCs in soil samples collected from borings SB-3(S1); 0-2', SB-6 (S1); 0-2' and SB-21(S1), all of which were below the unrestricted use standards.

Following NYSDEC acceptance of the findings of the Stage 1 site characterization, KAS prepared a Work Plan for Stage 2 Site Characterization of Lots B, C, E, F and G dated July 29,

2022; revised September 19, 2022 and approved by NYSDEC on September 28, 2022. The findings of the Stage 2 Site Characterization are presented in the following subsection.

3.5 Stage 2 Site Characterization Results

As part of Stage 2 Characterization efforts, completed on January 3 and 4, 2023, eighteen (18) soil borings were advanced to depths ranging from 2.0 to 10.0 feet bgs. The boring locations and scope of work for the soil borings were approved in the Revised Stage 2 Site Characterization Work Plan by NYSDEC (see Appendix A – Site Map). The soil borings were advanced using a track-mounted Geoprobe® rig with steel tooling and high-density polyethylene (HDPE) sleeves to prevent cross-contamination. The steel tooling was decontaminated between borings using Alconox and distilled water. The KAS scientist overseeing the work and the drill rig operator used nitrile gloves and avoided clothing and other equipment that can cause cross-contamination for PFAS in accordance with NYSDEC and KAS protocols.

Soils within each boring were visually observed for any obvious signs of impacts and screened for the presence of volatile organic compounds (VOCs) using a properly calibrated PID. Soils were logged in the field by the KAS scientist to indicate soil type, observations and PID readings. All excess soil cuttings were placed back into the borehole in which they were collected. Soils consisted primarily of sand with lesser amounts of silts, gravel and clay. Saturated soils were encountered at depths ranging from approximately 2.0 to 6.0 feet bgs. Soil boring logs that include PID readings are included in Appendix D.

A soil sample was collected for laboratory analysis from each boring (18 total) at the soil/groundwater interface for analysis of PFAS. Five (5) surface soil samples, from a depth of 0 – 2 feet bgs, were collected from select borings and analyzed for PFAS, TCL, TAL, and cyanide and five (5) of the soil samples collected at the soil/groundwater interface were analyzed for TCL, TAL and cyanide. The soil boring locations and the sampling analysis at each location are shown on the Soil Boring/Monitoring Well Location Map in Appendix A. Each soil sample was transferred from the HDPE sleeve to laboratory-provided containers, placed on ice, and shipped with a properly completed chain of custody to Alpha Analytical, a NYS-accredited laboratory for analysis.

The Stage 2 Site Characterization Data Summary Table is included in Appendix B. Results of the specific soil sample analytical testing data are detailed below.

PFAS

Eleven (11) of the twenty-four (24) samples analyzed had low-level detections of PFAS. Based on the April 2023 *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs,* the sample results were compared to the current unrestricted guidance values for PFOA and PFOS of 0.66 ppb and 0.88 ppb, respectively. Twenty-three (23) of the 24 soil samples were below the unrestricted guidance value for PFOA and PFOS. The only exceedance was documented at sampling location SB-16(S2), with a reported PFOS concentration of 1.77 nanograms per gram (ng/g – parts per billion (ppb)).

PCBs, Pesticides and Cyanide

None of the soil samples that were analyzed for PCBs, pesticides or cyanide had detections above the laboratory detection limits.

VOCs and SVOCs

Multiple soil samples had low-level detections of the VOCs acetone and methyl acetate, which are likely laboratory contaminants and the detections were below NYSDEC SCO – unrestricted use standards. Additionally, the soil/groundwater interface sample collected from SB-14(S2) had a low-level detection of the SVOC 2-methylnaphthalene, which was below the NYSDEC SCO - unrestricted use standard.

Metals

Several metals including aluminum, antimony, arsenic, barium, beryllium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, sodium, vanadium, and zinc were detected in the soil samples, but the detections were all below NYSDEC SCO – unrestricted use standards.

During the Stage 2 Characterization effort, eight (8) 1-inch diameter groundwater monitoring wells (MW-1 through MW-8) were advanced at the Site by KAS using a track mounted Geoprobe® to depths of approximately 4.0 to 10.0 feet bgs (Appendix A – Site Map). The wells are constructed of slotted PVC to approximately 2.0 feet above the water level and completed with solid PVC to the ground surface. The monitoring wells are surface completed with either a steel traffic rated road box or 5-foot steel well casing and concrete. The soil borings/monitoring wells were advanced to the soil/groundwater interface. The soil/groundwater interface was encountered at approximately 2.0 to 6.0 feet bgs. Flowing sands encountered in the borings made the installation of monitoring wells difficult; however, seven (7) of the eight (8) wells were able to be developed, purged and sampled. Monitoring well MW-3, although moisture indicative of the soil/groundwater interface was encountered at a depth of 2.5 feet bgs, monitoring well was found to be dry during subsequent well development and purging. Monitoring well MW-5, exhibited slow and minimal recharge and was only able to be sampled for PFAS. Depth to groundwater measurements were collected prior to purging and sampling and have been included in a summary table in Appendix B.

Groundwater sampling was completed using a low flow peristaltic pump and parameters were collected for temperature, pH, conductivity and dissolved oxygen during the sampling. KAS followed EPA low flow sampling protocol and KAS' low flow groundwater purging and sampling protocol. A turbidity meter was not available at the time of the sampling but groundwater was collected using a low flow peristaltic pump and turbidity appeared low with minimal sediment load. In general, the temperature and pH were the most consistent between wells with the temperature ranging from 32.2°F to 42.8°F and the pH ranging from 6.84 to 7.79. The conductivity ranged from 2.6 µmhos/cm to 517.6 µmhos/cm and the dissolved oxygen ranged from 31% to 106.6%.

Following sampling of the monitoring wells, an elevation survey was conducted by Robert M. Sutherland, P.C. (RMS) of Plattsburgh, New York. Depth to water measurements and survey data were utilized to produce a groundwater contour map included in Appendix A. In general, the depth to groundwater ranged from 1.80 to 9.95 feet below top of casing (btoc) and groundwater appears to flow to the southeast at a hydraulic gradient of 10.5%. It should be noted that these are stickup monitoring wells; and as such, groundwater when compared to surface elevation is 1-2 feet higher.

Results of the specific groundwater sample analytical testing data are detailed in the following subsection.

PFAS

Analysis of the groundwater samples collected from the seven (7) groundwater monitoring wells revealed low-level detections of PFAS. Groundwater sample results were compared to the Technical and Operational Guidance Series (TOGS) – guidance values for PFOA and PFOS of 6.7 ppt and 2.7 ppt, respectively. Groundwater samples collected from monitoring wells MW-2 and MW-6 were above laboratory detection limits but below the TOGS – guidance values. Groundwater samples collected from monitoring wells MW-1, MW-4, MW-5 and MW-7 had multiple detections of PFAS constituents above laboratory detection limits with PFOA and PFOS above the TOGS – guidance values. The groundwater sample collected from monitoring well MW-8 had multiple detections above laboratory detection limits with PFOS above the TOGS – guidance value.

In general, only low-level PFAS detections in groundwater were noted from the established monitoring well network with the exception of monitoring well MW-7, which displayed a detection of PFOS at a concentration of 3,480 ng/L. Monitoring well location MW-6 displayed the lowest total PFAS level at a reported concentration of 8.591 ng/L. A groundwater concentration map for total PFAS is included in Appendix A. Given the elevated PFOS concentration observed at monitoring well MW-7; KAS re-developed and collected a second groundwater quality sample from MW-7 on March 15, 2023 in a manner consistent with procedures previously listed. The results were found to be consistent with the January 11, 2023 sampling of MW-7 with a PFOS concentration of 3,270 ng/L.

PCBs

None of the groundwater samples analyzed for PCBs or cyanide had detections above the laboratory detection limits.

Pesticides

The majority of groundwater samples were non-detectable for pesticides with the exception of the groundwater samples collected from monitoring wells MW-4 and MW-7, which had low level detections of 4,4'-DDT (Dichlorodiphenyltrichloroethane) above laboratory detection limit but below the TOGS standard. The groundwater sample collected from monitoring well MW-1 had a detection of trans-Chlordane above laboratory detection limit but below the TOGS standard.

Metals

Several metals including aluminum, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, selenium, sodium, vanadium, and zinc were detected in the groundwater samples. However, all of the detections were below the TOGS standard.

VOCs

Groundwater samples collected from monitoring wells MW-1, MW-4 and MW-6 had low-level detection of the VOC acetone above laboratory detection limits but below TOGS standard. Acetone is a common laboratory contaminant and it is likely that the low level detections were caused by cleaning and disinfecting laboratory equipment.

SVOCs
Groundwater samples collected from monitoring wells MW-1, MW-2, MW-5 and MW-8 had no detections of SVOCs above laboratory detection limits. Groundwater samples collected from monitoring wells MW-4, MW-6 and MW-7 had low level detections of SVOCs above laboratory detection limits but below TOGS standards.

Following NYSDEC acceptance of the findings of the Stage 2 site characterization, KAS prepared a Work Plan for Stage 3 Site Characterization of Lots H and I, dated October 23, 2023; revised December 15, 2023 and approved by NYSDEC on January 8, 2024. The findings of the Stage 3 Site Characterization are presented in Sections 4.0 and 5.0.

4.0 STAGE 3 SITE CHARACTERIZATION

4.1 Pre-Sampling Activities

Prior to the initiation of Stage 3 work at the Site, KAS prepared a health and safety plan (HASP) and a Community Air Monitoring Plan (CAMP) in accordance with OSHA, New York State Department of Health and the approved Work Plan requirements. The HASP and CAMP were present on site with field personnel during the course of the characterization work. UDig New York (formerly Dig Safely New York) was contacted a minimum of 72 hours prior to commencement of work to mark out local existing underground utilities. A PID was present at the point of soil boring advancements during all field activities.

4.2 Soil Boring Advancement and Sampling

During the period of February 5 through February 8, 2024, thirty-eight (38) soil borings were advanced to depths ranging from 2.0 to 10.0 feet bgs. The soil borings were advanced using a track-mounted Geoprobe® rig with steel tooling and high-density polyethylene (HDPE) sleeves to prevent cross-contamination, as commonly used low density polyethylene sleeves can contain PFAS. The steel tooling was decontaminated between borings using Alconox and distilled water. The KAS scientist overseeing the work and the drill rig operator used nitrile gloves and avoided clothing and other equipment that can cause cross-contamination for PFAS in accordance with NYSDEC and KAS protocols.

Soils within each boring were visually observed for any obvious signs of impacts and screened for the presence of VOCs using a properly calibrated PID. Soils were logged in the field by the KAS scientist to indicate soil type, odors, staining and PID readings. All excess soil cuttings were placed back into the borehole in which they were collected. Soils consisted primarily of sand with lesser amounts of silts, gravel and clay. Saturated soils were encountered at depths ranging from approximately 2.0 to 6.0 feet bgs. Soil boring logs that include PID readings are included in Appendix D. During the completion of all soil borings, field measurements, including PID field screening, visual observations and olfactory monitoring, did not identify any obvious evidence of surface soil, subsurface soil or groundwater impacts.

Five (5) surface soil samples (0-2 feet bgs) and thirty-eight (38) subsurface soil samples from the soil/groundwater interface were collected from the soil borings. The soil samples collected were analyzed for PFAS and five (5) of the soil samples for laboratory analysis of TCL, TAL and cyanide. The soil boring locations are shown on the Soil Boring/Monitoring Well/Sediment

Sample Location Map in Appendix A. Each soil sample was transferred from the HDPE sleeves to laboratory-provided containers, placed on ice, and transported with a properly completed chain of custody to Pace Analytical (formerly Alpha Analytical, which is now owned by Pace Analytical), a NYS-accredited laboratory for analysis.

4.3 Soil Sample Laboratory Analysis

A summary table is included in Appendix B and the laboratory analytical report is included in Appendix C. Results of the specific analytical testing is detailed below.

PFAS
Of the forty-three (43) soil samples collected and analyzed for PFAS, eighteen (18) of the soil samples were non-detect for PFAS. The other twenty-five (25) soil samples exhibited low-level concentrations of various PFAS. Of the twenty-five (25) soil samples that had detections of PFAS only two (2) soil samples (SB-14(S3) and SB-18(S3)) exhibited PFOS concentrations that exceeded the NYSDEC PFOS guidance value of 0.88 nanograms per gram (ng/g) or parts per billion (ppb). Concentrations of PFOS in SB-14(S3) was 56.5 ng/g (ppb) and SB-18(S3) was 19.7 ng/g (ppb). No soil samples exhibited PFOA concentrations that exceeded the NYSDEC PFOA guidance value of 0.66 ppb.

PCBs, Pesticides and Cyanide
None of the soil samples analyzed for PCBs, pesticides or cyanide had detections above the laboratory detection limits.

VOCs and SVOCs
Of the five (5) soil samples tested for VOCs, four (4) of the samples were non-detect. The one (1) soil sample that exhibited a detection of VOCs was SB-24(S3) that had a low-level detection of Acetone (0.0079 milligrams per kilogram (mg/kg – ppm)), which is below the NYSDEC SCO – unrestricted use standard and may be attributable to a laboratory artifact.

Similarly, of the five (5) soil samples tested for SVOCs, four (4) of the samples were non-detect. The one (1) sample that exhibited a detection of SVOCs was SB-24(S3) that had a low-level detection of Naphthalene (0.052 mg/kg), which is below the NYSDEC SCO – unrestricted use standard.

Metals
Of the five (5) soil samples collected, no detections of the various metals exceeded the respective NYSDEC SCO – unrestricted use standards.

4.4 Monitoring Well Installation and Sampling

As part of Stage 3 activities, eight (8) of the thirty-eight (38) soil borings were completed as groundwater monitoring wells (MW-9 through MW-16). In addition, replacement monitoring wells were completed for monitoring well MW-3 (MW-3R, as planned) and monitoring wells MW-4 and MW-5 (MW-4R and MW-5R, respectively), which had minimal water volume when sampled for Stage 2. Soil cuttings were placed with previously stockpiled PFAS impacted soils encountered during infrastructure development conducted in 2023 as approved in the Work Plan. The monitoring wells were advanced at the Site by KAS using a track mounted

Geoprobe® to depths of approximately 4.0 to 12.0 feet bgs (Appendix A – Site Map) and were constructed of slotted PVC to approximately 2.0 feet above saturated soils with solid PVC extending above ground and protected by a steel traffic rated road box or 5-foot steel well casing and concrete. Existing wells MW-4 and MW-5 were replaced with nearly identical well installations, immediately adjacent to the existing wells (2-4 feet away) and only slightly deeper, to ensure adequate groundwater for monitoring. As MW-4R and MW-5R were strictly replacement wells in close proximity, no boring/monitoring well logs were generated for these well replacements. Monitoring well diagrams are included with soil borings in Appendix D.

New monitoring wells including replacement wells, upon completion were developed using dedicated bailers by purging the wells dry or removing ten (10) well volumes. Once developed, monitoring wells were allowed to recharge for a minimum of three (3) days prior to sampling. Sampling of monitoring wells was conducted between February 15 and 17, 2024.

Depth to groundwater was measured for each monitoring well prior to purging/sampling. Sampling was completed using a low flow peristaltic pump in general accordance with EPA and KAS low flow sampling protocols as well as the NYSDEC approved Work Plan. As required by the approved Work Plan, three (3) well volumes were purged prior to sampling. Once purged, parameters were collected for temperature, pH, turbidity and dissolved oxygen. No sheens or odors were noted in the groundwater at the time of sampling. In general, well parameters were consistent with the Stage 2 sampling with low turbidity. A temperature anomaly of 1.3°C was encountered at monitoring well MW-7, which was likely attributable to an equipment error. Upon collection of parameters, groundwater samples were collected in laboratory-provided sample containers, placed on ice and transported to Pace Analytical for analysis of PFAS.

Following sampling of the monitoring wells, a top of casing elevation survey was conducted by a NYS Licensed Land Surveyor from Robert M. Sutherland, P.C. (RMS) of Plattsburgh, New York. Depth to groundwater measurements and survey data were utilized to produce a groundwater contour map included in Appendix A. In general, the depth to groundwater ranged from 3.90 feet (MW-10) below top of casing (btoc) to 10.25 feet btoc (MW-11) and, consistent with the results of the Stage 2 Site Characterization, the general flow of local groundwater was to the southeast toward the Saranac River at a hydraulic gradient of approximately 0.93%. The general flow was consistent with Stage 2 findings, but the hydraulic gradient is lower for site-wide conditions than identified in Stage 2. It should be noted that these are stickup monitoring wells; and as such, the depth to groundwater when compared to surface elevation is 1-2 feet higher. Depth to groundwater measurements and groundwater elevations are included in the Groundwater Summary Table in Appendix B.

4.5 Groundwater Sample Laboratory Analysis

The Stage 3 groundwater sample data summary table is included in Appendix B and the laboratory analytical report is included in Appendix C. PFAS results are detailed below. As previously noted, as part of the Stage 3 Site Characterization work, wells MW-3, MW-4 and MW-5 were replaced and named as wells MW-3R, MW-4R and MW-5R, respectively. Accordingly, the respective Stage 3 samples collected/tested, including the corresponding Chain-of-Custody sheets, represent samples collected from wells MW-4R and MW-5R.

PFAS

Groundwater in one (1) well (MW-11) was non-detect for PFAS compounds. The other fifteen (15) monitoring wells had detections of PFAS. Groundwater in monitoring wells MW-2 and MW-3R exhibited only low-level concentrations of one specific PFAS each and no detections of PFOA or PFOS. Groundwater in monitoring wells MW-13, MW-14, MW-15 and MW-16 exhibited low-level concentrations of various PFAS compounds, but detections of PFOA and PFOS were below the NYSDEC guidance values of 6.7 and 2.7 ppt, respectively. Groundwater in monitoring wells MW-1, MW-4R, MW-5R, MW-6, MW-7, MW-8, MW-9, MW-10 and MW-12 exhibited detections of PFAS including concentrations of PFOA and/or PFOS that exceeded the NYSDEC guidance values. Because the PFAS results for the well MW-1 Dup (duplicate) groundwater sample were more elevated that the PFAS results for the well MW-1 parent groundwater sample, the PFAS results for well MW-1 Dup were included in the Groundwater Summary Table (in Appendix B) as worst-case data for overall comparison purposes. A groundwater concentration map for total PFAS is included in Appendix A. For future groundwater monitoring events, the previous and new PFAS concentrations identified for the well groundwater samples will be graphed with corresponding well groundwater elevations to identify any possible related correlations.

4.6 Sediment Sampling

The Stage 3 Site Characterization included sediment sampling of six (6) locations on the southern part of the former County Airport site. Sediment samples were collected on February 14, 2024 from 0 to 2 feet bgs in accordance with DER-10 Section 3.8 and the *NYSDEC's Publication, Screening and Assessment of Contaminated Sediment*. Sediment samples were collected in laboratory-provided containers. Once collected, samples were placed on ice and transported along with a properly completed chain of custody to Pace Analytical. The six (6) soil samples were analyzed for PFAS with one (1) sediment sample (SS-2) also being analyzed for TCL, TAL and cyanide.

4.7 Sediment Sample Laboratory Analysis

The sediment sample data summary table is included in Appendix B and the laboratory analytical report is included in Appendix C. Results of the specific analytical testing is detailed below.

PFAS

The six (6) sediment samples had detections of various PFAS. The only exceedance of the NYSDEC guidance value for PFOA and PFOS was documented from sediment sample location SS-4. SS-4 had PFOA (0.768 ng/g ((ppb)) and PFOS (3.74 ng/g (ppb)) that exceeded the NYSDEC SCO – unrestricted use guidance values of 0.66 ppb and 0.88 ppb, respectively.

PCBs, Pesticides, SVOCs, and Cyanide

The SS-2 sediment sample did not have detections of PCBs, Pesticides, SVOCs or cyanide above the respective laboratory detection limits.

Metals

The SS-2 sediment sample had several metals including aluminum, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, sodium, vanadium, and zinc detected. The concentrations of the various metals were below the *Freshwater Sediment Guidance Value*, listed in the "*Screening and Assessment of Contaminated Sediment, NYSDEC Table 5 – Freshwater Sediment Guidance Values (Class A).*"

VOCs

Acetone and p-Isopropyltoluene were detected in the SS-2 sediment sample at 0.030 milligrams/kilogram (mg/kg) (ppm) and 0.0092 mg/kg (ppm), respectively. As previously mentioned, Acetone is a common laboratory artifact and may have been associated with laboratory cross-contamination. For general comparison, the above listed parameter concentrations are below the NYSDEC SCO-unrestricted use for acetone (0.050 mg/kg - ppm) and the NYSDEC Supplemental SCO–Protection of Groundwater for p-Isopropyltoluene (10 mg/kg – ppm).

4.8 Quality Assurance / Quality Control

Applicable quality assurance/quality control (QA/QC) procedures for this project included the collection of field duplicates, equipment blank, matrix spike and matrix spike duplicate samples. Initially, the field duplicate sample was planned for soil sample (SB-33(S3)), but was changed to sediment sample SS-2 due to limited recovery and inadequate soil to collect a duplicate sample. The field duplicate sediment samples were collected for PFAS, TCL, TAL and cyanide. An additional field duplicate soil sample was collected from soil sample SB-14(S3) for PFAS, only. Similarly, a duplicate groundwater sample was collected from groundwater monitoring well MW-1 for laboratory analysis of PFAS, only. One (1) additional equipment blank water sample was collected from Geoprobe® equipment for laboratory analysis of PFAS. Samples collected were placed on ice and shipped with a properly completed chain of custody to Pace Analytical, a New York State ELAP-approved laboratory.

A duplicate soil sample was collected from the soil/groundwater interface at soil boring SB-14(S3) for PFAS, only. The laboratory results from the duplicate sample (SB-14D(S3)) were compared to the parent sample (SB-14(S3)) to assess the quality of the laboratory data. Although some differences in the parent and duplicate soil boring samples were identified for the PFAS related compounds, in general, the concentrations varied by 19 to 79 relative percent difference (RPD), including a number of non-detectable concentrations as compared to trace concentrations detected. The duplicate sediment sample (SS-2(S3) and SS-2D(S3)) exhibited non-detectable concentrations for PCBs, pesticides, cyanide, while the majority of the TAL Metal concentrations identified for the parent and duplicate sediment samples were found to vary from 1 to 35 RPD. The parent (SS-2(S3)) and duplicate (SS-2D(S3)) sediment samples exhibited variation of a few VOCs and one SVOC (phenol). It is possible that the subject variation is attributed to inherent sample material differences and is not laboratory related. It is estimated that such parent and duplicate sample test result variations do not significantly impact the overall usability of the sediment or soil sample data.

An equipment blank was collected to assess KAS' decontamination process and whether cross-contamination between soil borings/soil samples may have occurred. The only PFAS compound detected in the equipment blank sample was PFOS at 0.747 ng/L (ppt). The presence of low level PFAS in the equipment blank indicates the potential for slight cross-

contamination, which would bias soil sample results only slightly higher. As such, although the potential for slight cross-contamination exists in the PFAS sample test data, it is likely that such impact would be slight (trace), and thus, the overall usability of the PFAS data should not be impacted.

A duplicate groundwater sample was also collected from monitoring well MW-1 for PFAS, only. Comparison of the laboratory results for the duplicate sample (MW-1 Dup) and the parent sample (MW-1) to assess the quality of the laboratory data showed significant variation, including a 154 RPD for total reported PFAS as well as a 182 RPD for PFOA. The discrepancy between the parent and duplicate sample may be attributable to a number of reasons. According to a February 2021 article from the Association of Drinking Water Administrator (ASDWA) *Per- and Polyflouroalkyl Substance (PFAS) Laboratory testing Primer for State Drinking Water Programs and Public Water Systems, Topic 5: Technical Issues that Cause Variability in Testing Results – Expected Accuracy of Testing Results and Common Biases*[3], *"… the expected accuracy of Method 537 series or isotope dilution PFAS analyses is +/-50%"* and *"Existing PFAS analytical methods use an extraction process to isolate the PFAS in a drinking water sample so it can be measured by the instrument. Extraction methods are designed to minimize losses, but generally are not able to completely extract all PFAS present in a water sample."* Additionally, there is anticipated variation in samples based on inherent sample difference (sample heterogeneity). The significant difference in the duplicate sample does indicate the potential for groundwater data for PFAS to be biased high or low and should be considered in evaluating the data. However, as monitoring wells MW-1 and MW-8 were sampled previously as part of the Stage 2 investigation, a comparison of data between Stage 3 groundwater results and Stage 2 groundwater results indicates a strong correlation of data providing a relatively high level of confidence of the accuracy of overall groundwater data. A QA/QC data summary table is included in Appendix B.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Stage 3 Site Characterization Conclusions

5.1.1 Soil Conclusions

Based on field observations, measurements and soil sample results from thirty-eight (38) soil borings installed on and around Lots H and I, KAS presents the following conclusions:

1. No visual or olfactory evidence of soil impacts or elevated PID readings were encountered during the installation of the soil borings;
2. The five (5) soil samples submitted and analyzed for PCBs, pesticides and cyanide were non-detect;
3. The five (5) soil samples submitted and analyzed for TAL Metals had numerous detections of metals, but all detections were below NYSDEC SCO – unrestricted use standards;
4. Of the five (5) soil samples submitted and analyzed for VOCs, only one of the soil samples contained detectable VOCs (SB-24(S3) - 0.079 mg/kg), at a concentration below the NYSDEC SCO – unrestricted use standard. This detection may be attributable to a laboratory artifact/cross-contamination;

[3] https://www.asdwa.org/pfas

5. Of the four (4) soil samples submitted and analyzed for SVOCs, only one soil sample (SB-24(S3)) had a low-level detection of naphthalene (0.052 mg/kg), which is below the NYSDEC SCO – unrestricted use standard; and,
6. Of the forty-three (43) soil samples submitted and analyzed for PFAS, eighteen (18) of the samples were non-detect, twenty-five (25) of the samples had low level detections below NYSDEC SCO – unrestricted use guidance values and only two (2) of the soil samples ((SB-14(S3) and SB-18(S3)) had detections of a PFAS above the NYSDEC guidance values. Specifically, SB-14(S3) and SB-18(S3) had detections of PFOS at 56.5 ng/g (ppb) and 19.7 ng/g (ppb) above the NYSDEC – unrestricted use guidance value for PFOS of 0.88 ppb.

5.1.2 Sediment Conclusions

Based on field observations, measurements and sediment sample results from six (6) sediment samples on and around Lots H and I, KAS presents the following conclusions:

1. No visual or olfactory evidence of sediment impacts or elevated PID readings were encountered during sediment sampling;
2. The one (1) sediment sample submitted and analyzed for SVOCs, PCBs, pesticides and cyanide was non-detect for all compounds;
3. The one (1) sediment sample submitted and analyzed for VOCs had detections of Acetone (30 mg/kg) and p-Isopropyltoluene (9.2 mg/kg), which does not appear to have a NYSDEC freshwater sediment standard. As previously stated, the Acetone detection may be attributable to a laboratory artifact/cross-contamination; and,
4. The six (6) sediment samples submitted and analyzed for PFAS had low level detections of various PFAS below the NYSDEC guidance values with the exception of sediment sample SS-4. Sediment sample SS-4 exhibited PFOA and PFOS concentrations of 0.768 ng/g (ppb) and 3.74 ng/g (ppb), respectively that exceeded the NYSDEC SCO – unrestricted use guidance values for PFOA and PFOS of 0.66 ppb and 0.88 ppb. Based on the location of SS-4 near the eastern extent of Lot I, closest to residential development along Military Turnpike, and lack of significant PFAS impacts to the east, proximate to the former Clinton County Airport operations/runways, it is suspected that the source of impacts is associated with the residential development to the east.

5.1.3 Groundwater Conclusions

Based on field measurements and monitoring and analysis of groundwater from sixteen (16) monitoring wells, KAS presents the following conclusions. It should be noted that the groundwater conclusions are not limited to Lot H and I, but are site-wide given the distribution of monitoring wells.

1. No sheens or odors were noted in the groundwater at the time of sampling;
2. The groundwater was measured to flow generally to the southeast toward the Saranac River at a hydraulic gradient of approximately 0.93%;
3. Field parameters collected during low flow sampling were generally consistent and indicated relatively low turbidity at the time of sample collection, which is important for low-flow sampling; and,
4. Of the sixteen (16) groundwater monitoring well samples (MW-1 through MW-16) collected and analyzed, one (1) groundwater sample (MW-11) was non-detect for PFAS. Six (6) groundwater samples (MW-2, MW-3R, MW-13, MW-14, MW-15 and MW-

16) had detections of PFAS, but any PFOA and PFOS detections were below the NYSDEC guidance values of 6.7 and 2.7, respectively. The remaining nine (9) groundwater samples (MW-1, MW-4R, MW-5R, MW-6, MW-7, MW-8, MW-9, MW-10 and MW-12) had concentrations of either PFOA and/or PFOS that exceeded the NYSDEC guidance values.

5.2 Site-Wide Conclusions

Based on the data collected for Stage 1, 2 and 3 Site Characterization work of the former Clinton County Airport, which included the advancement of eighty-four (84) soil borings, the collection of one hundred and two (102) total soil samples, six (6) sediment samples and installation and monitoring of sixteen (16) monitoring wells, KAS presents the following site-wide conclusions:

1. Soils in the eighty-four (84) soil borings and sediments in the six (6) sediment samples did not present any evidence of visual or olfactory contamination with PID readings at or below background levels;
2. Depth to groundwater in the sixteen (16) installed monitoring wells on the Site ranged from 3.90 to 10.25 feet btoc with a flow direction to the southeast at a hydraulic gradient of 0.93%;
3. Laboratory results for site-wide soils and sediments did not identify PCBs, pesticides or cyanide in any samples. VOCs and SVOCs identified in soils and sediments consisted of low-level detections of various constituents (i.e., acetone, naphthalene, etc.) below applicable NYSDEC Soil Cleanup Objectives (SCOs) – unrestricted use standards and NYSDEC Freshwater Guidance Values (Class A) for sediment, respectively. Metals in soil and sediment were detected throughout the Site, but concentrations were below applicable NYSDEC SCOs – unrestricted use standards and NYSDEC Freshwater Guidance Values (Class A) for sediment, respectively;
4. PFAS was detected in numerous soil and sediment samples site-wide with concentrations of PFOA and/or PFOS exceeding the NYSDEC guidance values at soil sample locations SB-3 (S1), SB-8 (S1), SB-16 (S2), SB-14 (S3) and SB-18 (S3) and one sediment location (SS-4), which had PFOA and PFOS that exceeded the NYSDEC guidance values. The locations of soil and sediment sample PFAS concentrations that respective exceeded NYSDEC guidance values are depicted in Appendix A; and,
5. No concentrations of VOCs, SVOCs, PCBs, pesticides, cyanide or metals were detected in groundwater during Stage 2 groundwater sampling. Stage 3 groundwater monitoring of the sixteen (16) monitoring wells was conducted for PFAS, only. PFOA and PFOS concentrations in groundwater at monitoring wells MW-1, MW-4R, MW-5R, MW-6, MW-7, MW-8, MW-9, MW-10 and MW-12 exceeded the NYSDEC guidance values with the highest concentration at MW-7 of 2,570 ng/L (ppt). Monitoring well MW-7 appears to be a discrete hotspot with the highest total PFAS concentration of 3,940 ng/L (ppt) identified during the Stage 2 Site Characterization project.

Overall, no evidence of pervasive TCL, TAL or cyanide impacts in soil, sediment or groundwater were identified at the Site. Isolated PFAS impacts were identified in the soil and sediment that are likely attributable to activities on and off-site. PFAS impacts in groundwater are also isolated with concentrations likely indicating possible low level off-site sources and an isolated on-site source proximate to monitoring well MW-7. While

present, PFAS impacts in groundwater appear delineated and given that the local area is served by municipal sewer and water, the potential for human exposure appears minimal.

5.3 Site-Wide Recommendations

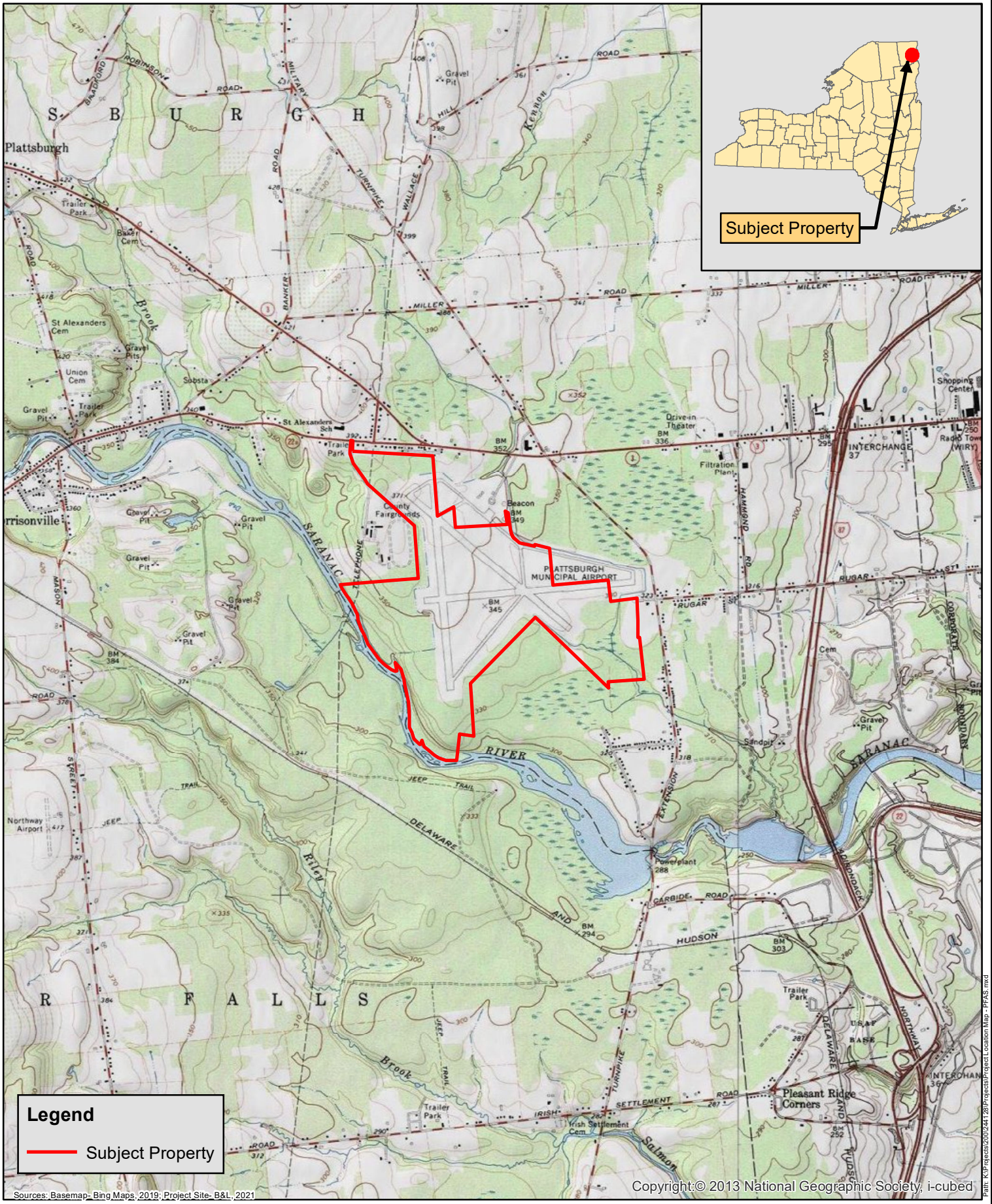
Based on the findings, KAS presents the following site-wide recommendations:

- The Stage 1, 2, and 3 Site Characterization work has been completed in a satisfactory manner and has fulfilled the investigation portion of the Order on Consent. It is recognized, however, that some limited/ focused supplemental investigation is required to delineate PFAS impacts in the area of soil boring SB-14(S3) and monitoring well MW-7, respectively;
- No additional action related to TCL, TAL or cyanide in soil, sediment or groundwater appears warranted;
- The Soil and Groundwater Management Plan (SGMP) for the site should be revised to reflect the most recent findings. The SGMP will serve as a guidance document for future developers/contractors working on the site and provide specifics on how to handle, treat and/or dispose of impacted soils, sediments and groundwater, if dewatering is necessary. The SGMP and restriction on the use of groundwater at the site should fulfill any required Interim Remedial Measures (IRMs) for the site;
- The Site is currently classified as a "P" (potential hazardous waste site) by the NYSDEC. The Site Characterization work has proven that the Site should no longer be a "P," but petitioning a reclassification will wait under the additional delineation activities are conducted proximately toe MW-7 and SB-14(S3); and,
- A copy of this report must be provided to the NYSDEC.

APPENDIX A

SITE CHARACTERIZATION MAPS

1) Site Location Map
2) Site Map
3) Soil and Sediment Sample PFAS Concentration Exceedance Map
4) Groundwater Contour Map
5) Groundwater: Total PFAS Concentration Map
6) Groundwater PFOA Concentration Map
7) Groundwater PFOS Concentration Map



Barton & Loguidice

N W E S

0 2,000 4,000 6,000 8,000 Feet

Clinton County

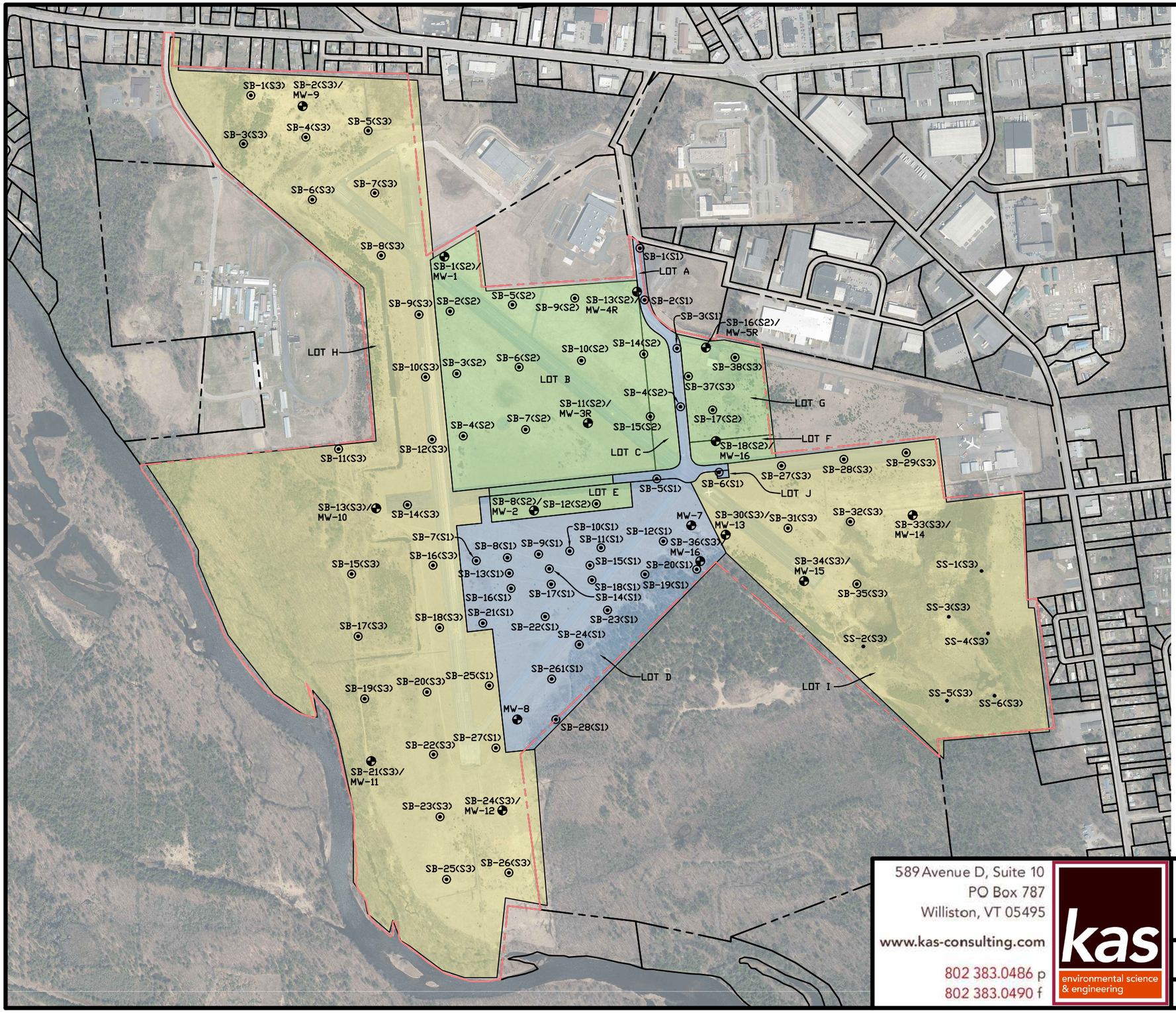
Site Location Map

Clinton County June 2023 New York

Drawing 0

Project No. 244.128

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LEGEND

MW-2	MONITORING WELL
SB-1	SOIL BORING
SS-1	SHALLOW SOIL SAMPLE
(S#)	STAGE 1, 2 OR 3 PROJECT EFFORT
	PROPERTY LINE
	SUBJECT PROPERTY LINE
	STAGE 1 INVESTIGATION AREA (~65 ACRES)
	STAGE 2 INVESTIGATION AREA (~89 ACRES)
	STAGE 3 INVESTIGATION AREA (~332 ACRES)

GRAPHIC SCALE

800' 0 400' 800' 1600'

1 INCH = 800FEET

NOTES:
1. BASE MAP DEVELOPED FROM NYS ORTHOIMAGERY AND PARCEL MAPS, FIELD OBSERVATIONS.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.

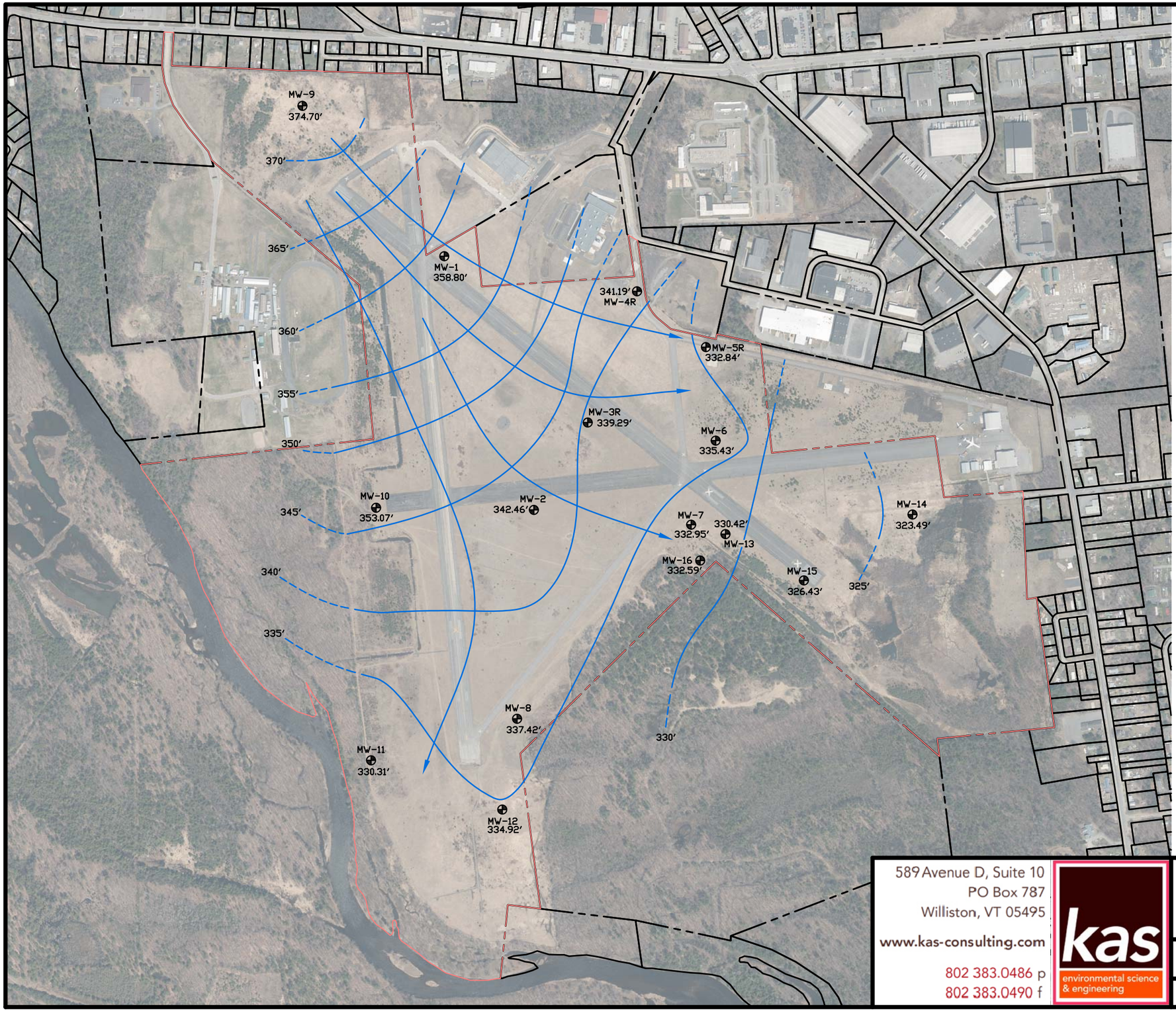
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FORMER CLINTON COUNTY AIRPORT
PLATTSBURGH, NEW YORK

SITE MAP

DATE: 10/8/24	DWG. #: 2	SCALE: 1"=30'	DRN.: TMB	APP.: AJR



LEGEND

MW-9 ⊕ 374.70'	MONITORING WELL WITH GROUNDWATER ELEVATION (ft)
325'	GROUNDWATER ELEVATION CONTOUR (ft; DASHED WHERE INFERRED)
	APPROXIMATE GROUNDWATER FLOW DIRECTION
	PROPERTY LINE
	SUBJECT PROPERTY LINE

GRAPHIC SCALE

800' 0 400' 800' 1600'

1 INCH = 800FEET

NOTES:
1. BASE MAP DEVELOPED FROM NYS ORTHOIMAGERY AND PARCEL MAPS, FIELD OBSERVATIONS.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.

