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# Former Clinton County Airport Lot A, D and J Plattsburgh, NY 12901

NYSDEC SITE NO. 510026  
KAS Project #508215230

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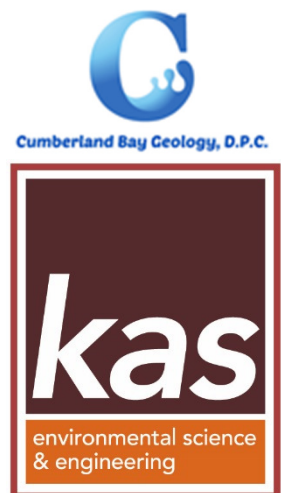
## SITE CHARACTERIZATION REPORT – STAGE 1

May 27, 2022 – REVISED June 17, 2022

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*Prepared for:*

Clinton County Government  
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Plattsburgh, New York 12901



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## 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 A, D, and J on the former Clinton County Airport in Plattsburgh, New York. This site characterization is considered Stage 1 of the characterization work and focused on surface and subsurface soils on Lots A, D and J (herein referred to as the Site). The scope of work performed was outlined in the Revised Site Characterization Work Plan dated April 15, 2022 and approved by the New York State Department of Environmental Conservation (NYSDEC) on April 26, 2022.

Specifically, this site characterization work was performed to identify and document potential impacts in soils pertaining to Per- and Polyfluoroalkyl Substances (PFAS), Target Compound List (TCL), Target Analyte List (TAL), and cyanide. The TCL includes volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and pesticides and the TAL includes metals. The soil data will also be used to update the approved Soil and Groundwater Management Plan that will provide guidance during planned redevelopment activities for the Site.

Based on the field observations, measurements, and laboratory results, KAS presents the following conclusions:

1. A total of twenty-eight (28) soil borings were advanced into the water table (saturated soils) to depths ranging from 4 to 12 feet below ground surface (bgs) with groundwater encountered between 2.5 to 6.0 feet bgs. Soil samples were collected for laboratory analysis from each boring (28 total) at the soil/groundwater interface for PFAS. Additionally, eight (8) surface soil samples were collected from select borings and analyzed for PFAS, TCL, 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;
2. Field measurements (photoionization detector (PID) readings of soils for VOCs) and observations (visual and olfactory) did not identify any obvious signs of subsurface impacts;
3. Low level detections of various PFAS were identified in sixteen (16) of the thirty-seven (37) soil samples (including the duplicate sample). The total PFAS concentrations that were identified ranged from 0.031 nanograms per gram (ng/g) or parts per billion (ppb) to 5.25 ng/g (ppb). Perfluorooctane sulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA) results were compared to the June 2021 Sampling, Analysis, and Assessment of PFAS and found to be below Unrestricted soil cleanup guidance values except for a detection of PFOS (1.88 ng/g (ppb)) in the SB-3 (0-2') sample location above the unrestricted use standard. This detection was below residential and commercial standards;
4. Two of the soil samples (SB-8 and SB-24), were analyzed for PFAS by Methods 537.1 and SPLP. The SPLP method determines the leachate potential and is a modified groundwater analysis that can have more sensitive detection limits. When comparing these results, SB-8 had no detections of PFAS using the 537.1 Method, but had a total PFAS concentration of 39.385 ng/L using the SPLP method. The SB-24 sample was also non-detect for PFAS using the 537.1 Method and had a total PFAS concentration of 5.270 ng/L using the SPLP method. When the SPLP concentrations are compared to 10

ppt, the SB-8 soil results exceed this value. Groundwater will be evaluated in the future investigation for the Site; and,

5. The majority TCL, TAL and cyanide samples analyzed were non-detect. The samples with detections had detections below the NYSDEC Soil Cleanup Objectives (SCO) – Unrestricted Use Standards with the exception of two samples (SB-5 and SB-6), which had detections of Acetone that exceed the NYSDEC SCO – Unrestricted Use Standard. However, Acetone is a common laboratory contaminant and in KAS' professional judgment it is likely the laboratory contamination is the cause of the detection of Acetone. The detection also had a qualifier note that it was an estimated value by the laboratory.

Based on the findings, KAS presents the following recommendations:

- No additional site characterization work associated with soils on Lot A, D and J appears warranted;
- The Soil and Groundwater Management Plan should be modified to address these findings of this report;
- A copy of this report must be provided to the NYSDEC; and,
- If conditions are encountered during planned redevelopment activities on Lot A, D and J that differ from those identified in this report, an environmental professional should be contacted to assess the soils to ensure proper handling.



## 2.0 REPORT PREPARATION/CERTIFICATION

KAS, Inc. (KAS) has performed site characterization, under the supervision of New York State professional geologist, at Lot A, D and J on the former Clinton County Airport in Plattsburgh, New York. This report has been prepared and reviewed by the following personnel. The project was performed by KAS under the supervision of 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.