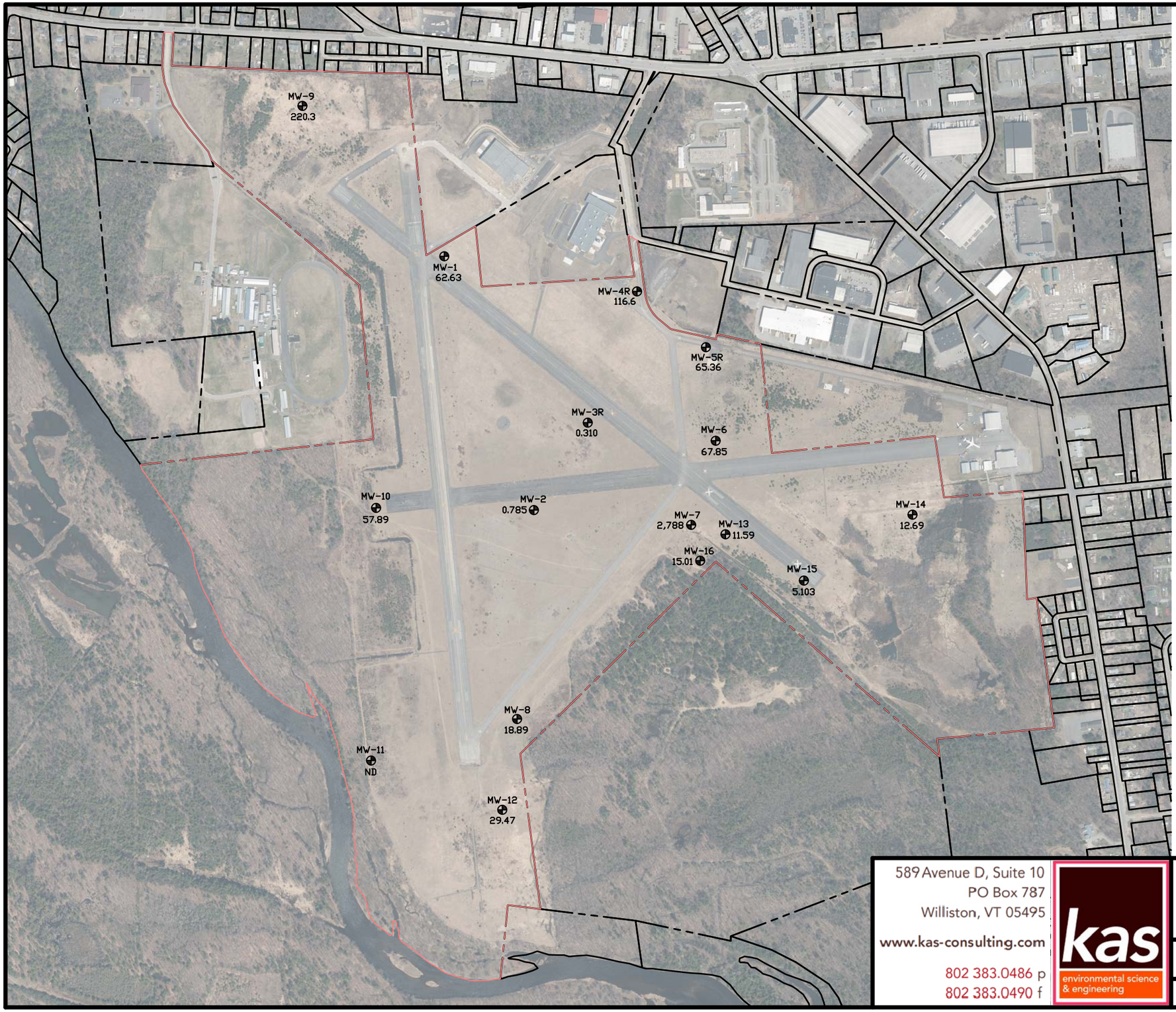
KAS #:508215230

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FORMER CLINTON COUNTY AIRPORT
PLATTSBURGH, NEW YORK

GROUNDWATER CONTOUR MAP

DATE: 10/8/24	DWG. #: 4	SCALE: 1"=30'	DRN.: TMB	APP.: AJR



LEGEND

MW-2 ⊕ 0.785	MONITORING WELL WITH TOTAL PFAS CONCENTRATION (PPT)
NS	NOT SAMPLED
ND	NONE DETECTED
———	PROPERTY LINE
———	SUBJECT PROPERTY LINE

GRAPHIC SCALE

800' 0 400' 800' 1600'

1 INCH = 800FEET

NOTES:
1. BASE MAP DEVELOPED FROM NYS ORTHOIMAGERY AND PARCEL MAPS, FIELD OBSERVATIONS.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.

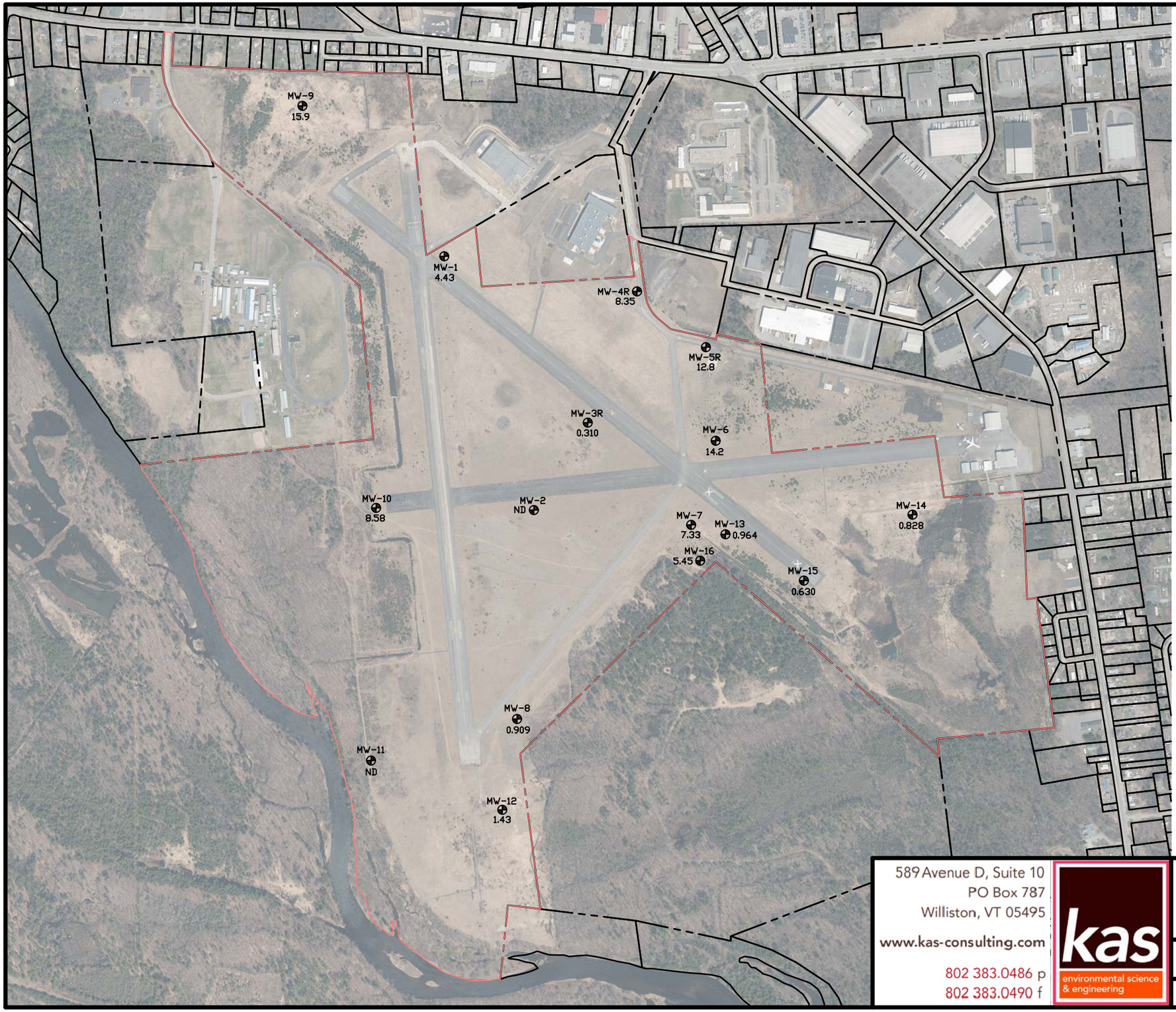
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FORMER CLINTON COUNTY AIRPORT
PLATTSBURGH, NEW YORK

GROUNDWATER: TOTAL PFAS CONCENTRATION MAP

DATE: 10/8/24	DWG. #: 5	SCALE: 1"=800'	DRN.: TMB	APP.: AJR



LEGEND

MW-9 ⊕ 15.9	MONITORING WELL WITH PFOA CONCENTRATION (PPT)
NS	NOT SAMPLED
ND	NONE DETECTED
———	PROPERTY LINE
———	SUBJECT PROPERTY LINE

GRAPHIC SCALE

800' 0 400' 800' 1600'

1 INCH = 800FEET

NOTES:
1. BASE MAP DEVELOPED FROM NYS ORTHOIMAGERY AND PARCEL MAPS, FIELD OBSERVATIONS.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.

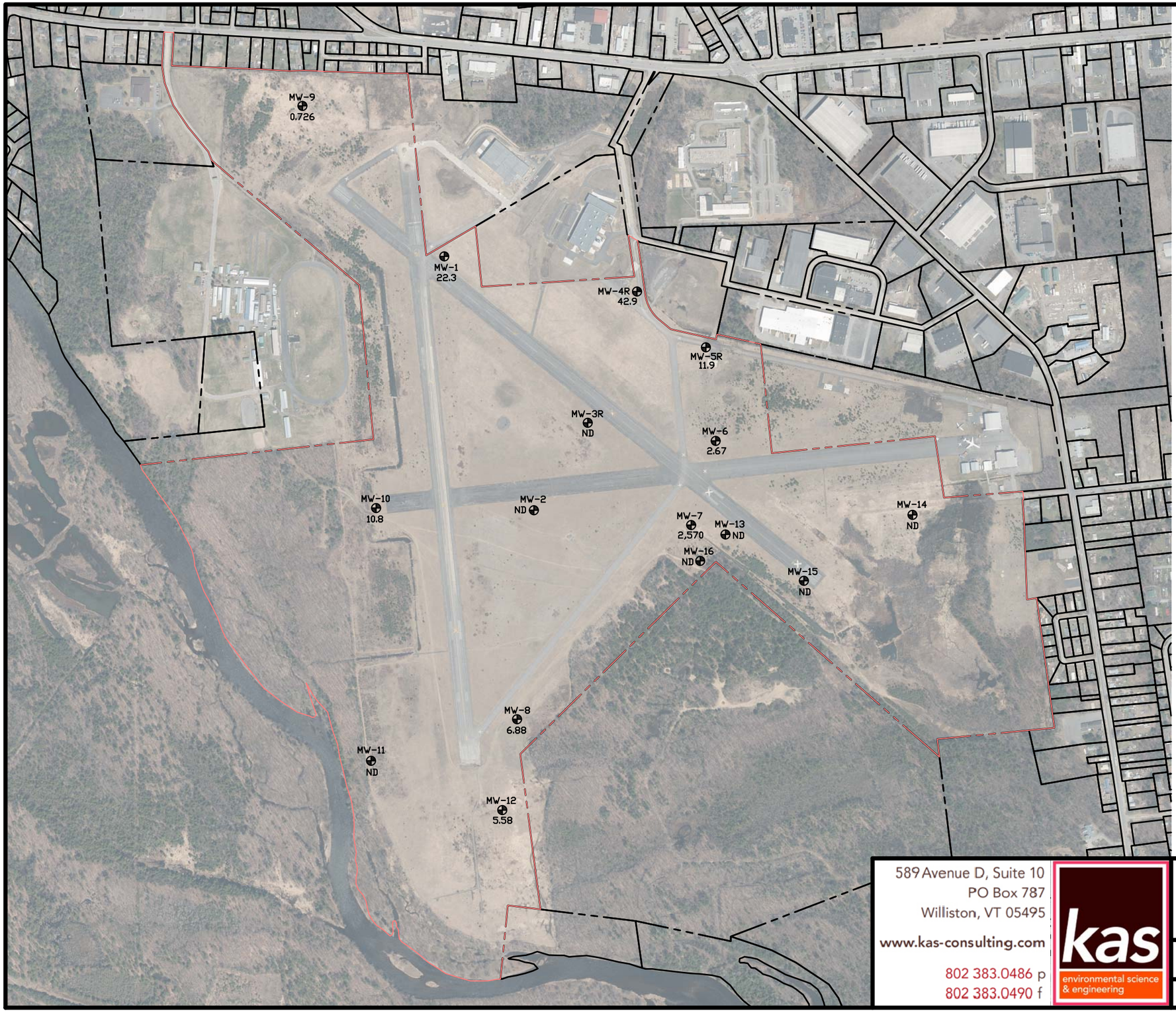
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FORMER CLINTON COUNTY AIRPORT
PLATTSBURGH, NEW YORK

GROUNDWATER: PFOA CONCENTRATION MAP

DATE: 10/8/24	DWG. #: 6	SCALE: 1"=800'	DRN.: TMB	APP.: AJR



LEGEND

MW-9 ⊕ 0.726	MONITORING WELL WITH PFOS CONCENTRATION (PPT)
NS	NOT SAMPLED
ND	NONE DETECTED
———	PROPERTY LINE
———	SUBJECT PROPERTY LINE

GRAPHIC SCALE

800' 0 400' 800' 1600'

1 INCH = 800FEET

NOTES:
1. BASE MAP DEVELOPED FROM NYS ORTHOIMAGERY AND PARCEL MAPS, FIELD OBSERVATIONS.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.

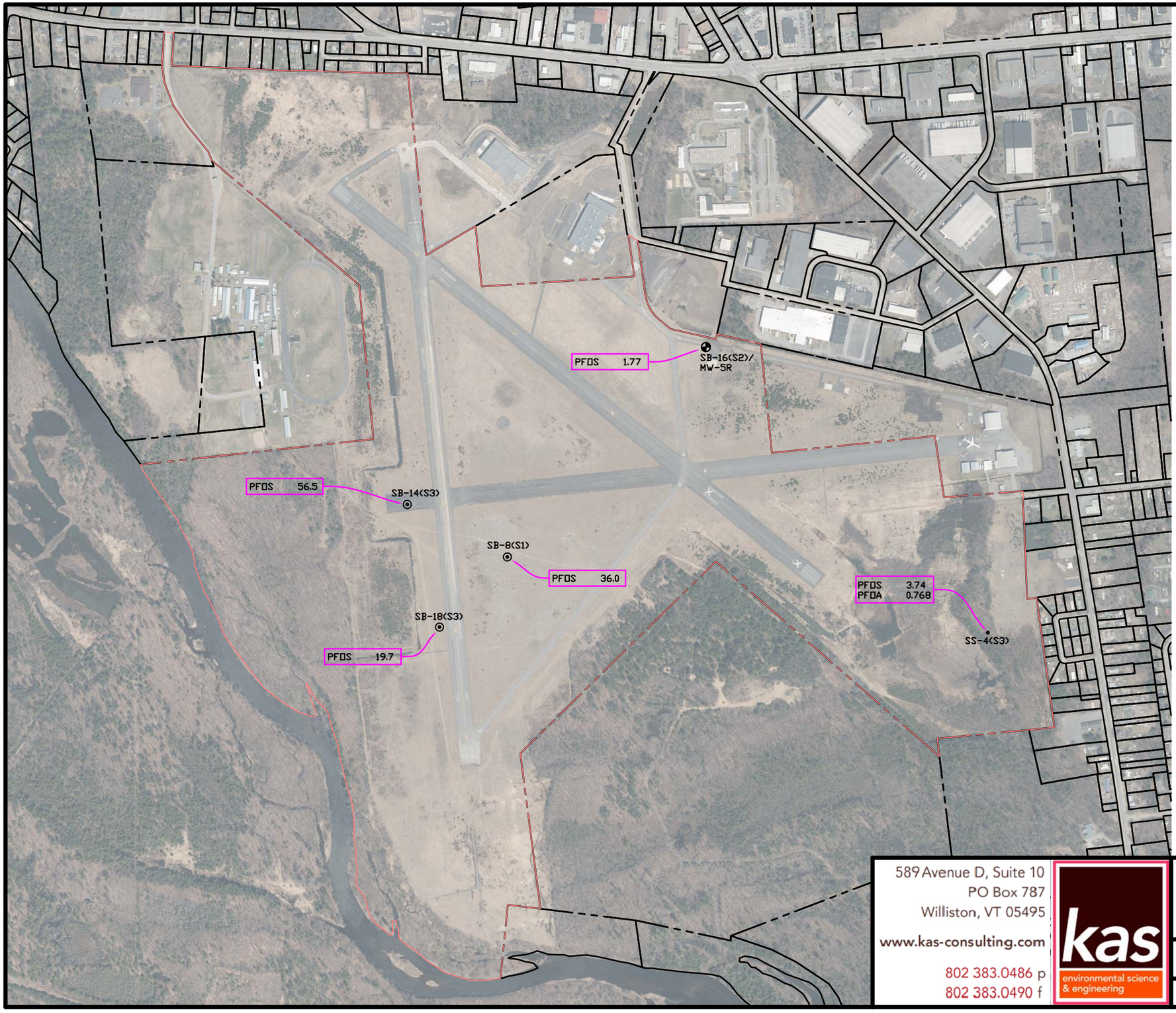
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FORMER CLINTON COUNTY AIRPORT
PLATTSBURGH, NEW YORK

GROUNDWATER: PFOS CONCENTRATION MAP

DATE: 10/8/24	DWG. #: 7	SCALE: 1"=30'	DRN.: TMB	APP.: AJR



LEGEND

SB-14(S3)	SOIL BORING WITH CHARACTERIZATION STAGE
SS-4(S3)	SHALLOW SOIL SAMPLE WITH CHARACTERIZATION STAGE
MW-5	MONITORING WELL
PFOS 3.74 PFOA 0.768	CONCENTRATION OF PFOS OR PFOA IN ppb
	PROPERTY LINE
	SUBJECT PROPERTY LINE

GRAPHIC SCALE

800' 0 400' 800' 1600'

1 INCH = 800FEET

NOTES:
1. BASE MAP DEVELOPED FROM NYS ORTHOIMAGERY AND PARCEL MAPS, FIELD OBSERVATIONS.
2. ALL UTILITES AND PROPERTY LINES ARE CONSIDERED APPROXIMATE.

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FORMER CLINTON COUNTY AIRPORT
PLATTSBURGH, NEW YORK

SOIL AND SEDIMENT SAMPLE PFAS CONCENTRATION EXCEEDANCE MAP

DATE: 10/8/24	DWG. #: 3	SCALE: 1"=30'	DRN.: TMB	APP.: AJR

APPENDIX B

STAGE 1, 2 AND 3 SITE CHARACTERIZATION DATA SUMMARY TABLES

Sampling Data Summary
Site Characterization (Stage 1)
Former Clinton County Airport - Lot A, D and J, Plattsburgh, New York

| | | |

Sampling Data Summary - Soil
Site Characterization (Stage 2)
Former Clinton County Airport - Lot B, C, E, F and G, Plattsburgh, New York

	Soil																								
Sample Identification	*SB-1*	*SB-2 (0-2')*	*SB-2*	*SB-3*	*SB-4 (0-2')*	*SB-4*	*SB-5*	*SB-6*	*SB-7*	*SB-8*	*SB-9*	*SB-10*	*SB-11*	*SB-12 (0-2')*	*SB-12*	*SB-13*	*SB-14 (0-2')*	*SB-14*	*SB-15*	*SB-16*	*SB-17 (0-2')*	*SB-17*	*SB-18*	Individual or Combined Guidance Levels	CP-51 - Soil Cleanup Guidance[1 2]	Unrestricted Use[3]
Sample Date	*1/3/23*	*1/3/23*	*1/3/23*	*1/3/23*	*1/3/23*	*1/3/23*	*1/3/23*	*1/3/23*	*1/3/23*	*1/4/23*	*1/4/23*	*1/3/23*	*1/3/23*	*1/4/23*	*1/4/23*	*1/4/23*	*1/4/23*	*1/4/23*	*1/4/23*	*1/4/23*	*1/4/23*	*1/4/23*	*1/4/23*			
Approx. Sample Depth (Feet below ground surface)	*2-4*	*0-2*	*2-4*	*2-4*	*0-2*	*2-4*	*2-4*	*2-4*	*2-4*	*2-4*	*3-4*	*2-4*	*2-4*	*0-2*	*5-8*	*2-6*	*0-2*	*0-2*	*2-4*	*2-4*	*0-2*	*2-4*	*2-5*			
VOCS, EPA Method 8260 (mg/kg, dry)																										
p-Isopropylbenzene		ND	ND		**0.00076**									ND	ND		ND	ND			ND	ND	ND	NS	NS	NS
Acetone		ND	**0.010**		ND									**0.011**	**0.016**		ND	ND			**0.041**	**0.017**	**0.030**	NS	NS	0.05
Chloroform		**0.00024**	ND		ND									ND	ND		ND	ND			ND	ND	ND	NS	NS	0.37
Methyl Acetate		ND	ND		ND									ND	**0.0010**		**0.0025**	ND			**0.0018**	ND	**0.0026**	NS	NS	NS
Total Reported VOCs		**0.00024**	**0.01**		**0.00076**									**0.011**	**0.0170**		**0.0025**	ND			**0.0428**	**0.017**	**0.0326**	NS	NS	NS
SVOCS, EPA Method 8270 (mg/kg, dry)																										
2-Methylnaphthalene		ND	ND		ND									ND	ND		ND	**0.061**			ND	ND	ND	NS	NS	0.41[3]
Total Reported SVOCs		ND	ND		ND									ND	ND		ND	**0.061**			ND	ND	ND	NS	NS	NS
PCBs, EPA Method 3665 (mg/kg, dry)																										
PCBs, Total		ND	ND		ND									ND	ND		ND	ND			ND	ND	ND	NS	NS	0.1
PESTICIDES, EPA Method 3620 (mg/kg, dry)																										
PESTICIDES, Total		ND	ND		ND									ND	ND		ND	ND			ND	ND	ND	NS	NS	
METALS, EPA Methods 3050/7471 (mg/kg, dry)																										
Aluminum, Total		**2,520**	**2,210**		**3,160**									**3,080**	**2,660**		**2,220**	**2,930**			**3,250**	**2,980**	**1,270**	NS	NS	NS
Antimony, Total		**0.482**	ND		**1.07**									**0.410**	**0.347**		**0.750**	**0.463**			**0.865**	**0.538**	**0.582**	NS	NS	NS
Arsenic, Total		**1.16**	**0.792**		**3.40**									**1.60**	**0.499**		**2.14**	**2.05**			**1.86**	**1.61**	**1.52**	NS	NS	13
Barium, Total		**16.7**	**14.0**		**23.0**									**15.7**	**6.33**		**14.3**	**29.5**			**25.8**	**23.2**	**7.45**	NS	NS	350
Beryllium, Total		**0.106**	**0.109**		**0.207**									**0.138**	**0.090**		**0.103**	**0.168**			**0.139**	**0.122**	**0.093**	NS	NS	7.2
Calcium, Total		**6,230**	**519**		**3,390**									**493**	**113**		**58,900**	**11,400**			**46,000**	**32,700**	**890**	NS	NS	NS
Chromium, Total		**3.92**	**3.21**		**5.56**									**3.51**	**3.13**		**5.25**	**4.72**			**6.55**	**5.35**	**2.96**	NS	NS	30
Cobalt, Total		**1.41**	**1.91**		**3.24**									**1.07**	**1.19**		**1.98**	**3.49**			**2.79**	**2.36**	**1.22**	NS	NS	NS
Copper, Total		**2.60**	**0.614**		**2.57**									**1.63**	**0.513**		**4.34**	**4.25**			**5.65**	**5.15**	**2.45**	NS	NS	50
Iron, Total		**5,370**	**4,840**		**19,100**									**5,280**	**3,880**		**6,820**	**7,800**			**8,940**	**6,690**	**7,070**	NS	NS	NS
Lead, Total		**2.23**	**1.35**		**5.90**									**7.05**	**0.716**		**4.30**	**7.15**			**3.18**	**2.99**	**0.878**	NS	NS	63
Magnesium, Total		**3,000**	**553**		**1,340**									**382**	**516**		**24,800**	**3,460**			**13,600**	**9,000**	**528**	NS	NS	NS
Manganese, Total		**116**	**154**		**549**									**137**	**12.9**		**238**	**398**			**247**	**227**	**74.9**	NS	NS	1,600
Nickel, Total		**2.84**	**2.00**		**2.52**									**1.82**	**1.94**		**4.03**	**4.03**			**6.37**	**4.98**	**2.02**	NS	NS	30
Potassium, Total		**255**	**92.4**		**167**									**102**	**77.7**		**282**	**228**			**493**	**407**	**136**	NS	NS	NS
Sodium, Total		**36.7**	**12.1**		**23.4**									**14.1**	**12.2**		**88.7**	**37.7**			**97.8**	**79.8**	**21.8**	NS	NS	NS
Vanadium, Total		**7.00**	**5.32**		**20.1**									**8.24**	**5.33**		**8.98**	**10.2**			**11.0**	**9.30**	**8.35**	NS	NS	NS
Zinc, Total		**8.83**	**4.99**		**20.5**									**14.9**	**5.75**		**12.5**	**16.8**			**16.5**	**18.8**	**5.92**	NS	NS	109
INORGANICS, Method 1901/9012 (mg/kg, dry)																										
Cyanide		ND	ND		ND									ND	ND		ND	ND			ND	ND	ND	NS	NS	27
PFAS, Method 537.1 (ng/g, dry)																										
Perfluorobutanoic Acid (PFBA)	**0.035**	**0.056**	**0.035**	ND	**0.058**	**0.030**	ND	ND	ND	ND	ND	**0.045**	ND	**0.063**	ND	ND	ND	**0.204**	ND	ND	ND	ND	ND	NS	NS	NS
Perfluorohexanoic Acid (PFHxA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.059**	ND	ND	ND	ND	ND	NS	NS	NS
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ND	ND	**0.097**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.085**	ND	ND	ND	ND	ND	NS	NS	NS
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.185**	ND	ND	ND	**0.175**	ND	ND	ND	NS	NS	NS
Perfluorooctanoic Acid (PFOA)	ND	ND	ND	ND	**0.056**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.199**	ND	**0.045**	ND	ND	ND	0.66	NS	NS
Perfluorononanoic Acid (PFNA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.127**	ND	ND	ND	ND	ND	NS	NS	NS
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.350**	ND	**0.327**	ND	**1.77**	ND	ND	ND	0.88	NS	NS
Total Reported PFAs	**0.035**	**0.056**	**0.035**	ND	**0.211**	**0.030**	ND	ND	ND	ND	ND	**0.045**	ND	**0.063**	ND	**0.535**	ND	**1.001**	ND	**1.990**	ND	ND	ND	NS	NS	NS

NOTES:
All values reported in mg/kg, dry, unless otherwise indicated.
Above Standard or Guidance Value
NA = Not Analyzed
ND = Not Detected< Detection Limit
NS = No standard
Results reported above detection limits are indicated in bold
Detection limits and reported concentrations at/ above the unrestricted use are shaded.
[1]CP 51 Supplemental Soil Cleanup Objectives - Protection of Groundwater
[2]CP-51 Supplemental Soil Cleanup Objectives - Industrial
[3]NYCRR Part 375 – Environmental Remediation Programs
Only detections shown for confirmatory soil samples
GUIDELINES FOR SAMPLING AND ANALYSIS OF PFAS
Under NYSDEC's Part 375 Remedial Programs

Sampling Data Summary - Groundwater
Site Characterization (Stage 2)
Former Clinton County Airport - Lot B, C, E, F and G, Plattsburgh, New York

	Groundwater								
Sample Identification	*MW-1*	*MW-2*	*MW-4*	*MW-5*	*MW-6*	*MW-7*	*MW-7*	*MW-8*	TOGS
Sample Date	*1/11/23*	*1/12/23*	*1/12/23*	*1/12/23*	*1/11/23*	*1/11/23*	*3/15/23*	*1/11/23*	
Depth to Water (Feet below ground surface)	*5.40*	*9.95*	*1.80*	*7.25*	*5.60*	*6.65*	*6.30*	*8.30*	
VOCS, EPA Method 8260 (ug/l)									
Acetone	**3.1**	ND	**4.6**	N/A	**2.8**	ND	-	ND	50
Total Reported VOCs	**3.1**	ND	**4.6**	N/A	**2.8**	ND	-	ND	NS
SVOCS, EPA Method 8270 (ug/l)									
Naphthalene	ND	ND	ND	N/A	ND	**0.05**	-	ND	10
Di-n-butylphthalate	ND	ND	**0.52**	N/A	ND	ND	-	ND	50
Diethyl phthalate	ND	ND	**1.0**	N/A	ND	ND	-	ND	50
Dimethyl phthalate	ND	ND	**8.2**	N/A	ND	ND	-	ND	50
Phenol	ND	ND	**0.96**	N/A	ND	ND	-	ND	2
Caprolactam	ND	ND	**3.4**	N/A	ND	ND	-	ND	NS
Fluorene	ND	ND	ND	N/A	**0.02**	ND	-	ND	50
Pentachlorophenol	ND	ND	ND	N/A	**0.09**	ND	-	ND	2
Hexachlorobenzene	ND	ND	**0.02**	N/A	**0.02**	ND	-	ND	0.04
Phenanthrene	ND	ND	**0.05**	N/A	ND	ND	-	ND	50
Anthracene	ND	ND	**0.02**	N/A	ND	ND	-	ND	50
Fluoranthene	ND	ND	**0.02**	N/A	ND	ND	-	ND	50
Pyrene	ND	ND	**0.02**	N/A	ND	ND	-	ND	50
Benzo(a)anthracene	ND	ND	ND	N/A	**0.02**	ND	-	ND	0.002
Total Reported SVOCs	ND	ND	**14.2**	N/A	**0.15**	**0.05**	-	ND	NS
PCBs, EPA Method 3665 (ug/l)									
PCBs, Total	ND	ND	ND	N/A	ND	ND	-	ND	NS
PESTICIDES, EPA Method 3620 (ug/l)									
4,4'-DDT (Dichlorodiphenyltrichloroethane)	ND	ND	**0.011**	N/A	ND	**0.012**	-	ND	5
trans-Chlordane	**0.005**	ND	ND	N/A	ND	ND	-	ND	0.05
PESTICIDES, Total	**0.005**	ND	**0.011**	N/A	N/A	**0.012**	-	ND	NS
METALS, EPA Methods 3050/7471 (mg/l)									
Aluminum, Total	**1.52**	**5.25**	**1.66**	N/A	**0.791**	**11.0**	-	**0.251**	2,000,000
Arsenic, Total	**0.00160**	**0.00263**	**0.00137**	N/A	**0.00115**	**0.00691**	-	**0.00037**	50,000
Barium, Total	**0.02941**	**0.03482**	**0.04658**	N/A	**0.01456**	**0.09544**	-	**0.00519**	2,000,000
Beryllium, Total	ND	**0.00024**	ND	N/A	ND	**0.00062**	-	ND	3,000
Cadmium, Total	ND	ND	ND	N/A	ND	**0.00015**	-	ND	10,000
Calcium, Total	**86.6**	**36.9**	**74.1**	N/A	**30.1**	**62.8**	-	**14.2**	NS
Chromium, Total	**0.00666**	**0.01702**	**0.01040**	N/A	**0.00239**	**0.03226**	-	**0.00132**	100,000
Cobalt, Total	**0.00139**	**0.00238**	**0.00124**	N/A	**0.00070**	**0.00574**	-	**0.00052**	NS
Copper, Total	**0.00522**	**0.00637**	**0.00518**	N/A	**0.00257**	**0.01586**	-	**0.00063**	1,000,000
Iron, Total	**2.76**	**6.12**	**2.43**	N/A	**1.72**	**15.2**	-	**0.553**	600,000
Lead, Total	**0.00229**	**0.00207**	**0.00161**	N/A	**0.00071**	**0.01398**	-	ND	50,000
Magnesium, Total	**15.2**	**9.13**	**13.1**	N/A	**6.57**	**14.3**	-	**2.83**	35,000,000
Manganese, Total	**0.1446**	**0.1107**	**0.1206**	N/A	**0.07833**	**0.6653**	-	**0.06882**	NS
Nickel, Total	**0.00404**	**0.00551**	**0.00563**	N/A	**0.00169**	**0.01388**	-	**0.00081**	200,000
Potassium, Total	**0.860**	**0.827**	**2.49**	N/A	**1.27**	**1.890**	-	**0.258**	NS
Selenium, Total	**0.00267**	**0.00699**	**0.00330**	N/A	**0.00218**	**0.0209**	-	ND	20,000
Sodium, Total	**1.88**	**1.60**	**10.2**	N/A	**5.08**	**2.31**	-	**2.00**	NS
Vanadium, Total	**0.00297**	**0.00524**	**0.00484**	N/A	**0.00184**	**0.01811**	-	ND	NS
Zinc, Total	**0.00859**	**0.00682**	**0.01214**	N/A	ND	**0.03288**	-	ND	4,200
INORGANICS, Method 1901/9012 (mg/l)									
Cyanide	ND	ND	ND	ND	ND	ND	-	ND	400,000
PFAS, Method 537.1 (ng/l)									
Perfluorobutanoic Acid (PFBA)	**19.1**	ND	**13.7**	**2.76**	**1.66**	**4.78**	**5.28**	ND	NS
Perfluoropentanoic Acid (PFPeA)	**5.48**	ND	**11.7**	**1.63**	**0.975**	**6.94**	**6.28**	**0.402**	NS
Perfluorobutanesulfonic Acid (PFBS)	**2.19**	**0.259**	**5.00**	**0.754**	**0.455**	**8.45**	**8.08**	**0.276**	NS
Perfluorohexanoic Acid (PFHxA)	**5.49**	ND	**24.9**	**2.29**	**0.803**	**13.1**	**13.2**	**0.349**	NS
Perfluoroheptanoic Acid (PFHpA)	**3.71**	ND	**9.65**	**4.49**	**0.774**	**4.09**	**3.64**	**0.276**	NS
Perfluorohexanesulfonic Acid (PFHxS)	**13.7**	**1.52**	**43.9**	**13.5**	**0.684**	**347**	**258**	**3.94**	NS
Perfluorooctanoic Acid (PFOA)	**6.88**	ND	**11.0**	**11.8**	**1.96**	**15.9**	**16.5**	**0.464**	6.7
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	**1.16**	**2.51**	ND	**58.4**	**41.8**	ND	NS
Perfluorononanoic Acid (PFNA)	**0.472**	ND	**0.483**	**7.21**	ND	**1.24**	**0.996**	ND	NS
Perfluorooctanesulfonic Acid (PFOS)	**2.85**	ND	**7.30**	**70.8**	**1.28**	**3480**	**3270**	**12.8**	2.7
Perfluorodecanoic Acid (PFDA)	ND	ND	ND	**3.67**	ND	ND	ND	ND	NS
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ND	**0.294**	ND	ND	ND	ND	NS
Total Reported PFAs	**59.872**	**1.779**	**128.793**	**121.708**	**8.591**	**3939.9**	**3623.776**	**18.507**	NS

NOTES:
All values reported in ug/L, dry, unless otherwise indicated.
Above Standard or Guidance Value
NA = Not Analyzed
ND = Not Detected< Detection Limit
NS = No standard
Results reported above detection limits are indicated in bold
Detection limits and reported concentrations at/ above the unrestricted use are shaded.
[1]CP 51 Supplemental Soil Cleanup Objectives - Protection of Groundwater
[2]CP-51 Supplemental Soil Cleanup Objectives - Industrial
[3]NYCRR Part 375 – Environmental Remediation Programs
Only detections shown for confirmatory soil samples
GUIDELINES FOR SAMPLING AND ANALYSIS OF PFAS
Under NYSDEC's Part 375 Remedial Programs

Soil Summary Table
Site Characterization (Stage 3)
Former Clinton County Airport - Lot H and I, Plattsburgh, New York

| | | |

Sediment Summary Table
Site Characterization (Stage 3)
Former Clinton County Airport - Lot H and I, Plattsburgh, New York

	Sediment							
Sample Identification	*SS-1*	*SS-2*	*SS-3*	*SS-4*	*SS-5*	*SS-6*	Freshwater Sediment	Individual or Combined
Sample Date	*2/14/24*	*2/14/24*	*2/14/24*	*2/14/24*	*2/14/24*	*2/14/24*	Guidance Values[1]	Guidance Levels
Approx. Sample Depth (Feet below ground surface)	*0-2'*	*0-2'*	*0-2'*	*0-2'*	*0-2'*	*0-2'*		
VOCs, EPA Method 8260 (mg/kg, dry)								
Acetone		**0.030**					NS	NS
p-Isopropyltoluene		**0.0092**					NS	NS
Total Reported VOCs		**0.0392**					NS	NS
SVOCs, EPA Method 8270 (mg/kg, dry)								
Total Reported SVOCs		ND					NS	NS
PCBs, EPA Method 8082A (mg/kg, dry)								
PCBs, Total		ND					NS	NS
PESTICIDES, EPA Method 8081B (mg/kg, dry)								
Pesticides, Total		ND					NS	NS
METALS, EPA Methods 3050/7471 (mg/kg, dry)								
Aluminum, Total		**5,000**					NS	NS
Antimony, Total		ND					NS	NS
Arsenic, Total		**1.46**					<10	NS
Barium, Total		**14.6**					NS	NS
Beryllium, Total		**0.186**					NS	NS
Cadmium, Total		**0.153**					<1	NS
Calcium, Total		**522**					NS	NS
Chromium, Total		**4.39**					<43	NS
Cobalt, Total		**1.28**					NS	NS
Copper, Total		**1.81**					<32	NS
Iron, Total		**8,160**					NS	NS
Lead, Total		**8.24**					<36	NS
Magnesium, Total		**501**					NS	NS
Manganese, Total		**54.8**					NS	NS
Mercury, Total		ND					<0.2	NS
Nickel, Total		**2.30**					<23	NS
Potassium, Total		**113**					NS	NS
Selenium, Total		ND					NS	NS
Silver, Total		ND					<1	NS
Sodium, Total		**38.1**					NS	NS
Thallium, Total		ND					NS	NS
Vanadium, Total		**11.9**					NS	NS
Zinc, Total		**13.6**					<120	NS
INORGANICS, Method 9010C/9012B (mg/kg, dry)								
Cyanide		ND					NS	NS
PFAS, Method 537.1 (ng/g, dry)								
Perfluorobutanoic Acid (PFBA)	**0.273**	ND	**0.117**	**0.768**	**0.084**	ND	NS	NS
Perfluoropentanoic Acid (PFPeA)	**0.089**	ND	ND	ND	ND	ND	NS	NS
Perfluorohexanoic Acid (PFHxA)	**0.086**	ND	ND	ND	ND	ND	NS	NS
Perfluoroheptanoic Acid (PFHpA)	**0.105**	ND	**0.062**	ND	ND	ND	NS	NS
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ND	ND	ND	ND	NS	NS
Perfluorooctanoic Acid (PFOA)	**0.278**	ND (<0.339)	**0.132**	**0.768**	**0.068**	**0.107**	NS	0.66
1H, 1H, 2H, 2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	**2.82**	**0.927**	**6.05**	**1.94**	**6.69**	NS	NS
Perfluorononanoic Acid (PFNA)	**0.405**	ND	ND	**1.50**	ND	ND	NS	NS
Perfluorooctanesulfonic Acid (PFOS)	**0.790**	**0.315**	**0.193**	**3.74**	**0.323**	**0.668**	NS	0.88
Perfluorodecanoic Acid (PFDA)	**0.112**	ND	ND	**1.06**	ND	**0.141**	NS	NS
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ND	ND	ND	**0.113**	NS	NS
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ND	ND	ND	ND	NS	NS
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ND	ND	ND	ND	NS	NS
Perfluorooctanesulfonamide (FOSA)	ND	ND	ND	ND	ND	ND	NS	NS
Total Reported PFAs	**2.138**	**3.135**	**1.431**	**13.886**	**2.415**	**7.719**	NS	NS

NOTES:
All values reported in mg/kg, dry, unless otherwise indicated.
Above Standard or Guidance Value
ND = Not Detected< Detection Limit
NS = No standard
Results reported above detection limits are indicated in bold
Detection limits and reported concentrations at/ above the unrestricted use are shaded.
[1]Screening and Assessment of Contaminated Sediment, NYSDEC - Table 5 - Freshwater Sediment Guidance Values - Class A
Only detections shown for confirmatory soil samples
GUIDELINES FOR SAMPLING AND ANALYSIS OF PFAS
Under NYSDEC's Part 375 Remedial Programs

Groundwater Summary Table
Site Characterization (Stage 3)
Former Clinton County Airport - Lot H and I, Plattsburgh, New York

	Groundwater																
Sample Identification	*MW-1 **	*MW-2*	*MW-3R*	*MW-4R*	*MW-5R*	*MW-6*	*MW-7*	*MW-8*	*MW-9*	*MW-10*	*MW-11*	*MW-12*	*MW-13*	*MW-14*	*MW-15*	*MW-16*	TOGS
Sample Date	*2/16/24*	*2/15/24*	*2/16/24*	*2/16/24*	*2/16/24*	*2/15/24*	*2/15/24*	*2/15/24*	*2/15/24*	*2/15/24*	*2/15/24*	*2/15/24*	*2/15/24*	*2/14/24*	*2/14/24*	*2/15/24*	
Depth to Water (feet below casing)	*5.70*	*9.60*	*7.85*	*5.60*	*7.90*	*4.60*	*6.60*	*9.20*	*7.05*	*3.90*	*10.25*	*3.95*	*5.95*	*5.51*	*5.15*	*7.00*	
Groundwater Elevation (feet)	*358.80*	*342.46*	*339.29*	*341.19*	*332.84*	*335.43*	*332.95*	*337.42*	*374.70*	*353.07*	*330.31*	*334.92*	*330.42*	*323.49*	*326.43*	*332.59*	
PFAS, Method 537.1 (ng/L)																	
Perfluorobutanoic Acid (PFBA)	**2.52**	ND	ND	**4.66**	**9.27**	**16.2**	**2.07**	**0.845**	**126**	**13.7**	ND	**2.22**	**6.57**	**5.72**	**1.71**	**1.73**	NS
Perfluoropentanoic Acid (PFPeA)	**1.24**	ND	ND	**2.28**	**4.89**	**9.46**	**1.83**	ND	**24.4**	**4.32**	ND	**0.645**	**1.30**	**1.06**	**0.664**	**2.25**	NS
Perfluorobutanesulfonic Acid (PFBS)	**2.06**	ND	ND	**3.70**	**1.82**	**2.91**	**6.65**	**1.22**	**11.4**	**1.56**	ND	**2.89**	**1.04**	**0.454**	**0.464**	ND	NS
Perfluorohexanoic Acid (PFHxA)	**3.39**	ND	ND	**6.08**	**5.37**	**10.0**	**4.83**	**0.499**	**17.8**	**3.42**	ND	**0.888**	**1.11**	**1.03**	**0.71**	**1.44**	NS
Perfluoroheptanoic Acid (PFHpA)	**1.43**	ND	ND	**2.93**	**6.14**	**8.66**	**1.57**	**0.613**	**8.29**	**5.38**	ND	**0.638**	**0.602**	**0.696**	ND	**2.37**	NS
Perfluorohexanesulfonic Acid (PFHxS)	**23.6**	**0.785**	ND	**42.3**	**9.24**	**2.72**	**167**	**7.92**	**15.2**	**2.75**	ND	**14.9**	ND	ND	**0.925**	ND	NS
Perfluorooctanoic Acid (PFOA)	**4.43**	ND (<1.85)	**0.310**	**8.35**	**12.8**	**14.2**	**7.33**	**0.909**	**15.9**	**8.58**	ND(<1.84)	**1.43**	**0.964**	**0.828**	**0.630**	**5.45**	6.7
1H, 1H, 2H, 2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.42**	ND	ND	ND	**2.90**	ND	ND	NS
Perfluoroheptanesulfonic Acid (PFHpS)	**1.30**	ND	ND	**2.63**	0.747	ND	26.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Perfluorononanoic Acid (PFNA)	**0.364**	ND	ND	**0.765**	3.18	**1.03**	0.499	ND	**0.565**	**4.96**	ND	**0.282**	ND	ND	ND	1.77	NS
Perfluorooctanesulfonic Acid (PFOS)	**22.3**	ND (<1.85)	ND (<1.80)	**42.9**	**11.9**	**2.67**	**2570**	**6.88**	**0.776**	**10.8**	ND(<1.84)	**5.58**	ND(<1.90)	ND(<2.12)	ND(<1.89)	ND(<1.83)	2.7
Perfluorodecanoic Acid (PFDA)	ND	ND	ND	ND	0.558	ND	ND	ND	ND	**1.13**	ND	ND	ND	ND	ND	ND	NS
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.675	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Total Reported PFAS	**62.634**	**0.785**	**0.31**	**116.595**	**65.357**	**67.85**	**2787.979**	**18.886**	**220.331**	**57.89**	ND	**29.473**	**11.586**	**12.688**	**5.103**	**15.01**	NS

NOTES:

*It should be noted that a parent sample (MW-1) and duplicate sample (MW-1D) were collected from this location. The duplicate sample had slightly higher concentrations of PFAS, which is summarized in this table.

All values reported in ug/L, dry, unless otherwise indicated.

Above Standard or Guidance Value

ND = Not Detected< Detection Limit

NS = No standard

Results reported above detection limits are indicated in bold

Detection limits and reported concentrations at/ above the unrestricted use are shaded.

[1]CP 51 Supplemental Soil Cleanup Objectives - Protection of Groundwater

[2]CP-51 Supplemental Soil Cleanup Objectives - Industrial

[3]NYCRR Part 375 – Environmental Remediation Programs

Only detections shown for confirmatory soil samples

GUIDELINES FOR SAMPLING AND ANALYSIS OF PFAS

Under NYSDEC's Part 375 Remedial Programs

QA/QC Soil/Sediment Summary
Site Characterization - Stage 3

Plattsburgh, NY

Sample Identification	*SB-14(S3)*	*SB-14D(S3)**	RPD	*SS-2*	*SS-2D**	RPD
Sample Date	*2/6/24*	*2/6/24*		*2/14/24*	*2/14/23*	
VOCS, EPA Method 8260 (ug/kg)						
Toluene	-	-	-	ND	**4.6**	-
Acetone	-	-	-	**30**	**41**	31%
2-Butanone	-	-	-	ND	**10**	-
p-Isopropyltoluene	-	-	-	**9.2**	**16**	54%
Total Reported VOCs	-	-	-	**39.2**	61.7	45%
SVOCS, EPA Method 8270 (ug/kg)						
Phenol	-	-	-	ND	**69**	-
Total Reported SVOCs	-	-	-	ND	**69**	-
PCBs, EPA Method 8082 (ug/kg)						
PCBs, Total	-	-	-	ND	ND	-
PESTICIDES, EPA Method 8081A (ug/kg)						
PESTICIDES, Total	-	-	-	ND	ND	-
METALS, EPA Methods 3050/7471 (mg/kg)						
Aluminum, Total	-	-	-	**5,000**	**4,880**	2%
Arsenic, Total	-	-	-	**1.46**	**1.03**	35%
Barium, Total	-	-	-	**14.6**	**15.5**	6%
Beryllium, Total	-	-	-	**0.186**	**0.181**	3%
Cadmium, Total	-	-	-	**0.153**	ND	-
Calcium, Total	-	-	-	**522**	**538**	3%
Chromium, Total	-	-	-	**4.39**	**4.24**	3%
Cobalt, Total	-	-	-	**1.28**	**1.18**	8%
Copper, Total	-	-	-	**1.81**	**2.22**	20%
Iron, Total	-	-	-	**8,160**	**6,560**	22%
Lead, Total	-	-	-	**8.24**	**8.55**	4%
Magnesium, Total	-	-	-	**501**	**593**	17%
Manganese, Total	-	-	-	**54.8**	**42.1**	26%
Nickel, Total	-	-	-	**2.30**	**2.77**	19%
Potassium, Total	-	-	-	**113**	**128**	1%
Selenium, Total	-	-	-	ND	ND	-
Sodium, Total	-	-	-	**38.1**	**50.0**	27%
Vanadium, Total	-	-	-	**11.9**	**10.9**	9%
Zinc, Total	-	-	-	**13.6**	**14.7**	8%
INORGANICS, Method 9010C/9012B (mg/kg)						
Cyanide	-	-	-	ND	ND	-
PFAS, Method 537.1 (ug/kg)						
Perfluorobutanoic Acid (PFBA)	**0.040**	**0.027**	39%	ND	ND	-
Perfluorohexanoic Acid (PFHxA)	**0.097**	ND	-	ND	ND	-
Perfluorohexanesulfonic Acid (PFHxS)	**0.315**	**0.724**	79%	ND	ND	-
Perfluorooctanoic Acid (PFOA)	**0.092**	**0.076**	19%	ND (<0.339)	ND (<0.388)	-
1H,1H,2H,2H-Perfluoroctanesulfonic Acid (6:2FTS)	**3.470**	ND	-	**2.82**	**1.02**	94%
Perfluorooctanesulfonic Acid (PFOS)	**56.5**	**27.1**	70%	**0.315**	**0.508**	47%
Perfluoroundecanoic Acid (PFUnA)	ND	ND	-	ND	**0.076**	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	**0.102**	-	ND	**0.206**	-
Perfluorooctanesulfonamide (FOSA)	**1.17**	ND	-	ND	ND	-
Total Reported PFAS	**61.684**	**62.579**	1%	**3.135**	**1.81**	54%

*Duplicate Samples

QA/QC Groundwater Summary
Site Characterization - Stage 3

	Groundwater		
Sample Identification	*MW-1*	*MW-1D**	RPD
Sample Date	*2/16/24*	*2/16/24*	
PFAS, Method 537.1 (ng/l)			
Perfluorobutanoic Acid (PFBA)	**2.53**	**2.52**	0%
Perfluoropentanoic Acid (PFPeA)	**0.533**	**1.24**	80%
Perflourobutanesulfonic Acid (PFBS)	**0.834**	**2.06**	85%
Perfluorohexanoic Acid (PFHxA)	**0.540**	**3.39**	145%
Perfluoroheptanoic Acid (PFHpA)	**0.298**	**1.43**	131%
Perfluorohexanesulfonic Acid (PFHxS)	**1.56**	**23.6**	175%
Perfluoroheptanesulfonic Acid (PFHpS)	ND	**1.30**	-
Perfluorononanoic Acid (PFNA)	ND	**0.364**	-
Perfluorooctanoic Acid (PFOA)	**0.813**	**4.43**	138%
Perfluorooctanesulfonic Acid (PFOS)	**1.06**	**22.3**	182%
Total Reported PFAS	**8.168**	**62.634**	154%

*Duplicate sample

APPENDIX C

STAGE 3 LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Lab Number:	L2407483
Client:	KAS, Inc. 13 Latour Avenue Suite 204 Plattsurgh, NY 12901
ATTN:	Aaron Roth
Phone:	(518) 563-9445
Project Name:	FORMER CLINTON COUNTY AIRPORT
Project Number:	508215230
Report Date:	02/23/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2407483-01	SB-1 (S3)	SOIL	PLATTSBURGH, NY	02/05/24 10:20	02/09/24
L2407483-02	SB-2 (S3)	SOIL	PLATTSBURGH, NY	02/05/24 10:30	02/09/24
L2407483-03	SB-3 (S3)	SOIL	PLATTSBURGH, NY	02/05/24 12:19	02/09/24
L2407483-04	SB-4 (S3)_0-2'	SOIL	PLATTSBURGH, NY	02/05/24 12:30	02/09/24
L2407483-05	SB-4 (S3)-SOIL/GW	SOIL	PLATTSBURGH, NY	02/05/24 12:34	02/09/24
L2407483-06	SB-5 (S3)	SOIL	PLATTSBURGH, NY	02/05/24 12:42	02/09/24
L2407483-07	SB-6 (S3)	SOIL	PLATTSBURGH, NY	02/05/24 13:15	02/09/24
L2407483-08	SB-7 (S3)_0-2'	SOIL	PLATTSBURGH, NY	02/05/24 13:25	02/09/24
L2407483-09	SB-7 (S3)-SOIL/GW	SOIL	PLATTSBURGH, NY	02/05/24 13:29	02/09/24
L2407483-10	SB-8 (S3)	SOIL	PLATTSBURGH, NY	02/05/24 13:45	02/09/24
L2407483-11	SB-9 (S3)	SOIL	PLATTSBURGH, NY	02/05/24 13:52	02/09/24
L2407483-12	SB-10 (S3)	SOIL	PLATTSBURGH, NY	02/05/24 14:02	02/09/24
L2407483-13	SB-11 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 12:30	02/09/24
L2407483-14	SB-12 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 14:12	02/09/24
L2407483-15	SB-13 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 10:17	02/09/24
L2407483-16	SB-14 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 10:00	02/09/24
L2407483-17	SB-15 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 12:00	02/09/24
L2407483-18	SB-16 (S3) 0-2'	SOIL	PLATTSBURGH, NY	02/06/24 11:20	02/09/24
L2407483-19	SB-16 (S3)-SOIL/GW	SOIL	PLATTSBURGH, NY	02/06/24 11:24	02/09/24
L2407483-20	SB-17 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 11:50	02/09/24

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2407483
Project Number:	508215230	**Report Date:**	02/23/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2407483
Project Number:	508215230	**Report Date:**	02/23/24

Case Narrative (continued)

Report Submission

February 23, 2024: This final report includes the results of all requested analyses.

February 16, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2407483-18: The collection date and time on the chain of custody was 06-FEB-24 11:20; however, the collection date/time on the container label was 06-FEB-24 11:24. At the client's request, the collection date/time is reported as 06-FEB-24 11:20.

L2407483-19: The collection date and time on the chain of custody was 06-FEB-24 11:24; however, the collection date/time on the container label was 06-FEB-24 11:20. At the client's request, the collection date/time is reported as 06-FEB-24 11:24.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Perfluorinated Alkyl Acids by Isotope Dilution

L2407483-01, -04, -04RE, -05, -05RE, -07, -07RE, -08, -08RE, -09, -09RE, -10, -10RE, -11, -11RE, -12, -13, -13RE, -14, -15, -16, -16RE, -17, -18, -19, -19RE, -20RE2, WG1884459-1, WG1884459-2, and WG1884459-3: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2407483-02 through -10, WG1885662-1, and WG1885662-2: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

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Case Narrative (continued)

L2407483-04RE, -05RE, -07RE, -08RE, -09RE, -10RE, -11RE, -12RE, -13RE, -15RE, -16RE, -17RE, -18RE, -19RE, and -20RE2: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L2407483-04: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (8%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (5%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (3%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-05: The Extracted Internal Standard recoveries were less than 10% for n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (7%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (4%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-07: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (7%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (4%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (3%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-08: The Extracted Internal Standard recoveries were less than 10% for n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (6%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (4%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-09: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (7%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (6%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (4%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-10: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-

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1-octanesulfonamidoacetic acid (d3-nmefosaa) (8%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (4%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (5%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-11: The Extracted Internal Standard recoveries were less than 10% for n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (8%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (3%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-12: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (8%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (5%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (2%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-13: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (2%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (3%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (4%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-15: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (5%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (2%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (1%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-16: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (3%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (2%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (1%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the

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associated target compounds.

L2407483-17: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (4%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (3%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (5%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-18: The Extracted Internal Standard recoveries were less than 10% for n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (7%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (5%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-19: The Extracted Internal Standard recoveries were less than 10% for 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (m2-8:2fts) (9%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (2%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (1%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (1%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407483-20RE2: The sample was re-extracted at lesser volume due to matrix interference in the original and re-extraction. The results of the second re-extraction are reported.

L2407483-20RE2: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (7%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (6%); however, the recoveries were confirmed with the previous extractions.

The WG1884459-2 LCS recovery, associated with L2407483-01 through -19, is above the acceptance criteria for perfluorotridecanoic acid (pftrda) (156%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

The WG1884459-3 MS recovery, performed on L2407483-01, is outside the acceptance criteria for perfluorotridecanoic acid (pftrda) (151%).

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Total Metals

L2407483-02, -08, and -19: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1885618-3 MS recoveries for aluminum (206%) and iron (0%), performed on L2407483-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

Cyanide, Total

The WG1885324-2 LCS recovery for cyanide, total (78%), associated with L2407483-02, -08, and -19, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 02/23/24

ORGANICS

VOLATILES

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02
Client ID: SB-2 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 10:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/14/24 14:19
Analyst: LAC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	1.7	1
1,1-Dichloroethane	ND		ug/kg	0.74	0.11	1
Chloroform	ND		ug/kg	1.1	0.10	1
Carbon tetrachloride	ND		ug/kg	0.74	0.17	1
1,2-Dichloropropane	ND		ug/kg	0.74	0.09	1
Dibromochloromethane	ND		ug/kg	0.74	0.10	1
1,1,2-Trichloroethane	ND		ug/kg	0.74	0.20	1
Tetrachloroethene	ND		ug/kg	0.37	0.14	1
Chlorobenzene	ND		ug/kg	0.37	0.09	1
Trichlorofluoromethane	ND		ug/kg	2.9	0.51	1
1,2-Dichloroethane	ND		ug/kg	0.74	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	0.12	1
Bromodichloromethane	ND		ug/kg	0.37	0.08	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	0.12	1
Bromoform	ND		ug/kg	2.9	0.18	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	0.12	1
Benzene	ND		ug/kg	0.37	0.12	1
Toluene	ND		ug/kg	0.74	0.40	1
Ethylbenzene	ND		ug/kg	0.74	0.10	1
Chloromethane	ND		ug/kg	2.9	0.69	1
Bromomethane	ND		ug/kg	1.5	0.43	1
Vinyl chloride	ND		ug/kg	0.74	0.25	1
Chloroethane	ND		ug/kg	1.5	0.33	1
1,1-Dichloroethene	ND		ug/kg	0.74	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.10	1
Trichloroethene	ND		ug/kg	0.37	0.10	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	0.11	1

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SAMPLE RESULTS

Lab ID: L2407483-02 Date Collected: 02/05/24 10:30

Client ID: SB-2 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.5	0.11	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	0.12	1
Methyl tert butyl ether	ND		ug/kg	1.5	0.15	1
p/m-Xylene	ND		ug/kg	1.5	0.41	1
o-Xylene	ND		ug/kg	0.74	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	0.13	1
Styrene	ND		ug/kg	0.74	0.14	1
Dichlorodifluoromethane	ND		ug/kg	7.4	0.67	1
Acetone	ND		ug/kg	7.4	3.5	1
Carbon disulfide	ND		ug/kg	7.4	3.4	1
2-Butanone	ND		ug/kg	7.4	1.6	1
4-Methyl-2-pentanone	ND		ug/kg	7.4	0.94	1
2-Hexanone	ND		ug/kg	7.4	0.87	1
1,2-Dibromoethane	ND		ug/kg	0.74	0.20	1
n-Butylbenzene	ND		ug/kg	0.74	0.12	1
sec-Butylbenzene	ND		ug/kg	0.74	0.11	1
tert-Butylbenzene	ND		ug/kg	1.5	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	0.74	1
Isopropylbenzene	ND		ug/kg	0.74	0.08	1
p-Isopropyltoluene	ND		ug/kg	0.74	0.08	1
Naphthalene	ND		ug/kg	2.9	0.48	1
n-Propylbenzene	ND		ug/kg	0.74	0.12	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	0.25	1
Methyl Acetate	ND		ug/kg	2.9	0.70	1
Cyclohexane	ND		ug/kg	7.4	0.40	1
Freon-113	ND		ug/kg	2.9	0.51	1
Methyl cyclohexane	ND		ug/kg	2.9	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	100		70-130

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Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08
Client ID: SB-7 (S3)_0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:25
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/14/24 14:45
Analyst: LAC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	1.7	1
1,1-Dichloroethane	ND		ug/kg	0.76	0.11	1
Chloroform	ND		ug/kg	1.1	0.11	1
Carbon tetrachloride	ND		ug/kg	0.76	0.17	1
1,2-Dichloropropane	ND		ug/kg	0.76	0.10	1
Dibromochloromethane	ND		ug/kg	0.76	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.76	0.20	1
Tetrachloroethene	ND		ug/kg	0.38	0.15	1
Chlorobenzene	ND		ug/kg	0.38	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.0	0.53	1
1,2-Dichloroethane	ND		ug/kg	0.76	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	0.13	1
Bromodichloromethane	ND		ug/kg	0.38	0.08	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	0.12	1
Bromoform	ND		ug/kg	3.0	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	0.13	1
Benzene	ND		ug/kg	0.38	0.13	1
Toluene	ND		ug/kg	0.76	0.41	1
Ethylbenzene	ND		ug/kg	0.76	0.11	1
Chloromethane	ND		ug/kg	3.0	0.71	1
Bromomethane	ND		ug/kg	1.5	0.44	1
Vinyl chloride	ND		ug/kg	0.76	0.25	1
Chloroethane	ND		ug/kg	1.5	0.34	1
1,1-Dichloroethene	ND		ug/kg	0.76	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.10	1
Trichloroethene	ND		ug/kg	0.38	0.10	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	0.11	1

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Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08 Date Collected: 02/05/24 13:25

Client ID: SB-7 (S3)_0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.5	0.11	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.5	0.15	1
p/m-Xylene	ND		ug/kg	1.5	0.42	1
o-Xylene	ND		ug/kg	0.76	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	0.76	0.13	1
Styrene	ND		ug/kg	0.76	0.15	1
Dichlorodifluoromethane	ND		ug/kg	7.6	0.69	1
Acetone	ND		ug/kg	7.6	3.6	1
Carbon disulfide	ND		ug/kg	7.6	3.4	1
2-Butanone	ND		ug/kg	7.6	1.7	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	0.97	1
2-Hexanone	ND		ug/kg	7.6	0.90	1
1,2-Dibromoethane	ND		ug/kg	0.76	0.21	1
n-Butylbenzene	ND		ug/kg	0.76	0.13	1
sec-Butylbenzene	ND		ug/kg	0.76	0.11	1
tert-Butylbenzene	ND		ug/kg	1.5	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	0.76	1
Isopropylbenzene	ND		ug/kg	0.76	0.08	1
p-Isopropyltoluene	ND		ug/kg	0.76	0.08	1
Naphthalene	ND		ug/kg	3.0	0.49	1
n-Propylbenzene	ND		ug/kg	0.76	0.13	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	0.25	1
Methyl Acetate	ND		ug/kg	3.0	0.72	1
Cyclohexane	ND		ug/kg	7.6	0.41	1
Freon-113	ND		ug/kg	3.0	0.53	1
Methyl cyclohexane	ND		ug/kg	3.0	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19
Client ID: SB-16 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:24
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/14/24 15:11
Analyst: SLS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.85	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.85	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.85	0.11	1
Dibromochloromethane	ND		ug/kg	0.85	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.85	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.59	1
1,2-Dichloroethane	ND		ug/kg	0.85	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.13	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.85	0.46	1
Ethylbenzene	ND		ug/kg	0.85	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.85	0.29	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	ND		ug/kg	0.85	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19 Date Collected: 02/06/24 11:24

Client ID: SB-16 (S3)-SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.85	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	0.15	1
Styrene	ND		ug/kg	0.85	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.5	0.78	1
Acetone	ND		ug/kg	8.5	4.1	1
Carbon disulfide	ND		ug/kg	8.5	3.9	1
2-Butanone	ND		ug/kg	8.5	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.5	1.1	1
2-Hexanone	ND		ug/kg	8.5	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.85	0.24	1
n-Butylbenzene	ND		ug/kg	0.85	0.14	1
sec-Butylbenzene	ND		ug/kg	0.85	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.85	1
Isopropylbenzene	ND		ug/kg	0.85	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.85	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
n-Propylbenzene	ND		ug/kg	0.85	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
Methyl Acetate	ND		ug/kg	3.4	0.81	1
Cyclohexane	ND		ug/kg	8.5	0.46	1
Freon-113	ND		ug/kg	3.4	0.59	1
Methyl cyclohexane	ND		ug/kg	3.4	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	101		70-130

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/14/24 09:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,08,19 Batch: WG1885068-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/14/24 09:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,08,19 Batch: WG1885068-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	0.20	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/14/24 09:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,08,19 Batch: WG1885068-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1885068-3 WG1885068-4								
Methylene chloride	97		95		70-130	2		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	100		98		70-130	2		30
Carbon tetrachloride	102		101		70-130	1		30
1,2-Dichloropropane	91		88		70-130	3		30
Dibromochloromethane	102		102		70-130	0		30
1,1,2-Trichloroethane	93		91		70-130	2		30
Tetrachloroethene	112		111		70-130	1		30
Chlorobenzene	106		104		70-130	2		30
Trichlorofluoromethane	117		113		70-139	3		30
1,2-Dichloroethane	92		89		70-130	3		30
1,1,1-Trichloroethane	116		113		70-130	3		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	97		95		70-130	2		30
cis-1,3-Dichloropropene	100		97		70-130	3		30
Bromoform	98		101		70-130	3		30
1,1,2,2-Tetrachloroethane	89		87		70-130	2		30
Benzene	104		101		70-130	3		30
Toluene	106		103		70-130	3		30
Ethylbenzene	107		105		70-130	2		30
Chloromethane	89		84		52-130	6		30
Bromomethane	140		129		57-147	8		30
Vinyl chloride	96		93		67-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1885068-3 WG1885068-4								
Chloroethane	108		105		50-151	3		30
1,1-Dichloroethene	115		111		65-135	4		30
trans-1,2-Dichloroethene	110		107		70-130	3		30
Trichloroethene	111		110		70-130	1		30
1,2-Dichlorobenzene	104		104		70-130	0		30
1,3-Dichlorobenzene	108		107		70-130	1		30
1,4-Dichlorobenzene	107		106		70-130	1		30
Methyl tert butyl ether	93		90		66-130	3		30
p/m-Xylene	112		109		70-130	3		30
o-Xylene	107		104		70-130	3		30
cis-1,2-Dichloroethene	104		101		70-130	3		30
Styrene	106		104		70-130	2		30
Dichlorodifluoromethane	87		84		30-146	4		30
Acetone	79		71		54-140	11		30
Carbon disulfide	105		103		59-130	2		30
2-Butanone	72		**67**	Q	70-130	7		30
4-Methyl-2-pentanone	82		79		70-130	4		30
2-Hexanone	77		74		70-130	4		30
1,2-Dibromoethane	101		98		70-130	3		30
n-Butylbenzene	112		110		70-130	2		30
sec-Butylbenzene	112		110		70-130	2		30
tert-Butylbenzene	110		109		70-130	1		30
1,2-Dibromo-3-chloropropane	93		94		68-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1885068-3 WG1885068-4								
Isopropylbenzene	107		107		70-130	0		30
p-Isopropyltoluene	112		111		70-130	1		30
Naphthalene	99		99		70-130	0		30
n-Propylbenzene	107		106		70-130	1		30
1,2,4-Trichlorobenzene	115		114		70-130	1		30
1,3,5-Trimethylbenzene	106		104		70-130	2		30
1,2,4-Trimethylbenzene	104		102		70-130	2		30
Methyl Acetate	75		72		51-146	4		30
Cyclohexane	91		88		59-142	3		30
Freon-113	98		97		50-139	1		30
Methyl cyclohexane	93		91		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		89		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	94		91		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-01
Client ID: SB-1 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 10:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/14/24 21:56
Analyst: SG
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.548	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.548	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.274	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.548	0.058	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.274	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.274	0.066	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.274	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.548	0.197	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.548	0.150	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.274	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.274	0.143	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.274	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.548	0.315	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.548	0.221	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.548	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.548	0.168	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.548	0.107	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.105	J	ng/g	0.548	0.093	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.548	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.548	0.224	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.548	0.059	1
PFOA/PFOS, Total	ND		ng/g	0.274	0.046	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-01 Date Collected: 02/05/24 10:20

Client ID: SB-1 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	76		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	77		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**73**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	72		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**76**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**77**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**71**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	41		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	71		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	39		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	24		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02
Client ID: SB-2 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 10:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/15/24 14:30
Analyst: CMM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/14/24 08:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02 Date Collected: 02/05/24 10:30

Client ID: SB-2 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	25.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02 Date Collected: 02/05/24 10:30

Client ID: SB-2 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	49		30-120
2,4,6-Tribromophenol	51		10-136
4-Terphenyl-d14	39		18-120

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02
Client ID: SB-2 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 10:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/14/24 22:29
Analyst: SG
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.201	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054	1
PFOA/PFOS, Total	ND		ng/g	0.250	0.042	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02 Date Collected: 02/05/24 10:30

Client ID: SB-2 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02
Client ID: SB-2 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 10:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 09:13
Analyst: AC
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-03
Client ID: SB-3 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 12:19
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/14/24 23:02
Analyst: SG
Percent Solids: 82%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.042	J	ng/g	0.563	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.563	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.282	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.563	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.282	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.282	0.068	1
Perfluorooctanoic Acid (PFOA)	0.048	J	ng/g	0.282	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.563	0.202	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.563	0.154	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.282	0.085	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.282	0.146	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.282	0.076	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.563	0.323	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.563	0.227	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.563	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.563	0.172	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.563	0.095	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.563	0.079	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.563	0.230	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.563	0.061	1
PFOA/PFOS, Total	0.048	J	ng/g	0.282	0.047	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-03 Date Collected: 02/05/24 12:19

Client ID: SB-3 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	92		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	96		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-03
Client ID: SB-3 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 12:19
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/24 12:14
Analyst: AC
Percent Solids: 82%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.563	0.110	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	88		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-04
Client ID: SB-4 (S3)_0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 12:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/14/24 23:18
Analyst: SG
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.523	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.523	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.262	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.523	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.262	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.262	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.262	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.523	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.523	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.262	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.262	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.262	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.523	0.300	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.523	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.523	0.160	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.523	0.073	1
PFOA/PFOS, Total	ND		ng/g	0.262	0.044	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-04 Date Collected: 02/05/24 12:30

Client ID: SB-4 (S3)_0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**49**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**51**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**47**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**49**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**45**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**48**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**48**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	27		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**47**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**41**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**38**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	27		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**8**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**38**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**5**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**27**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**3**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-04
Client ID: SB-4 (S3)_0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 12:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 09:19
Analyst: AC
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.523	0.102	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-04 RE
Client ID: SB-4 (S3)_0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 12:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 03:14
Analyst: AC
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.16	0.871	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.16	0.365	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.16	0.884	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.16	0.234	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**25**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**20**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	63		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	45		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-05
Client ID: SB-4 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 12:34
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/14/24 23:35
Analyst: SG
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.517	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.517	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.517	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.517	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.517	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.258	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.517	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.517	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.517	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.517	0.158	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.517	0.072	1
PFOA/PFOS, Total	ND		ng/g	0.258	0.043	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-05 Date Collected: 02/05/24 12:34

Client ID: SB-4 (S3)-SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**51**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**52**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**50**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**50**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**48**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**47**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**50**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	29		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**54**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**44**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**44**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	28		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**12**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**41**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**7**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**32**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**4**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-05
Client ID: SB-4 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 12:34
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 09:25
Analyst: AC
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.517	0.101	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-05 RE
Client ID: SB-4 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 12:34
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 03:31
Analyst: AC
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.20	0.371	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.20	0.898	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.20	0.237	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**13**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	56		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-06
Client ID: SB-5 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 12:42
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/14/24 23:52
Analyst: SG
Percent Solids: 79%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.033	J	ng/g	0.617	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.617	0.057	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.308	0.048	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.617	0.065	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.308	0.056	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.308	0.075	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.308	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.617	0.221	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.617	0.168	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.308	0.093	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.308	0.160	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.308	0.083	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.617	0.354	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.617	0.248	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.617	0.058	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.617	0.189	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.617	0.104	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.617	0.086	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.617	0.252	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.617	0.067	1
PFOA/PFOS, Total	ND		ng/g	0.308	0.052	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-06 Date Collected: 02/05/24 12:42

Client ID: SB-5 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	75		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	27		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-06
Client ID: SB-5 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 12:42
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/23/24 12:20
Analyst: AC
Percent Solids: 79%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.617	0.121	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-07
Client ID: SB-6 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:15
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 00:08
Analyst: SG
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.496	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.496	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.248	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.496	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.248	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.248	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.248	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.738		ng/g	0.496	0.178	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.496	0.135	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.248	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.248	0.129	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.248	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.496	0.285	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.496	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.496	0.152	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.496	0.069	1
PFOA/PFOS, Total	ND		ng/g	0.248	0.042	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-07 Date Collected: 02/05/24 13:15

Client ID: SB-6 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**46**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**47**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**46**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**47**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**44**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**44**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**46**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	27		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**48**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**40**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**40**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	19		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**7**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**36**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**4**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**26**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**3**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-07
Client ID: SB-6 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:15
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 09:31
Analyst: AC
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.496	0.097	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-07 RE
Client ID: SB-6 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:15
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 03:47
Analyst: AC
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.23	0.899	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.23	0.377	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.23	0.912	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.23	0.241	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**17**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**14**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**45**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	32		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08
Client ID: SB-7 (S3)_0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:25
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/15/24 14:49
Analyst: CMM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 02/14/24 08:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08 Date Collected: 02/05/24 13:25

Client ID: SB-7 (S3)_0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	260	54.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08 Date Collected: 02/05/24 13:25

Client ID: SB-7 (S3)_0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	51		10-136
4-Terphenyl-d14	46		18-120

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08
Client ID: SB-7 (S3)_0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:25
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 00:25
Analyst: SG
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.561	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.561	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.280	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.561	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.280	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.280	0.068	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.280	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.800		ng/g	0.561	0.201	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.561	0.153	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.280	0.084	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.280	0.146	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.280	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.561	0.322	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.561	0.226	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.561	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.561	0.172	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.561	0.079	1
PFOA/PFOS, Total	ND		ng/g	0.280	0.047	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08 Date Collected: 02/05/24 13:25

Client ID: SB-7 (S3)_0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**49**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**49**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**47**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**48**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**48**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**45**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**48**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	28		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**48**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**41**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**41**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	24		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**10**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**36**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**6**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**29**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**4**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08
Client ID: SB-7 (S3)_0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:25
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 09:37
Analyst: AC
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.561	0.110	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08 RE
Client ID: SB-7 (S3)_0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:25
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 04:04
Analyst: AC
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.20	0.372	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.20	0.901	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.20	0.238	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**19**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	60		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	49		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-09
Client ID: SB-7 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:29
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 00:41
Analyst: SG
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.498	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.498	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.249	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.498	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.249	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.249	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.249	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.498	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.498	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.249	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.249	0.129	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.249	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.498	0.286	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.498	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.498	0.152	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.498	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.498	0.070	1
PFOA/PFOS, Total	ND		ng/g	0.249	0.042	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-09 Date Collected: 02/05/24 13:29

Client ID: SB-7 (S3)-SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**48**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**48**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**50**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**48**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**45**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**49**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**46**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	30		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**46**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**42**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**41**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	28		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**7**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**39**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**6**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**29**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**4**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-09
Client ID: SB-7 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:29
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 09:43
Analyst: AC
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.498	0.098	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	95		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-09 RE
Client ID: SB-7 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:29
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 04:20
Analyst: AC
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.20	0.886	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.20	0.371	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.20	0.899	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.20	0.237	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**26**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**23**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	65		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	51		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-10
Client ID: SB-8 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:45
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 00:58
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.026	J	ng/g	0.521	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.521	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.260	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.521	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.260	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.260	0.063	1
Perfluorooctanoic Acid (PFOA)	0.061	JF	ng/g	0.260	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.521	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.521	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.260	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.260	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.260	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.521	0.299	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.521	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.521	0.159	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.521	0.073	1
PFOA/PFOS, Total	0.061	J	ng/g	0.260	0.044	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-10 Date Collected: 02/05/24 13:45

Client ID: SB-8 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**47**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**48**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**48**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**47**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**44**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**45**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**45**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	29		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**46**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**41**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**38**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	29		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**8**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**36**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**4**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**28**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**5**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-10
Client ID: SB-8 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:45
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 09:50
Analyst: AC
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.521	0.102	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	93		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-10 RE
Client ID: SB-8 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:45
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 04:56
Analyst: AC
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.09	0.844	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.02	JF	ng/g	2.09	0.354	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.09	0.856	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.09	0.226	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**22**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**20**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**52**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	34		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-11
Client ID: SB-9 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:52
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 01:31
Analyst: SG
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.516	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.516	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.516	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.062	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.516	0.185	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.516	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.258	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.516	0.296	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.214	J	ng/g	0.516	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.516	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.516	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.516	0.101	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.516	0.072	1
PFOA/PFOS, Total	ND		ng/g	0.258	0.043	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-11 Date Collected: 02/05/24 13:52

Client ID: SB-9 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**51**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**51**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**49**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**52**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**47**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**43**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**49**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	30		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**48**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**41**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**39**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	29		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**17**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**38**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**8**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**28**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**3**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-11 RE
Client ID: SB-9 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:52
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 05:13
Analyst: AC
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.22	0.375	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.22	0.908	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.22	0.240	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**30**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-12
Client ID: SB-10 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 14:02
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 01:48
Analyst: SG
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.525	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.525	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.262	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.525	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.262	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.262	0.064	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.262	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	5.75		ng/g	0.525	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.525	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.262	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.262	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.262	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.525	0.301	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.525	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.525	0.161	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.525	0.103	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.525	0.074	1
PFOA/PFOS, Total	ND		ng/g	0.262	0.044	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-12 Date Collected: 02/05/24 14:02

Client ID: SB-10 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**37**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**36**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**34**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**37**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**34**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**32**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**34**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	22		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**33**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**27**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**26**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**16**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**8**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**22**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**5**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**14**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**2**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-12 RE
Client ID: SB-10 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 14:02
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 05:30
Analyst: AC
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.27	0.916	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.27	0.384	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.27	0.930	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.27	0.246	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37		31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	37		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	64		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-13
Client ID: SB-11 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 12:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 02:04
Analyst: SG
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.484	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.484	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.242	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.484	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.242	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.242	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.242	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.08		ng/g	0.484	0.174	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.484	0.132	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.242	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.242	0.126	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.242	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.484	0.278	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.484	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.484	0.148	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.484	0.095	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.484	0.068	1
PFOA/PFOS, Total	ND		ng/g	0.242	0.041	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-13 Date Collected: 02/06/24 12:30

Client ID: SB-11 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**27**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**26**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**27**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**27**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**24**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**27**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**25**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**14**	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**26**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**21**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**20**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**11**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**2**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**19**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	60		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**3**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**16**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**4**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-13 RE
Client ID: SB-11 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 12:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 05:46
Analyst: AC
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.06	0.832	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.06	0.349	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.06	0.844	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.06	0.223	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**24**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**22**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	65		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	58		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-14
Client ID: SB-12 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 14:12
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 02:21
Analyst: SG
Percent Solids: 82%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.579	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.579	0.053	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.289	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.579	0.061	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.289	0.052	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.289	0.070	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.289	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.35		ng/g	0.579	0.208	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.579	0.158	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.289	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.289	0.150	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.289	0.078	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.579	0.332	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.579	0.233	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.579	0.054	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.579	0.177	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.579	0.113	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.579	0.098	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.579	0.081	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.579	0.237	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.579	0.063	1
PFOA/PFOS, Total	ND		ng/g	0.289	0.049	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-14 Date Collected: 02/06/24 14:12

Client ID: SB-12 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	69		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**69**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**65**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**68**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**70**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	45		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**71**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**66**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**63**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	53		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**30**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	64		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**20**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	56		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**18**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-15
Client ID: SB-13 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 10:17
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 02:37
Analyst: SG
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.531	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.531	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.266	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.531	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.266	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.266	0.064	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.266	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.531	0.191	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.531	0.145	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.266	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.266	0.138	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.266	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.531	0.305	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.531	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.531	0.162	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.531	0.104	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.531	0.074	1
PFOA/PFOS, Total	ND		ng/g	0.266	0.045	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-15 Date Collected: 02/06/24 10:17

Client ID: SB-13 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**44**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**43**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**42**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**43**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**40**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**37**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**40**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	26		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**41**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**35**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**33**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	19		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**5**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**29**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	61		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**2**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**19**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**1**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-15 RE
Client ID: SB-13 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 10:17
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 06:03
Analyst: AC
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.29	0.924	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.29	0.387	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.29	0.937	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.29	0.248	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	39		31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	41		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-16
Client ID: SB-14 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 10:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 02:54
Analyst: SG
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.040	J	ng/g	0.492	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.492	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.246	0.038	1
Perfluorohexanoic Acid (PFHxA)	0.097	J	ng/g	0.492	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.246	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	0.315		ng/g	0.246	0.060	1
Perfluorooctanoic Acid (PFOA)	0.092	J	ng/g	0.246	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.47		ng/g	0.492	0.177	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.492	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.246	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	56.5		ng/g	0.246	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.246	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.492	0.283	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.492	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.492	0.151	1
Perfluorooctanesulfonamide (FOSA)	1.17		ng/g	0.492	0.097	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.492	0.069	1
PFOA/PFOS, Total	56.6	J	ng/g	0.246	0.041	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-16 Date Collected: 02/06/24 10:00

Client ID: SB-14 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**33**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**32**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**35**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**33**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**31**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**31**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**31**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**19**	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**30**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**24**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**23**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**14**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**3**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**21**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	49		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**2**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**13**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**1**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-16 RE
Client ID: SB-14 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 10:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 06:19
Analyst: AC
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.18	0.880	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.18	0.369	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.18	0.893	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.18	0.236	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**13**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**13**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	55		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	35		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-17
Client ID: SB-15 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 12:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 03:10
Analyst: SG
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.488	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.488	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.244	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.488	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.244	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.244	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.244	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.649		ng/g	0.488	0.175	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.488	0.133	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.244	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.244	0.127	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.244	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.488	0.280	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.488	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.488	0.149	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.488	0.096	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.488	0.068	1
PFOA/PFOS, Total	ND		ng/g	0.244	0.041	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-17 Date Collected: 02/06/24 12:00

Client ID: SB-15 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**45**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**45**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**48**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**47**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**43**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**46**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**45**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	28		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**44**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**40**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**38**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	19		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**4**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**35**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	78		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**3**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**27**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**5**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-17 RE
Client ID: SB-15 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 12:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 06:36
Analyst: AC
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.07	0.834	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.07	0.350	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.07	0.847	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.07	0.224	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	38		31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	41		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-18
Client ID: SB-16 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 03:27
Analyst: SG
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.520	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.520	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.260	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.520	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.260	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.260	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.260	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.520	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.520	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.260	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.199	J	ng/g	0.260	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.260	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.520	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.520	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.520	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.520	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.520	0.102	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.520	0.073	1
PFOA/PFOS, Total	0.199	J	ng/g	0.260	0.044	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-18 Date Collected: 02/06/24 11:20

Client ID: SB-16 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**46**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**47**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**45**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**47**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**42**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**45**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**45**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	29		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**44**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**38**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**39**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	29		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**12**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**38**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	22		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**7**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**30**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**5**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-18 RE
Client ID: SB-16 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 06:53
Analyst: AC
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.11	0.356	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.11	0.862	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.11	0.228	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	40		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19
Client ID: SB-16 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:24
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/15/24 15:07
Analyst: CMM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/14/24 08:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19 Date Collected: 02/06/24 11:24

Client ID: SB-16 (S3)-SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19 Date Collected: 02/06/24 11:24

Client ID: SB-16 (S3)-SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	52		18-120

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19
Client ID: SB-16 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:24
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/15/24 03:44
Analyst: SG
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.531	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.531	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.265	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.531	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.265	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.265	0.064	1
Perfluorooctanoic Acid (PFOA)	0.050	JF	ng/g	0.265	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.531	0.191	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.531	0.145	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.265	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	0.216	J	ng/g	0.265	0.138	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.265	0.071	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.531	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.531	0.162	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.531	0.104	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.531	0.074	1
PFOA/PFOS, Total	0.266	J	ng/g	0.265	0.045	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19 Date Collected: 02/06/24 11:24

Client ID: SB-16 (S3)-SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**23**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**22**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**23**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**23**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**21**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**21**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**21**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**12**	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**22**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**16**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**17**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**9**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**2**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**14**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	68		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**1**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**10**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**1**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19 RE
Client ID: SB-16 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:24
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 07:09
Analyst: AC
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	2.10	1.20	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.10	0.846	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.10	0.355	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.10	0.859	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.10	0.227	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	59		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**18**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**18**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	57		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	40		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-20 RE2
Client ID: SB-17 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:50
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/24 04:27
Analyst: SG
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 02/18/24 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	3.89	0.177	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	3.89	0.358	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	1.95	0.304	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	3.89	0.409	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	1.95	0.351	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	1.95	0.471	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	1.95	0.326	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	3.89	1.40	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	3.89	1.06	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	1.95	0.584	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	1.95	1.01	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	1.95	0.522	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	3.89	2.23	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.39	J	ng/g	3.89	1.57	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	3.89	0.364	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	3.89	1.19	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	3.89	0.763	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	5.55		ng/g	3.89	0.658	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	3.89	0.545	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	3.89	1.59	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	3.89	0.420	1
PFOA/PFOS, Total	ND		ng/g	1.95	0.326	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-20 RE2 Date Collected: 02/06/24 11:50

Client ID: SB-17 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**37**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**46**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	74		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**48**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**51**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**58**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	39		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**63**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**74**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**59**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	45		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**7**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	65		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**6**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	65		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**20**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/14/24 21:23
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-19 Batch: WG1884459-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/14/24 21:23
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-19 Batch: WG1884459-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**77**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	53		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	82		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 09:00
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/14/24 09:49

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-19 Batch: WG1884459-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/15/24 12:01
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 02/14/24 08:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,08,19 Batch: WG1884989-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/15/24 12:01
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 02/14/24 08:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,08,19 Batch: WG1884989-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/15/24 12:01
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 02/14/24 08:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,08,19 Batch: WG1884989-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	64		18-120

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 00:45
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-05,07-13,15-19 Batch: WG1885662-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 00:45
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-05,07-13,15-19 Batch: WG1885662-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	123		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	109		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	112		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 10:20
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-05,07-13,15-19 Batch: WG1885662-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	107		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/24 03:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/18/24 09:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 20 Batch: WG1886502-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/24 03:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/18/24 09:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 20 Batch: WG1886502-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 06:20
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/18/24 09:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 20 Batch: WG1886502-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	98		10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-19 Batch: WG1884459-2								
Perfluorobutanoic Acid (PFBA)	109		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	108		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	109		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	108		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	108		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	106		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	106		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	105		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	106		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	89		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	112		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	103		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	118		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	99		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	100		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	100		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	104		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	**156**	Q	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	101		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-19 Batch: WG1884459-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	75				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**71**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	53				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	65				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-19		Batch: WG1884459-2					
Perfluorooctanesulfonamide (FOSA)	102		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407483

Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1884989-2 WG1884989-3								
Acenaphthene	64		54		31-137	17		50
Hexachlorobenzene	64		56		40-140	13		50
Bis(2-chloroethyl)ether	62		55		40-140	12		50
2-Chloronaphthalene	71		60		40-140	17		50
3,3'-Dichlorobenzidine	51		**39**	Q	40-140	27		50
2,4-Dinitrotoluene	69		58		40-132	17		50
2,6-Dinitrotoluene	87		73		40-140	18		50
Fluoranthene	71		60		40-140	17		50
4-Chlorophenyl phenyl ether	66		56		40-140	16		50
4-Bromophenyl phenyl ether	67		56		40-140	18		50
Bis(2-chloroisopropyl)ether	65		57		40-140	13		50
Bis(2-chloroethoxy)methane	66		57		40-117	15		50
Hexachlorobutadiene	66		58		40-140	13		50
Hexachlorocyclopentadiene	68		56		40-140	19		50
Hexachloroethane	59		52		40-140	13		50
Isophorone	70		61		40-140	14		50
Naphthalene	65		56		40-140	15		50
Nitrobenzene	70		61		40-140	14		50
NDPA/DPA	70		59		36-157	17		50
n-Nitrosodi-n-propylamine	69		60		32-121	14		50
Bis(2-ethylhexyl)phthalate	77		66		40-140	15		50
Butyl benzyl phthalate	82		70		40-140	16		50
Di-n-butylphthalate	72		62		40-140	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1884989-2 WG1884989-3								
Di-n-octylphthalate	84		71		40-140	17		50
Diethyl phthalate	70		60		40-140	15		50
Dimethyl phthalate	74		63		40-140	16		50
Benzo(a)anthracene	70		61		40-140	14		50
Benzo(a)pyrene	84		71		40-140	17		50
Benzo(b)fluoranthene	74		66		40-140	11		50
Benzo(k)fluoranthene	74		60		40-140	21		50
Chrysene	71		61		40-140	15		50
Acenaphthylene	70		59		40-140	17		50
Anthracene	70		59		40-140	17		50
Benzo(ghi)perylene	64		55		40-140	15		50
Fluorene	67		57		40-140	16		50
Phenanthrene	67		57		40-140	16		50
Dibenzo(a,h)anthracene	67		57		40-140	16		50
Indeno(1,2,3-cd)pyrene	72		61		40-140	17		50
Pyrene	71		61		35-142	15		50
Biphenyl	74		63		37-127	16		50
4-Chloroaniline	**27**	Q	**23**	Q	40-140	16		50
2-Nitroaniline	92		76		47-134	19		50
3-Nitroaniline	44		29		26-129	41		50
4-Nitroaniline	69		58		41-125	17		50
Dibenzofuran	66		57		40-140	15		50
2-Methylnaphthalene	70		58		40-140	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407483

Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1884989-2 WG1884989-3								
1,2,4,5-Tetrachlorobenzene	73		62		40-117	16		50
Acetophenone	75		65		14-144	14		50
2,4,6-Trichlorophenol	87		75		30-130	15		50
p-Chloro-m-cresol	83		69		26-103	18		50
2-Chlorophenol	70		59		25-102	17		50
2,4-Dichlorophenol	78		66		30-130	17		50
2,4-Dimethylphenol	67		57		30-130	16		50
2-Nitrophenol	86		75		30-130	14		50
4-Nitrophenol	76		68		11-114	11		50
2,4-Dinitrophenol	65		75		4-130	14		50
4,6-Dinitro-o-cresol	94		80		10-130	16		50
Pentachlorophenol	81		73		17-109	10		50
Phenol	78		66		26-90	17		50
2-Methylphenol	70		60		30-130.	15		50
3-Methylphenol/4-Methylphenol	70		61		30-130	14		50
2,4,5-Trichlorophenol	84		74		30-130	13		50
Carbazole	72		62		54-128	15		50
Atrazine	76		66		40-140	14		50
Benzaldehyde	63		54		40-140	15		50
Caprolactam	95		81		15-130	16		50
2,3,4,6-Tetrachlorophenol	82		71		40-140	14		50
1,4-Dioxane	44		**37**	Q	40-140	17		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1884989-2 WG1884989-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		59		25-120
Phenol-d6	74		65		10-120
Nitrobenzene-d5	72		60		23-120
2-Fluorobiphenyl	68		58		30-120
2,4,6-Tribromophenol	75		64		10-136
4-Terphenyl-d14	66		58		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407483

Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-13,15-19 Batch: WG1885662-2								
Perfluorobutanoic Acid (PFBA)	102		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	103		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	102		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	100		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	94		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	97		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	92		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	92		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	99		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	92		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	128		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	86		-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	102		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	86		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	71		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-13,15-19 Batch: WG1885662-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	78				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95				61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	110				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-13,15-19 Batch: WG1885662-2								
Perfluorooctanesulfonamide (FOSA)	93		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	101				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407483

Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20 Batch: WG1886502-2								
Perfluorobutanoic Acid (PFBA)	104		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	100		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	106		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	94		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	102		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	109		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	104		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	95		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	106		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	104		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	95		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	113		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	99		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	94		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	129		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	101		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20 Batch: WG1886502-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	104				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	111				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20 Batch: WG1886502-2								
Perfluorooctanesulfonamide (FOSA)	97		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	108				10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-19 QC Batch ID: WG1884459-3 QC Sample: L2407483-01 Client ID: SB-1 (S3)												
Perfluorobutanoic Acid (PFBA)	ND	5.41	5.18	96		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.41	5.13	95		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.8	4.60	96		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	ND	5.41	5.14	95		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.41	5.11	95		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.94	4.25	86		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	5.41	5.08	94		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.15	4.71	92		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.16	5.05	98		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.41	5.16	95		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.02	4.25	85		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.41	5.03	93		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.19	4.49	87		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.41	5.33	99		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.41	4.64	86		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.22	4.52	87		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.41	4.91	91		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.105J	5.41	4.88	88		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.41	4.90	91		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.41	8.19	**151**	Q	-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.41	4.83	89		-	-		69-133	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407483

Report Date: 02/23/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 01-19		QC Batch ID: WG1884459-3			QC Sample: L2407483-01			Client ID: SB-1 (S3)			

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	37				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	47				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**73**	Q			75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	72				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q			78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	65				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	31				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	75				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	65				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**72**	Q			79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	81				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**72**	Q			74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-13,15-19 QC Batch ID: WG1885662-3 QC Sample: L2407484-02 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.045J	5.2	5.23	100		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.2	5.29	102		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.62	4.71	102		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.88	4.44	91		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	0.067JF	5.2	5.58	106		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.9	4.88	100		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.2	5.36	103		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	0.075J	4.76	4.77	99		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.096J	5.2	5.36	101		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.95	5.35	108		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.96	5.15	104		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.2	5.15	99		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	19.7	4.83	25.4	118		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.2	5.04	97		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5	5.50	110		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.01	5.26	105		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.2	4.95	95		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.2	6.43	124		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.03	4.21	84		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.2	6.32	121		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.2	5.38	103		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.2	4.37	84		-	-		66-139	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-13,15-19 QC Batch ID: WG1885662-3 QC Sample: L2407484-02 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	5.2	3.66	70		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	71				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	72				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	69				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**24**	Q			34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	35				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	75				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	60				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**18**	Q			24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	76				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87				58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-13,15-19 QC Batch ID: WG1885662-3 QC Sample: L2407484-02 Client ID: MS Sample												
Perfluorooctanesulfonamide (FOSA)	ND	5.2	5.03	97		-	-		67-137	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92				10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20 QC Batch ID: WG1886502-3 QC Sample: L2407484-24 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.044J	5.84	6.10	104		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.84	5.94	102		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.19	5.52	106		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.48	5.77	105		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	0.064J	5.84	6.10	103		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.5	5.40	98		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.84	6.25	107		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	0.103J	5.34	5.05	93		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.062JF	5.84	6.02	102		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.56	5.84	105		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.57	6.18	111		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.84	6.23	107		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	0.284J	5.42	5.34	93		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.84	6.24	107		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.61	5.99	107		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.62	5.85	104		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.84	6.14	105		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.84	5.67	97		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.64	6.16	109		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.84	5.58	96		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.84	5.88	101		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.84	5.71	98		-	-		69-135	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20 QC Batch ID: WG1886502-3 QC Sample: L2407484-24 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.84	7.52	129		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.84	6.02	103		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	59				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	86				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	85				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84				74-139

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-19 QC Batch ID: WG1884459-4 QC Sample: L2407483-02 Client ID: SB-2 (S3)						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-19 QC Batch ID: WG1884459-4 QC Sample: L2407483-02 Client ID: SB-2 (S3)

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		93		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		94		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		90		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		94		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57		60		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		102		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		81		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		73		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		96		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		74		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		95		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		89		24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-13,15-19 QC Batch ID: WG1885662-4 QC Sample: L2407484-03 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.157J	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-13,15-19 QC Batch ID: WG1885662-4 QC Sample: L2407484-03 Client ID: DUP Sample						
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71		74		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		90		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	82		81		74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	52		58		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		74		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		73		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		88		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	54		58		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		83		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		86		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		66		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**9**	Q	**8**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		80		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**10**	Q	**11**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		74		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		72		24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-05,07-13,15-19 QC Batch ID: WG1885662-4 QC Sample: L2407484-03 Client ID: DUP Sample						
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	96		103		10-117

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20 QC Batch ID: WG1886502-4 QC Sample: L2407484-25 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	0.029J	0.044J	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	0.074J	0.083J	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.256J	0.282	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20 QC Batch ID: WG1886502-4 QC Sample: L2407484-25 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		83		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		87		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		81		74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	54		55		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		77		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84		83		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52		55		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		89		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		82		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	61		69		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53		44		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		85		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		13		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	50		43		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		84		54-150

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 20 QC Batch ID: WG1886502-4 QC Sample: L2407484-25 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	25		**12**	Q	24-159

PCBS

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02
Client ID: SB-2 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 10:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/15/24 18:50
Analyst: AD
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/14/24 23:42
Cleanup Method: EPA 3665A
Cleanup Date: 02/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.4	4.74	1	A
Aroclor 1221	ND		ug/kg	53.4	5.35	1	A
Aroclor 1232	ND		ug/kg	53.4	11.3	1	A
Aroclor 1242	ND		ug/kg	53.4	7.20	1	A
Aroclor 1248	ND		ug/kg	53.4	8.02	1	A
Aroclor 1254	ND		ug/kg	53.4	5.84	1	A
Aroclor 1260	ND		ug/kg	53.4	9.87	1	A
Aroclor 1262	ND		ug/kg	53.4	6.79	1	A
Aroclor 1268	ND		ug/kg	53.4	5.54	1	A
PCBs, Total	ND		ug/kg	53.4	4.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08
Client ID: SB-7 (S3)_0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:25
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/15/24 18:58
Analyst: AD
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 02/14/24 23:42
Cleanup Method: EPA 3665A
Cleanup Date: 02/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.8	5.13	1	A
Aroclor 1221	ND		ug/kg	57.8	5.79	1	A
Aroclor 1232	ND		ug/kg	57.8	12.2	1	A
Aroclor 1242	ND		ug/kg	57.8	7.79	1	A
Aroclor 1248	ND		ug/kg	57.8	8.67	1	A
Aroclor 1254	ND		ug/kg	57.8	6.32	1	A
Aroclor 1260	ND		ug/kg	57.8	10.7	1	A
Aroclor 1262	ND		ug/kg	57.8	7.34	1	A
Aroclor 1268	ND		ug/kg	57.8	5.98	1	A
PCBs, Total	ND		ug/kg	57.8	5.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19
Client ID: SB-16 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:24
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/15/24 19:07
Analyst: AD
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/14/24 23:42
Cleanup Method: EPA 3665A
Cleanup Date: 02/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.3	4.82	1	A
Aroclor 1221	ND		ug/kg	54.3	5.44	1	A
Aroclor 1232	ND		ug/kg	54.3	11.5	1	A
Aroclor 1242	ND		ug/kg	54.3	7.32	1	A
Aroclor 1248	ND		ug/kg	54.3	8.14	1	A
Aroclor 1254	ND		ug/kg	54.3	5.94	1	A
Aroclor 1260	ND		ug/kg	54.3	10.0	1	A
Aroclor 1262	ND		ug/kg	54.3	6.89	1	A
Aroclor 1268	ND		ug/kg	54.3	5.62	1	A
PCBs, Total	ND		ug/kg	54.3	4.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/15/24 09:59
Analyst: MHG

Extraction Method: EPA 3546
Extraction Date: 02/14/24 23:42
Cleanup Method: EPA 3665A
Cleanup Date: 02/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,08,19 Batch: WG1885318-1						
Aroclor 1016	ND		ug/kg	48.4	4.30	A
Aroclor 1221	ND		ug/kg	48.4	4.85	A
Aroclor 1232	ND		ug/kg	48.4	10.3	A
Aroclor 1242	ND		ug/kg	48.4	6.53	A
Aroclor 1248	ND		ug/kg	48.4	7.27	A
Aroclor 1254	ND		ug/kg	48.4	5.30	A
Aroclor 1260	ND		ug/kg	48.4	8.95	A
Aroclor 1262	ND		ug/kg	48.4	6.15	A
Aroclor 1268	ND		ug/kg	48.4	5.02	A
PCBs, Total	ND		ug/kg	48.4	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1885318-2 WG1885318-3									
Aroclor 1016	83		84		40-140	1		50	A
Aroclor 1260	71		72		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		79		30-150	A
Decachlorobiphenyl	85		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		80		30-150	B
Decachlorobiphenyl	84		89		30-150	B

PESTICIDES

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02
Client ID: SB-2 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 10:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/16/24 14:42
Analyst: EJL
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/14/24 21:21
Cleanup Method: EPA 3620B
Cleanup Date: 02/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.344	1	A
Lindane	ND		ug/kg	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.987	1	A
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.768	1	A
Endrin ketone	ND		ug/kg	1.75	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.406	1	A
4,4'-DDD	ND		ug/kg	1.75	0.626	1	A
4,4'-DDT	ND		ug/kg	1.75	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	ND		ug/kg	2.19	0.611	1	A
trans-Chlordane	ND		ug/kg	2.19	0.579	1	A
Chlordane	ND		ug/kg	14.6	5.81	1	A

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02 Date Collected: 02/05/24 10:30

Client ID: SB-2 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08
Client ID: SB-7 (S3)_0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/05/24 13:25
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/16/24 14:54
Analyst: EJL
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 02/14/24 21:21
Cleanup Method: EPA 3620B
Cleanup Date: 02/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.802	0.358	1	A
Alpha-BHC	ND		ug/kg	0.802	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.730	1	A
Heptachlor	ND		ug/kg	0.963	0.432	1	A
Aldrin	ND		ug/kg	1.92	0.678	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.802	0.329	1	A
Endrin aldehyde	ND		ug/kg	2.41	0.842	1	A
Endrin ketone	ND		ug/kg	1.92	0.496	1	A
Dieldrin	ND		ug/kg	1.20	0.602	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	A
4,4'-DDD	ND		ug/kg	1.92	0.687	1	A
4,4'-DDT	ND		ug/kg	1.92	1.55	1	A
Endosulfan I	ND		ug/kg	1.92	0.455	1	A
Endosulfan II	ND		ug/kg	1.92	0.643	1	A
Endosulfan sulfate	ND		ug/kg	0.802	0.382	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
Toxaphene	ND		ug/kg	36.1	10.1	1	A
cis-Chlordane	ND		ug/kg	2.41	0.671	1	A
trans-Chlordane	ND		ug/kg	2.41	0.635	1	A
Chlordane	ND		ug/kg	16.0	6.38	1	A

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08 Date Collected: 02/05/24 13:25

Client ID: SB-7 (S3)_0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19
Client ID: SB-16 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:24
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/16/24 15:05
Analyst: EJL
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/14/24 21:21
Cleanup Method: EPA 3620B
Cleanup Date: 02/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.757	0.338	1	A
Alpha-BHC	ND		ug/kg	0.757	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.689	1	A
Heptachlor	ND		ug/kg	0.908	0.407	1	A
Aldrin	ND		ug/kg	1.82	0.639	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.757	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.794	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	ND		ug/kg	1.14	0.568	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	1.82	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.429	1	A
Endosulfan II	ND		ug/kg	1.82	0.607	1	A
Endosulfan sulfate	ND		ug/kg	0.757	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.53	1	A
cis-Chlordane	ND		ug/kg	2.27	0.633	1	A
trans-Chlordane	ND		ug/kg	2.27	0.599	1	A
Chlordane	ND		ug/kg	15.1	6.02	1	A

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19 Date Collected: 02/06/24 11:24

Client ID: SB-16 (S3)-SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/15/24 09:55
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 02/14/24 21:21
Cleanup Method: EPA 3620B
Cleanup Date: 02/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,08,19 Batch: WG1885306-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.656	0.293	A
Alpha-BHC	ND		ug/kg	0.656	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.597	A
Heptachlor	ND		ug/kg	0.787	0.353	A
Aldrin	ND		ug/kg	1.57	0.554	A
Heptachlor epoxide	ND		ug/kg	2.95	0.886	A
Endrin	ND		ug/kg	0.656	0.269	A
Endrin aldehyde	ND		ug/kg	1.97	0.689	A
Endrin ketone	ND		ug/kg	1.57	0.406	A
Dieldrin	ND		ug/kg	0.984	0.492	A
4,4'-DDE	ND		ug/kg	1.57	0.364	A
4,4'-DDD	ND		ug/kg	1.57	0.562	A
4,4'-DDT	ND		ug/kg	1.57	1.27	A
Endosulfan I	ND		ug/kg	1.57	0.372	A
Endosulfan II	ND		ug/kg	1.57	0.526	A
Endosulfan sulfate	ND		ug/kg	0.656	0.312	A
Methoxychlor	ND		ug/kg	2.95	0.919	A
Toxaphene	ND		ug/kg	29.5	8.27	A
cis-Chlordane	ND		ug/kg	1.97	0.548	A
trans-Chlordane	ND		ug/kg	1.97	0.520	A
Chlordane	ND		ug/kg	13.1	5.22	A

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/15/24 09:55
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 02/14/24 21:21
Cleanup Method: EPA 3620B
Cleanup Date: 02/15/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/15/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,08,19 Batch: WG1885306-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	110		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1885306-2 WG1885306-3									
Delta-BHC	89		88		30-150	1		30	A
Lindane	93		89		30-150	4		30	A
Alpha-BHC	94		90		30-150	4		30	A
Beta-BHC	99		96		30-150	3		30	A
Heptachlor	92		88		30-150	4		30	A
Aldrin	91		89		30-150	2		30	A
Heptachlor epoxide	80		76		30-150	5		30	A
Endrin	99		94		30-150	5		30	A
Endrin aldehyde	95		86		30-150	10		30	A
Endrin ketone	105		98		30-150	7		30	A
Dieldrin	103		99		30-150	4		30	A
4,4'-DDE	94		90		30-150	4		30	A
4,4'-DDD	105		97		30-150	8		30	A
4,4'-DDT	96		91		30-150	5		30	A
Endosulfan I	92		87		30-150	6		30	A
Endosulfan II	98		93		30-150	5		30	A
Endosulfan sulfate	98		92		30-150	6		30	A
Methoxychlor	98		93		30-150	5		30	A
cis-Chlordane	87		82		30-150	6		30	A
trans-Chlordane	96		93		30-150	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1885306-2 WG1885306-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		73		30-150	A
Decachlorobiphenyl	86		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		87		30-150	B
Decachlorobiphenyl	125		117		30-150	B

METALS

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02 Date Collected: 02/05/24 10:30

Client ID: SB-2 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2810		mg/kg	8.71	2.35	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.36	0.331	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Arsenic, Total	1.26		mg/kg	0.871	0.181	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Barium, Total	24.7		mg/kg	0.871	0.152	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.162	J	mg/kg	0.436	0.029	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.10	J	mg/kg	0.871	0.085	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Calcium, Total	28300		mg/kg	8.71	3.05	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Chromium, Total	5.10		mg/kg	0.871	0.084	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Cobalt, Total	2.08		mg/kg	1.74	0.145	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Copper, Total	4.22		mg/kg	0.871	0.225	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Iron, Total	6940		mg/kg	4.36	0.787	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Lead, Total	2.45	J	mg/kg	4.36	0.234	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Magnesium, Total	10600		mg/kg	8.71	1.34	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Manganese, Total	159		mg/kg	0.871	0.138	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.080	0.052	1	02/16/24 00:42	02/16/24 08:52	EPA 7471B	1,7471B	GMG
Nickel, Total	4.44		mg/kg	2.18	0.211	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Potassium, Total	555		mg/kg	218	12.5	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Selenium, Total	0.300	J	mg/kg	1.74	0.225	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.436	0.247	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Sodium, Total	107	J	mg/kg	174	2.74	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.74	0.274	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Vanadium, Total	9.10		mg/kg	0.871	0.177	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL
Zinc, Total	10.3		mg/kg	4.36	0.255	2	02/15/24 23:40	02/16/24 10:00	EPA 3050B	1,6010D	DHL

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08 Date Collected: 02/05/24 13:25

Client ID: SB-7 (S3)_0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4370		mg/kg	9.20	2.48	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Antimony, Total	0.557	J	mg/kg	4.60	0.350	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Arsenic, Total	2.20		mg/kg	0.920	0.191	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Barium, Total	31.6		mg/kg	0.920	0.160	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.243	J	mg/kg	0.460	0.030	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.172	J	mg/kg	0.920	0.090	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Calcium, Total	43100		mg/kg	9.20	3.22	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Chromium, Total	7.91		mg/kg	0.920	0.088	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Cobalt, Total	3.49		mg/kg	1.84	0.153	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Copper, Total	7.46		mg/kg	0.920	0.237	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Iron, Total	10400		mg/kg	4.60	0.831	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Lead, Total	3.86	J	mg/kg	4.60	0.247	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Magnesium, Total	12600		mg/kg	9.20	1.42	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Manganese, Total	336		mg/kg	0.920	0.146	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.078	0.051	1	02/16/24 00:42	02/16/24 09:05	EPA 7471B	1,7471B	GMG
Nickel, Total	8.04		mg/kg	2.30	0.223	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Potassium, Total	696		mg/kg	230	13.2	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Selenium, Total	0.259	J	mg/kg	1.84	0.237	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.460	0.260	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Sodium, Total	99.3	J	mg/kg	184	2.90	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.84	0.290	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Vanadium, Total	12.4		mg/kg	0.920	0.187	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL
Zinc, Total	19.7		mg/kg	4.60	0.270	2	02/15/24 23:40	02/16/24 09:50	EPA 3050B	1,6010D	DHL

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19 Date Collected: 02/06/24 11:24

Client ID: SB-16 (S3)-SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4280		mg/kg	8.68	2.34	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.34	0.330	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Arsenic, Total	0.762	J	mg/kg	0.868	0.180	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Barium, Total	12.7		mg/kg	0.868	0.151	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.178	J	mg/kg	0.434	0.029	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.868	0.085	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Calcium, Total	312		mg/kg	8.68	3.04	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Chromium, Total	3.94		mg/kg	0.868	0.083	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Cobalt, Total	1.62	J	mg/kg	1.74	0.144	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Copper, Total	1.31		mg/kg	0.868	0.224	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Iron, Total	6490		mg/kg	4.34	0.784	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Lead, Total	1.41	J	mg/kg	4.34	0.233	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Magnesium, Total	814		mg/kg	8.68	1.34	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Manganese, Total	89.0		mg/kg	0.868	0.138	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.078	0.051	1	02/16/24 00:42	02/16/24 09:09	EPA 7471B	1,7471B	GMG
Nickel, Total	3.20		mg/kg	2.17	0.210	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Potassium, Total	159	J	mg/kg	217	12.5	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.74	0.224	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.434	0.246	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Sodium, Total	23.6	J	mg/kg	174	2.73	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.74	0.273	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Vanadium, Total	7.36		mg/kg	0.868	0.176	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL
Zinc, Total	7.79		mg/kg	4.34	0.254	2	02/15/24 23:40	02/16/24 09:54	EPA 3050B	1,6010D	DHL

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,08,19 Batch: WG1885618-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Chromium, Total	0.087	J	mg/kg	0.400	0.038	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Iron, Total	1.83	J	mg/kg	2.00	0.361	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Sodium, Total	ND		mg/kg	80.0	1.26	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,08,19 Batch: WG1885620-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/16/24 00:42	02/16/24 08:45	1,7471B	GMG

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,08,19 Batch: WG1885618-2 SRM Lot Number: D122-540								
Aluminum, Total	77		-		52-148	-		
Antimony, Total	158		-		6-194	-		
Arsenic, Total	96		-		81-119	-		
Barium, Total	90		-		83-117	-		
Beryllium, Total	97		-		83-117	-		
Cadmium, Total	94		-		83-117	-		
Calcium, Total	95		-		83-117	-		
Chromium, Total	91		-		82-118	-		
Cobalt, Total	98		-		84-117	-		
Copper, Total	97		-		84-116	-		
Iron, Total	91		-		65-135	-		
Lead, Total	98		-		83-117	-		
Magnesium, Total	89		-		80-120	-		
Manganese, Total	94		-		82-118	-		
Nickel, Total	98		-		83-117	-		
Potassium, Total	91		-		76-123	-		
Selenium, Total	97		-		81-119	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	106		-		75-125	-		
Thallium, Total	99		-		81-119	-		
Vanadium, Total	92		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,08,19 Batch: WG1885618-2 SRM Lot Number: D122-540					
Zinc, Total	94	-	82-119	-	
Total Metals - Mansfield Lab Associated sample(s): 02,08,19 Batch: WG1885620-2 SRM Lot Number: D122-540					
Mercury, Total	86	-	73-127	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,08,19 QC Batch ID: WG1885618-3 QC Sample: L2407483-02 Client ID: SB-2 (S3)												
Aluminum, Total	2810	175	3170	**206**	Q	-	-		75-125	-		20
Antimony, Total	ND	43.7	43.6	100		-	-		75-125	-		20
Arsenic, Total	1.26	10.5	13.0	112		-	-		75-125	-		20
Barium, Total	24.7	175	198	99		-	-		75-125	-		20
Beryllium, Total	0.162J	4.37	4.58	105		-	-		75-125	-		20
Cadmium, Total	0.10J	4.64	4.33	93		-	-		75-125	-		20
Calcium, Total	28300	875	29200	103		-	-		75-125	-		20
Chromium, Total	5.10	17.5	21.4	93		-	-		75-125	-		20
Cobalt, Total	2.08	43.7	41.3	90		-	-		75-125	-		20
Copper, Total	4.22	21.9	26.1	100		-	-		75-125	-		20
Iron, Total	6940	87.5	6840	**0**	Q	-	-		75-125	-		20
Lead, Total	2.45J	46.4	49.8	107		-	-		75-125	-		20
Magnesium, Total	10600	875	11500	103		-	-		75-125	-		20
Manganese, Total	159	43.7	203	100		-	-		75-125	-		20
Nickel, Total	4.44	43.7	43.6	90		-	-		75-125	-		20
Potassium, Total	555	875	1460	103		-	-		75-125	-		20
Selenium, Total	0.300J	10.5	11.9	113		-	-		75-125	-		20
Silver, Total	ND	4.37	4.35	99		-	-		75-125	-		20
Sodium, Total	107J	875	988	113		-	-		75-125	-		20
Thallium, Total	ND	10.5	10.4	99		-	-		75-125	-		20
Vanadium, Total	9.10	43.7	51.5	97		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,08,19 QC Batch ID: WG1885618-3 QC Sample: L2407483-02 Client ID: SB-2 (S3)									
Zinc, Total	10.3	43.7	50.7	92	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02,08,19 QC Batch ID: WG1885620-3 QC Sample: L2407483-02 Client ID: SB-2 (S3)									
Mercury, Total	ND	1.49	1.51	101	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,08,19 QC Batch ID: WG1885618-4 QC Sample: L2407483-02 Client ID: SB-2 (S3)						
Aluminum, Total	2810	2900	mg/kg	3		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	1.26	1.28	mg/kg	2		20
Barium, Total	24.7	24.0	mg/kg	3		20
Beryllium, Total	0.162J	0.163J	mg/kg	NC		20
Cadmium, Total	0.10J	0.116J	mg/kg	NC		20
Calcium, Total	28300	31000	mg/kg	9		20
Chromium, Total	5.10	5.00	mg/kg	2		20
Cobalt, Total	2.08	2.02	mg/kg	3		20
Copper, Total	4.22	4.18	mg/kg	1		20
Iron, Total	6940	7140	mg/kg	3		20
Lead, Total	2.45J	2.41J	mg/kg	NC		20
Magnesium, Total	10600	11800	mg/kg	11		20
Manganese, Total	159	193	mg/kg	19		20
Nickel, Total	4.44	4.26	mg/kg	4		20
Potassium, Total	555	550	mg/kg	1		20
Selenium, Total	0.300J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	107J	110J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407483

Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,08,19 QC Batch ID: WG1885618-4 QC Sample: L2407483-02 Client ID: SB-2 (S3)					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	9.10	9.29	mg/kg	2	20
Zinc, Total	10.3	10.2	mg/kg	1	20
Total Metals - Mansfield Lab Associated sample(s): 02,08,19 QC Batch ID: WG1885620-4 QC Sample: L2407483-02 Client ID: SB-2 (S3)					
Mercury, Total	ND	ND	mg/kg	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-01
Client ID: SB-1 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/05/24 10:20
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	85.6		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-02
Client ID: SB-2 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/05/24 10:30
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	02/13/24 09:48	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/15/24 03:05	02/15/24 19:11	1,9010C/9012B	JER

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-03
Client ID: SB-3 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/05/24 12:19
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	82.0		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-04
Client ID: SB-4 (S3)_0-2'
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/05/24 12:30
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	88.1		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-05
Client ID: SB-4 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/05/24 12:34
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	90.2		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-06
Client ID: SB-5 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/05/24 12:42
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	78.7		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-07
Client ID: SB-6 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/05/24 13:15
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	88.8		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-08
Client ID: SB-7 (S3)_0-2'
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 02/05/24 13:25
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	02/13/24 09:48	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	02/15/24 03:05	02/15/24 19:12	1,9010C/9012B	JER

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-09
Client ID: SB-7 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY
Date Collected: 02/05/24 13:29
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	90.1		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-10
Client ID: SB-8 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/05/24 13:45
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	91.0		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-11
Client ID: SB-9 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/05/24 13:52
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	85.8		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-12
Client ID: SB-10 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/05/24 14:02
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	85.4		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-13
Client ID: SB-11 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 12:30
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	95.9		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-14
Client ID: SB-12 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 14:12
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	82.1		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-15
Client ID: SB-13 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 10:17
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	83.1		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-16
Client ID: SB-14 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 10:00
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	88.1		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-17
Client ID: SB-15 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 12:00
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	92.0		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-18
Client ID: SB-16 (S3) 0-2'
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 02/06/24 11:20
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	86.3		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-19
Client ID: SB-16 (S3)-SOIL/GW
Sample Location: PLATTSBURGH, NY
Date Collected: 02/06/24 11:24
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	02/13/24 09:48	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	02/15/24 03:05	02/15/24 19:13	1,9010C/9012B	JER

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

SAMPLE RESULTS

Lab ID: L2407483-20
Client ID: SB-17 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 11:50
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	93.4		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPOR **Lab Number:** L2407483

Project Number: 508215230 **Report Date:** 02/23/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02,08,19 Batch: WG1885324-1										
Cyanide, Total	ND		mg/kg	0.88	0.19	1	02/15/24 03:05	02/15/24 19:00	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,08,19 Batch: WG1885324-2 WG1885324-3								
Cyanide, Total	**78**	Q	85		80-120	8		35

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,08,19 QC Batch ID: WG1885324-4 WG1885324-5 QC Sample: L2407436-01 Client ID: MS Sample												
Cyanide, Total	9.3	12	18	**74**	Q	20	90		75-125	11		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407483

Report Date: 02/23/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01,03-07,09-12 QC Batch ID: WG1884383-1 QC Sample: L2407473-01 Client ID: DUP Sample						
Solids, Total	86.1	84.8	%	2		10
General Chemistry - Westborough Lab Associated sample(s): 02,08,19 QC Batch ID: WG1884575-1 QC Sample: L2407630-01 Client ID: DUP Sample						
Solids, Total	75.6	74.9	%	1		20
General Chemistry - Mansfield Lab Associated sample(s): 13-18,20 QC Batch ID: WG1884779-1 QC Sample: L2407483-13 Client ID: SB-11 (S3)						
Solids, Total	95.9	96.2	%	0		10

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2407483-01A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-01B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-02A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		TS(7)
L2407483-02B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2407483-02C	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-02D	Vial Large Septa unpreserved (4oz)	B	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2407483-02E	Glass 500ml/16oz unpreserved	B	NA		3.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2407483-02X	Vial MeOH preserved split	B	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2407483-02Y	Vial Water preserved split	B	NA		3.1	Y	Absent	**14-FEB-24 05:17**	NYTCL-8260-R2(14)
L2407483-02Z	Vial Water preserved split	B	NA		3.1	Y	Absent	**14-FEB-24 05:17**	NYTCL-8260-R2(14)
L2407483-03A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-03B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-04A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-04B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-05A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-05B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-06A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-06B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-07A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)

*Values in parentheses indicate holding time in days

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2407483-07B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-08A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		TS(7)
L2407483-08B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2407483-08C	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-08D	Vial Large Septa unpreserved (4oz)	B	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2407483-08E	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2407483-08X	Vial MeOH preserved split	B	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2407483-08Y	Vial Water preserved split	B	NA		3.1	Y	Absent	**14-FEB-24 05:17**	NYTCL-8260-R2(14)
L2407483-08Z	Vial Water preserved split	B	NA		3.1	Y	Absent	**14-FEB-24 05:17**	NYTCL-8260-R2(14)
L2407483-09A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-09B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-10A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-10B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-11A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-11B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-12A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-12B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-13A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-13B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-14A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-14B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-15A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-15B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-16A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-16B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)

*Values in parentheses indicate holding time in days

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407483
Report Date: 02/23/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2407483-17A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-17B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-18A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-18B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-19A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		TS(7)
L2407483-19B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2407483-19C	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407483-19D	Vial Large Septa unpreserved (4oz)	B	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2407483-19E	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2407483-19X	Vial MeOH preserved split	B	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2407483-19Y	Vial Water preserved split	B	NA		3.1	Y	Absent	**14-FEB-24 05:17**	NYTCL-8260-R2(14)
L2407483-19Z	Vial Water preserved split	B	NA		3.1	Y	Absent	**14-FEB-24 05:17**	NYTCL-8260-R2(14)
L2407483-20A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407483-20B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)

*Values in parentheses indicate holding time in days

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407483
Report Date: 02/23/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2407483
Project Number:	508215230	**Report Date:**	02/23/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2407483
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

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Project Number:	508215230	**Report Date:**	02/23/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2407483
Project Number:	508215230	**Report Date:**	02/23/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA

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8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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FAX: 508 822 3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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Date Rec'd in Lab: 2/10/24

ALPHA Job #: L2407483

Client Information
Client: KAS, Inc.
Address: 13 Catawa Ave, Suite 204
Plattsburgh, NY 12901
Phone: 518-563-9445
Fax:
Email: aaron@kas-consulting.com

Project Information
Project Name: Former Clinton County Airport (Stage 3)
Project Location: Plattsburgh, NY
Project #: S08215230
(Use Project name as Project #) ☒
Project Manager: Aaron Roth
ALPHAQuote #: -

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
* Total Solids as needed for analyses

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS-537.1	TCL (No Herbicide)	TAL	Cyanide	Total Bottle	Sample Specific Comments
07483-01	SB-1(S3)	2/5/24	1020	Soil	AP	X					
02	SB-2(S3)		1030			X	X	X	X		
03	SB-3(S3)		1219			X					
04	SB-4(S3)-0-2'		1230			X					
05	SB-4(S3)-Soil/GW		1234			X					
06	SB-5(S3)		1242			X					
07	SB-6(S3)		1315			X					
08	SB-7(S3)-0-2'		1325			X	X	X	X		
09	SB-7(S3)-Soil/GW		1329			X					
10	SB-8(S3)	↓	1345	↓	↓	X					
	Container Type					P	G	G	G		
	Preservative					A	A	A	A		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	2/9/24 1215	B. Lyons	2/9/24 12:15
			2/10/24 0915

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 LIC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 5

Date Rec'd in Lab: 2/10/24

ALPHA Job #: L2407483

Client Information
Client: KAS, Inc.
Address: 13 Latour Ave, Suite 204
Plattsburgh, NY 12901
Phone: 518-563-9445
Fax:
Email: bwyons@kas-consulting.com

Project Information
Project Name: Former Clinton County Airport (Stage 3)
Project Location: Plattsburgh, NY
Project #: 508215230
(Use Project name as Project #): ☒
Project Manager: Aaron Roth
ALPHAQuote #: —

Turn-Around Time
Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
* Total Solids as needed for analyses

Please specify Metals or TAL.

ANALYSIS
PFAS - 537.1 | TCL (No Herbicides) | TAL | Cyanide

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS	TCL	TAL	Cyanide	Sample Specific Comments
07483-01	SB-9(S3)	2/5/24	1352	Soil	AP	X				
12 02	SB-10(S3)	2/5/24	1402			X				
13 03	SB-11(S3)	2/6/24	1230			X				
14 04	SB-12(S3)		1412			X				
15 05	SB-13(S3)		1017			X				
16 06	SB-14(S3)		1000			X				
17 07	SB-15(S3)		1200			X				
18 08	SB-16(S3) 0-2'		1120			X				
19 09	SB-16(S3) Soil/GW		1124			X	X	X	X	
20 10	SB-17(S3)		1150			X				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	P	6	6	6				
Preservative	A	A	A	A				

Relinquished By:	Date/Time	Received By:	Date/Time
	2/9/24 1215	B Lyons	2/9/24 1215
			2/10/24 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2407484
Client:	KAS, Inc. 13 Latour Avenue Suite 204 Plattsurgh, NY 12901
ATTN:	Aaron Roth
Phone:	(518) 563-9445
Project Name:	FORMER CLINTON COUNTY AIRPORT
Project Number:	508215230
Report Date:	02/22/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2407484-01	SB-14D (S3)	SOIL	PLATTSBURGH, NY	02/06/24 10:00	02/09/24
L2407484-02	SB-18 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 11:30	02/09/24
L2407484-03	SB-19 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 13:00	02/09/24
L2407484-04	SB-20 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 14:30	02/09/24
L2407484-05	SB-21 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 13:15	02/09/24
L2407484-06	SB-22 (S3)	SOIL	PLATTSBURGH, NY	02/06/24 14:15	02/09/24
L2407484-07	SB-23 (S3)	SOIL	PLATTSBURGH, NY	02/07/24 10:45	02/09/24
L2407484-08	SB-24 (S3) 0-2'	SOIL	PLATTSBURGH, NY	02/07/24 09:55	02/09/24
L2407484-09	SB-24 (S3) SOIL/GW	SOIL	PLATTSBURGH, NY	02/07/24 09:58	02/09/24
L2407484-10	SB-25 (S3)	SOIL	PLATTSBURGH, NY	02/07/24 10:37	02/09/24
L2407484-11	SB-26 (S3)	SOIL	PLATTSBURGH, NY	02/07/24 10:15	02/09/24
L2407484-12	SB-27 (S3)	SOIL	PLATTSBURGH, NY	02/07/24 11:30	02/09/24
L2407484-13	SB-28 (S3)	SOIL	PLATTSBURGH, NY	02/07/24 11:40	02/09/24
L2407484-14	SB-29 (S3)	SOIL	PLATTSBURGH, NY	02/07/24 12:00	02/09/24
L2407484-15	SB-30 (S3)	SOIL	PLATTSBURGH, NY	02/08/24 09:25	02/09/24
L2407484-16	SB-31 (S3)	SOIL	PLATTSBURGH, NY	02/08/24 13:12	02/09/24
L2407484-17	SB-32 (S3)	SOIL	PLATTSBURGH, NY	02/08/24 12:10	02/09/24
L2407484-18	SB-33 (S3) 0-2'	SOIL	PLATTSBURGH, NY	02/08/24 12:20	02/09/24
L2407484-19	SB-33D (S3) SOIL/GW	SOIL	PLATTSBURGH, NY	02/08/24 12:20	02/09/24
L2407484-20	SB-33 (S3) SOIL/GW	SOIL	PLATTSBURGH, NY	02/08/24 12:23	02/09/24
L2407484-21	SB-34 (S3)	SOIL	PLATTSBURGH, NY	02/08/24 13:35	02/09/24
L2407484-22	SB-35 (S3)	SOIL	PLATTSBURGH, NY	02/08/24 13:30	02/09/24
L2407484-23	SB-36 (S3)	SOIL	PLATTSBURGH, NY	02/08/24 09:55	02/09/24
L2407484-24	SB-37 (S3)	SOIL	PLATTSBURGH, NY	02/08/24 11:00	02/09/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2407484-25	SB-38 (S3)	SOIL	PLATTSBURGH, NY	02/08/24 11:30	02/09/24

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2407484
Project Number:	508215230	**Report Date:**	02/22/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2407484
Project Number:	508215230	**Report Date:**	02/22/24

Case Narrative (continued)

Report Submission

February 22, 2024: This final report includes the results of all requested analyses.

February 18, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Perfluorinated Alkyl Acids by Isotope Dilution

L2407484-01, -02, -03, -04, -05, -06, -07, -08, -09, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21, -22, -23, WG1885662-1/-2/-3/-4, and WG1886059-1/-2/-3/-4: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

L2407484-02, -03, -04, -05, -06, -07, -08RE, -08, -09, -10RE, -10, -11, -14, -15, -16, -21, -21RE, -22, -24, WG1885662-3/-4, WG1886059-3/-4, and WG1886502-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2407484-03: The Extracted Internal Standard recovery was less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (9%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds. The result was confirmed by the batch QC performed on this sample.

L2407484-08: The Extracted Internal Standard recoveries were less than 10% for perfluoro[13c4]butanoic acid (mpfba) (3%), perfluoro[13c5]pentanoic acid (m5pfpea) (3%), perfluoro[1,2,3,4,6-13c5]hexanoic acid (m5pfhxa) (5%), and perfluoro[1,2,3,4-13c4]heptanoic acid (m4pfhpa) (7%); however, the criteria were

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2407484
Project Number:	508215230	**Report Date:**	02/22/24

Case Narrative (continued)

achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407484-10: The Extracted Internal Standard recoveries were less than 10% for perfluoro[13c4]butanoic acid (mpfba) (8%) and perfluoro[13c5]pentanoic acid (m5pfpea) (9%); however, re-extraction at a lower volume achieved a similar result. The results of the re-extraction are reported for the associated target compounds.

L2407484-10: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (4%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (4%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2407484-21: The Extracted Internal Standard recoveries were less than 10% for perfluoro[13c4]butanoic acid (mpfba) (4%), perfluoro[13c5]pentanoic acid (m5pfpea) (4%), perfluoro[1,2,3,4,6-13c5]hexanoic acid (m5pfhxa) (5%), and n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (3%); however, re-extraction at a lower volume achieved a similar result. The results of the re-extraction are reported for the associated target compounds.

L2407484-21: The Extracted Internal Standard recoveries were less than 10% for perfluoro[1,2,3,4-13c4]heptanoic acid (m4pfhpa) (7%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (5%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

WG1886059-3: The Extracted Internal Standard recovery for the WG1886059-3 MS, performed on L2407484-04, is below the acceptance criteria (less than 10%) for perfluoro[1,2,3,4,6-13c5]hexanoic acid (m5pfhxa) (5%), perfluoro[1,2,3,4-13c4]heptanoic acid (m4pfhpa) (7%), perfluoro[13c4]butanoic acid (mpfba) (4%), and perfluoro[13c5]pentanoic acid (m5pfpea) (4%); however, all associated target analytes are within MS criteria; therefore, no further action was taken.

WG1886059-4: The Extracted Internal Standard recovery is less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (9%). The native sample has acceptable surrogate recoveries and the duplicate RPDs are within method criteria.

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2407484
Project Number:	508215230	**Report Date:**	02/22/24

Case Narrative (continued)

Total Metals

L2407484-08 and -18: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 02/22/24

ORGANICS

VOLATILES

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08
Client ID: SB-24 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/14/24 15:37
Analyst: SLS
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08 Date Collected: 02/07/24 09:55

Client ID: SB-24 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	7.9	J	ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	ND		ug/kg	11	0.60	1
Freon-113	ND		ug/kg	4.4	0.77	1
Methyl cyclohexane	ND		ug/kg	4.4	0.67	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18
Client ID: SB-33 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/14/24 16:03
Analyst: SLS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.85	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.85	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.85	0.11	1
Dibromochloromethane	ND		ug/kg	0.85	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.85	0.23	1
Tetrachloroethene	ND		ug/kg	0.42	0.17	1
Chlorobenzene	ND		ug/kg	0.42	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.59	1
1,2-Dichloroethane	ND		ug/kg	0.85	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	0.14	1
Bromodichloromethane	ND		ug/kg	0.42	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	0.13	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	0.14	1
Benzene	ND		ug/kg	0.42	0.14	1
Toluene	ND		ug/kg	0.85	0.46	1
Ethylbenzene	ND		ug/kg	0.85	0.12	1
Chloromethane	ND		ug/kg	3.4	0.79	1
Bromomethane	ND		ug/kg	1.7	0.49	1
Vinyl chloride	ND		ug/kg	0.85	0.28	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	ND		ug/kg	0.85	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1
Trichloroethene	ND		ug/kg	0.42	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18 Date Collected: 02/08/24 12:20

Client ID: SB-33 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.85	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	0.15	1
Styrene	ND		ug/kg	0.85	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.5	0.78	1
Acetone	ND		ug/kg	8.5	4.1	1
Carbon disulfide	ND		ug/kg	8.5	3.9	1
2-Butanone	ND		ug/kg	8.5	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.5	1.1	1
2-Hexanone	ND		ug/kg	8.5	1.0	1
1,2-Dibromoethane	ND		ug/kg	0.85	0.24	1
n-Butylbenzene	ND		ug/kg	0.85	0.14	1
sec-Butylbenzene	ND		ug/kg	0.85	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.85	1
Isopropylbenzene	ND		ug/kg	0.85	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.85	0.09	1
Naphthalene	ND		ug/kg	3.4	0.55	1
n-Propylbenzene	ND		ug/kg	0.85	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
Methyl Acetate	ND		ug/kg	3.4	0.80	1
Cyclohexane	ND		ug/kg	8.5	0.46	1
Freon-113	ND		ug/kg	3.4	0.59	1
Methyl cyclohexane	ND		ug/kg	3.4	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/14/24 09:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08,18 Batch: WG1885068-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/14/24 09:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08,18 Batch: WG1885068-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	0.20	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/14/24 09:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08,18 Batch: WG1885068-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08,18 Batch: WG1885068-3 WG1885068-4								
Methylene chloride	97		95		70-130	2		30
1,1-Dichloroethane	98		95		70-130	3		30
Chloroform	100		98		70-130	2		30
Carbon tetrachloride	102		101		70-130	1		30
1,2-Dichloropropane	91		88		70-130	3		30
Dibromochloromethane	102		102		70-130	0		30
1,1,2-Trichloroethane	93		91		70-130	2		30
Tetrachloroethene	112		111		70-130	1		30
Chlorobenzene	106		104		70-130	2		30
Trichlorofluoromethane	117		113		70-139	3		30
1,2-Dichloroethane	92		89		70-130	3		30
1,1,1-Trichloroethane	116		113		70-130	3		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	97		95		70-130	2		30
cis-1,3-Dichloropropene	100		97		70-130	3		30
Bromoform	98		101		70-130	3		30
1,1,2,2-Tetrachloroethane	89		87		70-130	2		30
Benzene	104		101		70-130	3		30
Toluene	106		103		70-130	3		30
Ethylbenzene	107		105		70-130	2		30
Chloromethane	89		84		52-130	6		30
Bromomethane	140		129		57-147	8		30
Vinyl chloride	96		93		67-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08,18 Batch: WG1885068-3 WG1885068-4								
Chloroethane	108		105		50-151	3		30
1,1-Dichloroethene	115		111		65-135	4		30
trans-1,2-Dichloroethene	110		107		70-130	3		30
Trichloroethene	111		110		70-130	1		30
1,2-Dichlorobenzene	104		104		70-130	0		30
1,3-Dichlorobenzene	108		107		70-130	1		30
1,4-Dichlorobenzene	107		106		70-130	1		30
Methyl tert butyl ether	93		90		66-130	3		30
p/m-Xylene	112		109		70-130	3		30
o-Xylene	107		104		70-130	3		30
cis-1,2-Dichloroethene	104		101		70-130	3		30
Styrene	106		104		70-130	2		30
Dichlorodifluoromethane	87		84		30-146	4		30
Acetone	79		71		54-140	11		30
Carbon disulfide	105		103		59-130	2		30
2-Butanone	72		**67**	Q	70-130	7		30
4-Methyl-2-pentanone	82		79		70-130	4		30
2-Hexanone	77		74		70-130	4		30
1,2-Dibromoethane	101		98		70-130	3		30
n-Butylbenzene	112		110		70-130	2		30
sec-Butylbenzene	112		110		70-130	2		30
tert-Butylbenzene	110		109		70-130	1		30
1,2-Dibromo-3-chloropropane	93		94		68-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08,18 Batch: WG1885068-3 WG1885068-4								
Isopropylbenzene	107		107		70-130	0		30
p-Isopropyltoluene	112		111		70-130	1		30
Naphthalene	99		99		70-130	0		30
n-Propylbenzene	107		106		70-130	1		30
1,2,4-Trichlorobenzene	115		114		70-130	1		30
1,3,5-Trimethylbenzene	106		104		70-130	2		30
1,2,4-Trimethylbenzene	104		102		70-130	2		30
Methyl Acetate	75		72		51-146	4		30
Cyclohexane	91		88		59-142	3		30
Freon-113	98		97		50-139	1		30
Methyl cyclohexane	93		91		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		89		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	94		91		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-01
Client ID: SB-14D (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 10:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/16/24 11:57
Analyst: PS
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.027	J	ng/g	0.564	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.564	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.282	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.564	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.282	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	0.724		ng/g	0.282	0.068	1
Perfluorooctanoic Acid (PFOA)	0.076	J	ng/g	0.282	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.564	0.202	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.564	0.154	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.282	0.085	1
Perfluorooctanesulfonic Acid (PFOS)	27.1		ng/g	0.282	0.146	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.282	0.076	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.564	0.324	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.564	0.227	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.564	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.564	0.172	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.102	J	ng/g	0.564	0.095	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.564	0.079	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.564	0.230	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.564	0.061	1
PFOA/PFOS, Total	27.2	J	ng/g	0.282	0.047	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-01 Date Collected: 02/06/24 10:00

Client ID: SB-14D (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	105		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	83		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	115		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	117		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-01
Client ID: SB-14D (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 10:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 10:14
Analyst: AC
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	0.851		ng/g	0.564	0.110	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	109		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-02
Client ID: SB-18 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 01:18
Analyst: AC
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.045	J	ng/g	0.536	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.536	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.268	0.042	1
Perfluorohexanoic Acid (PFHxA)	0.067	JF	ng/g	0.536	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.268	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	0.075	J	ng/g	0.268	0.065	1
Perfluorooctanoic Acid (PFOA)	0.096	J	ng/g	0.268	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.536	0.192	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.536	0.146	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.268	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	19.7		ng/g	0.268	0.139	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.268	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.536	0.307	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.536	0.216	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.536	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.536	0.164	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.536	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.536	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.536	0.219	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.536	0.058	1
PFOA/PFOS, Total	19.8	J	ng/g	0.268	0.045	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-02 Date Collected: 02/06/24 11:30

Client ID: SB-18 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	74		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	72		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	62		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	81		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	65		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	36		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	74		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**24**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	57		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**23**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-02
Client ID: SB-18 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 11:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 10:33
Analyst: AC
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.536	0.105	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-03
Client ID: SB-19 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 13:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 01:51
Analyst: AC
Percent Solids: 95%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.484	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.484	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.242	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.484	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.242	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.242	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.242	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.484	0.174	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.484	0.132	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.242	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.242	0.126	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.242	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.484	0.278	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.484	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.484	0.148	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.157	J	ng/g	0.484	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.484	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.484	0.198	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.484	0.052	1
PFOA/PFOS, Total	ND		ng/g	0.242	0.041	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-03 Date Collected: 02/06/24 13:00

Client ID: SB-19 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	82		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	54		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**9**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**10**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-03
Client ID: SB-19 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 13:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 10:45
Analyst: AC
Percent Solids: 95%

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.484	0.095	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	96		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-03 RE2
Client ID: SB-19 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 13:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/24 04:43
Analyst: SG
Percent Solids: 95%

Extraction Method: ALPHA 23528
Extraction Date: 02/18/24 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.03	0.818	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	45		31-134

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-04
Client ID: SB-20 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 14:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 15:11
Analyst: SG
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.613	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.613	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.306	0.048	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.613	0.064	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.306	0.055	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.306	0.074	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.306	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.613	0.220	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.613	0.167	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.306	0.092	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.306	0.159	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.306	0.082	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.613	0.352	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.298	J	ng/g	0.613	0.247	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.613	0.057	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.613	0.187	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.277	J	ng/g	0.613	0.104	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.613	0.086	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.613	0.250	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.613	0.066	1
PFOA/PFOS, Total	ND		ng/g	0.306	0.051	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-04 Date Collected: 02/06/24 14:30

Client ID: SB-20 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**10**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**10**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**13**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**15**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**75**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**20**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	49		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**25**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**73**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**28**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	56		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**16**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**35**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**15**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**40**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**22**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-04
Client ID: SB-20 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 14:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 08:05
Analyst: AC
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.613	0.120	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-05
Client ID: SB-21 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 13:15
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 15:44
Analyst: SG
Percent Solids: 74%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.620	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.620	0.057	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.310	0.048	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.620	0.065	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.310	0.056	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.310	0.075	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.310	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.620	0.223	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.620	0.169	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.310	0.093	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.310	0.161	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.310	0.083	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.620	0.356	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.620	0.250	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.620	0.058	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.620	0.190	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.146	J	ng/g	0.620	0.105	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.620	0.087	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.620	0.254	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.620	0.067	1
PFOA/PFOS, Total	ND		ng/g	0.310	0.052	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-05 Date Collected: 02/06/24 13:15

Client ID: SB-21 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**39**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**41**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**73**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**42**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**39**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**75**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**42**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**45**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**77**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**42**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	57		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**12**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**51**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**11**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**49**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**18**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-05
Client ID: SB-21 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 13:15
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 08:17
Analyst: AC
Percent Solids: 74%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.620	0.122	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-06
Client ID: SB-22 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 14:15
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 16:17
Analyst: SG
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.504	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.504	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.252	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.504	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.252	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.252	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.252	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.504	0.181	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.504	0.137	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.252	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.252	0.131	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.252	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.504	0.289	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.504	0.203	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.504	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.504	0.154	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.504	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.504	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.504	0.206	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.504	0.054	1
PFOA/PFOS, Total	ND		ng/g	0.252	0.042	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-06 Date Collected: 02/06/24 14:15

Client ID: SB-22 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**55**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	58		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**73**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**61**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**59**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**67**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**70**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**72**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**67**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	56		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	33		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	72		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**27**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	70		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	25		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-06
Client ID: SB-22 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/06/24 14:15
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 08:29
Analyst: AC
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.504	0.099	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	79		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-07
Client ID: SB-23 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 10:45
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 16:34
Analyst: SG
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.588	0.027	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.588	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.294	0.046	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.588	0.062	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.294	0.053	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.294	0.071	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.294	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.588	0.211	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.588	0.161	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.294	0.088	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.294	0.153	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.294	0.079	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.588	0.338	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.588	0.237	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.588	0.055	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.588	0.180	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.588	0.099	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.588	0.082	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.588	0.241	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.588	0.064	1
PFOA/PFOS, Total	ND		ng/g	0.294	0.049	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-07 Date Collected: 02/07/24 10:45

Client ID: SB-23 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**16**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**18**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**71**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**20**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**21**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**71**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**25**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**30**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**75**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**30**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	57		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**10**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**37**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**11**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**42**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**22**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-07
Client ID: SB-23 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 10:45
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 08:35
Analyst: AC
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.588	0.115	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	85		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08
Client ID: SB-24 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/16/24 05:26
Analyst: IM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 02/15/24 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	52	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08 Date Collected: 02/07/24 09:55

Client ID: SB-24 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	ND		ug/kg	260	52.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08 Date Collected: 02/07/24 09:55

Client ID: SB-24 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	60		18-120

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08
Client ID: SB-24 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 16:50
Analyst: SG
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.272	0.043	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.272	0.066	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.272	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.545	0.196	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.545	0.149	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.272	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.272	0.142	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.272	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.545	0.313	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.545	0.219	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.545	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.545	0.167	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.545	0.092	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.545	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.545	0.223	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.545	0.059	1
PFOA/PFOS, Total	ND		ng/g	0.272	0.046	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08 Date Collected: 02/07/24 09:55

Client ID: SB-24 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**3**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**3**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**70**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**5**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**7**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**70**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**11**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	48		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**18**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**69**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**22**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	52		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**11**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**33**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**11**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**39**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**19**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08
Client ID: SB-24 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 08:42
Analyst: AC
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.545	0.107	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08 RE
Client ID: SB-24 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/24 23:16
Analyst: PS
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	2.15	0.098	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	2.15	0.198	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	2.15	0.226	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	1.07	0.194	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**16**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**21**	Q	58-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**27**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**34**	Q	71-129

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-09
Client ID: SB-24 (S3) SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 09:58
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 17:07
Analyst: SG
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.581	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.581	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.291	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.581	0.061	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.291	0.052	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.291	0.070	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.291	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.581	0.209	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.581	0.159	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.291	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.291	0.151	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.291	0.078	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.581	0.334	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.581	0.234	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.581	0.054	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.581	0.178	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.581	0.098	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.581	0.081	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.581	0.238	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.581	0.063	1
PFOA/PFOS, Total	ND		ng/g	0.291	0.049	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-09 Date Collected: 02/07/24 09:58

Client ID: SB-24 (S3) SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	74		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	77		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	77		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**76**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	81		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**78**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	51		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	49		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-09
Client ID: SB-24 (S3) SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 09:58
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 08:48
Analyst: AC
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.581	0.114	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	82		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-10
Client ID: SB-25 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 10:37
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 17:24
Analyst: SG
Percent Solids: 56%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.430	0.067	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.860	0.090	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.430	0.078	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.430	0.104	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.430	0.072	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.860	0.308	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.860	0.235	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.430	0.129	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.430	0.223	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.430	0.115	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.860	0.493	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.860	0.080	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.860	0.263	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.860	0.120	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.860	0.352	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.860	0.093	1
PFOA/PFOS, Total	ND		ng/g	0.430	0.072	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-10 Date Collected: 02/07/24 10:37

Client ID: SB-25 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**8**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**9**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**72**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**10**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**12**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**72**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**15**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	46		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**19**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**73**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**21**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	51		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**4**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**29**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**4**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**32**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**15**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-10
Client ID: SB-25 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 10:37
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 08:54
Analyst: AC
Percent Solids: 56%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.860	0.168	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-10 RE
Client ID: SB-25 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 10:37
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/24 23:33
Analyst: PS
Percent Solids: 56%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	3.26	0.148	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	3.26	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	3.26	1.31	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	3.26	0.551	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**6**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**8**	Q	58-150
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**12**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**11**	Q	34-137

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-11
Client ID: SB-26 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 10:15
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 17:40
Analyst: SG
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.576	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.576	0.053	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.288	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.576	0.060	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.288	0.052	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.288	0.070	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.288	0.048	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.576	0.207	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.576	0.157	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.288	0.086	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.288	0.150	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.288	0.077	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.576	0.330	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.576	0.232	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.576	0.054	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.576	0.176	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.576	0.097	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.576	0.081	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.576	0.235	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.576	0.062	1
PFOA/PFOS, Total	ND		ng/g	0.288	0.048	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-11 Date Collected: 02/07/24 10:15

Client ID: SB-26 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**30**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**36**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**43**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**46**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**77**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**56**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**63**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**76**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**66**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	61		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	35		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	75		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**33**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	37		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-11
Client ID: SB-26 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 10:15
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 09:00
Analyst: AC
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.576	0.113	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	85		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-12
Client ID: SB-27 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 11:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 17:57
Analyst: SG
Percent Solids: 73%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.667	0.030	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.667	0.061	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.334	0.052	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.667	0.070	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.334	0.060	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.334	0.081	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.334	0.056	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.667	0.239	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.667	0.182	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.334	0.100	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.334	0.173	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.334	0.089	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.667	0.383	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.667	0.269	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.667	0.062	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.667	0.204	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.667	0.113	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.667	0.093	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.667	0.273	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.667	0.072	1
PFOA/PFOS, Total	ND		ng/g	0.334	0.056	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-12 Date Collected: 02/07/24 11:30

Client ID: SB-27 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	76		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	96		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	47		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-12
Client ID: SB-27 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 11:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 09:06
Analyst: AC
Percent Solids: 73%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.667	0.131	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	77		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-13
Client ID: SB-28 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 11:40
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 18:13
Analyst: SG
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.561	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.561	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.280	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.561	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.280	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.280	0.068	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.280	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.561	0.201	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.561	0.153	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.280	0.084	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.280	0.146	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.280	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.561	0.322	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.561	0.226	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.561	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.561	0.172	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.561	0.095	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.561	0.079	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.561	0.229	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.561	0.061	1
PFOA/PFOS, Total	ND		ng/g	0.280	0.047	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-13 Date Collected: 02/07/24 11:40

Client ID: SB-28 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	118		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	38		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-13
Client ID: SB-28 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 11:40
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 09:12
Analyst: AC
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.561	0.110	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	86		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-14
Client ID: SB-29 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 12:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 18:47
Analyst: SG
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.581	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.581	0.053	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.290	0.045	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.581	0.061	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.290	0.052	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.290	0.070	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.290	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.581	0.208	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.581	0.158	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.290	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	0.838		ng/g	0.290	0.151	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.290	0.078	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.581	0.333	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.581	0.234	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.581	0.054	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.581	0.178	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.581	0.098	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.581	0.081	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.581	0.238	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.581	0.063	1
PFOA/PFOS, Total	0.838		ng/g	0.290	0.049	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-14 Date Collected: 02/07/24 12:00

Client ID: SB-29 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	75		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**70**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	53		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	74		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**74**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**70**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	64		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	35		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	41		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	33		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-14
Client ID: SB-29 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 12:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 09:25
Analyst: AC
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.581	0.114	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-15
Client ID: SB-30 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 09:25
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 19:03
Analyst: SG
Percent Solids: 53%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.065	J	ng/g	0.893	0.041	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.893	0.082	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.446	0.070	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.893	0.094	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.446	0.081	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.446	0.108	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.446	0.075	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.893	0.320	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.893	0.244	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.446	0.134	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.446	0.232	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.446	0.120	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.893	0.512	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.893	0.360	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.893	0.084	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.893	0.273	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.893	0.151	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.893	0.125	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.893	0.365	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.893	0.096	1
PFOA/PFOS, Total	ND		ng/g	0.446	0.075	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-15 Date Collected: 02/08/24 09:25

Client ID: SB-30 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	62		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	65		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	67		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**65**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**77**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**72**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**75**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**72**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	59		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	35		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	74		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	36		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	28		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-15
Client ID: SB-30 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 09:25
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 09:31
Analyst: AC
Percent Solids: 53%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.893	0.175	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-16
Client ID: SB-31 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 13:12
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 19:20
Analyst: SG
Percent Solids: 75%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.628	0.029	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.628	0.058	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.314	0.049	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.628	0.066	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.314	0.057	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.314	0.076	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.314	0.053	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.628	0.225	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.628	0.171	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.314	0.094	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.314	0.163	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.314	0.084	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.628	0.360	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.628	0.253	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.628	0.059	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.628	0.192	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.628	0.106	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.628	0.088	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.628	0.257	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.628	0.068	1
PFOA/PFOS, Total	ND		ng/g	0.314	0.053	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-16 Date Collected: 02/08/24 13:12

Client ID: SB-31 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**38**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**42**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**68**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**43**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**40**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**65**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**46**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	47		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**51**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**64**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**51**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	43		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**20**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**55**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**19**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**50**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**18**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-16
Client ID: SB-31 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 13:12
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 09:37
Analyst: AC
Percent Solids: 75%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.628	0.123	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	81		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-17
Client ID: SB-32 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:10
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 19:37
Analyst: SG
Percent Solids: 66%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.721	0.033	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.721	0.066	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.360	0.056	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.721	0.076	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.360	0.065	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.360	0.087	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.360	0.060	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.08		ng/g	0.721	0.259	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.721	0.197	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.360	0.108	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.360	0.187	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.360	0.097	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.721	0.414	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.721	0.290	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.721	0.068	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.721	0.221	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.721	0.122	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.721	0.101	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.721	0.295	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.721	0.078	1
PFOA/PFOS, Total	ND		ng/g	0.360	0.060	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-17 Date Collected: 02/08/24 12:10

Client ID: SB-32 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	71		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-17
Client ID: SB-32 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:10
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 09:43
Analyst: AC
Percent Solids: 66%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.721	0.141	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18
Client ID: SB-33 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/16/24 05:50
Analyst: IM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/15/24 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18 Date Collected: 02/08/24 12:20

Client ID: SB-33 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	240	50.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18 Date Collected: 02/08/24 12:20

Client ID: SB-33 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	60		18-120

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18
Client ID: SB-33 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 19:53
Analyst: SG
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.519	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.519	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.260	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.519	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.260	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.260	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.260	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.46		ng/g	0.519	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.519	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.260	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.260	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.260	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.519	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.519	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.519	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.519	0.159	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.519	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.519	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.519	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.519	0.056	1
PFOA/PFOS, Total	ND		ng/g	0.260	0.044	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18 Date Collected: 02/08/24 12:20

Client ID: SB-33 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	84		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	66		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	57		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18
Client ID: SB-33 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 09:50
Analyst: AC
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.519	0.102	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	85		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-19
Client ID: SB-33D (S3) SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 20:10
Analyst: SG
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.525	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.525	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.263	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.525	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.263	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.263	0.064	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.263	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.35		ng/g	0.525	0.189	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.525	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.263	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.263	0.137	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.263	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.525	0.302	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.525	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.525	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.525	0.161	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.525	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.525	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.525	0.215	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.525	0.057	1
PFOA/PFOS, Total	ND		ng/g	0.263	0.044	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-19 Date Collected: 02/08/24 12:20

Client ID: SB-33D (S3) SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	65		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	104		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-19
Client ID: SB-33D (S3) SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 09:56
Analyst: AC
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.525	0.103	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	86		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-20
Client ID: SB-33 (S3) SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:23
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 20:26
Analyst: SG
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.547	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.547	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.274	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.547	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.274	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.274	0.066	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.274	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.547	0.196	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.547	0.149	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.274	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.274	0.142	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.274	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.547	0.314	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.547	0.220	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.547	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.547	0.167	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.547	0.092	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.547	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.547	0.224	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.547	0.059	1
PFOA/PFOS, Total	ND		ng/g	0.274	0.046	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-20 Date Collected: 02/08/24 12:23

Client ID: SB-33 (S3) SOIL/GW Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	49		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	31		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-20
Client ID: SB-33 (S3) SOIL/GW
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:23
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 10:02
Analyst: AC
Percent Solids: 83%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.547	0.107	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-21
Client ID: SB-34 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 13:35
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 20:43
Analyst: SG
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.285	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.285	0.069	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.285	0.048	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.569	0.204	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.569	0.155	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.285	0.085	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.285	0.148	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.285	0.076	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.569	0.327	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.569	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.569	0.174	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.569	0.080	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.569	0.233	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.569	0.062	1
PFOA/PFOS, Total	ND		ng/g	0.285	0.048	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-21 Date Collected: 02/08/24 13:35

Client ID: SB-34 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**4**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**4**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**68**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**5**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**7**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**73**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**10**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	48		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**15**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**67**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**20**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	49		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**3**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**27**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**5**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**32**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**10**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-21
Client ID: SB-34 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 13:35
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 10:08
Analyst: AC
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.569	0.112	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	85		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-21 RE
Client ID: SB-34 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 13:35
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/24 23:49
Analyst: PS
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	2.32	0.105	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	2.32	0.214	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	2.32	0.244	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	1.16	0.210	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.32	0.936	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.32	0.392	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**4**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**6**	Q	58-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**9**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**15**	Q	71-129
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**7**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**10**	Q	34-137

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-22
Client ID: SB-35 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 13:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 20:59
Analyst: SG
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.592	0.027	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.592	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.296	0.046	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.592	0.062	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.296	0.053	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.296	0.072	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.296	0.050	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.592	0.213	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.592	0.162	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.296	0.089	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.296	0.154	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.296	0.079	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.592	0.340	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.592	0.239	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.592	0.056	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.592	0.181	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.592	0.100	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.592	0.083	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.592	0.242	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.592	0.064	1
PFOA/PFOS, Total	ND		ng/g	0.296	0.050	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-22 Date Collected: 02/08/24 13:30

Client ID: SB-35 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	65		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	68		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**66**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**72**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	53		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	74		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**75**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**70**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	58		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	31		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**25**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**18**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-22
Client ID: SB-35 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 13:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 10:14
Analyst: AC
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.592	0.116	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	82		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-23
Client ID: SB-36 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 21:16
Analyst: SG
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.595	0.027	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.595	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.298	0.046	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.595	0.063	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.298	0.054	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.298	0.072	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.298	0.050	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.595	0.214	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.595	0.162	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.298	0.089	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.298	0.155	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.298	0.080	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.595	0.342	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.595	0.240	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.595	0.056	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.595	0.182	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.595	0.101	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.595	0.083	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.595	0.244	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.595	0.064	1
PFOA/PFOS, Total	ND		ng/g	0.298	0.050	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-23 Date Collected: 02/08/24 09:55

Client ID: SB-36 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	69		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-23
Client ID: SB-36 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 10:20
Analyst: AC
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.595	0.117	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	87		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-24
Client ID: SB-37 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 11:00
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/24 05:00
Analyst: SG
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 02/18/24 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.044	J	ng/g	0.583	0.027	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.583	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.291	0.046	1
Perfluorohexanoic Acid (PFHxA)	0.064	J	ng/g	0.583	0.061	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.291	0.053	1
Perfluorohexanesulfonic Acid (PFHxS)	0.103	J	ng/g	0.291	0.071	1
Perfluorooctanoic Acid (PFOA)	0.062	JF	ng/g	0.291	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.583	0.209	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.583	0.159	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.291	0.087	1
Perfluorooctanesulfonic Acid (PFOS)	0.284	J	ng/g	0.291	0.152	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.291	0.078	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.583	0.334	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.583	0.235	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.583	0.055	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.583	0.178	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.583	0.114	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.583	0.099	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.583	0.082	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.583	0.238	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.583	0.063	1
PFOA/PFOS, Total	0.346	J	ng/g	0.291	0.049	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-24 Date Collected: 02/08/24 11:00

Client ID: SB-37 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	78		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	76		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**78**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	53		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	48		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	46		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**19**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-25
Client ID: SB-38 (S3)
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 11:30
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/24 05:33
Analyst: SG
Percent Solids: 82%

Extraction Method: ALPHA 23528
Extraction Date: 02/18/24 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.029	J	ng/g	0.563	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.563	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.282	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.563	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.282	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.282	0.068	1
Perfluorooctanoic Acid (PFOA)	0.074	J	ng/g	0.282	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.563	0.202	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.563	0.154	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.282	0.085	1
Perfluorooctanesulfonic Acid (PFOS)	0.256	J	ng/g	0.282	0.146	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.282	0.076	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.563	0.323	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.563	0.227	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.563	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.563	0.172	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.563	0.110	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.563	0.095	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.563	0.079	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.563	0.230	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.563	0.061	1
PFOA/PFOS, Total	0.330	J	ng/g	0.282	0.047	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-25 Date Collected: 02/08/24 11:30

Client ID: SB-38 (S3) Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	61		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	50		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	25		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/16/24 10:51
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1885477-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/16/24 10:51
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1885477-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	112		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	119		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	108		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	115		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	116		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	124		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	110		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	90		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	100		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	120		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	105		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	119		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 10:02
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1885477-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	105		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/16/24 01:49
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 02/15/24 12:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08,18 Batch: WG1885573-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/16/24 01:49
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 02/15/24 12:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08,18 Batch: WG1885573-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/16/24 01:49
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 02/15/24 12:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08,18 Batch: WG1885573-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	72		18-120

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 00:45
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-03 Batch: WG1885662-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 00:45
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-03 Batch: WG1885662-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	123		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	110		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	109		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	82		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	112		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/17/24 10:20
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/15/24 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02-03 Batch: WG1885662-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	107		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 14:37
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-23 Batch: WG1886059-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/18/24 14:37
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-23 Batch: WG1886059-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	76		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 07:52
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/16/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04-23 Batch: WG1886059-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/24 03:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/18/24 09:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03,24-25 Batch: WG1886502-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/24 03:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/18/24 09:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03,24-25 Batch: WG1886502-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 06:20
Analyst: AC

Extraction Method: ALPHA 23528
Extraction Date: 02/18/24 09:31

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 03,24-25 Batch: WG1886502-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	98		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/24 22:43
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08,10,21 Batch: WG1887161-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/24 22:43
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08,10,21 Batch: WG1887161-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1885477-2								
Perfluorobutanoic Acid (PFBA)	94		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	93		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	97		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	96		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	85		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	92		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	94		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	93		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	95		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	82		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	97		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	93		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	95		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	86		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	101		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	92		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	90		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	87		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	116		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	91		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1885477-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	114				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	116				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	121				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	125				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	117				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	113				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	109				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	126				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	102				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	128				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	109				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1885477-2								
Perfluorooctanesulfonamide (FOSA)	89		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	106				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407484

Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,18 Batch: WG1885573-2 WG1885573-3								
Acenaphthene	71		79		31-137	11		50
Hexachlorobenzene	77		87		40-140	12		50
Bis(2-chloroethyl)ether	67		70		40-140	4		50
2-Chloronaphthalene	70		76		40-140	8		50
3,3'-Dichlorobenzidine	47		52		40-140	10		50
2,4-Dinitrotoluene	77		86		40-132	11		50
2,6-Dinitrotoluene	76		82		40-140	8		50
Fluoranthene	71		79		40-140	11		50
4-Chlorophenyl phenyl ether	68		76		40-140	11		50
4-Bromophenyl phenyl ether	74		82		40-140	10		50
Bis(2-chloroisopropyl)ether	40		43		40-140	7		50
Bis(2-chloroethoxy)methane	75		78		40-117	4		50
Hexachlorobutadiene	66		70		40-140	6		50
Hexachlorocyclopentadiene	102		111		40-140	8		50
Hexachloroethane	65		68		40-140	5		50
Isophorone	74		77		40-140	4		50
Naphthalene	68		74		40-140	8		50
Nitrobenzene	73		76		40-140	4		50
NDPA/DPA	73		82		36-157	12		50
n-Nitrosodi-n-propylamine	70		76		32-121	8		50
Bis(2-ethylhexyl)phthalate	82		94		40-140	14		50
Butyl benzyl phthalate	82		90		40-140	9		50
Di-n-butylphthalate	80		89		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,18 Batch: WG1885573-2 WG1885573-3								
Di-n-octylphthalate	84		97		40-140	14		50
Diethyl phthalate	77		86		40-140	11		50
Dimethyl phthalate	74		81		40-140	9		50
Benzo(a)anthracene	65		75		40-140	14		50
Benzo(a)pyrene	71		80		40-140	12		50
Benzo(b)fluoranthene	67		75		40-140	11		50
Benzo(k)fluoranthene	71		82		40-140	14		50
Chrysene	66		75		40-140	13		50
Acenaphthylene	74		80		40-140	8		50
Anthracene	73		81		40-140	10		50
Benzo(ghi)perylene	66		78		40-140	17		50
Fluorene	72		80		40-140	11		50
Phenanthrene	70		79		40-140	12		50
Dibenzo(a,h)anthracene	64		77		40-140	18		50
Indeno(1,2,3-cd)pyrene	65		77		40-140	17		50
Pyrene	70		77		35-142	10		50
Biphenyl	76		82		37-127	8		50
4-Chloroaniline	44		56		40-140	24		50
2-Nitroaniline	81		88		47-134	8		50
3-Nitroaniline	53		65		26-129	20		50
4-Nitroaniline	79		88		41-125	11		50
Dibenzofuran	70		77		40-140	10		50
2-Methylnaphthalene	72		79		40-140	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,18 Batch: WG1885573-2 WG1885573-3								
1,2,4,5-Tetrachlorobenzene	68		75		40-117	10		50
Acetophenone	78		81		14-144	4		50
2,4,6-Trichlorophenol	74		80		30-130	8		50
p-Chloro-m-cresol	82		88		26-103	7		50
2-Chlorophenol	74		77		25-102	4		50
2,4-Dichlorophenol	76		81		30-130	6		50
2,4-Dimethylphenol	102		106		30-130	4		50
2-Nitrophenol	76		82		30-130	8		50
4-Nitrophenol	70		80		11-114	13		50
2,4-Dinitrophenol	70		79		4-130	12		50
4,6-Dinitro-o-cresol	72		79		10-130	9		50
Pentachlorophenol	79		87		17-109	10		50
Phenol	76		80		26-90	5		50
2-Methylphenol	82		86		30-130.	5		50
3-Methylphenol/4-Methylphenol	82		88		30-130	7		50
2,4,5-Trichlorophenol	70		78		30-130	11		50
Carbazole	71		79		54-128	11		50
Atrazine	80		82		40-140	2		50
Benzaldehyde	67		72		40-140	7		50
Caprolactam	60		67		15-130	11		50
2,3,4,6-Tetrachlorophenol	74		85		40-140	14		50
1,4-Dioxane	50		48		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,18 Batch: WG1885573-2 WG1885573-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		75		25-120
Phenol-d6	73		78		10-120
Nitrobenzene-d5	67		70		23-120
2-Fluorobiphenyl	64		70		30-120
2,4,6-Tribromophenol	87		97		10-136
4-Terphenyl-d14	67		75		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407484

Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 Batch: WG1885662-2								
Perfluorobutanoic Acid (PFBA)	102		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	103		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	102		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	100		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	94		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	97		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	92		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	92		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	99		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	92		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	128		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	86		-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	102		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	86		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	71		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 Batch: WG1885662-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	78				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	103				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95				61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	110				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 Batch: WG1885662-2								
Perfluorooctanesulfonamide (FOSA)	93		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	101				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-23 Batch: WG1886059-2								
Perfluorobutanoic Acid (PFBA)	107		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	103		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	108		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	107		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	106		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	98		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	104		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	111		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	107		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	107		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	90		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	109		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	101		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	102		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	100		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	106		-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	95		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	99		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	114		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	98		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-23 Batch: WG1886059-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	75				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94				61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-23 Batch: WG1886059-2								
Perfluorooctanesulfonamide (FOSA)	102		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03,24-25 Batch: WG1886502-2								
Perfluorobutanoic Acid (PFBA)	104		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	100		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	106		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	94		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	102		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	109		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	104		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	95		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	106		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	104		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	95		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	113		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	99		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	94		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	129		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	101		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03,24-25 Batch: WG1886502-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	104				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	104				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	111				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03,24-25 Batch: WG1886502-2								
Perfluorooctanesulfonamide (FOSA)	97		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	108				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10,21 Batch: WG1887161-2								
Perfluorobutanoic Acid (PFBA)	97		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	93		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	97		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	98		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	85		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	94		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	95		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	95		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	101		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	87		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	98		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	97		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	95		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	94		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	89		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	92		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	93		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	118		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	93		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10,21 Batch: WG1887161-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83				24-159

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407484

Report Date: 02/22/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1885477-3 QC Sample: L2407532-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	6.16	6.06	98		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	6.16	6.02	98		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.47	5.29	97		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.78	5.43	94		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	6.16	6.06	98		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.8	5.17	89		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	6.16	6.07	99		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.63	4.83	86		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	6.16	5.97	97		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.86	5.37	92		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.88	5.80	99		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	6.16	5.77	94		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.72	5.03	88		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	6.16	5.92	96		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.91	6.02	102		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.93	5.70	96		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	6.16	6.01	98		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	6.16	5.66	92		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.95	6.17	104		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	6.16	5.63	91		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	6.16	5.26	85		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	6.16	5.69	92		-	-		69-135	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1885477-3 QC Sample: L2407532-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	6.16	8.02	130		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	6.16	5.69	92		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	73				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	72				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	98				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	92				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	98				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	59				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407484

Report Date: 02/22/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1885662-3 QC Sample: L2407484-02 Client ID: SB-18 (S3)												
Perfluorobutanoic Acid (PFBA)	0.045J	5.2	5.23	100		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.2	5.29	102		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.62	4.71	102		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	0.067JF	5.2	5.58	106		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.2	5.36	103		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	0.075J	4.76	4.77	99		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.096J	5.2	5.36	101		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.95	5.35	108		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.96	5.15	104		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.2	5.15	99		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	19.7	4.83	25.4	118		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.2	5.04	97		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5	5.50	110		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.2	4.95	95		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.2	6.43	124		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.03	4.21	84		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.2	6.32	121		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.2	5.38	103		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.2	4.37	84		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.2	3.66	70		-	-		69-133	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT ***Lab Number:*** L2407484

Project Number: 508215230 ***Report Date:*** 02/22/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 02-03		QC Batch ID: WG1885662-3			QC Sample: L2407484-02			Client ID: SB-18 (S3)			

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	71				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	69				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**24**	Q			34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	35				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	75				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	60				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**18**	Q			24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	76				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87				58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	87				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1885662-3 QC Sample: L2407484-02 Client ID: SB-18 (S3)												
Perfluorooctanesulfonamide (FOSA)	ND	5.2	5.03	97		-	-		67-137	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92				10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-23 QC Batch ID: WG1886059-3 QC Sample: L2407484-04 Client ID: SB-20 (S3)												
Perfluorobutanoic Acid (PFBA)	ND	6.16	5.02	82		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	6.16	6.43	104		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.47	5.69	104		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	ND	6.16	6.80	110		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	6.16	6.68	108		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.63	5.13	91		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	6.16	6.36	103		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.86	5.93	101		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.87	6.31	107		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	6.16	6.42	104		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.71	5.21	91		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	6.16	6.45	105		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.91	6.09	103		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.298J	6.16	7.31	114		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	6.16	5.78	94		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.95	6.23	105		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.277J	6.16	4.84	74		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	6.16	5.92	96		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	6.16	7.62	124		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	6.16	5.53	90		-	-		69-133	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT ***Lab Number:*** L2407484

Project Number: 508215230 ***Report Date:*** 02/22/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-23 QC Batch ID: WG1886059-3 QC Sample: L2407484-04 Client ID: SB-20 (S3)												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	63				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**14**	Q			34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**12**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**35**	Q			61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**23**	Q			75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**5**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**7**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**77**	Q			78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**45**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	35				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**4**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**4**	Q			58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**77**	Q			79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**11**	Q			75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**17**	Q			72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	80				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-23 QC Batch ID: WG1886059-3 QC Sample: L2407484-04 Client ID: SB-20 (S3)												
Perfluorooctanesulfonamide (FOSA)	ND	6.16	6.36	103		-	-		67-137	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	82				10-117

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407484

Report Date: 02/22/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03,24-25 QC Batch ID: WG1886502-3 QC Sample: L2407484-24 Client ID: SB-37 (S3)												
Perfluorobutanoic Acid (PFBA)	0.044J	5.84	6.10	104		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.84	5.94	102		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.19	5.52	106		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	0.064J	5.84	6.10	103		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.84	6.25	107		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	0.103J	5.34	5.05	93		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.062JF	5.84	6.02	102		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.56	5.84	105		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.57	6.18	111		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.84	6.23	107		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	0.284J	5.42	5.34	93		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.84	6.24	107		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.61	5.99	107		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.84	6.14	105		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.84	5.67	97		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.64	6.16	109		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.84	5.58	96		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.84	5.88	101		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.84	5.71	98		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.84	7.52	129		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.84	6.02	103		-	-		69-133	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT ***Lab Number:*** L2407484

Project Number: 508215230 ***Report Date:*** 02/22/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03,24-25 QC Batch ID: WG1886502-3 QC Sample: L2407484-24 Client ID: SB-37 (S3)												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	86				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	85				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407484

Report Date: 02/22/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10,21 QC Batch ID: WG1887161-3 QC Sample: L2408788-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.273J	6.37	6.52	98		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	0.089J	6.37	6.30	97		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.66	5.83	103		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.98	5.73	96		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	0.086JF	6.37	6.72	104		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	6	5.94	99		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	0.105JF	6.37	6.77	105		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.82	5.48	94		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.278J	6.37	6.36	95		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.07	7.23	119		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	6.08	6.41	105		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	0.405	6.37	7.16	106		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	0.790	5.92	6.24	92		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	0.112J	6.37	6.34	98		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.12	6.54	107		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	6.13	5.66	92		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	6.37	8.36F	131		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	6.37	6.42	101		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	6.16	5.28	86		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	6.37	6.22	98		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	6.37	6.20	97		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	6.37	6.65	104		-	-		66-139	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10,21 QC Batch ID: WG1887161-3 QC Sample: L2408788-01 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	6.37	5.82	91		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	46				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	42				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	43				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**24**	Q			34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**18**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**44**	Q			61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**42**	Q			75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**33**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**35**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**52**	Q			78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**39**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**15**	Q			24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**29**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**30**	Q			58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**51**	Q			79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**41**	Q			75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**44**	Q			72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**57**	Q			74-139

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1885477-4 QC Sample: L2407484-01 Client ID: SB-14D (S3)						
Perfluorobutanoic Acid (PFBA)	0.027J	0.034J	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	0.075J	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	0.724	0.814	ng/g	12		30
Perfluorooctanoic Acid (PFOA)	0.076J	0.080J	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.158J	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	27.1	36.0	ng/g	28		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	0.170J	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.102J	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1885477-4 QC Sample: L2407484-01 Client ID: SB-14D (S3)

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		79		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		87		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115		120		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	105		93		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	118		122		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	83		86		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	115		109		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		111		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		104		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		63		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115		114		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		68		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	117		110		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97		92		24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1885662-4 QC Sample: L2407484-03 Client ID: SB-19 (S3)						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.157J	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1885662-4 QC Sample: L2407484-03 Client ID: SB-19 (S3)

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71		74		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		90		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	82		81		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		74		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		73		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		88		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	54		58		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		83		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		86		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		66		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**9**	Q	**8**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		80		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**10**	Q	**11**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		74		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		72		24-159

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1885662-4 QC Sample: L2407484-03 Client ID: SB-19 (S3)

Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	96		103		10-117

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-23 QC Batch ID: WG1886059-4 QC Sample: L2407484-05 Client ID: SB-21 (S3)						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.146J	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-23 QC Batch ID: WG1886059-4 QC Sample: L2407484-05 Client ID: SB-21 (S3)

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**39**	Q	**27**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**41**	Q	**28**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**73**	Q	76		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**42**	Q	**29**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**39**	Q	**29**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**75**	Q	**76**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**42**	Q	**33**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51		50		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**45**	Q	**36**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**77**	Q	**72**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**42**	Q	**37**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	57		57		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**12**	Q	**9**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**51**	Q	**47**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**11**	Q	**10**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**49**	Q	**51**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**18**	Q	**17**	Q	24-159

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04-23 QC Batch ID: WG1886059-4 QC Sample: L2407484-05 Client ID: SB-21 (S3)

Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC	30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	83		81		10-117

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03,24-25 QC Batch ID: WG1886502-4 QC Sample: L2407484-25 Client ID: SB-38 (S3)						
Perfluorobutanoic Acid (PFBA)	0.029J	0.044J	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	0.074J	0.083J	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.256J	0.282	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 03,24-25 QC Batch ID: WG1886502-4 QC Sample: L2407484-25 Client ID: SB-38 (S3)						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		83		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		87		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		81		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		77		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84		83		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52		55		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		89		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		82		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	61		69		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53		44		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		85		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		13		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	50		43		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		84		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	25		**12**	Q	24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10,21 QC Batch ID: WG1887161-4 QC Sample: L2408788-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.82	5.84	ng/g	**70**	Q	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.315J	0.273J	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10,21 QC Batch ID: WG1887161-4 QC Sample: L2408788-02 Client ID: DUP Sample						
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**20**	Q	**30**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**22**	Q	**34**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	77		**73**	Q	74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	58		55		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**25**	Q	**35**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**30**	Q	**39**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q	**71**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**39**	Q	**47**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	60		63		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**47**	Q	**52**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**72**	Q	**71**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**47**	Q	**52**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		57		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**18**	Q	**24**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**51**	Q	**57**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**13**	Q	**25**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**41**	Q	**52**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**3**	Q	**7**	Q	24-159

PCBS

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08
Client ID: SB-24 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/16/24 08:45
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 02/15/24 21:19
Cleanup Method: EPA 3665A
Cleanup Date: 02/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.4	4.83	1	A
Aroclor 1221	ND		ug/kg	54.4	5.45	1	A
Aroclor 1232	ND		ug/kg	54.4	11.5	1	A
Aroclor 1242	ND		ug/kg	54.4	7.33	1	A
Aroclor 1248	ND		ug/kg	54.4	8.16	1	A
Aroclor 1254	ND		ug/kg	54.4	5.95	1	A
Aroclor 1260	ND		ug/kg	54.4	10.0	1	A
Aroclor 1262	ND		ug/kg	54.4	6.91	1	A
Aroclor 1268	ND		ug/kg	54.4	5.64	1	A
PCBs, Total	ND		ug/kg	54.4	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18
Client ID: SB-33 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 02/16/24 08:58
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/15/24 21:19
Cleanup Method: EPA 3665A
Cleanup Date: 02/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.7	5.04	1	A
Aroclor 1221	ND		ug/kg	56.7	5.68	1	A
Aroclor 1232	ND		ug/kg	56.7	12.0	1	A
Aroclor 1242	ND		ug/kg	56.7	7.65	1	A
Aroclor 1248	ND		ug/kg	56.7	8.51	1	A
Aroclor 1254	ND		ug/kg	56.7	6.21	1	A
Aroclor 1260	ND		ug/kg	56.7	10.5	1	A
Aroclor 1262	ND		ug/kg	56.7	7.20	1	A
Aroclor 1268	ND		ug/kg	56.7	5.88	1	A
PCBs, Total	ND		ug/kg	56.7	5.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/16/24 07:17
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 02/15/24 21:19
Cleanup Method: EPA 3665A
Cleanup Date: 02/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08,18 Batch: WG1885770-1						
Aroclor 1016	ND		ug/kg	48.4	4.30	A
Aroclor 1221	ND		ug/kg	48.4	4.85	A
Aroclor 1232	ND		ug/kg	48.4	10.3	A
Aroclor 1242	ND		ug/kg	48.4	6.52	A
Aroclor 1248	ND		ug/kg	48.4	7.26	A
Aroclor 1260	ND		ug/kg	48.4	8.94	A
Aroclor 1262	ND		ug/kg	48.4	6.15	A
Aroclor 1268	ND		ug/kg	48.4	5.01	A
Aroclor 1254	ND		ug/kg	48.4	5.30	B
PCBs, Total	ND		ug/kg	48.4	4.30	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	110		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08,18 Batch: WG1885770-2 WG1885770-3									
Aroclor 1016	109		112		40-140	3		50	A
Aroclor 1260	96		99		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		110		30-150	A
Decachlorobiphenyl	113		117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		110		30-150	B
Decachlorobiphenyl	118		114		30-150	B

PESTICIDES

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08
Client ID: SB-24 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/07/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/16/24 15:39
Analyst: JAG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 02/15/24 19:07
Cleanup Method: EPA 3620B
Cleanup Date: 02/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.748	0.334	1	A
Alpha-BHC	ND		ug/kg	0.748	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.897	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.748	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.785	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.561	1	A
4,4'-DDE	ND		ug/kg	1.79	0.415	1	A
4,4'-DDD	ND		ug/kg	1.79	0.640	1	A
4,4'-DDT	ND		ug/kg	1.79	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.600	1	A
Endosulfan sulfate	ND		ug/kg	0.748	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.05	1	A
Toxaphene	ND		ug/kg	33.6	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	15.0	5.94	1	A

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08 Date Collected: 02/07/24 09:55

Client ID: SB-24 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	133		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18
Client ID: SB-33 (S3) 0-2'
Sample Location: PLATTSBURGH, NY

Date Collected: 02/08/24 12:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 02/16/24 15:50
Analyst: JAG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/15/24 19:07
Cleanup Method: EPA 3620B
Cleanup Date: 02/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.649	1	A
Heptachlor	ND		ug/kg	0.856	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.963	1	A
Endrin	ND		ug/kg	0.714	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.749	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	ND		ug/kg	1.71	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	0.999	1	A
Toxaphene	ND		ug/kg	32.1	8.99	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	14.3	5.67	1	A

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18 Date Collected: 02/08/24 12:20

Client ID: SB-33 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	147		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/16/24 14:21
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 02/15/24 19:07
Cleanup Method: EPA 3620B
Cleanup Date: 02/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08,18 Batch: WG1885758-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.784	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.882	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.686	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.980	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	1.57	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.524	A
Endosulfan sulfate	ND		ug/kg	0.653	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.23	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	13.1	5.19	A

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/16/24 14:21
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 02/15/24 19:07
Cleanup Method: EPA 3620B
Cleanup Date: 02/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08,18 Batch: WG1885758-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	109		30-150	B
Decachlorobiphenyl	133		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08,18 Batch: WG1885758-2 WG1885758-3									
Delta-BHC	87		94		30-150	8		30	A
Lindane	92		98		30-150	6		30	A
Alpha-BHC	93		99		30-150	6		30	A
Beta-BHC	99		106		30-150	7		30	A
Heptachlor	90		97		30-150	7		30	A
Aldrin	89		95		30-150	7		30	A
Heptachlor epoxide	81		87		30-150	7		30	A
Endrin	92		100		30-150	8		30	A
Endrin aldehyde	84		90		30-150	7		30	A
Endrin ketone	92		102		30-150	10		30	A
Dieldrin	96		104		30-150	8		30	A
4,4'-DDE	87		94		30-150	8		30	A
4,4'-DDD	93		101		30-150	8		30	A
4,4'-DDT	86		93		30-150	8		30	A
Endosulfan I	87		94		30-150	8		30	A
Endosulfan II	90		97		30-150	7		30	A
Endosulfan sulfate	86		96		30-150	11		30	A
Methoxychlor	84		93		30-150	10		30	A
cis-Chlordane	84		89		30-150	6		30	A
trans-Chlordane	80		84		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08,18 Batch: WG1885758-2 WG1885758-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		88		30-150	A
Decachlorobiphenyl	96		102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		114		30-150	B
Decachlorobiphenyl	129		141		30-150	B

METALS

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08 Date Collected: 02/07/24 09:55

Client ID: SB-24 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2710		mg/kg	8.93	2.41	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.46	0.339	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Arsenic, Total	0.965		mg/kg	0.893	0.186	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Barium, Total	15.6		mg/kg	0.893	0.155	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.190	J	mg/kg	0.446	0.030	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.893	0.088	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Calcium, Total	995		mg/kg	8.93	3.13	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Chromium, Total	5.54		mg/kg	0.893	0.086	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Cobalt, Total	1.41	J	mg/kg	1.79	0.148	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Copper, Total	2.29		mg/kg	0.893	0.230	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Iron, Total	7290		mg/kg	4.46	0.806	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Lead, Total	1.34	J	mg/kg	4.46	0.239	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Magnesium, Total	768		mg/kg	8.93	1.38	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Manganese, Total	42.2		mg/kg	0.893	0.142	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/16/24 00:42	02/16/24 10:05	EPA 7471B	1,7471B	GMG
Nickel, Total	3.43		mg/kg	2.23	0.216	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Potassium, Total	274		mg/kg	223	12.9	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.79	0.230	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.446	0.253	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Sodium, Total	31.0	J	mg/kg	179	2.81	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.79	0.281	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Vanadium, Total	9.78		mg/kg	0.893	0.181	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL
Zinc, Total	8.07		mg/kg	4.46	0.262	2	02/15/24 23:40	02/16/24 10:47	EPA 3050B	1,6010D	DHL

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18 Date Collected: 02/08/24 12:20

Client ID: SB-33 (S3) 0-2' Date Received: 02/09/24

Sample Location: PLATTSBURGH, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4180		mg/kg	8.70	2.35	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.35	0.330	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Arsenic, Total	2.50		mg/kg	0.870	0.181	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Barium, Total	32.6		mg/kg	0.870	0.151	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.242	J	mg/kg	0.435	0.029	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.152	J	mg/kg	0.870	0.085	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Calcium, Total	55500		mg/kg	8.70	3.04	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Chromium, Total	7.33		mg/kg	0.870	0.084	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Cobalt, Total	4.65		mg/kg	1.74	0.144	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Copper, Total	8.17		mg/kg	0.870	0.224	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Iron, Total	10200		mg/kg	4.35	0.785	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Lead, Total	3.71	J	mg/kg	4.35	0.233	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Magnesium, Total	11300		mg/kg	8.70	1.34	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Manganese, Total	460		mg/kg	0.870	0.138	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.079	0.051	1	02/16/24 00:42	02/16/24 09:22	EPA 7471B	1,7471B	GMG
Nickel, Total	11.3		mg/kg	2.17	0.210	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Potassium, Total	552		mg/kg	217	12.5	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.74	0.224	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.435	0.246	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Sodium, Total	89.3	J	mg/kg	174	2.74	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.74	0.274	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Vanadium, Total	12.0		mg/kg	0.870	0.176	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL
Zinc, Total	18.7		mg/kg	4.35	0.255	2	02/15/24 23:40	02/16/24 10:51	EPA 3050B	1,6010D	DHL

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08,18 Batch: WG1885618-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Chromium, Total	0.087	J	mg/kg	0.400	0.038	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Iron, Total	1.83	J	mg/kg	2.00	0.361	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Sodium, Total	ND		mg/kg	80.0	1.26	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	02/15/24 23:40	02/16/24 09:44	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08,18 Batch: WG1885620-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/16/24 00:42	02/16/24 08:45	1,7471B	GMG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,18 Batch: WG1885618-2 SRM Lot Number: D122-540								
Aluminum, Total	77		-		52-148	-		
Antimony, Total	158		-		6-194	-		
Arsenic, Total	96		-		81-119	-		
Barium, Total	90		-		83-117	-		
Beryllium, Total	97		-		83-117	-		
Cadmium, Total	94		-		83-117	-		
Calcium, Total	95		-		83-117	-		
Chromium, Total	91		-		82-118	-		
Cobalt, Total	98		-		84-117	-		
Copper, Total	97		-		84-116	-		
Iron, Total	91		-		65-135	-		
Lead, Total	98		-		83-117	-		
Magnesium, Total	89		-		80-120	-		
Manganese, Total	94		-		82-118	-		
Nickel, Total	98		-		83-117	-		
Potassium, Total	91		-		76-123	-		
Selenium, Total	97		-		81-119	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	106		-		75-125	-		
Thallium, Total	99		-		81-119	-		
Vanadium, Total	92		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,18 Batch: WG1885618-2 SRM Lot Number: D122-540					
Zinc, Total	94	-	82-119	-	
Total Metals - Mansfield Lab Associated sample(s): 08,18 Batch: WG1885620-2 SRM Lot Number: D122-540					
Mercury, Total	86	-	73-127	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,18 QC Batch ID: WG1885618-3 QC Sample: L2407483-02 Client ID: MS Sample												
Aluminum, Total	2810	175	3170	**206**	Q	-	-		75-125	-		20
Antimony, Total	ND	43.7	43.6	100		-	-		75-125	-		20
Arsenic, Total	1.26	10.5	13.0	112		-	-		75-125	-		20
Barium, Total	24.7	175	198	99		-	-		75-125	-		20
Beryllium, Total	0.162J	4.37	4.58	105		-	-		75-125	-		20
Cadmium, Total	0.10J	4.64	4.33	93		-	-		75-125	-		20
Calcium, Total	28300	875	29200	103		-	-		75-125	-		20
Chromium, Total	5.10	17.5	21.4	93		-	-		75-125	-		20
Cobalt, Total	2.08	43.7	41.3	90		-	-		75-125	-		20
Copper, Total	4.22	21.9	26.1	100		-	-		75-125	-		20
Iron, Total	6940	87.5	6840	**0**	Q	-	-		75-125	-		20
Lead, Total	2.45J	46.4	49.8	107		-	-		75-125	-		20
Magnesium, Total	10600	875	11500	103		-	-		75-125	-		20
Manganese, Total	159	43.7	203	100		-	-		75-125	-		20
Nickel, Total	4.44	43.7	43.6	90		-	-		75-125	-		20
Potassium, Total	555	875	1460	103		-	-		75-125	-		20
Selenium, Total	0.300J	10.5	11.9	113		-	-		75-125	-		20
Silver, Total	ND	4.37	4.35	99		-	-		75-125	-		20
Sodium, Total	107J	875	988	113		-	-		75-125	-		20
Thallium, Total	ND	10.5	10.4	99		-	-		75-125	-		20
Vanadium, Total	9.10	43.7	51.5	97		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,18 QC Batch ID: WG1885618-3 QC Sample: L2407483-02 Client ID: MS Sample									
Zinc, Total	10.3	43.7	50.7	92	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 08,18 QC Batch ID: WG1885620-3 QC Sample: L2407483-02 Client ID: MS Sample									
Mercury, Total	ND	1.49	1.51	101	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,18 QC Batch ID: WG1885618-4 QC Sample: L2407483-02 Client ID: DUP Sample						
Aluminum, Total	2810	2900	mg/kg	3		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	1.26	1.28	mg/kg	2		20
Barium, Total	24.7	24.0	mg/kg	3		20
Beryllium, Total	0.162J	0.163J	mg/kg	NC		20
Cadmium, Total	0.10J	0.116J	mg/kg	NC		20
Calcium, Total	28300	31000	mg/kg	9		20
Chromium, Total	5.10	5.00	mg/kg	2		20
Cobalt, Total	2.08	2.02	mg/kg	3		20
Copper, Total	4.22	4.18	mg/kg	1		20
Iron, Total	6940	7140	mg/kg	3		20
Lead, Total	2.45J	2.41J	mg/kg	NC		20
Magnesium, Total	10600	11800	mg/kg	11		20
Manganese, Total	159	193	mg/kg	19		20
Nickel, Total	4.44	4.26	mg/kg	4		20
Potassium, Total	555	550	mg/kg	1		20
Selenium, Total	0.300J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	107J	110J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407484

Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,18 QC Batch ID: WG1885618-4 QC Sample: L2407483-02 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	9.10	9.29	mg/kg	2	20
Zinc, Total	10.3	10.2	mg/kg	1	20
Total Metals - Mansfield Lab Associated sample(s): 08,18 QC Batch ID: WG1885620-4 QC Sample: L2407483-02 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-01
Client ID: SB-14D (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 10:00
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	86.1		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-02
Client ID: SB-18 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 11:30
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	84.1		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-03
Client ID: SB-19 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 13:00
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	94.8		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-04
Client ID: SB-20 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 14:30
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	80.4		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-05
Client ID: SB-21 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/06/24 13:15
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	73.6		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-06
Client ID: SB-22 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 02/06/24 14:15
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	93.0		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-07
Client ID: SB-23 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/07/24 10:45
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	83.3		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-08
Client ID: SB-24 (S3) 0-2'
Sample Location: PLATTSBURGH, NY
Date Collected: 02/07/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/kg	1.1	0.24	1	02/14/24 19:20	02/16/24 11:45	1,9010C/9012B	JER
General Chemistry - Mansfield Lab										
Solids, Total	85.4		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-09
Client ID: SB-24 (S3) SOIL/GW
Sample Location: PLATTSBURGH, NY
Date Collected: 02/07/24 09:58
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	84.1		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-10
Client ID: SB-25 (S3)
Sample Location: PLATTSBURGH, NY
Date Collected: 02/07/24 10:37
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	55.8		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-11
Client ID: SB-26 (S3)
Sample Location: PLATTSBURGH, NY
Date Collected: 02/07/24 10:15
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	83.3		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-12
Client ID: SB-27 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/07/24 11:30
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	73.3		%	0.100	0.100	1	-	02/13/24 15:44	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-13
Client ID: SB-28 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/07/24 11:40
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	85.7		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-14
Client ID: SB-29 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/07/24 12:00
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	84.0		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-15
Client ID: SB-30 (S3)
Sample Location: PLATTSBURGH, NY
Date Collected: 02/08/24 09:25
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	52.7		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-16
Client ID: SB-31 (S3)
Sample Location: PLATTSBURGH, NY
Date Collected: 02/08/24 13:12
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	74.8		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-17
Client ID: SB-32 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/08/24 12:10
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	66.2		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-18
Client ID: SB-33 (S3) 0-2'
Sample Location: PLATTSBURGH, NY
Date Collected: 02/08/24 12:20
Date Received: 02/09/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/14/24 19:20	02/16/24 11:46	1,9010C/9012B	JER
General Chemistry - Mansfield Lab										
Solids, Total	87.7		%	0.100	0.100	1	-	02/12/24 17:31	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-19
Client ID: SB-33D (S3) SOIL/GW
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/08/24 12:20
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	87.9		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-20
Client ID: SB-33 (S3) SOIL/GW
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil
Date Collected: 02/08/24 12:23
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	82.9		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-21
Client ID: SB-34 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/08/24 13:35
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	86.1		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-22
Client ID: SB-35 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/08/24 13:30
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	79.6		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-23
Client ID: SB-36 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/08/24 09:55
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	79.6		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-24
Client ID: SB-37 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/08/24 11:00
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	83.9		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

SAMPLE RESULTS

Lab ID: L2407484-25
Client ID: SB-38 (S3)
Sample Location: PLATTSBURGH, NY
Sample Depth:
Matrix: Soil

Date Collected: 02/08/24 11:30
Date Received: 02/09/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	81.8		%	0.100	0.100	1	-	02/13/24 18:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPOR **Lab Number:** L2407484

Project Number: 508215230 **Report Date:** 02/22/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 08,18 Batch: WG1885251-1										
Cyanide, Total	ND		mg/kg	0.89	0.19	1	02/14/24 19:20	02/16/24 11:39	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08,18 Batch: WG1885251-2 WG1885251-3								
Cyanide, Total	95		90		80-120	5		35

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08,18 QC Batch ID: WG1885251-4 WG1885251-5 QC Sample: L2407494-01 Client ID: MS Sample												
Cyanide, Total	ND	14	12	86		14	100		75-125	15		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2407484

Report Date: 02/22/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 08,18 QC Batch ID: WG1884383-1 QC Sample: L2407473-01 Client ID: DUP Sample						
Solids, Total	86.1	84.8	%	2		10
General Chemistry - Mansfield Lab Associated sample(s): 01-07,09-12 QC Batch ID: WG1884779-1 QC Sample: L2407483-13 Client ID: DUP Sample						
Solids, Total	95.9	96.2	%	0		10
General Chemistry - Mansfield Lab Associated sample(s): 13-17,19-25 QC Batch ID: WG1884819-1 QC Sample: L2407066-02 Client ID: DUP Sample						
Solids, Total	89.9	88.9	%	1		10

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2407484-01A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407484-01B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-02A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407484-02B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-03A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407484-03B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-04A	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		A2-TS(7)
L2407484-04B	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-05A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-05B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-06A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-06B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-07A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-07B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-08A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-08B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2407484-08C	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-08D	Vial Large Septa unpreserved (4oz)	A	NA		5.9	Y	Absent		NYTCL-8260-R2(14)
L2407484-08E	Glass 500ml/16oz unpreserved	A	NA		5.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2407484-08X	Vial MeOH preserved split	A	NA		5.9	Y	Absent		NYTCL-8260-R2(14)
L2407484-08Y	Vial Water preserved split	A	NA		5.9	Y	Absent	**14-FEB-24 05:17**	NYTCL-8260-R2(14)
L2407484-08Z	Vial Water preserved split	A	NA		5.9	Y	Absent	**14-FEB-24 05:17**	NYTCL-8260-R2(14)
L2407484-09A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-09B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-10A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-10B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-11A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-11B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-12A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-12B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-13A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-13B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-14A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-14B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-15A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-15B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-16A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-16B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-17A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-17B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-18A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-18B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2407484-18C	Vial Large Septa unpreserved (4oz)	A	NA		5.9	Y	Absent		NYTCL-8260-R2(14)
L2407484-18D	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)

*Values in parentheses indicate holding time in days

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2407484
Report Date: 02/22/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2407484-18E	Glass 500ml/16oz unpreserved	A	NA		5.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2407484-18X	Vial MeOH preserved split	A	NA		5.9	Y	Absent		NYTCL-8260-R2(14)
L2407484-18Y	Vial Water preserved split	A	NA		5.9	Y	Absent	**14-FEB-24 05:17**	NYTCL-8260-R2(14)
L2407484-18Z	Vial Water preserved split	A	NA		5.9	Y	Absent	**14-FEB-24 05:17**	NYTCL-8260-R2(14)
L2407484-19A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-19B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-20A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-20B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-21A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-21B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-22A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-22B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-23A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-23B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-24A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-24B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)
L2407484-25A	Plastic 2oz unpreserved for TS	A	NA		5.9	Y	Absent		A2-TS(7)
L2407484-25B	Plastic 8oz unpreserved	A	NA		5.9	Y	Absent		A2-NY-537-ISOTOPE(90)

*Values in parentheses indicate holding time in days

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2407484
Report Date: 02/22/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: FORMER CLINTON COUNTY AIRPORT
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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508 898 9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 3 of 5

Date Rec'd in Lab: 2/10/24

ALPHA Job #: L2407484

Client Information
Client: KAS, Inc.
Address: 13 Latour Ave. Suite 204 Plattsburgh, NY 12901
Phone: 518-563-9445
Fax:
Email: aaron@kas-consulting.com

Project Information
Project Name: Former Clinton County Airport (Stage 3)
Project Location: Plattsburgh, NY
Project #: 508215230
(Use Project name as Project #) [X]
Project Manager: Aaron Roth
ALPHAQuote #: —

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[X] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[X] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:
* Total Solids on needed for analyses

Please specify Metals or TAL.

ANALYSIS
Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS-537.1	TCL (No Herbicides)	TAL	Cyanide					Total Bottle	Sample Specific Comments
07484-01	SB14D(S3)	2/6/24	1000	Soil	AP	X									
02	SB-18(S3)		1130			X									
03	SB-19(S3)		1300			X									
04	SB-20(S3)		1430			X									
05	SB-21(S3)		1315			X									
06	SB-22(S3)		1415			X									
07	SB-23(S3)	2/7/24	1045			X									
08	SB-24(S3) 0-2'		0955			X	X	X	X						
09	SB-24(S3) Soil/GW		0958			X									
10	SB-25(S3)		1037			X									
	Container Type					P	G	G	G						
	Preservative					A	A	A	A						

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	2/9/24 1215	B. Lyons	2/9/24 1215
			2/10/24 0015

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898 9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 5

Date Rec'd in Lab: 2/10/24

ALPHA Job #: L2407484

Client Information

Client: KAS, Inc.
Address: 13 Latour Ave. Suite 204
Plattsburgh, NY, 12901
Phone: 518-563-9445
Fax:
Email: aaronr@kas-Consulting.com

Project Information

Project Name: Former Clinton County Airport (Stage 3)
Project Location: Plattsburgh, NY
Project #: 508215230
(Use Project name as Project #) ☒
Project Manager: Aaron Roth
ALPHAQuote #: –

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

* Total Solids as needed for analyses

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS - 537.1	TCL (No Herbicides)	TAL	Cyanide					Sample Specific Comments
07484-11	SB-26(S3)	2/7/24	1015	Soil	AP	X								
12	SB-27(S3)		1130			X								
13	SB-28(S3)		1140			X								
14	SB-29(S3)		1200			X								
15	SB-30(S3)	2/8/24	0925			X								
16	SB-31(S3)		1312			X								
17	SB-32(S3)		1210			X								
18	SB-33(S3) 0-2' (AC) 2/9/24		1220			X	X	X	X					
19	SB-33(S3) ~~0-2'~~ Soil/GW		1220			X								
20	SB-33(S3) Soil/GW		1223			X								
	Container Type					P	G	G	G					
	Preservative					A	A	A	A					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	2/9/24 1215	B. Lyons	2/9/24
			2/10/24 0915

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Page 5 of 5

Date Rec'd in Lab: 2/10/24

ALPHA Job #: L2407484

Client Information
Client: KAS, Inc.
Address: 13 Latour Ave, Suite 204
Plattsburgh, NY 12901
Phone: 518-563-9445
Fax:
Email: aaron r@kas-consulting.com

Project Information
Project Name: Former Clinton County Airport (Stage 3)
Project Location: Plattsburgh, NY
Project # 508215230
(Use Project name as Project #) ☒
Project Manager: Aaron Roth
ALPHAQuote #: —

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
* Total Solids as needed for analyses

Please specify Metals or TAL.

ANALYSIS
PFAS - 537.1

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS-537.1	Sample Specific Comments
07484-21	SB-34(S3)	2/8/24	1335	Soil	AP	X	
22	SB-35(S3)	2/8/24	1330	"	"	X	
23	SB-36(S3)	"	955	"	"	X	
24	SB-37(S3)	"	1100	"	"	X	
25	SB-38(S3)	"	1130	"	"	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	P	
Preservative	A	

Relinquished By:	Date/Time	Received By:	Date/Time
	2/9/24 1215	BH Lyons	2/9/24 1215
			2/10/24 0915

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Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2408788
Client:	KAS, Inc. 13 Latour Avenue Suite 204 Plattsurgh, NY 12901
ATTN:	Aaron Roth
Phone:	(518) 563-9445
Project Name:	FORMER CLINTON COUNTY AIRPORT
Project Number:	508215230
Report Date:	02/28/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2408788-01	SS-1	SEDIMENT	FORMER CLINTON COUNTY AIRPORT	02/14/24 09:15	02/16/24
L2408788-02	SS-2	SEDIMENT	FORMER CLINTON COUNTY AIRPORT	02/14/24 09:35	02/16/24
L2408788-03	SS-2D	SEDIMENT	FORMER CLINTON COUNTY AIRPORT	02/14/24 09:40	02/16/24
L2408788-04	SS-3	SEDIMENT	FORMER CLINTON COUNTY AIRPORT	02/14/24 09:50	02/16/24
L2408788-05	SS-4	SEDIMENT	FORMER CLINTON COUNTY AIRPORT	02/14/24 10:15	02/16/24
L2408788-06	SS-5	SEDIMENT	FORMER CLINTON COUNTY AIRPORT	02/14/24 10:35	02/16/24
L2408788-07	SS-6	SEDIMENT	FORMER CLINTON COUNTY AIRPORT	02/14/24 11:00	02/16/24

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2408788
Project Number:	508215230	**Report Date:**	02/28/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2408788
Project Number:	508215230	**Report Date:**	02/28/24

Case Narrative (continued)

Report Submission

February 28, 2024: This final report includes the results of all requested analyses.

February 23, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Perfluorinated Alkyl Acids by Isotope Dilution

L2408788-01 through -04, -06, and -07: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

L2408788-01 through -04, -04RE, -05, -06, -07, -07RE, WG1887161-3, WG1889897-3, WG1887161-4, and WG1889897-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2408788-02: The Extracted Internal Standard recovery is less than 10% for perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (3%); however, the result was confirmed by the batch QC performed on this sample; therefore, re-extraction was not required.

L2408788-04: The Extracted Internal Standard recovery was less than 10% for perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (1%); however, re-extraction at a lower volume achieved a similar result. The results of the re-extraction are reported for the associated target compounds.

L2408788-04RE and -07RE: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L2408788-07: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-

Project Name:	FORMER CLINTON COUNTY AIRPORT	**Lab Number:**	L2408788
Project Number:	508215230	**Report Date:**	02/28/24

Case Narrative (continued)

1-octanesulfonamidoacetic acid (d3-nmefosaa) (7%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (4%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (0%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

The WG1887161-4 Laboratory Duplicate RPD for 1h,1h,2h,2h-perfluorooctanesulfonic acid (6:2fts) (70%), performed on L2408788-02, is outside the acceptance criteria.

The Extracted Internal Standard recovery for the WG1889897-4 Laboratory Duplicate, performed on L2708788-07RE, is less than 10% for perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (4%).

Total Metals

L2408788-02 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

Cyanide, Total

The WG1887269-2/-3 LCS/LCSD recoveries for cyanide, total (75%/77%), associated with L2408788-02 and -03, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 02/28/24

ORGANICS

VOLATILES

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02
Client ID: SS-2
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:35
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 1,8260D
Analytical Date: 02/21/24 14:03
Analyst: LAC
Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.22	1
Benzene	ND		ug/kg	0.68	0.22	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	ND		ug/kg	0.68	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02 Date Collected: 02/14/24 09:35

Client ID: SS-2 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	30		ug/kg	14	6.5	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
2-Hexanone	ND		ug/kg	14	1.6	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	9.2		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
Methyl Acetate	ND		ug/kg	5.4	1.3	1
Cyclohexane	ND		ug/kg	14	0.74	1
Freon-113	ND		ug/kg	5.4	0.94	1
Methyl cyclohexane	ND		ug/kg	5.4	0.82	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03
Client ID: SS-2D
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:40
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 1,8260D
Analytical Date: 02/21/24 14:28
Analyst: LAC
Percent Solids: 57%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	4.6		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03 Date Collected: 02/14/24 09:40

Client ID: SS-2D Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	41		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	10		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	16		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.0	0.96	1
Cyclohexane	ND		ug/kg	10	0.55	1
Freon-113	ND		ug/kg	4.0	0.70	1
Methyl cyclohexane	ND		ug/kg	4.0	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/21/24 11:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1888100-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	1.2	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.66	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/21/24 11:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1888100-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/21/24 11:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1888100-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1888100-3 WG1888100-4								
Methylene chloride	85		82		70-130	4		30
1,1-Dichloroethane	92		89		70-130	3		30
Chloroform	93		92		70-130	1		30
Carbon tetrachloride	91		89		70-130	2		30
1,2-Dichloropropane	91		90		70-130	1		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	96		93		70-130	3		30
Tetrachloroethene	94		91		70-130	3		30
Chlorobenzene	89		88		70-130	1		30
Trichlorofluoromethane	99		97		70-139	2		30
1,2-Dichloroethane	94		92		70-130	2		30
1,1,1-Trichloroethane	100		99		70-130	1		30
Bromodichloromethane	93		91		70-130	2		30
trans-1,3-Dichloropropene	97		94		70-130	3		30
cis-1,3-Dichloropropene	96		95		70-130	1		30
Bromoform	93		91		70-130	2		30
1,1,2,2-Tetrachloroethane	96		93		70-130	3		30
Benzene	84		83		70-130	1		30
Toluene	88		86		70-130	2		30
Ethylbenzene	87		85		70-130	2		30
Chloromethane	95		91		52-130	4		30
Bromomethane	85		82		57-147	4		30
Vinyl chloride	103		99		67-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1888100-3 WG1888100-4								
Chloroethane	87		83		50-151	5		30
1,1-Dichloroethene	91		90		65-135	1		30
trans-1,2-Dichloroethene	95		93		70-130	2		30
Trichloroethene	100		100		70-130	0		30
1,2-Dichlorobenzene	91		90		70-130	1		30
1,3-Dichlorobenzene	91		90		70-130	1		30
1,4-Dichlorobenzene	90		89		70-130	1		30
Methyl tert butyl ether	94		90		66-130	4		30
p/m-Xylene	88		86		70-130	2		30
o-Xylene	87		85		70-130	2		30
cis-1,2-Dichloroethene	94		91		70-130	3		30
Styrene	94		92		70-130	2		30
Dichlorodifluoromethane	109		106		30-146	3		30
Acetone	98		94		54-140	4		30
Carbon disulfide	94		89		59-130	5		30
2-Butanone	101		95		70-130	6		30
4-Methyl-2-pentanone	85		81		70-130	5		30
2-Hexanone	86		81		70-130	6		30
1,2-Dibromoethane	92		90		70-130	2		30
n-Butylbenzene	98		95		70-130	3		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		91		70-130	2		30
1,2-Dibromo-3-chloropropane	90		86		68-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1888100-3 WG1888100-4								
Isopropylbenzene	94		92		70-130	2		30
p-Isopropyltoluene	95		94		70-130	1		30
Naphthalene	88		84		70-130	5		30
n-Propylbenzene	93		91		70-130	2		30
1,2,4-Trichlorobenzene	97		95		70-130	2		30
1,3,5-Trimethylbenzene	91		89		70-130	2		30
1,2,4-Trimethylbenzene	87		84		70-130	4		30
Methyl Acetate	91		85		51-146	7		30
Cyclohexane	95		93		59-142	2		30
Freon-113	95		92		50-139	3		30
Methyl cyclohexane	94		93		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		97		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	101		100		70-130

SEMIVOLATILES

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-01
Client ID: SS-1
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:15
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/24 00:06
Analyst: PS
Percent Solids: 72%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.273	J	ng/g	0.671	0.031	1
Perfluoropentanoic Acid (PFPeA)	0.089	J	ng/g	0.671	0.062	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.336	0.052	1
Perfluorohexanoic Acid (PFHxA)	0.086	JF	ng/g	0.671	0.071	1
Perfluoroheptanoic Acid (PFHpA)	0.105	JF	ng/g	0.336	0.061	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.336	0.081	1
Perfluorooctanoic Acid (PFOA)	0.278	J	ng/g	0.336	0.056	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.671	0.241	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.671	0.183	1
Perfluorononanoic Acid (PFNA)	0.405		ng/g	0.336	0.101	1
Perfluorooctanesulfonic Acid (PFOS)	0.790		ng/g	0.336	0.174	1
Perfluorodecanoic Acid (PFDA)	0.112	J	ng/g	0.336	0.090	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.671	0.385	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.671	0.270	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.671	0.063	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.671	0.205	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.671	0.113	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.671	0.094	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.671	0.274	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.671	0.073	1
PFOA/PFOS, Total	1.07	J	ng/g	0.336	0.056	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-01 Date Collected: 02/14/24 09:15

Client ID: SS-1 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**17**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**23**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**62**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**26**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**32**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**59**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**40**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**42**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**58**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**43**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**25**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**45**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	40		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**38**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**18**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT
Lab Number: L2408788
Project Number: 508215230
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-01
Client ID: SS-1
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:15
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/26/24 14:57
Analyst: PS
Percent Solids: 72%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.671	0.132	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	85		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02
Client ID: SS-2
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:35
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 1,8270E
Analytical Date: 02/22/24 18:31
Analyst: IM
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 02/21/24 03:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	200	25.	1
Hexachlorobenzene	ND		ug/kg	150	27.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	33.	1
2-Chloronaphthalene	ND		ug/kg	240	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	65.	1
2,4-Dinitrotoluene	ND		ug/kg	240	49.	1
2,6-Dinitrotoluene	ND		ug/kg	240	42.	1
Fluoranthene	ND		ug/kg	150	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	37.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	42.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	24.	1
Hexachlorobutadiene	ND		ug/kg	240	36.	1
Hexachlorocyclopentadiene	ND		ug/kg	700	220	1
Hexachloroethane	ND		ug/kg	200	40.	1
Isophorone	ND		ug/kg	220	32.	1
Naphthalene	ND		ug/kg	240	30.	1
Nitrobenzene	ND		ug/kg	220	36.	1
NDPA/DPA	ND		ug/kg	200	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	38.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	85.	1
Butyl benzyl phthalate	ND		ug/kg	240	62.	1
Di-n-butylphthalate	ND		ug/kg	240	46.	1
Di-n-octylphthalate	ND		ug/kg	240	83.	1
Diethyl phthalate	ND		ug/kg	240	23.	1
Dimethyl phthalate	ND		ug/kg	240	51.	1
Benzo(a)anthracene	ND		ug/kg	150	28.	1
Benzo(a)pyrene	ND		ug/kg	200	60.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02 Date Collected: 02/14/24 09:35

Client ID: SS-2 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	150	41.	1
Benzo(k)fluoranthene	ND		ug/kg	150	39.	1
Chrysene	ND		ug/kg	150	25.	1
Acenaphthylene	ND		ug/kg	200	38.	1
Anthracene	ND		ug/kg	150	48.	1
Benzo(ghi)perylene	ND		ug/kg	200	29.	1
Fluorene	ND		ug/kg	240	24.	1
Phenanthrene	ND		ug/kg	150	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	28.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	200	34.	1
Pyrene	ND		ug/kg	150	24.	1
Biphenyl	ND		ug/kg	560	32.	1
4-Chloroaniline	ND		ug/kg	240	44.	1
2-Nitroaniline	ND		ug/kg	240	47.	1
3-Nitroaniline	ND		ug/kg	240	46.	1
4-Nitroaniline	ND		ug/kg	240	100	1
Dibenzofuran	ND		ug/kg	240	23.	1
2-Methylnaphthalene	ND		ug/kg	290	30.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	26.	1
Acetophenone	ND		ug/kg	240	30.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	46.	1
p-Chloro-m-cresol	ND		ug/kg	240	36.	1
2-Chlorophenol	ND		ug/kg	240	29.	1
2,4-Dichlorophenol	ND		ug/kg	220	39.	1
2,4-Dimethylphenol	ND		ug/kg	240	81.	1
2-Nitrophenol	ND		ug/kg	530	92.	1
4-Nitrophenol	ND		ug/kg	340	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	640	120	1
Pentachlorophenol	ND		ug/kg	200	54.	1
Phenol	ND		ug/kg	240	37.	1
2-Methylphenol	ND		ug/kg	240	38.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	38.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	47.	1
Carbazole	ND		ug/kg	240	24.	1
Atrazine	ND		ug/kg	200	86.	1
Benzaldehyde	ND		ug/kg	320	66.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02 Date Collected: 02/14/24 09:35

Client ID: SS-2 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	240	74.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	49.	1
1,4-Dioxane	ND		ug/kg	37	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	42		18-120

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02
Client ID: SS-2
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:35
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/24 00:39
Analyst: PS
Percent Solids: 67%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.677	0.031	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.677	0.062	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.339	0.053	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.677	0.071	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.339	0.061	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.339	0.082	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.339	0.057	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.82		ng/g	0.677	0.243	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.677	0.185	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.339	0.102	1
Perfluorooctanesulfonic Acid (PFOS)	0.315	J	ng/g	0.339	0.176	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.339	0.091	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.677	0.389	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.677	0.273	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.677	0.063	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.677	0.207	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.677	0.114	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.677	0.095	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.677	0.277	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.677	0.073	1
PFOA/PFOS, Total	0.315	J	ng/g	0.339	0.057	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02 Date Collected: 02/14/24 09:35

Client ID: SS-2 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**20**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**22**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	77		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**25**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**30**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**39**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	60		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**47**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**72**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**47**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**18**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**51**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**13**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**41**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**3**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT
Lab Number: L2408788
Project Number: 508215230
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02
Client ID: SS-2
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:35
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/26/24 15:09
Analyst: PS
Percent Solids: 67%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.677	0.133	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	74		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03
Client ID: SS-2D
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:40
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 1,8270E
Analytical Date: 02/22/24 18:08
Analyst: IM
Percent Solids: 57%

Extraction Method: EPA 3546
Extraction Date: 02/21/24 03:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	230	29.	1
Hexachlorobenzene	ND		ug/kg	170	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	260	38.	1
2-Chloronaphthalene	ND		ug/kg	280	28.	1
3,3'-Dichlorobenzidine	ND		ug/kg	280	75.	1
2,4-Dinitrotoluene	ND		ug/kg	280	57.	1
2,6-Dinitrotoluene	ND		ug/kg	280	49.	1
Fluoranthene	ND		ug/kg	170	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	280	30.	1
4-Bromophenyl phenyl ether	ND		ug/kg	280	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	340	48.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	310	28.	1
Hexachlorobutadiene	ND		ug/kg	280	41.	1
Hexachlorocyclopentadiene	ND		ug/kg	810	260	1
Hexachloroethane	ND		ug/kg	230	46.	1
Isophorone	ND		ug/kg	260	37.	1
Naphthalene	ND		ug/kg	280	34.	1
Nitrobenzene	ND		ug/kg	260	42.	1
NDPA/DPA	ND		ug/kg	230	32.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	280	44.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	280	98.	1
Butyl benzyl phthalate	ND		ug/kg	280	71.	1
Di-n-butylphthalate	ND		ug/kg	280	54.	1
Di-n-octylphthalate	ND		ug/kg	280	96.	1
Diethyl phthalate	ND		ug/kg	280	26.	1
Dimethyl phthalate	ND		ug/kg	280	60.	1
Benzo(a)anthracene	ND		ug/kg	170	32.	1
Benzo(a)pyrene	ND		ug/kg	230	69.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03 Date Collected: 02/14/24 09:40

Client ID: SS-2D Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	170	48.	1
Benzo(k)fluoranthene	ND		ug/kg	170	45.	1
Chrysene	ND		ug/kg	170	29.	1
Acenaphthylene	ND		ug/kg	230	44.	1
Anthracene	ND		ug/kg	170	55.	1
Benzo(ghi)perylene	ND		ug/kg	230	33.	1
Fluorene	ND		ug/kg	280	28.	1
Phenanthrene	ND		ug/kg	170	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	170	33.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	230	39.	1
Pyrene	ND		ug/kg	170	28.	1
Biphenyl	ND		ug/kg	650	37.	1
4-Chloroaniline	ND		ug/kg	280	52.	1
2-Nitroaniline	ND		ug/kg	280	55.	1
3-Nitroaniline	ND		ug/kg	280	53.	1
4-Nitroaniline	ND		ug/kg	280	120	1
Dibenzofuran	ND		ug/kg	280	27.	1
2-Methylnaphthalene	ND		ug/kg	340	34.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	280	30.	1
Acetophenone	ND		ug/kg	280	35.	1
2,4,6-Trichlorophenol	ND		ug/kg	170	54.	1
p-Chloro-m-cresol	ND		ug/kg	280	42.	1
2-Chlorophenol	ND		ug/kg	280	33.	1
2,4-Dichlorophenol	ND		ug/kg	260	46.	1
2,4-Dimethylphenol	ND		ug/kg	280	94.	1
2-Nitrophenol	ND		ug/kg	610	110	1
4-Nitrophenol	ND		ug/kg	400	120	1
2,4-Dinitrophenol	ND		ug/kg	1400	130	1
4,6-Dinitro-o-cresol	ND		ug/kg	740	140	1
Pentachlorophenol	ND		ug/kg	230	62.	1
Phenol	69	J	ug/kg	280	43.	1
2-Methylphenol	ND		ug/kg	280	44.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	410	44.	1
2,4,5-Trichlorophenol	ND		ug/kg	280	54.	1
Carbazole	ND		ug/kg	280	28.	1
Atrazine	ND		ug/kg	230	99.	1
Benzaldehyde	ND		ug/kg	370	76.	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03 Date Collected: 02/14/24 09:40

Client ID: SS-2D Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	280	86.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	280	57.	1
1,4-Dioxane	ND		ug/kg	42	13.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	51		18-120

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03
Client ID: SS-2D
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:40
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/24 01:29
Analyst: PS
Percent Solids: 57%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.775	0.035	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.775	0.071	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.388	0.061	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.775	0.081	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.388	0.070	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.388	0.094	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.388	0.065	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.02		ng/g	0.775	0.278	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.775	0.212	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.388	0.116	1
Perfluorooctanesulfonic Acid (PFOS)	0.508		ng/g	0.388	0.202	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.388	0.104	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.775	0.445	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.775	0.312	1
Perfluoroundecanoic Acid (PFUnA)	0.076	J	ng/g	0.775	0.073	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.775	0.237	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.206	J	ng/g	0.775	0.131	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.775	0.108	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.775	0.317	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.775	0.084	1
PFOA/PFOS, Total	0.508		ng/g	0.388	0.065	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03 Date Collected: 02/14/24 09:40

Client ID: SS-2D Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**49**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**53**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**53**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**52**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**59**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**64**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**72**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**61**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	36		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	67		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**31**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	58		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**17**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT
Lab Number: L2408788
Project Number: 508215230
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03
Client ID: SS-2D
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:40
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/26/24 15:21
Analyst: PS
Percent Solids: 57%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.775	0.152	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	70		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-04
Client ID: SS-3
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:50
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/24 01:45
Analyst: PS
Percent Solids: 73%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.117	J	ng/g	0.662	0.030	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.662	0.061	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.331	0.052	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.662	0.070	1
Perfluoroheptanoic Acid (PFHpA)	0.062	J	ng/g	0.331	0.060	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.331	0.080	1
Perfluorooctanoic Acid (PFOA)	0.132	J	ng/g	0.331	0.056	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.927		ng/g	0.662	0.238	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.662	0.181	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.331	0.099	1
Perfluorooctanesulfonic Acid (PFOS)	0.193	J	ng/g	0.331	0.172	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.331	0.089	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.662	0.380	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.662	0.267	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.662	0.062	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.662	0.203	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.662	0.112	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.662	0.093	1
PFOA/PFOS, Total	0.325	J	ng/g	0.331	0.056	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-04 Date Collected: 02/14/24 09:50

Client ID: SS-3 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**36**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**36**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**59**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**35**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**34**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**55**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**40**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	39		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**44**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**51**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**38**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	46		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**22**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**37**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**17**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**24**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**1**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT
Lab Number: L2408788
Project Number: 508215230
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-04
Client ID: SS-3
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:50
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/26/24 15:27
Analyst: PS
Percent Solids: 73%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.662	0.130	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-04 RE
Client ID: SS-3
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:50
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/28/24 08:24
Analyst: PS
Percent Solids: 73%

Extraction Method: ALPHA 23528
Extraction Date: 02/27/24 18:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	2.81	1.15	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	2.81	0.304	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**22**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**3**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-05
Client ID: SS-4
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 10:15
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/24 02:02
Analyst: PS
Percent Solids: 8%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.768	J	ng/g	6.20	0.281	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	6.20	0.570	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	3.10	0.483	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	6.20	0.651	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	3.10	0.559	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	3.10	0.750	1
Perfluorooctanoic Acid (PFOA)	0.768	J	ng/g	3.10	0.519	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	6.05	J	ng/g	6.20	2.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	6.20	1.69	1
Perfluorononanoic Acid (PFNA)	1.50	J	ng/g	3.10	0.929	1
Perfluorooctanesulfonic Acid (PFOS)	3.74		ng/g	3.10	1.61	1
Perfluorodecanoic Acid (PFDA)	1.06	J	ng/g	3.10	0.830	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	6.20	3.56	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	6.20	2.50	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	6.20	0.580	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	6.20	1.90	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	6.20	1.21	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	6.20	1.05	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	6.20	0.867	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	6.20	2.53	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	6.20	0.669	1
PFOA/PFOS, Total	4.51	J	ng/g	3.10	0.519	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-05 Date Collected: 02/14/24 10:15

Client ID: SS-4 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**25**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**28**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**69**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**29**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**30**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**64**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**36**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	47		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**43**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**63**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**42**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	64		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**19**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**47**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**24**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**42**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**18**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-06
Client ID: SS-5
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 10:35
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/24 02:18
Analyst: PS
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.084	J	ng/g	0.566	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.566	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.283	0.044	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.566	0.059	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.283	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.283	0.068	1
Perfluorooctanoic Acid (PFOA)	0.068	J	ng/g	0.283	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.94		ng/g	0.566	0.203	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.566	0.154	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.283	0.085	1
Perfluorooctanesulfonic Acid (PFOS)	0.323		ng/g	0.283	0.147	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.283	0.076	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.566	0.325	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.566	0.228	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.566	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.566	0.173	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.566	0.096	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.566	0.079	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.566	0.231	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.566	0.061	1
PFOA/PFOS, Total	0.391	J	ng/g	0.283	0.047	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-06 Date Collected: 02/14/24 10:35

Client ID: SS-5 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**44**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**47**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	75		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**46**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**48**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**72**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**53**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**61**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**73**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**63**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	62		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	41		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	69		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	43		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	62		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**23**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT
Lab Number: L2408788
Project Number: 508215230
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-06
Client ID: SS-5
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 10:35
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/26/24 15:34
Analyst: PS
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.566	0.111	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT
Lab Number: L2408788
Project Number: 508215230
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-07
Client ID: SS-6
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 11:00
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/24 02:35
Analyst: PS
Percent Solids: 52%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.917	0.042	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.917	0.084	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.458	0.072	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.917	0.096	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.458	0.083	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.458	0.111	1
Perfluorooctanoic Acid (PFOA)	0.107	J	ng/g	0.458	0.077	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	6.69		ng/g	0.917	0.329	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.917	0.250	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.458	0.138	1
Perfluorooctanesulfonic Acid (PFOS)	0.668		ng/g	0.458	0.238	1
Perfluorodecanoic Acid (PFDA)	0.141	JF	ng/g	0.458	0.123	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.917	0.526	1
Perfluoroundecanoic Acid (PFUnA)	0.113	J	ng/g	0.917	0.086	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.917	0.281	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.917	0.128	1
PFOA/PFOS, Total	0.775	J	ng/g	0.458	0.077	1

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-07 Date Collected: 02/14/24 11:00

Client ID: SS-6 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**45**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**47**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**57**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**47**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**44**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**52**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**47**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	39		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**47**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**44**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**37**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	40		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**7**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**30**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**4**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**13**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**0**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT
Lab Number: L2408788
Project Number: 508215230
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-07
Client ID: SS-6
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 11:00
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/26/24 15:40
Analyst: PS
Percent Solids: 52%

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.917	0.180	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	59		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-07 RE
Client ID: SS-6
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 11:00
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/28/24 09:00
Analyst: PS
Percent Solids: 52%

Extraction Method: ALPHA 23528
Extraction Date: 02/27/24 18:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	3.94	1.59	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	3.94	0.666	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	3.94	1.61	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	3.94	0.425	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	32		31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**32**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**43**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**10**	Q	24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/24 22:43
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1887161-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/21/24 22:43
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1887161-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		24-159

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/26/24 14:44
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 08:58

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-07 Batch: WG1887161-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/22/24 13:49
Analyst: MRG

Extraction Method: EPA 3546
Extraction Date: 02/21/24 00:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1887450-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/22/24 13:49
Analyst: MRG

Extraction Method: EPA 3546
Extraction Date: 02/21/24 00:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1887450-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/22/24 13:49
Analyst: MRG

Extraction Method: EPA 3546
Extraction Date: 02/21/24 00:22

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1887450-1					
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	210	44.
Caprolactam	ND		ug/kg	160	49.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	71		18-120

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/28/24 07:50
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 02/27/24 18:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04,07 Batch: WG1889897-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/28/24 07:50
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 02/27/24 18:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04,07 Batch: WG1889897-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	107		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	64		24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2408788

Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1887161-2								
Perfluorobutanoic Acid (PFBA)	97		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	93		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	97		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	98		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	85		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	94		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	95		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	95		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	101		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	87		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	98		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	97		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	95		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	94		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	89		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	92		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	93		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	118		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	93		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1887161-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	94				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 Batch: WG1887161-2								
Perfluorooctanesulfonamide (FOSA)	92		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	87				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2408788

Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1887450-2 WG1887450-3								
Acenaphthene	68		72		31-137	6		50
Hexachlorobenzene	56		61		40-140	9		50
Bis(2-chloroethyl)ether	71		66		40-140	7		50
2-Chloronaphthalene	62		64		40-140	3		50
3,3'-Dichlorobenzidine	63		68		40-140	8		50
2,4-Dinitrotoluene	68		72		40-132	6		50
2,6-Dinitrotoluene	68		72		40-140	6		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	65		69		40-140	6		50
4-Bromophenyl phenyl ether	61		67		40-140	9		50
Bis(2-chloroisopropyl)ether	78		73		40-140	7		50
Bis(2-chloroethoxy)methane	76		76		40-117	0		50
Hexachlorobutadiene	58		54		40-140	7		50
Hexachlorocyclopentadiene	59		60		40-140	2		50
Hexachloroethane	70		64		40-140	9		50
Isophorone	76		78		40-140	3		50
Naphthalene	66		62		40-140	6		50
Nitrobenzene	79		77		40-140	3		50
NDPA/DPA	66		71		36-157	7		50
n-Nitrosodi-n-propylamine	77		77		32-121	0		50
Bis(2-ethylhexyl)phthalate	69		74		40-140	7		50
Butyl benzyl phthalate	77		82		40-140	6		50
Di-n-butylphthalate	80		85		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1887450-2 WG1887450-3								
Di-n-octylphthalate	72		74		40-140	3		50
Diethyl phthalate	70		74		40-140	6		50
Dimethyl phthalate	61		65		40-140	6		50
Benzo(a)anthracene	72		75		40-140	4		50
Benzo(a)pyrene	67		69		40-140	3		50
Benzo(b)fluoranthene	66		70		40-140	6		50
Benzo(k)fluoranthene	65		67		40-140	3		50
Chrysene	65		68		40-140	5		50
Acenaphthylene	64		65		40-140	2		50
Anthracene	70		73		40-140	4		50
Benzo(ghi)perylene	66		70		40-140	6		50
Fluorene	67		70		40-140	4		50
Phenanthrene	67		70		40-140	4		50
Dibenzo(a,h)anthracene	68		72		40-140	6		50
Indeno(1,2,3-cd)pyrene	71		74		40-140	4		50
Pyrene	70		73		35-142	4		50
Biphenyl	62		64		37-127	3		50
4-Chloroaniline	73		74		40-140	1		50
2-Nitroaniline	75		79		47-134	5		50
3-Nitroaniline	65		71		26-129	9		50
4-Nitroaniline	78		85		41-125	9		50
Dibenzofuran	65		69		40-140	6		50
2-Methylnaphthalene	66		66		40-140	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1887450-2 WG1887450-3								
1,2,4,5-Tetrachlorobenzene	60		61		40-117	2		50
Acetophenone	75		73		14-144	3		50
2,4,6-Trichlorophenol	66		69		30-130	4		50
p-Chloro-m-cresol	78		80		26-103	3		50
2-Chlorophenol	75		71		25-102	5		50
2,4-Dichlorophenol	70		74		30-130	6		50
2,4-Dimethylphenol	92		93		30-130	1		50
2-Nitrophenol	85		82		30-130	4		50
4-Nitrophenol	86		90		11-114	5		50
2,4-Dinitrophenol	40		41		4-130	2		50
4,6-Dinitro-o-cresol	58		65		10-130	11		50
Pentachlorophenol	59		62		17-109	5		50
Phenol	78		76		26-90	3		50
2-Methylphenol	80		80		30-130.	0		50
3-Methylphenol/4-Methylphenol	79		82		30-130	4		50
2,4,5-Trichlorophenol	64		68		30-130	6		50
Carbazole	70		73		54-128	4		50
Atrazine	67		73		40-140	9		50
Benzaldehyde	71		62		40-140	14		50
Caprolactam	85		86		15-130	1		50
2,3,4,6-Tetrachlorophenol	66		72		40-140	9		50
1,4-Dioxane	58		53		40-140	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1887450-2 WG1887450-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		70		25-120
Phenol-d6	78		75		10-120
Nitrobenzene-d5	77		73		23-120
2-Fluorobiphenyl	57		58		30-120
2,4,6-Tribromophenol	56		59		10-136
4-Terphenyl-d14	60		62		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2408788

Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04,07 Batch: WG1889897-2								
Perfluorobutanoic Acid (PFBA)	102		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	104		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	103		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	100		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	95		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	100		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	104		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	94		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	100		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	112		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	102		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	104		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	92		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	84		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	91		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	100		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	120		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	90		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04,07 Batch: WG1889897-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	99				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	109				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	109				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70				24-159

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2408788

Report Date: 02/28/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1887161-3 QC Sample: L2408788-01 Client ID: SS-1												
Perfluorobutanoic Acid (PFBA)	0.273J	6.37	6.52	98		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	0.089J	6.37	6.30	97		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	5.66	5.83	103		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	0.086JF	6.37	6.72	104		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	0.105JF	6.37	6.77	105		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.82	5.48	94		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.278J	6.37	6.36	95		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.07	7.23	119		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	6.08	6.41	105		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	0.405	6.37	7.16	106		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	0.790	5.92	6.24	92		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	0.112J	6.37	6.34	98		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.12	6.54	107		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	6.37	8.36F	131		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	6.37	6.42	101		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	6.16	5.28	86		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	6.37	6.22	98		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	6.37	6.20	97		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	6.37	6.65	104		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	6.37	5.82	91		-	-		69-133	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT ***Lab Number:*** L2408788

Project Number: 508215230 ***Report Date:*** 02/28/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1887161-3 QC Sample: L2408788-01 Client ID: SS-1												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	46				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	43				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**24**	Q			34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**18**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**44**	Q			61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**42**	Q			75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**33**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**35**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**52**	Q			78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**39**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**15**	Q			24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**29**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**30**	Q			58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**51**	Q			79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**41**	Q			75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**44**	Q			72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**57**	Q			74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2408788

Report Date: 02/28/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 04,07		QC Batch ID: WG1889897-3			QC Sample: L2408788-04			Client ID: SS-3			
Perfluorotridecanoic Acid (PFTrDA)	ND	27.8	31.6	113		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	27.8	26.2	94		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**41**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**12**	Q			24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1887161-4 QC Sample: L2408788-02 Client ID: SS-2						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.82	5.84	ng/g	**70**	Q	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	0.315J	0.273J	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1887161-4 QC Sample: L2408788-02 Client ID: SS-2

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**20**	Q	**30**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**22**	Q	**34**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	77		**73**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**25**	Q	**35**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**30**	Q	**39**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q	**71**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**39**	Q	**47**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	60		63		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**47**	Q	**52**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**72**	Q	**71**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**47**	Q	**52**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		57		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**18**	Q	**24**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**51**	Q	**57**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**13**	Q	**25**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**41**	Q	**52**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**3**	Q	**7**	Q	24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04,07 QC Batch ID: WG1889897-4 QC Sample: L2408788-07 Client ID: SS-6						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	32		**29**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**32**	Q	**30**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**43**	Q	**36**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**10**	Q	**4**	Q	24-159

PCBS

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02
Client ID: SS-2
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:35
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 1,8082A
Analytical Date: 02/22/24 03:53
Analyst: MEO
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 02/21/24 12:42
Cleanup Method: EPA 3665A
Cleanup Date: 02/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	71.5	6.35	1	A
Aroclor 1221	ND		ug/kg	71.5	7.17	1	A
Aroclor 1232	ND		ug/kg	71.5	15.2	1	A
Aroclor 1242	ND		ug/kg	71.5	9.64	1	A
Aroclor 1248	ND		ug/kg	71.5	10.7	1	A
Aroclor 1254	ND		ug/kg	71.5	7.83	1	A
Aroclor 1260	ND		ug/kg	71.5	13.2	1	A
Aroclor 1262	ND		ug/kg	71.5	9.08	1	A
Aroclor 1268	ND		ug/kg	71.5	7.41	1	A
PCBs, Total	ND		ug/kg	71.5	6.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03
Client ID: SS-2D
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:40
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 1,8082A
Analytical Date: 02/21/24 21:59
Analyst: MEO
Percent Solids: 57%

Extraction Method: EPA 3546
Extraction Date: 02/21/24 02:46
Cleanup Method: EPA 3665A
Cleanup Date: 02/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/21/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	84.3	7.48	1	A
Aroclor 1221	ND		ug/kg	84.3	8.45	1	A
Aroclor 1232	ND		ug/kg	84.3	17.9	1	A
Aroclor 1242	ND		ug/kg	84.3	11.4	1	A
Aroclor 1248	ND		ug/kg	84.3	12.6	1	A
Aroclor 1254	ND		ug/kg	84.3	9.22	1	A
Aroclor 1260	ND		ug/kg	84.3	15.6	1	A
Aroclor 1262	ND		ug/kg	84.3	10.7	1	A
Aroclor 1268	ND		ug/kg	84.3	8.73	1	A
PCBs, Total	ND		ug/kg	84.3	7.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2408788
Report Date: 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 02/21/24 23:19
Analyst: MHG

Extraction Method: EPA 3546
Extraction Date: 02/21/24 02:46
Cleanup Method: EPA 3665A
Cleanup Date: 02/21/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/21/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03 Batch: WG1887468-1						
Aroclor 1016	ND		ug/kg	46.3	4.11	A
Aroclor 1221	ND		ug/kg	46.3	4.64	A
Aroclor 1232	ND		ug/kg	46.3	9.82	A
Aroclor 1242	ND		ug/kg	46.3	6.25	A
Aroclor 1248	ND		ug/kg	46.3	6.95	A
Aroclor 1254	ND		ug/kg	46.3	5.07	A
Aroclor 1260	ND		ug/kg	46.3	8.56	A
Aroclor 1262	ND		ug/kg	46.3	5.88	A
Aroclor 1268	ND		ug/kg	46.3	4.80	A
PCBs, Total	ND		ug/kg	46.3	4.11	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	59		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03 Batch: WG1887468-2 WG1887468-3									
Aroclor 1016	58		61		40-140	5		50	A
Aroclor 1260	56		58		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		61		30-150	A
Decachlorobiphenyl	66		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		63		30-150	B
Decachlorobiphenyl	61		61		30-150	B

PESTICIDES

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02
Client ID: SS-2
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:35
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 1,8081B
Analytical Date: 02/22/24 09:19
Analyst: MMG
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 02/21/24 15:28
Cleanup Method: EPA 3620B
Cleanup Date: 02/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.31	0.453	1	A
Lindane	ND		ug/kg	0.963	0.431	1	A
Alpha-BHC	ND		ug/kg	0.963	0.274	1	A
Beta-BHC	ND		ug/kg	2.31	0.877	1	A
Heptachlor	ND		ug/kg	1.16	0.518	1	A
Aldrin	ND		ug/kg	2.31	0.814	1	A
Heptachlor epoxide	ND		ug/kg	4.33	1.30	1	A
Endrin	ND		ug/kg	0.963	0.395	1	A
Endrin aldehyde	ND		ug/kg	2.89	1.01	1	A
Endrin ketone	ND		ug/kg	2.31	0.595	1	A
Dieldrin	ND		ug/kg	1.44	0.722	1	A
4,4'-DDE	ND		ug/kg	2.31	0.535	1	A
4,4'-DDD	ND		ug/kg	2.31	0.825	1	A
4,4'-DDT	ND		ug/kg	2.31	1.86	1	A
Endosulfan I	ND		ug/kg	2.31	0.546	1	A
Endosulfan II	ND		ug/kg	2.31	0.772	1	A
Endosulfan sulfate	ND		ug/kg	0.963	0.458	1	A
Methoxychlor	ND		ug/kg	4.33	1.35	1	A
Toxaphene	ND		ug/kg	43.3	12.1	1	A
cis-Chlordane	ND		ug/kg	2.89	0.805	1	A
trans-Chlordane	ND		ug/kg	2.89	0.763	1	A
Chlordane	ND		ug/kg	19.3	7.66	1	A

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02 Date Collected: 02/14/24 09:35

Client ID: SS-2 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03
Client ID: SS-2D
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 09:40
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 1,8081B
Analytical Date: 02/22/24 14:11
Analyst: MMG
Percent Solids: 57%

Extraction Method: EPA 3546
Extraction Date: 02/21/24 09:39
Cleanup Method: EPA 3620B
Cleanup Date: 02/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.68	0.525	1	A
Lindane	ND		ug/kg	1.12	0.499	1	A
Alpha-BHC	ND		ug/kg	1.12	0.317	1	A
Beta-BHC	ND		ug/kg	2.68	1.02	1	A
Heptachlor	ND		ug/kg	1.34	0.601	1	A
Aldrin	ND		ug/kg	2.68	0.944	1	A
Heptachlor epoxide	ND		ug/kg	5.03	1.51	1	A
Endrin	ND		ug/kg	1.12	0.458	1	A
Endrin aldehyde	ND		ug/kg	3.35	1.17	1	A
Endrin ketone	ND		ug/kg	2.68	0.690	1	A
Dieldrin	ND		ug/kg	1.68	0.838	1	A
4,4'-DDE	ND		ug/kg	2.68	0.620	1	A
4,4'-DDD	ND		ug/kg	2.68	0.956	1	A
4,4'-DDT	ND		ug/kg	2.68	2.16	1	A
Endosulfan I	ND		ug/kg	2.68	0.633	1	A
Endosulfan II	ND		ug/kg	2.68	0.896	1	A
Endosulfan sulfate	ND		ug/kg	1.12	0.532	1	A
Methoxychlor	ND		ug/kg	5.03	1.56	1	A
Toxaphene	ND		ug/kg	50.3	14.1	1	A
cis-Chlordane	ND		ug/kg	3.35	0.934	1	A
trans-Chlordane	ND		ug/kg	3.35	0.885	1	A
Chlordane	ND		ug/kg	22.3	8.88	1	A

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03 Date Collected: 02/14/24 09:40

Client ID: SS-2D Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/22/24 09:31
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 02/21/24 09:39
Cleanup Method: EPA 3620B
Cleanup Date: 02/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-03 Batch: WG1887605-1						
Delta-BHC	ND		ug/kg	1.59	0.312	A
Lindane	ND		ug/kg	0.664	0.297	A
Alpha-BHC	ND		ug/kg	0.664	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.604	A
Heptachlor	ND		ug/kg	0.796	0.357	A
Aldrin	ND		ug/kg	1.59	0.561	A
Heptachlor epoxide	ND		ug/kg	2.99	0.896	A
Endrin	ND		ug/kg	0.664	0.272	A
Endrin aldehyde	ND		ug/kg	1.99	0.697	A
Endrin ketone	ND		ug/kg	1.59	0.410	A
Dieldrin	ND		ug/kg	0.995	0.498	A
4,4'-DDE	ND		ug/kg	1.59	0.368	A
4,4'-DDD	ND		ug/kg	1.59	0.568	A
4,4'-DDT	ND		ug/kg	1.59	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.376	A
Endosulfan II	ND		ug/kg	1.59	0.532	A
Endosulfan sulfate	ND		ug/kg	0.664	0.316	A
Methoxychlor	ND		ug/kg	2.99	0.929	A
Toxaphene	ND		ug/kg	29.9	8.36	A
cis-Chlordane	ND		ug/kg	1.99	0.555	A
trans-Chlordane	ND		ug/kg	1.99	0.526	A
Chlordane	ND		ug/kg	13.3	5.28	A

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2408788
Report Date: 02/28/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 02/22/24 09:31
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 02/21/24 09:39
Cleanup Method: EPA 3620B
Cleanup Date: 02/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 02/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-03 Batch: WG1887605-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03 Batch: WG1887605-2 WG1887605-3									
Delta-BHC	77		79		30-150	3		30	A
Lindane	73		75		30-150	3		30	A
Alpha-BHC	74		77		30-150	4		30	A
Beta-BHC	88		88		30-150	0		30	A
Heptachlor	89		92		30-150	3		30	A
Aldrin	73		76		30-150	4		30	A
Heptachlor epoxide	83		86		30-150	4		30	A
Endrin	81		84		30-150	4		30	A
Endrin aldehyde	84		82		30-150	2		30	A
Endrin ketone	87		87		30-150	0		30	A
Dieldrin	84		86		30-150	2		30	A
4,4'-DDE	76		77		30-150	1		30	A
4,4'-DDD	86		88		30-150	2		30	A
4,4'-DDT	88		90		30-150	2		30	A
Endosulfan I	84		86		30-150	2		30	A
Endosulfan II	81		83		30-150	2		30	A
Endosulfan sulfate	77		77		30-150	0		30	A
Methoxychlor	108		110		30-150	2		30	A
cis-Chlordane	82		85		30-150	4		30	A
trans-Chlordane	86		87		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03 Batch: WG1887605-2 WG1887605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		60		30-150	A
Decachlorobiphenyl	82		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		60		30-150	B
Decachlorobiphenyl	74		77		30-150	B

METALS

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02 Date Collected: 02/14/24 09:35

Client ID: SS-2 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Matrix: Sediment

Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5000		mg/kg	11.5	3.11	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	5.76	0.438	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.46		mg/kg	1.15	0.239	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Barium, Total	14.6		mg/kg	1.15	0.200	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.186	J	mg/kg	0.576	0.038	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.153	J	mg/kg	1.15	0.113	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Calcium, Total	522		mg/kg	11.5	4.03	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Chromium, Total	4.39		mg/kg	1.15	0.110	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Cobalt, Total	1.28	J	mg/kg	2.30	0.191	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Copper, Total	1.81		mg/kg	1.15	0.297	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Iron, Total	8160		mg/kg	5.76	1.04	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Lead, Total	8.24		mg/kg	5.76	0.308	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Magnesium, Total	501		mg/kg	11.5	1.77	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Manganese, Total	54.8		mg/kg	1.15	0.183	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.100	0.065	1	02/22/24 00:27	02/22/24 09:45	EPA 7471B	1,7471B	GMG
Nickel, Total	2.30	J	mg/kg	2.88	0.279	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Potassium, Total	113	J	mg/kg	288	16.6	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	2.30	0.297	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.576	0.326	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Sodium, Total	38.1	J	mg/kg	230	3.63	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	2.30	0.363	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Vanadium, Total	11.9		mg/kg	1.15	0.234	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF
Zinc, Total	13.6		mg/kg	5.76	0.337	2	02/21/24 22:57	02/22/24 15:08	EPA 3050B	1,6010D	JMF

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03 Date Collected: 02/14/24 09:40

Client ID: SS-2D Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Matrix: Sediment

Percent Solids: 57%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4880		mg/kg	13.4	3.62	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	6.71	0.510	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.03	J	mg/kg	1.34	0.279	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Barium, Total	15.5		mg/kg	1.34	0.233	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.181	J	mg/kg	0.671	0.044	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	1.34	0.131	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Calcium, Total	538		mg/kg	13.4	4.70	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Chromium, Total	4.24		mg/kg	1.34	0.129	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Cobalt, Total	1.18	J	mg/kg	2.68	0.223	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Copper, Total	2.22		mg/kg	1.34	0.346	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Iron, Total	6560		mg/kg	6.71	1.21	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Lead, Total	8.55		mg/kg	6.71	0.360	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Magnesium, Total	593		mg/kg	13.4	2.07	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Manganese, Total	42.1		mg/kg	1.34	0.213	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.122	0.080	1	02/22/24 00:27	02/22/24 09:55	EPA 7471B	1,7471B	GMG
Nickel, Total	2.77	J	mg/kg	3.35	0.325	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Potassium, Total	128	J	mg/kg	335	19.3	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	2.68	0.346	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.671	0.380	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Sodium, Total	50.0	J	mg/kg	268	4.23	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	2.68	0.423	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Vanadium, Total	10.9		mg/kg	1.34	0.272	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF
Zinc, Total	14.7		mg/kg	6.71	0.393	2	02/21/24 22:57	02/22/24 15:11	EPA 3050B	1,6010D	JMF

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-03 Batch: WG1887718-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Iron, Total	0.730	J	mg/kg	2.00	0.361	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	02/21/24 22:57	02/22/24 14:11	1,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-03 Batch: WG1887722-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/22/24 00:27	02/22/24 08:40	1,7471B	GMG

Project Name: FORMER CLINTON COUNTY AIRPORT **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03 Batch: WG1887718-2 SRM Lot Number: D123-540								
Aluminum, Total	75		-		53-147	-		
Antimony, Total	140		-		2-201	-		
Arsenic, Total	89		-		82-118	-		
Barium, Total	94		-		82-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	88		-		83-118	-		
Calcium, Total	88		-		82-118	-		
Chromium, Total	91		-		81-118	-		
Cobalt, Total	92		-		83-117	-		
Copper, Total	93		-		83-117	-		
Iron, Total	88		-		58-142	-		
Lead, Total	91		-		82-119	-		
Magnesium, Total	85		-		75-124	-		
Manganese, Total	91		-		81-119	-		
Nickel, Total	93		-		82-118	-		
Potassium, Total	90		-		72-128	-		
Selenium, Total	93		-		81-119	-		
Silver, Total	92		-		79-120	-		
Sodium, Total	112		-		74-126	-		
Thallium, Total	89		-		81-120	-		
Vanadium, Total	89		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03 Batch: WG1887718-2 SRM Lot Number: D123-540					
Zinc, Total	90	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02-03 Batch: WG1887722-2 SRM Lot Number: D123-540					
Mercury, Total	87	-	67-132	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1887718-3 QC Sample: L2409055-01 Client ID: MS Sample												
Aluminum, Total	12100	183	13100	**546**	Q	-	-		75-125	-		20
Antimony, Total	ND	45.8	41.4	90		-	-		75-125	-		20
Arsenic, Total	1.18	11	13.4	111		-	-		75-125	-		20
Barium, Total	23.8	183	208	100		-	-		75-125	-		20
Beryllium, Total	0.176J	4.58	4.79	104		-	-		75-125	-		20
Cadmium, Total	ND	4.85	4.46	92		-	-		75-125	-		20
Calcium, Total	9610	916	9290	**0**	Q	-	-		75-125	-		20
Chromium, Total	27.0	18.3	44.8	97		-	-		75-125	-		20
Cobalt, Total	7.69	45.8	49.0	90		-	-		75-125	-		20
Copper, Total	65.0	22.9	91.4	115		-	-		75-125	-		20
Iron, Total	11000	91.6	10600	**0**	Q	-	-		75-125	-		20
Lead, Total	5.67	48.5	56.2	104		-	-		75-125	-		20
Magnesium, Total	6180	916	6150	**0**	Q	-	-		75-125	-		20
Manganese, Total	133	45.8	171	83		-	-		75-125	-		20
Nickel, Total	19.5	45.8	60.1	89		-	-		75-125	-		20
Potassium, Total	1090	916	1950	94		-	-		75-125	-		20
Selenium, Total	ND	11	12.0	109		-	-		75-125	-		20
Silver, Total	ND	4.58	4.66	102		-	-		75-125	-		20
Sodium, Total	1260	916	2330	117		-	-		75-125	-		20
Thallium, Total	ND	11	11.0	100		-	-		75-125	-		20
Vanadium, Total	33.5	45.8	74.1	89		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1887718-3 QC Sample: L2409055-01 Client ID: MS Sample									
Zinc, Total	16.7	45.8	59.8	94	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1887722-3 QC Sample: L2408940-01 Client ID: MS Sample									
Mercury, Total	ND	1.61	1.66	103	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1887718-4 QC Sample: L2409055-01 Client ID: DUP Sample						
Aluminum, Total	12100	9790	mg/kg	**21**	Q	20
Antimony, Total	ND	0.357J	mg/kg	NC		20
Arsenic, Total	1.18	1.05	mg/kg	12		20
Barium, Total	23.8	18.6	mg/kg	**25**	Q	20
Beryllium, Total	0.176J	0.136J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	27.0	20.7	mg/kg	**26**	Q	20
Cobalt, Total	7.69	6.17	mg/kg	**22**	Q	20
Copper, Total	65.0	51.1	mg/kg	**24**	Q	20
Lead, Total	5.67	3.92J	mg/kg	NC		20
Manganese, Total	133	102	mg/kg	**26**	Q	20
Nickel, Total	19.5	15.9	mg/kg	20		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	33.5	26.1	mg/kg	**25**	Q	20
Zinc, Total	16.7	13.8	mg/kg	19		20
Total Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1887722-4 QC Sample: L2408940-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2408788
Report Date: 02/28/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1887718-6 QC Sample: L2409055-01 Client ID: DUP Sample						
Aluminum, Total	12100	12100	mg/kg	0		20
Chromium, Total	27.0	28.3	mg/kg	5		20
Copper, Total	65.0	63.9	mg/kg	2		20
Manganese, Total	133	135	mg/kg	2		20
Vanadium, Total	33.5	34.4	mg/kg	3		20

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2408788
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-01
Client ID: SS-1
Sample Location: FORMER CLINTON COUNTY AIRPORT
Sample Depth:
Matrix: Sediment

Date Collected: 02/14/24 09:15
Date Received: 02/16/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	71.8		%	0.100	0.100	1	-	02/19/24 00:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2408788
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-02
Client ID: SS-2
Sample Location: FORMER CLINTON COUNTY AIRPORT
Sample Depth:
Matrix: Sediment

Date Collected: 02/14/24 09:35
Date Received: 02/16/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.5		%	0.100	NA	1	-	02/20/24 08:12	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.4	0.29	1	02/20/24 15:50	02/21/24 16:54	1,9010C/9012B	JER

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2408788
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-03
Client ID: SS-2D
Sample Location: FORMER CLINTON COUNTY AIRPORT
Sample Depth:
Matrix: Sediment

Date Collected: 02/14/24 09:40
Date Received: 02/16/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	57.2		%	0.100	NA	1	-	02/20/24 08:12	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.6	0.34	1	02/20/24 15:50	02/21/24 16:55	1,9010C/9012B	JER

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2408788
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-04
Client ID: SS-3
Sample Location: FORMER CLINTON COUNTY AIRPORT
Sample Depth:
Matrix: Sediment
Date Collected: 02/14/24 09:50
Date Received: 02/16/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	73.3		%	0.100	0.100	1	-	02/19/24 00:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2408788
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-05
Client ID: SS-4
Sample Location: FORMER CLINTON COUNTY AIRPORT
Sample Depth:
Matrix: Sediment

Date Collected: 02/14/24 10:15
Date Received: 02/16/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	7.95		%	0.100	0.100	1	-	02/19/24 00:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2408788
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-06
Client ID: SS-5
Sample Location: FORMER CLINTON COUNTY AIRPORT
Sample Depth:
Matrix: Sediment

Date Collected: 02/14/24 10:35
Date Received: 02/16/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	84.2		%	0.100	0.100	1	-	02/19/24 00:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2408788
Report Date: 02/28/24

SAMPLE RESULTS

Lab ID: L2408788-07
Client ID: SS-6
Sample Location: FORMER CLINTON COUNTY AIRPORT
Sample Depth:
Matrix: Sediment

Date Collected: 02/14/24 11:00
Date Received: 02/16/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	51.8		%	0.100	0.100	1	-	02/19/24 00:00	121,2540G	BFG

Project Name: FORMER CLINTON COUNTY AIRPOR **Lab Number:** L2408788

Project Number: 508215230 **Report Date:** 02/28/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02-03 Batch: WG1887269-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	02/20/24 15:50	02/21/24 16:24	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03 Batch: WG1887269-2 WG1887269-3								
Cyanide, Total	**75**	Q	**77**	Q	80-120	3		35

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

Lab Number: L2408788
Report Date: 02/28/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1887269-4 WG1887269-5 QC Sample: L2408324-04 Client ID: MS Sample												
Cyanide, Total	ND	10	10	94		9.6	94		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER CLINTON COUNTY AIRPORT

Project Number: 508215230

Lab Number: L2408788

Report Date: 02/28/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01,04-07 QC Batch ID: WG1886985-1 QC Sample: L2408788-06 Client ID: SS-5						
Solids, Total	84.2	85.2	%	1		10
General Chemistry - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1887092-1 QC Sample: L2408794-01 Client ID: DUP Sample						
Solids, Total	89.4	89.5	%	0		20

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230

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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2408788-01A	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		A2-TS(7)
L2408788-01B	Plastic 8oz unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2408788-02A	Vial Large Septa unpreserved (4oz)	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2408788-02B	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		TS(7)
L2408788-02C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2408788-02D	Plastic 8oz unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2408788-02E	Glass 500ml/16oz unpreserved	A	NA		4.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2408788-02X	Vial MeOH preserved split	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2408788-02Y	Vial Water preserved split	A	NA		4.1	Y	Absent	**18-FEB-24 04:53**	NYTCL-8260-R2(14)
L2408788-02Z	Vial Water preserved split	A	NA		4.1	Y	Absent	**18-FEB-24 04:53**	NYTCL-8260-R2(14)
L2408788-03A	Vial Large Septa unpreserved (4oz)	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2408788-03B	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		TS(7)
L2408788-03C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2408788-03D	Plastic 8oz unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2408788-03E	Glass 500ml/16oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2408788-03X	Vial MeOH preserved split	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2408788-03Y	Vial Water preserved split	A	NA		4.1	Y	Absent	**18-FEB-24 04:53**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER CLINTON COUNTY AIRPORT
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2408788-03Z	Vial Water preserved split	A	NA		4.1	Y	Absent	**18-FEB-24 04:53**	NYTCL-8260-R2(14)
L2408788-04A	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		A2-TS(7)
L2408788-04B	Plastic 8oz unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2408788-05A	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		A2-TS(7)
L2408788-05B	Plastic 8oz unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2408788-06A	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		A2-TS(7)
L2408788-06B	Plastic 8oz unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(90)
L2408788-07A	Plastic 2oz unpreserved for TS	A	NA		4.1	Y	Absent		A2-TS(7)
L2408788-07B	Plastic 8oz unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(90)

*Values in parentheses indicate holding time in days

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Lab Number: L2408788
Report Date: 02/28/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: FORMER CLINTON COUNTY AIRPORT
Project Number: 508215230
Lab Number: L2408788
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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

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Project Number:	508215230	**Report Date:**	02/28/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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Project Number:	508215230	**Report Date:**	02/28/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA

NEW YORK CHAIN OF CUSTODY

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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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Date Rec'd in Lab: 2/17/24

ALPHA Job #: L2408788

Client Information

Client: KAS Inc.
Address: 13 Catar Ave, Suite 204, Plattsburgh, NY 12901
Phone: 518-563-7445
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Email: aaron@kas-consultants.com

Project Information

Project Name: Former Clinton County Airport (Stage III)
Project Location: Former Clinton County Airport
Project #: 50827 5230
(Use Project name as Project #) ☒
Project Manager: Aaron Roth
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

TCL – No Herbicide

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS – 537.1	TCL	TAL	Cyanide					Total Bottle	Sample Specific Comments
08788-01	SS-1	2/14/24	0915	Sediment	AP	X									
-02	SS-2		0935			X	X	X	X						
-03	SS-2D		0940			X	X	X	X						
-04	SS-3		0950			X									
-05	SS-4		1015			X									
-06	SS-5		1035			X									
-07	SS-6		1100			X									
Container Type						P	A	A	A						
Preservative						A	A	A	A						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	2/16/24 1233	B. Lyons	2/16/24 1235
			2/17/24 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2408804
Client:	KAS, Inc. 13 Latour Avenue Suite 204 Plattsurgh, NY 12901
ATTN:	Aaron Roth
Phone:	(518) 563-9445
Project Name:	REMEDIAL INVESTIGATION (STAGE
Project Number:	508215230
Report Date:	02/27/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230

Lab Number: L2408804
Report Date: 02/27/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2408804-01	MW-14	WATER	FORMER CLINTON COUNTY AIRPORT	02/14/24 12:00	02/16/24
L2408804-02	MW-15	WATER	FORMER CLINTON COUNTY AIRPORT	02/14/24 12:58	02/16/24
L2408804-03	MW-16	WATER	FORMER CLINTON COUNTY AIRPORT	02/15/24 11:20	02/16/24
L2408804-04	MW-1	WATER	FORMER CLINTON COUNTY AIRPORT	02/16/24 09:00	02/16/24
L2408804-05	MW-1D	WATER	FORMER CLINTON COUNTY AIRPORT	02/16/24 11:10	02/16/24
L2408804-06	MW-3R	WATER	FORMER CLINTON COUNTY AIRPORT	02/16/24 09:45	02/16/24
L2408804-07	MW-5	WATER	FORMER CLINTON COUNTY AIRPORT	02/16/24 10:30	02/16/24
L2408804-08	MW-4	WATER	FORMER CLINTON COUNTY AIRPORT	02/16/24 11:00	02/16/24
L2408804-09	EB-1	WATER	FORMER CLINTON COUNTY AIRPORT	02/08/24 14:30	02/16/24
L2408804-10	MW-2	WATER	FORMER CLINTON COUNTY AIRPORT	02/15/24 14:40	02/16/24
L2408804-11	MW-6	WATER	FORMER CLINTON COUNTY AIRPORT	02/15/24 09:30	02/16/24
L2408804-12	MW-7	WATER	FORMER CLINTON COUNTY AIRPORT	02/15/24 09:42	02/16/24
L2408804-13	MW-8	WATER	FORMER CLINTON COUNTY AIRPORT	02/15/24 14:10	02/16/24
L2408804-14	MW-9	WATER	FORMER CLINTON COUNTY AIRPORT	02/15/24 12:00	02/16/24
L2408804-15	MW-10	WATER	FORMER CLINTON COUNTY AIRPORT	02/15/24 12:35	02/16/24
L2408804-16	MW-11	WATER	FORMER CLINTON COUNTY AIRPORT	02/15/24 13:15	02/16/24
L2408804-17	MW-12	WATER	FORMER CLINTON COUNTY AIRPORT	02/15/24 13:30	02/16/24
L2408804-18	MW-13	WATER	FORMER CLINTON COUNTY AIRPORT	02/15/24 10:45	02/16/24

Project Name:	REMEDIAL INVESTIGATION (STAGE	**Lab Number:**	L2408804
Project Number:	508215230	**Report Date:**	02/27/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	REMEDIAL INVESTIGATION (STAGE	**Lab Number:**	L2408804
Project Number:	508215230	**Report Date:**	02/27/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2408804-09: The collection date and time on the chain of custody was 08-FEB-24 14:30; however, the collection date/time on the container label was 08-FEB-24 12:00. At the client's request, the collection date/time is reported as 08-FEB-24 14:30.

Perfluorinated Alkyl Acids by Isotope Dilution

L2408804-02, -07, -08, -10, -11, -12, -14, -15, -17, -18, WG1888235-1, WG1888235-2 and WG1887062-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2408804-12: The sample was re-extracted on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-extraction was performed only for the compound(s) that exceeded the calibration range.

L2408804-15 and -18: The sample was centrifuged and decanted prior to extraction due to sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Alycia Mogayzel

Title: Technical Director/Representative Date: 02/27/24

ORGANICS

SEMIVOLATILES

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-01
Client ID: MW-14
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 12:00
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 17:21
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	5.72		ng/l	2.12	0.433	1
Perfluoropentanoic Acid (PFPeA)	1.06	J	ng/l	2.12	0.420	1
Perfluorobutanesulfonic Acid (PFBS)	0.454	J	ng/l	2.12	0.253	1
Perfluorohexanoic Acid (PFHxA)	1.03	J	ng/l	2.12	0.348	1
Perfluoroheptanoic Acid (PFHpA)	0.696	J	ng/l	2.12	0.239	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.12	0.399	1
Perfluorooctanoic Acid (PFOA)	0.828	JF	ng/l	2.12	0.250	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.90		ng/l	2.12	1.41	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.12	0.730	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.12	0.331	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.12	0.535	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.12	0.323	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.12	1.29	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.12	0.688	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.12	0.276	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.12	1.04	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.12	0.616	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.12	0.854	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.12	0.395	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.12	0.347	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.12	0.263	1
PFOA/PFOS, Total	0.828	J	ng/l	2.12	0.250	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-01
Client ID: MW-14
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/14/24 12:00
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	73		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	78		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	75		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	65		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	63		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	61		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-02
Client ID: MW-15
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/14/24 12:58
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 17:38
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	1.71	J	ng/l	1.89	0.385	1
Perfluoropentanoic Acid (PFPeA)	0.664	J	ng/l	1.89	0.374	1
Perfluorobutanesulfonic Acid (PFBS)	0.464	J	ng/l	1.89	0.225	1
Perfluorohexanoic Acid (PFHxA)	0.710	J	ng/l	1.89	0.310	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.89	0.212	1
Perfluorohexanesulfonic Acid (PFHxS)	0.925	J	ng/l	1.89	0.355	1
Perfluorooctanoic Acid (PFOA)	0.630	J	ng/l	1.89	0.223	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.89	1.26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.89	0.649	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.89	0.294	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.89	0.476	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.89	0.287	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.89	1.14	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.89	0.612	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.89	0.245	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.89	0.925	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.89	0.547	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.89	0.759	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.89	0.351	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.89	0.309	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.89	0.234	1
PFOA/PFOS, Total	0.630	J	ng/l	1.89	0.223	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-02
Client ID: MW-15
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/14/24 12:58
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**51**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**57**	Q	70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	63		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	75		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-03
Client ID: MW-16
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/15/24 11:20
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 17:54
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	1.73	J	ng/l	1.83	0.373	1
Perfluoropentanoic Acid (PFPeA)	2.25		ng/l	1.83	0.362	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.83	0.218	1
Perfluorohexanoic Acid (PFHxA)	1.44	J	ng/l	1.83	0.300	1
Perfluoroheptanoic Acid (PFHpA)	2.37		ng/l	1.83	0.206	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.83	0.344	1
Perfluorooctanoic Acid (PFOA)	5.45		ng/l	1.83	0.216	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.83	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.83	0.630	1
Perfluorononanoic Acid (PFNA)	1.77	J	ng/l	1.83	0.285	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.83	0.461	1
Perfluorodecanoic Acid (PFDA)	0.278	JF	ng/l	1.83	0.278	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.83	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.83	0.593	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.83	0.238	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.83	0.897	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.83	0.531	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.83	0.736	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.83	0.340	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.83	0.299	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.83	0.227	1
PFOA/PFOS, Total	5.45		ng/l	1.83	0.216	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-03
Client ID: MW-16
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/15/24 11:20
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	80		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	71		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-04
Client ID: MW-1
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/16/24 09:00
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 18:27
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.53		ng/l	1.81	0.370	1
Perfluoropentanoic Acid (PFPeA)	0.533	J	ng/l	1.81	0.359	1
Perfluorobutanesulfonic Acid (PFBS)	0.834	J	ng/l	1.81	0.216	1
Perfluorohexanoic Acid (PFHxA)	0.540	J	ng/l	1.81	0.298	1
Perfluoroheptanoic Acid (PFHpA)	0.298	J	ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	1.56	J	ng/l	1.81	0.341	1
Perfluorooctanoic Acid (PFOA)	0.813	J	ng/l	1.81	0.214	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.81	0.624	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.81	0.283	1
Perfluorooctanesulfonic Acid (PFOS)	1.06	J	ng/l	1.81	0.457	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.81	0.276	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.588	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.236	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.889	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.81	0.526	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.81	0.729	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.337	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.297	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.225	1
PFOA/PFOS, Total	1.87	J	ng/l	1.81	0.214	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-04
Client ID: MW-1
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/16/24 09:00
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	75		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	80		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	66		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	79		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	69		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	68		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	44		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	62		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	42		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	57		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-05
Client ID: MW-1D
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/16/24 11:10
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 18:44
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.52		ng/l	1.86	0.379	1
Perfluoropentanoic Acid (PFPeA)	1.24	J	ng/l	1.86	0.367	1
Perfluorobutanesulfonic Acid (PFBS)	2.06		ng/l	1.86	0.221	1
Perfluorohexanoic Acid (PFHxA)	3.39		ng/l	1.86	0.304	1
Perfluoroheptanoic Acid (PFHpA)	1.43	J	ng/l	1.86	0.209	1
Perfluorohexanesulfonic Acid (PFHxS)	23.6		ng/l	1.86	0.349	1
Perfluorooctanoic Acid (PFOA)	4.43		ng/l	1.86	0.219	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.86	1.24	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.30	J	ng/l	1.86	0.638	1
Perfluorononanoic Acid (PFNA)	0.364	J	ng/l	1.86	0.290	1
Perfluorooctanesulfonic Acid (PFOS)	22.3		ng/l	1.86	0.468	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.86	0.282	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.86	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.86	0.601	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.86	0.241	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.86	0.909	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.86	0.538	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.86	0.746	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.86	0.345	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.86	0.304	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.86	0.230	1
PFOA/PFOS, Total	26.7		ng/l	1.86	0.219	1

Project Name: REMEDIAL INVESTIGATION (STAGE **Lab Number:** L2408804

Project Number: 508215230 **Report Date:** 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-05 Date Collected: 02/16/24 11:10
Client ID: MW-1D Date Received: 02/16/24
Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	82		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	68		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	77		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	70		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	71		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	55		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	68		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	70		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-06
Client ID: MW-3R
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/16/24 09:45
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 19:00
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.80	0.368	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.80	0.357	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.80	0.215	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.80	0.296	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.80	0.203	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	0.339	1
Perfluorooctanoic Acid (PFOA)	0.310	J	ng/l	1.80	0.213	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.621	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	0.282	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	0.455	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.274	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.585	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.235	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.884	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.523	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.726	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.336	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.295	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.224	1
PFOA/PFOS, Total	0.310	J	ng/l	1.80	0.213	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-06
Client ID: MW-3R
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/16/24 09:45
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	65		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	80		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	63		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	72		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	34		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-07
Client ID: MW-5
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/16/24 10:30
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 19:17
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	9.27		ng/l	1.78	0.363	1
Perfluoropentanoic Acid (PFPeA)	4.89		ng/l	1.78	0.352	1
Perfluorobutanesulfonic Acid (PFBS)	1.82		ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	5.37		ng/l	1.78	0.292	1
Perfluoroheptanoic Acid (PFHpA)	6.14		ng/l	1.78	0.200	1
Perfluorohexanesulfonic Acid (PFHxS)	9.24		ng/l	1.78	0.334	1
Perfluorooctanoic Acid (PFOA)	12.8		ng/l	1.78	0.210	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.18	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.747	J	ng/l	1.78	0.612	1
Perfluorononanoic Acid (PFNA)	3.18		ng/l	1.78	0.277	1
Perfluorooctanesulfonic Acid (PFOS)	11.9		ng/l	1.78	0.448	1
Perfluorodecanoic Acid (PFDA)	0.558	J	ng/l	1.78	0.270	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.576	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.231	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.871	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.516	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.715	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.331	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.291	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.220	1
PFOA/PFOS, Total	24.7		ng/l	1.78	0.210	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Lab Number: L2408804
Project Number: 508215230
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-07
Client ID: MW-5
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/16/24 10:30
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**56**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	71		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	60		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	67		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	72		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	133		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	68		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	55		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	67		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	22		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-08
Client ID: MW-4
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/16/24 11:00
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 19:34
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	4.66		ng/l	1.84	0.375	1
Perfluoropentanoic Acid (PFPeA)	2.28		ng/l	1.84	0.364	1
Perfluorobutanesulfonic Acid (PFBS)	3.70		ng/l	1.84	0.219	1
Perfluorohexanoic Acid (PFHxA)	6.08		ng/l	1.84	0.302	1
Perfluoroheptanoic Acid (PFHpA)	2.93		ng/l	1.84	0.207	1
Perfluorohexanesulfonic Acid (PFHxS)	42.3		ng/l	1.84	0.346	1
Perfluorooctanoic Acid (PFOA)	8.35		ng/l	1.84	0.217	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.84	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.63		ng/l	1.84	0.632	1
Perfluorononanoic Acid (PFNA)	0.765	J	ng/l	1.84	0.287	1
Perfluorooctanesulfonic Acid (PFOS)	42.9		ng/l	1.84	0.463	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.84	0.279	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.596	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.239	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.901	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.533	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.739	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.342	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.301	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.228	1
PFOA/PFOS, Total	51.3		ng/l	1.84	0.217	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-08
Client ID: MW-4
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/16/24 11:00
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	77		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	73		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	78		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	62		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	81		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**68**	Q	69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**59**	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	61		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	41		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**54**	Q	55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	32		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	54		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	58		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-09
Client ID: EB-1
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/08/24 14:30
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 19:50
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.79	0.364	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.79	0.354	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.79	0.213	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.79	0.293	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.79	0.201	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.79	0.336	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.79	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.79	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.79	0.615	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.79	0.279	1
Perfluorooctanesulfonic Acid (PFOS)	0.747	JF	ng/l	1.79	0.450	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.79	0.272	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	0.579	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.79	0.232	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	0.876	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.79	0.518	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.79	0.718	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	0.332	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.79	0.292	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.79	0.222	1
PFOA/PFOS, Total	0.747	J	ng/l	1.79	0.211	1

Project Name: REMEDIAL INVESTIGATION (STAGE **Lab Number:** L2408804

Project Number: 508215230 **Report Date:** 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-09 Date Collected: 02/08/24 14:30

Client ID: EB-1 Date Received: 02/16/24

Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	71		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-10
Client ID: MW-2
Sample Location: FORMER CLINTON COUNTY AIRPORT

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 20:07
Analyst: SG

Date Collected: 02/15/24 14:40
Date Received: 02/16/24
Field Prep: Not Specified

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.85	0.378	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.85	0.366	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.85	0.304	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	0.785	J	ng/l	1.85	0.348	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.637	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.85	0.289	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.85	0.466	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.600	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.241	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.907	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.537	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.744	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.303	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.230	1
PFOA/PFOS, Total	ND		ng/l	1.85	0.218	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Lab Number: L2408804
Project Number: 508215230
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-10
Client ID: MW-2
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/15/24 14:40
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**57**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	71		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	67		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	70		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	69		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	58		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-11
Client ID: MW-6
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/15/24 09:30
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 20:56
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	16.2		ng/l	1.82	0.372	1
Perfluoropentanoic Acid (PFPeA)	9.46		ng/l	1.82	0.361	1
Perfluorobutanesulfonic Acid (PFBS)	2.91		ng/l	1.82	0.217	1
Perfluorohexanoic Acid (PFHxA)	10.0		ng/l	1.82	0.299	1
Perfluoroheptanoic Acid (PFHpA)	8.66		ng/l	1.82	0.206	1
Perfluorohexanesulfonic Acid (PFHxS)	2.72		ng/l	1.82	0.343	1
Perfluorooctanoic Acid (PFOA)	14.2		ng/l	1.82	0.215	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.82	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.82	0.628	1
Perfluorononanoic Acid (PFNA)	1.03	J	ng/l	1.82	0.285	1
Perfluorooctanesulfonic Acid (PFOS)	2.67		ng/l	1.82	0.460	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.82	0.277	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.82	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.675	J	ng/l	1.82	0.591	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.82	0.237	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.82	0.894	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.82	0.529	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.82	0.734	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.82	0.340	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.82	0.299	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.82	0.226	1
PFOA/PFOS, Total	16.9		ng/l	1.82	0.215	1

Project Name: REMEDIAL INVESTIGATION (STAGE **Lab Number:** L2408804

Project Number: 508215230 **Report Date:** 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-11 Date Collected: 02/15/24 09:30
Client ID: MW-6 Date Received: 02/16/24
Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**44**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**57**	Q	70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	65		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	77		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-12
Client ID: MW-7
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/15/24 09:42
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 21:13
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.07		ng/l	1.78	0.364	1
Perfluoropentanoic Acid (PFPeA)	1.83		ng/l	1.78	0.353	1
Perfluorobutanesulfonic Acid (PFBS)	6.65		ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	4.83		ng/l	1.78	0.292	1
Perfluoroheptanoic Acid (PFHpA)	1.57	J	ng/l	1.78	0.201	1
Perfluorohexanesulfonic Acid (PFHxS)	167		ng/l	1.78	0.335	1
Perfluorooctanoic Acid (PFOA)	7.33		ng/l	1.78	0.210	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	26.2		ng/l	1.78	0.613	1
Perfluorononanoic Acid (PFNA)	0.499	J	ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	2570	E	ng/l	1.78	0.449	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.271	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.577	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.232	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.873	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.517	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.716	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.332	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.292	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Lab Number: L2408804
Project Number: 508215230
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-12
Client ID: MW-7
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/15/24 09:42
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**47**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	114		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**139**	Q	71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	151		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-12 RE
Client ID: MW-7
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/15/24 09:42
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/24 11:42
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/22/24 16:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonic Acid (PFOS)	1940		ng/l	20.0	5.04	1
PFOA/PFOS, Total	1950		ng/l	20.0	5.04	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	125		69-131

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-13
Client ID: MW-8
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/15/24 14:10
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 21:30
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.845	J	ng/l	1.78	0.364	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.78	0.353	1
Perfluorobutanesulfonic Acid (PFBS)	1.22	J	ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	0.499	J	ng/l	1.78	0.292	1
Perfluoroheptanoic Acid (PFHpA)	0.613	J	ng/l	1.78	0.201	1
Perfluorohexanesulfonic Acid (PFHxS)	7.92		ng/l	1.78	0.335	1
Perfluorooctanoic Acid (PFOA)	0.909	J	ng/l	1.78	0.210	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.613	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	6.88		ng/l	1.78	0.449	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.271	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.577	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.232	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.873	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.517	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.716	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.332	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.292	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1
PFOA/PFOS, Total	7.79	J	ng/l	1.78	0.210	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Lab Number: L2408804
Project Number: 508215230
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-13
Client ID: MW-8
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/15/24 14:10
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	68		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	80		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	70		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-14
Client ID: MW-9
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/15/24 12:00
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 21:46
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	126		ng/l	1.79	0.365	1
Perfluoropentanoic Acid (PFPeA)	24.4		ng/l	1.79	0.354	1
Perfluorobutanesulfonic Acid (PFBS)	11.4		ng/l	1.79	0.213	1
Perfluorohexanoic Acid (PFHxA)	17.8		ng/l	1.79	0.293	1
Perfluoroheptanoic Acid (PFHpA)	8.29		ng/l	1.79	0.201	1
Perfluorohexanesulfonic Acid (PFHxS)	15.2		ng/l	1.79	0.336	1
Perfluorooctanoic Acid (PFOA)	15.9		ng/l	1.79	0.211	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.79	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.79	0.615	1
Perfluorononanoic Acid (PFNA)	0.565	J	ng/l	1.79	0.279	1
Perfluorooctanesulfonic Acid (PFOS)	0.776	J	ng/l	1.79	0.451	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.79	0.272	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	0.579	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.79	0.232	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	0.876	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.79	0.518	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.79	0.719	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	0.333	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.79	0.292	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.79	0.222	1
PFOA/PFOS, Total	16.7	J	ng/l	1.79	0.211	1

Project Name: REMEDIAL INVESTIGATION (STAGE **Lab Number:** L2408804

Project Number: 508215230 **Report Date:** 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-14 Date Collected: 02/15/24 12:00
Client ID: MW-9 Date Received: 02/16/24
Sample Location: FORMER CLINTON COUNTY AIRPORT Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**33**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**54**	Q	70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**49**	Q	57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	64		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**68**	Q	71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	121		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	134		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-15
Client ID: MW-10
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/15/24 12:35
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 22:03
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	13.7		ng/l	2.44	0.498	1
Perfluoropentanoic Acid (PFPeA)	4.32		ng/l	2.44	0.484	1
Perfluorobutanesulfonic Acid (PFBS)	1.56	J	ng/l	2.44	0.291	1
Perfluorohexanoic Acid (PFHxA)	3.42		ng/l	2.44	0.401	1
Perfluoroheptanoic Acid (PFHpA)	5.38		ng/l	2.44	0.275	1
Perfluorohexanesulfonic Acid (PFHxS)	2.75	F	ng/l	2.44	0.459	1
Perfluorooctanoic Acid (PFOA)	8.58		ng/l	2.44	0.288	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.42	J	ng/l	2.44	1.63	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.44	0.840	1
Perfluorononanoic Acid (PFNA)	4.96		ng/l	2.44	0.381	1
Perfluorooctanesulfonic Acid (PFOS)	10.8		ng/l	2.44	0.616	1
Perfluorodecanoic Acid (PFDA)	1.13	JF	ng/l	2.44	0.371	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.44	1.48	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.44	0.792	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.44	0.318	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.44	1.20	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.44	0.708	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.44	0.982	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.44	0.454	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.44	0.400	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.44	0.303	1
PFOA/PFOS, Total	19.4		ng/l	2.44	0.288	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-15
Client ID: MW-10
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/15/24 12:35
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**32**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**69**	Q	70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	63		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	67		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	75		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**181**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	81		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	71		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**189**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	38		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-16
Client ID: MW-11
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/15/24 13:15
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 22:19
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.84	0.375	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.84	0.364	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.84	0.219	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.84	0.301	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.84	0.207	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.84	0.345	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.84	0.217	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.84	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.84	0.632	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.84	0.287	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.84	0.463	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.84	0.279	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.595	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.239	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.900	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.533	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.738	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.342	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.300	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.228	1
PFOA/PFOS, Total	ND		ng/l	1.84	0.217	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-16
Client ID: MW-11
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/15/24 13:15
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	67		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	71		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	60		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	75		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-17
Client ID: MW-12
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/15/24 13:30
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 22:36
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	2.22		ng/l	1.78	0.364	1
Perfluoropentanoic Acid (PFPeA)	0.645	J	ng/l	1.78	0.353	1
Perfluorobutanesulfonic Acid (PFBS)	2.89		ng/l	1.78	0.212	1
Perfluorohexanoic Acid (PFHxA)	0.888	JF	ng/l	1.78	0.292	1
Perfluoroheptanoic Acid (PFHpA)	0.638	J	ng/l	1.78	0.201	1
Perfluorohexanesulfonic Acid (PFHxS)	14.9		ng/l	1.78	0.335	1
Perfluorooctanoic Acid (PFOA)	1.43	J	ng/l	1.78	0.210	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.78	1.19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.78	0.613	1
Perfluorononanoic Acid (PFNA)	0.282	J	ng/l	1.78	0.278	1
Perfluorooctanesulfonic Acid (PFOS)	5.58		ng/l	1.78	0.449	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.78	0.271	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.78	1.08	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.78	0.578	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.78	0.232	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.78	0.873	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.78	0.517	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.78	0.716	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.78	0.332	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.78	0.292	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.78	0.221	1
PFOA/PFOS, Total	7.01	J	ng/l	1.78	0.210	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-17
Client ID: MW-12
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/15/24 13:30
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**40**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**49**	Q	70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**54**	Q	57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	72		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**68**	Q	71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	100		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-18
Client ID: MW-13
Sample Location: FORMER CLINTON COUNTY AIRPORT

Date Collected: 02/15/24 10:45
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 22:52
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	6.57		ng/l	1.90	0.389	1
Perfluoropentanoic Acid (PFPeA)	1.30	J	ng/l	1.90	0.377	1
Perfluorobutanesulfonic Acid (PFBS)	1.04	J	ng/l	1.90	0.227	1
Perfluorohexanoic Acid (PFHxA)	1.11	JF	ng/l	1.90	0.312	1
Perfluoroheptanoic Acid (PFHpA)	0.602	J	ng/l	1.90	0.214	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.90	0.358	1
Perfluorooctanoic Acid (PFOA)	0.964	J	ng/l	1.90	0.225	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.90	1.27	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.90	0.656	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.90	0.297	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.90	0.480	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.90	0.290	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.90	1.15	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.90	0.617	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.90	0.248	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.90	0.934	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.90	0.553	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.90	0.766	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.90	0.354	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.90	0.312	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.90	0.236	1
PFOA/PFOS, Total	0.964	J	ng/l	1.90	0.225	1

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

SAMPLE RESULTS

Lab ID: L2408804-18
Client ID: MW-13
Sample Location: FORMER CLINTON COUNTY AIRPORT
Date Collected: 02/15/24 10:45
Date Received: 02/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**51**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**61**	Q	70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	79		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	75		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	88		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	71		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	83		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 16:48
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-18 Batch: WG1887062-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/20/24 16:48
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/20/24 07:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-18 Batch: WG1887062-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	100		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	56		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	46		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/24 11:08
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/22/24 16:44

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 12 Batch: WG1888235-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230
Lab Number: L2408804
Report Date: 02/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/24/24 11:08
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 02/22/24 16:44

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 12 Batch: WG1888235-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**158**	Q	58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**168**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**155**	Q	70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**153**	Q	57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**144**	Q	60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**165**	Q	71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**158**	Q	62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	127		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**157**	Q	59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**159**	Q	69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**156**	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	147		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**133**	Q	24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**156**	Q	55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**138**	Q	27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**160**	Q	48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	113		22-136

Lab Control Sample Analysis
Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE

Project Number: 508215230

Lab Number: L2408804

Report Date: 02/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-18 Batch: WG1887062-2								
Perfluorobutanoic Acid (PFBA)	94		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	95		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	95		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	94		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	90		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	94		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	101		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	94		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	88		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	99		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	94		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	107		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	89		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	90		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	88		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	87		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	86		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	107		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	92		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE

Project Number: 508215230

Lab Number: L2408804

Report Date: 02/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-18 Batch: WG1887062-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	82				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	78				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	49				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE

Project Number: 508215230

Lab Number: L2408804

Report Date: 02/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 Batch: WG1888235-2								
Perfluorobutanoic Acid (PFBA)	89		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	88		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	89		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	91		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	90		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	83		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	89		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	84		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	90		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	91		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	89		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	90		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	83		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	82		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	90		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	103		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	90		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	93		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	92		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	108		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	91		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230

Lab Number: L2408804
Report Date: 02/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 Batch: WG1888235-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**147**	Q			58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**169**	Q			62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**149**	Q			70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**145**	Q			57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**143**	Q			60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**153**	Q			71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**151**	Q			62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	132				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**150**	Q			59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**148**	Q			69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**148**	Q			62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	155				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**133**	Q			24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**152**	Q			55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	84				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**135**	Q			27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**154**	Q			48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	122				22-136

Matrix Spike Analysis

Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE

Project Number: 508215230

Lab Number: L2408804

Report Date: 02/27/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1887062-3 QC Sample: L2408804-03 Client ID: MW-16												
Perfluorobutanoic Acid (PFBA)	1.73J	39.1	38.6	94		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	2.25	39.1	38.2	92		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	34.7	33.4	96		-	-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	1.44J	39.1	37.8	93		-	-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	2.37	39.1	39.1	94		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	35.7	30.6	86		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	5.45	39.1	42.3	94		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	37.2	36.2	97		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	37.3	35.3	95		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	1.77J	39.1	40.0	98		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	36.3	30.4	84		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	0.278JF	39.1	37.3	95		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	37.5	37.0	99		-	-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	39.1	36.0	92		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	39.1	34.1	87		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	37.8	35.5	94		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	39.1	34.4	88		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	39.1	35.0	90		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	39.1	34.2	88		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	39.1	42.0	107		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	39.1	35.5	91		-	-		59-182	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE

Project Number: 508215230

Lab Number: L2408804

Report Date: 02/27/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1887062-3 QC Sample: L2408804-03 Client ID: MW-16												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	75				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	68				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	79				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	92				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	85				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE

Project Number: 508215230

Lab Number: L2408804

Report Date: 02/27/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1888235-3 QC Sample: L2408977-09 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	7.76	38.5	43.2	92		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	11.5	38.5	45.6	89		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	2.26	34.2	33.5	91		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	36.1	30.8	85		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	7.54	38.5	42.4	91		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	0.276J	36.2	29.7	81		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	3.52	38.5	37.7	89		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	1.26J	35.2	30.3	83		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	11.5	38.5	46.5	91		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	5.96	36.6	33.2	74		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.7	39.5	108		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	2.49	38.5	36.4	88		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	19.6	35.7	54.0	96		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	3.10	38.5	37.4	89		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.9	33.2	90		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	37	33.0	89		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38.5	27.3	71		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	0.299J	38.5	32.8	84		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	37.2	30.2	81		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	38.5	32.3	84		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38.5	32.0	83		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38.5	33.0	86		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE

Project Number: 508215230

Lab Number: L2408804

Report Date: 02/27/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1888235-3 QC Sample: L2408977-09 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	38.5	35.9	93		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38.5	31.7	82		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**199**	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**148**	Q			14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**158**	Q			71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	115				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	142				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	120				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	112				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**140**	Q			70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230

Lab Number: L2408804
Report Date: 02/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1887062-4 QC Sample: L2408804-10 Client ID: MW-2						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	0.785J	0.684J	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230

Lab Number: L2408804
Report Date: 02/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-18 QC Batch ID: WG1887062-4 QC Sample: L2408804-10 Client ID: MW-2						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		78		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**57**	Q	**59**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	71		71		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	67		67		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	70		72		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		86		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		79		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		60		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		82		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		87		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	69		74		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		63		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	58		57		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		78		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		31		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		57		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		81		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		78		22-136

Lab Duplicate Analysis
Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230

Lab Number: L2408804
Report Date: 02/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1888235-4 QC Sample: L2408977-13 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	8.52	9.08	ng/l	6		30
Perfluoropentanoic Acid (PFPeA)	15.1	16.1	ng/l	6		30
Perfluorobutanesulfonic Acid (PFBS)	3.47	3.29	ng/l	5		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	12.4	13.0	ng/l	5		30
Perfluoropentanesulfonic Acid (PFPeS)	0.388J	0.375J	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	5.45	5.74	ng/l	5		30
Perfluorohexanesulfonic Acid (PFHxS)	1.93	1.89	ng/l	2		30
Perfluorooctanoic Acid (PFOA)	19.7	20.7	ng/l	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	3.61	3.92	ng/l	8		30
Perfluorooctanesulfonic Acid (PFOS)	31.6	32.1	ng/l	2		30
Perfluorodecanoic Acid (PFDA)	6.20	6.29	ng/l	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230

Lab Number: L2408804
Report Date: 02/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1888235-4 QC Sample: L2408977-13 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**142**	Q	**154**	Q	58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**162**		**170**	Q	62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**184**	Q	**188**	Q	70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**313**	Q	**310**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**132**	Q	**147**	Q	57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**140**	Q	**152**	Q	60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**211**	Q	**217**	Q	71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**149**	Q	**164**	Q	62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**211**	Q	**222**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**147**	Q	**155**	Q	59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**170**	Q	**181**	Q	69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**140**	Q	**153**	Q	62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**160**		**179**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**126**	Q	**131**	Q	24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**142**	Q	**153**	Q	55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	17		44		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	116		119		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**148**	Q	**158**	Q	48-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230

Lab Number: L2408804
Report Date: 02/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1888235-4 QC Sample: L2408977-13 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	129		133		22-136

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230

Lab Number: L2408804
Report Date: 02/27/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2408804-01A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-01B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-02A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-02B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-03A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-03B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-04A	Plastic 250ml unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-04B	Plastic 250ml unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-05A	Plastic 250ml unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-05B	Plastic 250ml unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-06A	Plastic 250ml unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-06B	Plastic 250ml unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-07A	Plastic 250ml unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-07B	Plastic 250ml unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-08A	Plastic 250ml unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-08B	Plastic 250ml unpreserved	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-09A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-09B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-10A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-10B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-11A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-11B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)

*Values in parentheses indicate holding time in days

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230

Lab Number: L2408804
Report Date: 02/27/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2408804-12A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-12B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-13A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-13B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-14A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-14B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-15A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-15B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-16A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-16B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-17A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-17B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-18A	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)
L2408804-18B	Plastic 250ml unpreserved	B	NA		3.4	Y	Absent		A2-NY-537-ISOTOPE(28)

*Values in parentheses indicate holding time in days

Project Name: REMEDIAL INVESTIGATION (STAGE
Project Number: 508215230

Lab Number: L2408804
Report Date: 02/27/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: REMEDIAL INVESTIGATION (STAGE
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Lab Number: L2408804
Report Date: 02/27/24

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	REMEDIAL INVESTIGATION (STAGE	**Lab Number:**	L2408804
Project Number:	508215230	**Report Date:**	02/27/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

REFERENCES

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 2/19/24

ALPHA Job #: L2408804

Client Information

Client: KAS Inc.
Address: 13 Latour Ave, Suite 209
Plattsburgh, NY 12901
Phone: 518-563-9445
Fax:
Email: aaron@kas-consulting.com

Project Information

Project Name: Remedial Investigation (Stage III)
Project Location: Former Clinton County Airport
Project #: 508215230
(Use Project name as Project #): X
Project Manager: Aaron Roth
ALPHAQuote #:

Turn-Around Time

Standard: X — Due Date:
Rush (only if pre approved): ☐ — # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

X NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS								Sample Specific Comments	Total Bottle
08804 -01	MW-14	2/14/24	1250	GW	AP	X									
-02	MW-15	"	1258	"	"	X									
-03	MW-16	2/15/24	1120	"	"	X									
-04	MW-1	2/16/24	~~1110~~ 0900	"	"	X									
-05	MW-1D	"	1110	"	"	X									
-06	MW-3R	"	0945	"	"	X									
-07	MW-5	"	1030	"	"	X									
-08	MW-4	"	1100	"	"	X									
						X									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type			
Preservative			

Relinquished By:	Date/Time	Received By:	Date/Time
	2/16/24 1235	B Hyams	2/16/24 1235
			2/17/24 0030
AAL	2/19/24 0500	AAL	2/19/24 0500
AAL	2/19/24 06:12		2/19/24 06:12

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 2/19/24

ALPHA Job #: L2408804

Client Information
Client: KAS Inc.
Address: 13 Cotar Ave, Suite 204
Plattsburgh, NY 12901
Phone: 518-563-5445
Fax:
Email: aaron@kas-consulting.com

Project Information
Project Name: Remedial Investigation (Stage III)
Project Location: Former Clinton County Airport
Project #: 508215230
(Use Project name as Project #) [X]
Project Manager: Aaron Ruth
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information
[ ] Same as Client Info
PO #

Regulatory Requirement
[X] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

ANALYSIS
PFAS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS	Sample Specific Comments
08804-09	EB-1	2/8/24	1430	W	AP	X	
-10	MW-2	2/15/24	1440	GW	AP	X	
-11	MW-6		0930			X	
-12	MW-7		0942			X	
-13	MW-8		1410			X	
-14	MW-9		1200			X	
-15	MW-10		1235			X	
-16	MW-11		1315			X	
-17	MW-12		1330			X	
-18	MW-13		1045			X	

Container Type: P
Preservative: A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	2/16/24 1235		2/16/24 1235
			2/17/24 0030
AAL	2/19/24 0012	AAL	2/19/24 0500
			2/19/24 06:12

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX D

STAGE 3 SOIL BORING LOGS/WELL CONSTRUCTION DIAGRAMS

BORING LOG DIAGRAM
Boring No: SB-1(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/18	0-48"	0 - 3'' - Organic Loam	PT	
1.0	1.5' ▼		0.0	3"-4' - Silty sand, no odors or staining	SM	
1.5						
2.0	No			Wet @ 1.5'		
2.5	Well					
3.0	Installed					
3.5						
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
9.5						
10.0						
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
13.5						
14.0						
14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

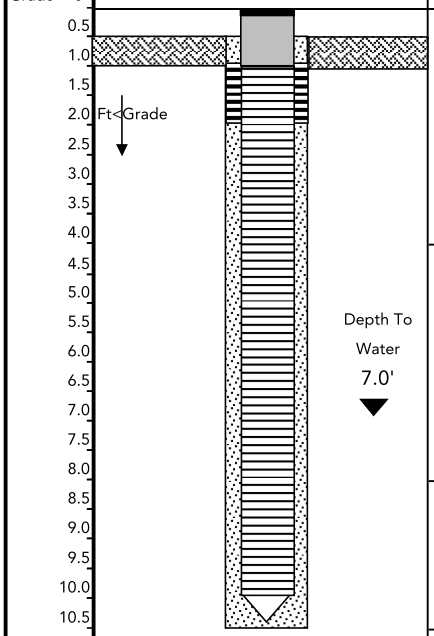
NM - Not Measured N/A - Not Applicable

Note: Above ground ~4ft well casing installed

BORING LOG/MONITORING WELL DIAGRAM
Boring No: SB-2(S3)/MW-9

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	Purging
		Screened Length:	9'



Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
	48/48	0-48" / 0.0	0 - 1' - Organic Loam 1'-4' - Silty sand, no odor or staining	PT SM	
	48/48	48-96" / 0.0	4-5' - Silty sand, no odor or staining 5-8' - Silty sand with embedded pebbles (finer) Wet @ 6.5'	SM SP	
	48/48	96-126" / 0.0	Silty sand with embedded pebbles	SP	
			Boring Terminated @ 10.5'		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-3(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/24	0-48"	0 - 6'' - Organic Loam	PT	
1.0			0.0	6''-4' - Silty sand, no odor or staining	SM	
1.5	Ft<Grade 2.0' ▼					
2.0						
2.5	No Well Installed			Wet @ 2.0'		
3.0						
3.5						
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
9.5						
10.0						
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
13.5						
14.0						
14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-4(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48" 0.0	0 - 2" - Organic Loam 2"-4' - Silty sand, no odor or staining	PT SM	
1.0						
1.5	Ft<Grade					
2.0						
2.5	No					
3.0	Well					
3.5	Installed					
4.0						
4.5		48/36	48-96" 0.0	4'-8' - Silty sand with embedded pebbles No odor staining	SP	
5.0						
5.5						
6.0						
6.5	7.0'					
7.0				Wet @ 7.0'		
7.5						
8.0						
8.5				Boring Terminated @ 8.0'		
9.0						
9.5						
10.0						
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
13.5						
14.0						
14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-5(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48"	0-2" - Organic Loam	PT	
1.0			0.0	2"-6" - Sandy silt	SM	
1.5	Ft<Grade			6"- 9" - Small clay layer, few fines (silts)	CL	
2.0				9"- 4' - Sandy silt	SM	
2.5	No 3.0'			No odor or staining		
3.0	Well					
3.5	Installed			Wet @ 3.0'		
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
9.5						
10.0						
10.5						
11.0						
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13.5						
14.0						
14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-6(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48"	0"-6" - Organic loam	PT	
1.0			0.0	6"-4' - Silty sand, no odor or staining	SM	
1.5	Ft<Grade					
2.0						
2.5	No					
3.0	Well 3.0'					
3.5	Installed			Wet @ 3.0'		
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
9.5						
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14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-7(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/30	0-48"	0"-2" - Organic Loam	PT	
1.0			0.0	2"- 4' - Silty sand, no odor or staining	SM	
1.5	Ft<Grade					
2.0						
2.5	No					
3.0	Well					
3.5	Installed					
4.0						
4.5		48/16	48-96"	4'-8' - Silty sand, odor or staining	SM	
5.0			0.0			
5.5						
6.0						
6.5						
7.0						
7.5	8.0'					
8.0	▼			Wet @7.5-8'		
8.5				Boring Terminated @ 8.0'		
9.0						
9.5						
10.0						
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
13.5						
14.0						
14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-8(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/24	0-48"	0"- 6" - Organic loam	PT	
1.0			0.0	6"-4' - Silty sand, no odor or staining	SM	
1.5	Ft<Grade					
2.0	2.0' ▼					
2.5				Wet @ 2.0'		
3.0	No Well Insalled					
3.5						
4.0				Boring Terminated @ 4.0'		
4.5						
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
9.5						
10.0						
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
13.5						
14.0						
14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable

Note: Above ground ~4ft well casing installed

BORING LOG DIAGRAM
Boring No: SB-9(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/30	0-48"	0"-8" - Organic loam	PT	
1.0			0.0	8"-4' - Sandy silts, no odor or staining	SM	
1.5	Ft<Grade					
2.0	2.5'					
2.5	No					
3.0	Well			Wet @ 2.5'		
3.5	Installed					
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
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Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-10(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48"	0"-6" - Organic loam	PT	
1.0			0.0	6"-16" - Sandy silts	SM	
1.5	Ft<Grade			16"-4' - Silty sands		
2.0				Slight swampy odor, no staining		
2.5	No					
3.0	Well 3.0'					
3.5	Installed			Wet @ 3.0'		
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
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18.0						
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Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-11(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/30	0-48"	0"-4" - Organic Loam	PT	
1.0			0.0	4"- 4' - Silty sands, no odor or staining	SM	
1.5	Ft<Grade					
2.0						
2.5	2.5' ▼					
3.0				Wet @ 2.5'		
3.5						
4.0						
4.5				Boring Terminated @ 4.0'		
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Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable

Note: Above ground ~4ft well casing installed

BORING LOG DIAGRAM
Boring No: SB-12(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/05/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48"	0"- 6" - Organic loam	PT	
1.0			0.0	6"-16" - Silty sands	SM	
1.5	Ft<Grade			16"- 4' - Sandy silts		
2.0				Slight swampy odor, no staining		
2.5	No					
3.0	Well ▼ 3.0'					
3.5	Installed			Wet @ 3.0'		
4.0						
4.5				Boring Terminated @ 4.0'		
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Legend

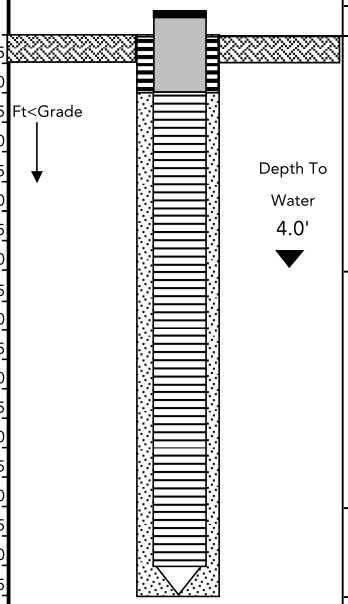
- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG/MONITORING WELL DIAGRAM
Boring No: SB-13(S3)/MW-10

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/06/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	Purging
		Screened Length:	8'



Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
	48/30	0-48" / 0.0	0"-1" - Organic Loam 1"-4' - Silty sand Slight swampy odor, no staining Wet @ 4.0'	PT SM	
			4'-8' - Silty sand, no odor staining	SM	
			8'-9.5' - Silty sand, no odor or staining	SM	
			Boring Terminated @ 9.5'		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable

Note: Above ground ~4ft well casing installed

BORING LOG DIAGRAM
Boring No: SB-14(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/06/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/30	0-48"	0"- 4' Silty sand, no odor or staining	SM	
1.0			0.0			
1.5	Ft<Grade					
2.0	2.5'					
2.5	No					
3.0	Well			Wet @ 2.5'		
3.5	Installed					
4.0				Boring Terminated @ 4.0'		
4.5						
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Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-15(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/06/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48"	0"-6" - Organic loam	PT	
1.0			0.0	6"- 4' - Silty sand, no odor or staining	SM	
1.5	Ft<Grade					
2.0	2.5'					
2.5	No					
3.0	Well			Wet @ 2.5'		
3.5	Installed					
4.0				Boring Terminated @ 4.0'		
4.5						
5.0						
5.5						
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Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-16(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/06/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48"	0"- 6" - Organic loam	PT	
1.0			0.0	6"- 26" - Silty sand	SM	
1.5	Ft<Grade			26"- 4' - Sandy silt		
2.0	No			Slight swampy odor, no staining		
2.5	Well					
3.0	Installed 3.0' ▼			Wet @ 3.0'		
3.5						
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
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18.0						
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Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable

Note: Above ground ~4ft well casing installed

BORING LOG DIAGRAM
Boring No: SB-17(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/06/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2'
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48"	0"- 8" - Organic Loam	PT	
1.0			0.0	8"- 4' - Silty sand, no odor or staining	SM	
1.5	Ft<Grade					
2.0						
2.5	No					
3.0	Well	3.0' ▼				
3.5	Installed			Wet @ 3.0'		
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
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Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-18(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/06/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/30	0-48"	0"- 4" - Organic loam	PT	
1.0			0.0	4"-4' - Silty sand	SM	
1.5	Ft<Grade			Slight swampy odor, no staining		
2.0	No Well Installed 2.5' ▼					
2.5						
3.0				Wet @ 2.5'		
3.5						
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
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Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable

Note: Above ground ~4ft well casing installed

BORING LOG DIAGRAM
Boring No: SB-19(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/06/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/30	0-48"	0"-2 0" - Silty sand, no odor or staining	SM	
1.0			0.0	20"- 28" - Organic loam		
1.5	Ft<Grade			28"-30" - Gravel lense, no odor or staining, but wet		
2.0	No			30"-4' - Silty sand, no odor or staining		
2.5	Well 2.5' ▼				PT	
3.0	Installed			Wet @ 2.5'	GW	
3.5					SM	
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
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7.5						
8.0						
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9.0						
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Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-20(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/06/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/18	0-48"	0"- 6" - Organic loam	PT	
1.0			0.0	6"- 7" - Gravel lense	GW	
1.5	Ft<Grade			7"- 4' - Silty sand, no odor or staining	SM	
2.0	No					
2.5	Well					
3.0	Installed					
3.5						
4.0						
4.5		48/24	48-96"	Silty sand, no odor or staining	SM	
5.0			0.0			
5.5						
6.0						
6.5						
7.0	7.5'					
7.5	▼					
8.0				Wet @ 7.5'		
8.5				Boring Terminated @ 8.0'		
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Legend

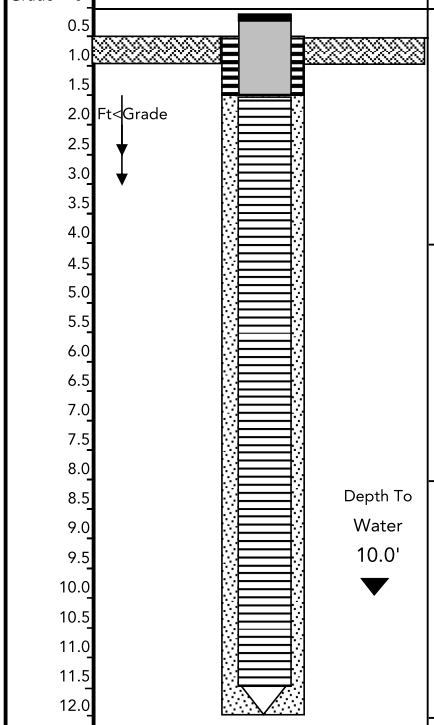
- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG/MONITORING WELL DIAGRAM
Boring No: SB-21(S3)/MW-11

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/06/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	Purging
		Screened Length:	10'



Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
	48/32	0-48" 0.0	0"- 4" - Organic Loam 4"- 4' - Silty sand, no odor or staining Wet @ 2.5'	PT SM	
	48/24	48-96" 0.0	4'- 6' - Silty sand 6'- 8' - Silty sand with embeded pebbles No odor or staining	SM GW	
	48/36	96-144" 0.0	8' - 12' - Silty sand, no odor and staining	SM	
			Boring Terminated @ 12.0'		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-22(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/06/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/30	0-48"	0"-4" - Organic poam	PT	
1.0			0.0	4"-30" - Silty gray clay	CL	
1.5	Ft<Grade			30"- 4' Silty sand		
2.0	2.5'			No odor or staining		
2.5	No					
3.0	Well			Wet @ 2.5'	SM	
3.5	Installed					
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
9.5						
10.0						
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
13.5						
14.0						
14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-23(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/26	0-48" 0.0	0"-10" - Organic Loam 10"- 4' - Sandy silts, no odor or staining	PT SM	
1.0						
1.5	Ft<Grade					
2.0						
2.5	No Well Installed					
3.0						
3.5						
4.0						
4.5		48/18	48-72" 0.0	4-8'- Sandy silt, no odor or staining	SM	
5.0	5'5 ▼					
5.5				Wet @ 5.5'		
6.0						
6.5						
7.0						
7.5						
8.0						
8.5				Boring Terminated @ 8.0'		
9.0						
9.5						
10.0						
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
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Legend

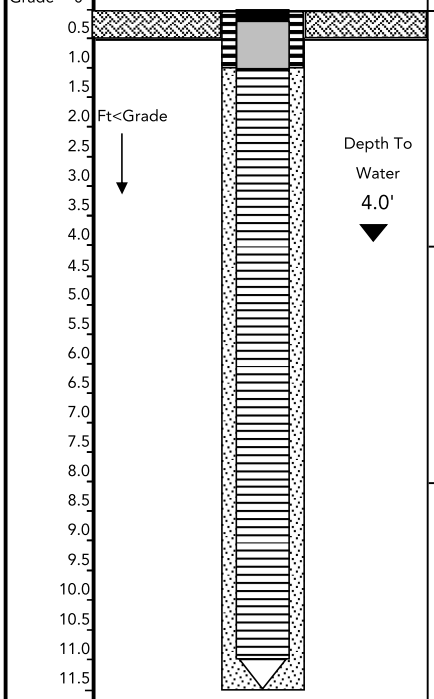
- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG/MONITORING WELL DIAGRAM
Boring No: SB-24(S3)/MW-12

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA



Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
	48/16	0-48" / 0.0	0"- 2" - Organic loam 2"- 4' - Silty sand, no odor or staining	PT SM	
	48/24	48-72" / 0.0	4'-8' - Silty sand, no odor or staining Wet @ 6.0'	SM	
			Boring Terminated @ 11.5'		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-25(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/20	0-48"	0 - 4" - Organic Loam	PT	
1.0	1.5'		0.0	4"- 6" - Gravel lense, few fines/silt	GW	
1.5	Ft<Grade ▼			6"- 4' - Sandy silts, no odor or staining	SM	
2.0						
2.5	No					
3.0	Well			Wet @ 1.5'		
3.5	Installed					
4.0				Boring Terminated @ 4.0'		
4.5						
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
9.5						
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13.5						
14.0						
14.5						
15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-26(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/20	0-48"	0"- 2" - Organic loam	PT	
1.0			0.0	2"- 4' - Silty sand	SM	
1.5	Ft<Grade			Slight swampy odor, no staining		
2.0	2.0' ▼					
2.5	No Well Installed					
3.0				Wet @ 1.5-2'		
3.5						
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
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8.5						
9.0						
9.5						
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15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-27(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48"	0"- 10" - Ashpalt	-	
1.0			0.0	10"- 4' - Sandy silt, no odor or staining	SM	
1.5	Ft<Grade					
2.0						
2.5	No					
3.0	Well					
3.5	Installed					
4.0						
4.5		48/24	48-96"	4' - 5' - Sandy silt, no odor or staining	SM	
5.0			0.0	5'- 6" - Clay with embedded gravel/pebbles		
5.5				6'- 8' - Clay, no staining or odor	GW	
6.0						
6.5					CL	
7.0	7.5'					
7.5				Wet @ 7.5'		
8.0						
8.5				Boring Terminated @ 8.0'		
9.0						
9.5						
10.0						
10.5						
11.0						
11.5						
12.0						
12.5						
13.0						
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15.0						
15.5						
16.0						
16.5						
17.0						
17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-28(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/18	0-48"	0"-12" - Asphalt	-	
1.0			0.0	12"- 4' - Sandy silt, no staining or odor	SM	
1.5	Ft<Grade					
2.0						
2.5	No					
3.0	Well					
3.5	Installed					
4.0	4.5' ▼					
4.5		96/6	48-96"	4''- 4'2"- Sandy Silt	SM	
5.0			0.0	4'2"- 4'6" - Clay with embedded gravel/pebbles	GW	
5.5				4'6" - 8' - Clay, no staining or odor	CL	
6.0				Wet @ 4.5'		
6.5						
7.0						
7.5						
8.0						
8.5				Boring terminated @ 8.0'		
9.0						
9.5						
10.0						
10.5						
11.0						
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12.5						
13.0						
13.5						
14.0						
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17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-29(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48"	0"- 12" - Asphalt	-	
1.0			0.1	12"- 24" - Sandy silt, no odor or staining	SM	
1.5	Ft<Grade			24"- 36" - Grey clay with embedded gravel/pebbles		
2.0				36"- 4' - Sandy silt, no odor or staining	GW	
2.5	No					
3.0	Well 3.0' ▼			Wet @ 3.0'	SM	
3.5	Installed					
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
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Legend

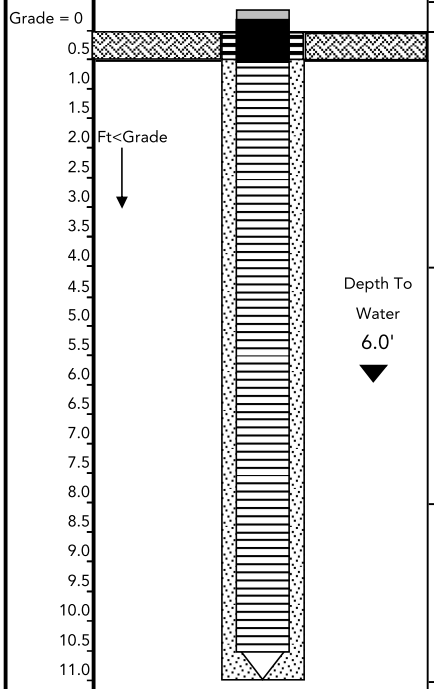
- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG/MONITORING WELL DIAGRAM
Boring No: SB-30(S3)/MW-13

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/08/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	Purging
		Screened Length:	10'



Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
	48/20	0-48" 0.0	0"- 4" - Organic loam 4"- 6" - gravel lense, no odor or staining 6"- 10" - Gray clay, no odor or staining 10"- 4'- Silty sand, no odor or staining Wet @ 1.5 -2'	PT GW CL SM	
	48/36	48-96" 0.0	4'-6' - Silty sand, no odor and staining 6'-8' - Sandy silt, no odor or staining	SM	
		96-132" 0.0	8'-11' - Sandy silt, no odor or staining	SM	
			Boring Terminated @ 11.0'		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-31(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/36	0-48"	0"- 6" - Organic loam	PT	
1.0			0.0	6"- 20" - Silty sand, no odor or staining	SM	
1.5	Ft<Grade			20"-36" - Silty clay, no odor or staining	CL	
2.0				36"- 4' - Organic loam		
2.5	No					
3.0	Well 3.5'					
3.5	Installed ▼				PT	
4.0				Wet @ 3.5'		
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
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Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-32(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/30	0-48"	0"- 6" - Organic loam	PT	
1.0			0.0	6"- 4' - Silty sand, no odor or staining	SM	
1.5	Ft<Grade					
2.0	2.5' ▼					
2.5	No Well Installed			Wet @ 2.5'		
3.0						
3.5						
4.0				Boring Terminated @ 4.0'		
4.5						
5.0						
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Legend

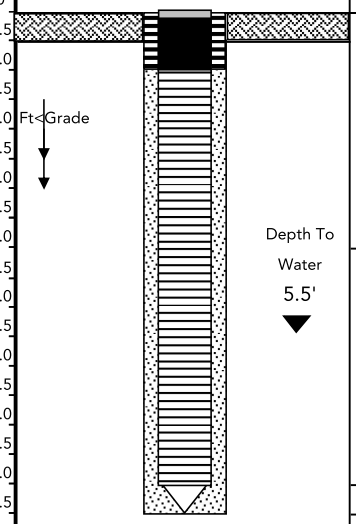
- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG/MONITORING WELL DIAGRAM
Boring No: SB-33(S3)/MW-14

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/08/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	Purge
		Screened Length:	7'



Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
	48/44	0-48" / 0.0	0"- 2" - Organic loam	PT	
			2"- 36" - Silty clay	CL	
			36"-38" - Silty sand, no odor or staining		
			Wet @ 3.5-4'	SM	
	48/26	48-96" / 0.0	4'-8' - Silty sand, no odor or staining	SM	
	-	96-102"	8'-8.5' - Silty Sand	SM	
			Boring Terminated @ 8.5'		

Legend

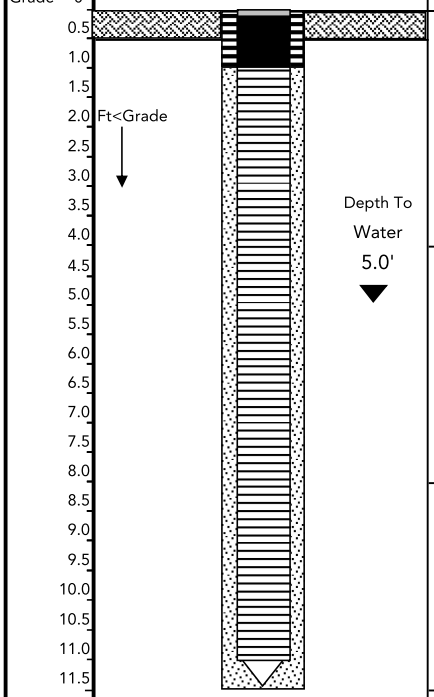
- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG/MONITORING WELL DIAGRAM
Boring No: SB-34(S3)/MW-15

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	Purge
		Screened Length:	10"



Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
	48/36	0-48" / 0.0	0"-4" - Organic loam	PT	
			4"- 4' - Sandy silt, no odor or staining	SM	
			Wet @ 3.0'		
	48/24	48-96" / 0.0	4'-8' - Sandy silt, no odor or staining	SM	
		96-138"	8'-11.5' - Sandy silt, no odor or staining	SM	
			Boring Terminated @ 11.5'		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-35(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/07/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/34	0-48"	0"- 4" - Organic loam	PT	
1.0			0.0	4"- 4' - Sandy silt, no odor or staining	SM	
1.5	Ft<Grade					
2.0						
2.5	No					
3.0	Well 3.0'					
3.5	Installed			Wet @ ~3.0'		
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
7.0						
7.5						
8.0						
8.5						
9.0						
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16.5						
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17.5						
18.0						
18.5						
19.0						

Legend

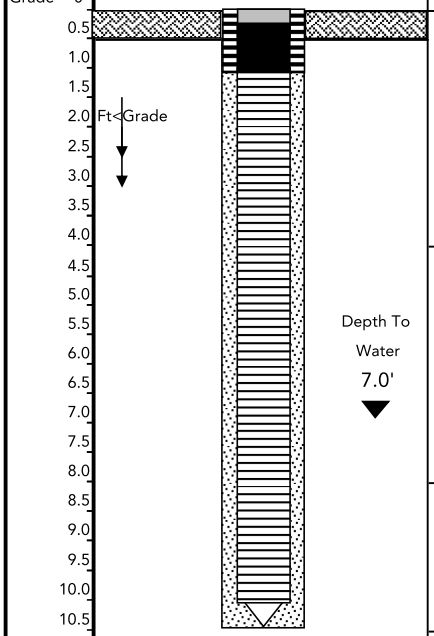
- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG/MONITORING WELL DIAGRAM
Boring No: SB-36/MW-16

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/08/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	Purge
		Screened Length:	7'



Well Construction	Pen/Rec (")	Interval (") PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
	48/36	0-48"	0"- 6" - Organic loam 6"- 26" - Silty sand, no odor or staining 26"- 4' - Course sand, few or no fines	SP SM SP	
	48/40	48-96"	4'-8' - Course sand, few fines No odor or staining Wet @ 7.5'		
			8'-10.5' - Silty sand, no odor or staining	SM	
			Boring Terminated @ 10.5'		

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-37(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/08/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/30	0-48"	0"- 4" - Organic loam	PT	
1.0			0.0	4"- 4' - Silty sand, no odor or staining	SM	
1.5	Ft<Grade					
2.0	2.5' ▼					
2.5	No Well Installed					
3.0				Wet @ 2.5'		
3.5						
4.0						
4.5				Boring Terminated @ 4.0'		
5.0						
5.5						
6.0						
6.5						
7.0						
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18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

BORING LOG DIAGRAM
Boring No: SB-38(S3)

Site Characterization - Stage 3
Former Clinton County Airport, Plattsburgh, NY

KAS Project #:	508215230	Date:	02/08/24
Drilled by :	KAS, Inc.	Drilling Method:	Direct Push
Supervised by:	Alex Price	Boring Diameter.:	2"
		Development Method:	NA
		Screened Length:	NA

Grade = 0	Well Construction	Pen/Rec (")	Interval (") / PID (ppmv)	Soil Characteristics	Letter Symbol	Graphic Symbol
0.5		48/30	0-48"	0"-4" - Organic loam	PT	
1.0			0.0	4"-4' - Silty sand, no odor or staining	SM	
1.5	Ft<Grade 2.0' ▼					
2.0						
2.5	No Well Installed			Wet @ 2.0"		
3.0						
3.5						
4.0						
4.5				Boring Terminated @ 4.0'		
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5.5						
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17.5						
18.0						
18.5						
19.0						

Legend

- Road Box with Bolt Down Cover, Set in Cement.
- Existing Surface.
- Bentonite Seal Placed in Annulus.
- Drill Cuttings Placed in Annulus.
- Grade #1 Silica Sand Pack Placed in Annulus.
- Locking Plug.
- 2" ID, Schedule 40 PVC Riser.
- 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen
- Plug Point
- ▼ Approximate Water Level During Drilling, below grade

NM - Not Measured N/A - Not Applicable WOH - Weight of Hammer

APPENDIX E

RESUMES

KAS, INC.
PROFESSIONAL PROFILE

JOHN M. KANOZA, P.E., P.G., C.P.G.

Title	**Senior Project Manager**
Expertise	Civil and environmental engineering design, inspection, permitting, estimating, and project management. Residential and facility wastewater treatment and conveyance system design; Residential and facility water treatment and distribution system design; Hazardous waste and chemical/petroleum spill and contamination investigation and remedial design.
Experience	**Senior Project Manager – KAS, Inc., Plattsburgh, NY (January 2024 – Present)** Engineering design, inspection and project management for a wide variety of civil and environmental projects in Northern New York. **Director of Public Health – Clinton County Health Department (October 2017 – December 2021)** Provided management of day-to-day operations and personnel of the Health Department (including 65 staff) to achieve the department's vision, mission, and numerous program objectives. Promoted individual and population health in Clinton County by providing senior management, leadership and public health expertise; Provided and maintained the essential services of public health to ensure compliance with a broad range of current local and NYS Health and Environmental codes, regulations and policies; Participated in multi-faceted community health and environmental projects; Provided technical assistance and information to individuals, families, local municipalities and groups regarding public health and environmental issues; Guided Department recertification as an accredited Health Department; Managed Department Covid-19 Public Health Emergency Response efforts 2020-2021. **Director/Engineer of Environmental Health & Safety – Clinton County Health Department, Clinton County, NY (September 2002 – October 2017);** Responsible for administering, planning, managing, implementing, and enforcing 24 specific environmental health and safety programs State mandated core, locally adopted, and engineering programs to ensure compliance with applicable standards of public health and safety; Supervised/mentored 20 professional, technical, and clerical staff; Oversight and enforcement of Public Health Law, State, and Local Sanitary code in Clinton County; Responsible for administering, planning, and implementing technical environmental and sanitation engineering duties; Engineering duties were performed in accordance with established engineering principles, codes, regulations, and local and State Public Health Laws and State Education Department Rules; Review and approval of complex engineering plans, design plan modifications by consulting engineers and architects; Inspection and approval for residential and facility sewage treatment and disposal systems, water treatment systems at regulated public water supplies, sewer and water supply extensions and realty subdivisions, and other regulated projects submitted by consulting engineers for compliance with local/state regulations and standards. **Senior Project Engineer/Hydrogeologist – Beardsley Design Associates – Syracuse, NY (October 2000 – September 2002) and C&S Engineers, Inc. – Syracuse, NY (August 1988 – October 2000)** Engineering design, permitting, inspection and construction project management for Water Supply, Treatment, and Distribution System Design; Wastewater Treatment System Design; Municipal and Industrial Environmental Compliance and Safety; Solid Waste Facility Engineering Design and Management; Petroleum Spill Investigation and Remedial Design; and Hazardous Waste Site Investigations and Remedial Design.
Academics	Master of Science (M.S.), Environmental and Resource Engineering, State University of New York College of Environmental Science & Forestry, December 1990; Bachelors of Science (B.S.), Geochemistry, S.U.N.Y @ Oswego, May 1986; Bachelors of Science (B.S.), Geology, S.U.N.Y @ Oswego, May 1986.
Professional	Licensed Professional Engineer (P.E.), New York State; Licensed Professional Geologist (P.G.), New York State; Certified Professional Geologist (C.P.G.), American Institute of Professional Geologists; 40-Hour OSHA Hazardous Waste (HAZWOPER) Training; Incident Command System (ICS) Training (100-400).
Civic Service	Former Clinton County Board of Health (BOH) Administrative Secretary Member & Former Chairperson, Clinton County Water Quality Coordinating Committee Former Lake Champlain Basin Program (LCBP) – Technical Advisory Committee (TAC) member Former Town of Plattsburgh Water & Sewer Advisory Board member Former Plattsburgh Air Force Base (PAFB) Restoration Advisory Board member Former City of Plattsburgh Planning Board Member & Infrastructure Advisory Committee Member

KAS, INC.
PROFESSIONAL PROFILE

AARON ROTH

TITLE	**Branch Manager, Plattsburgh**
EXPERTISE	Management of Plattsburgh, NY Branch, environmental project management, client management, property due diligence assessments, asbestos and lead-based paint consulting, mold assessments, Industrial Hygiene services, contaminated site investigation and clean up.
EXPERIENCE	**KAS, Inc., Plattsburgh, New York. December 2009 – Present.** Program and Branch Manager in KAS's Plattsburgh, New York office. Program management of due diligence, remediation, asbestos, lead-based paint, mold and industrial hygiene services. Business development activities and management. **Plattsburgh State University, Plattsburgh, New York August 2017-2019** Adjunct Professor at Plattsburgh State University – Environmental Science Department. Professor of Environmental Impact Assessment (Env. 417). **Talus Environmental Consulting, LLC, Lakewood, Colorado 2006-2009.** Conducted and managed due diligence, asbestos, contaminated site investigations, remedial systems installation, operations and maintenance, senior document review, supervision, client interaction. **ATC Associates, Inc., Centennial, Colorado 2003-2006.** Conducted due diligence, asbestos consulting, contaminated sites management, field work design, senior report review, RCRA facility investigations. **Freudenthal and Elkowitz Consulting Group, Inc., Commack, New York, 2001-2003.** Conducted Environmental Impact Statements, NEPA screening reports, due diligence, report preparation, field work.
ACADEMIC BACKGROUND	B.A., SUNY Plattsburgh, Environmental Planning and Resource Management
PROFESSIONAL QUALIFICATIONS	ASTM/EPA Environmental Professional New York State Certified Asbestos Inspector/Management Planner New York State Certified Mold Assessor State of Colorado Listed Consultant #6161 Mold Inspection and Assessment Condition Training, August 2005 ASTM Phase I Environmental Site Assessment Practices For Commercial Real Estate: Transaction Screen & Phase I Site Assessment, April 2012 IAQ/IH Sampling Workshop, August 2012
OTHER	OSHA 1910.120 Hazardous Waste Site Worker

KAS, INC.
PROFESSIONAL PROFILE

JEREMY P. ROBERTS, P.G.

TITLE **Environmental Program Manager / Principal**

EXPERTISE Environmental program project management. Collection of environmental samples and operation and maintenance of hazardous waste treatment systems. Project management, geological investigations, hazardous waste site assessments, water system monitoring and maintenance, groundwater and soil contamination, remedial system design, installation, and operation. Wetland delineation. Phase I and Phase II Environmental Site Assessments.

EXPERIENCE **KAS, Inc., Williston, VT October 2004 – Present.** Management of KAS' environmental projects/ programs, including environmental site assessments, UST removals, site investigations, and environmental clean up activities. Foster technical innovation, quality control and assurance on projects and written materials. Business development activities for environmental programs. Project Management.

Griffin International, Inc., Williston, VT January 2002 – October 2004. Project management. Technical report writing. Geological investigations. Hazardous waste site assessments. Phase I and Phase II environmental site assessments. Collection of groundwater, surface water, and soil samples, soil screening, and soil vapor extraction system monitoring and maintenance.

ACADEMIC BACKGROUND BS, Plant and Soil Science, University of Vermont. May 1999.

PROFESSIONAL QUALIFICATIONS
New York Licensed Geologist #000453-1
ASTM/EPA Environmental Professional
40 Hour OSHA 29CFR1910.120 Hazardous Worker Training
40 Hour Certification in Federal Wetland Delineation, Identification, and Classification.
Vermont Certified Asbestos Site Inspector
ASTM Phase I Environmental Site Assessment Practices For Commercial Real Estate: Transaction Screen & Phase I Site Assessment, April 2012
IAQ/IH Sampling Workshop, August 2012
Practical Guide to Vapor Intrusion Course, April 2016