Prepared By:

A handwritten signature in black ink, appearing to read "AH", is written over a horizontal line.

Anthony Harvey  
Project Manager, KAS, Inc.

Reviewed By:

A handwritten signature in black ink, appearing to read "JR", is written over a horizontal line.

Jeremy Roberts, P.G.  
Principal, Cumberland Bay Geology, DPC

## 3.0 INTRODUCTION / BACKGROUND / OBJECTIVES

### 3.1 Introduction

This report summarizes the site characterization conducted at Lots A, D, and J on the former Clinton County Airport in Plattsburgh, New York (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. KAS performed this assessment for Barton & Loguidice, D.P.C (B&L) on behalf of Clinton County Government. This site characterization work focused on soils on Lots A, D and J (Stage 1) that will be disturbed during planned redevelopment activities for Spring 2022 and this data will be supplemented by subsequent site characterization work associated with other lots and groundwater at/beneath the former Clinton County Airport.

### 3.2 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<sup>1</sup>), is a Class C (fishing and non-contact activities) water body pursuant to 6 NYCRR Parts 700-705. The Site can be accessed from an access road that connects to Industrial Boulevard to the north. Currently, the planned redevelopment activities for the Site consist of the installation of a road/underground utilities and a warehouse (light industrial) building.

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.<sup>2</sup> 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 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

<sup>1</sup> <https://www.dec.ny.gov/data/WQP/PWL/1003-0049.html?req=19981>

<sup>2</sup> [https://www.cdc.gov/biomonitoring/PFAS\\_FactSheet.html](https://www.cdc.gov/biomonitoring/PFAS_FactSheet.html)



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.

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 Guidance Series (TOGS) 1.1.1: Ambient Water Quality Standards and Guidance Values and Groundwater.

In preparation for future redevelopment on Lot D, KAS conducted a pre-characterization investigation of saturated soils. KAS oversaw the advancement of a total of twenty (20) test pits to a maximum of 4 to 8 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 a total of 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.

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 has retained Barton & Loguidice, D.P.C. (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.

## **4.0 SITE CHARACTERIZATION**

### *4.1 Pre-Sampling Activities*

Prior to the initiation of work at the Site, KAS prepared a health and safety plan (HASP) and a Community Air Monitoring Plan (CAMP; see Appendix E) 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 underground utilities (Ticket # 04182-000-447). A dust monitor (Dustrak 8520) was placed downwind of ground intrusive activities and a photoionization detector (PID) was present at the point of soil boring advancements during all field activities.

### *4.2 Soil Boring Advancement and Sampling*

Between April 26 and 28, 2022, a total of 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 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, semivolatile 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.

#### 4.3 Soil Sample Laboratory Analysis

A tabulated summary table is included in Appendix B and the laboratory analytical report is included in Appendix C. 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 standard. 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, SB-3 (0-2'), and SB-6 (0-2') had low-level detections of the pesticide Dichlorodiphenyldichloroethylene (4,4'-DDE) with the SB-6 (0-2') sample also containing 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 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 SB-3(0-2'), SB-6 (0-2') and SB-21, all of which were below the unrestricted use standards.

#### 4.4 Quality Assurance / Quality Control

A duplicate sample was collected from the soil/groundwater interface at SB-4 for quality assurance / quality control (QA/QC) purposes. The laboratory results from the duplicate sample (Dupe) was compared to the parent sample (SB-4) to assess the quality of the laboratory data. Both the duplicate and parent sample were non-detect for the vast majority of constituents analyzed. The only deviation was for Acetone and Naphthalene, which were detected in the parent sample (SB-4) and not the duplicate sample (Dupe). Acetone and Naphthalene are common laboratory contaminants and it is likely that the deviation in the laboratory results is due to low level contamination caused by cleaning and disinfecting laboratory equipment.

An equipment blank was collected to assess KAS' decontamination process and to determine if there is a likelihood of cross-contamination of PFAS between soil borings and the collection of soil samples. The equipment blank was non-detect for PFAS.

KAS also included an additional QA/QC measure with a comparison of PFAS analyses (Method 537.1 and Synthetic Precipitation Leaching Procedure (SPLP)). Two of the soil samples (SB-8 and SB-24), were analyzed for PFAS by Methods 537.1 and SPLP. The SPLP method determines the leachate potential and is a modified groundwater analysis that can have more sensitive detection limits. When comparing these results, SB-8 had no detections of PFAS using the 537.1 Method, but had a total PFAS concentration of 39.385 ng/L using the SPLP method. The SB-24 sample was also non-detect for PFAS using the 537.1 Method and had a total PFAS concentration of 5.270 ng/L using the SPLP method. When the SPLP concentrations are compared to 10 ppt, the SB-8 soil results exceed this value. Groundwater will be evaluated in the future investigation for the Site. The variation in laboratory results indicates the difficulties in assessing PFAS to the low detection limits required (parts per trillion). It does appear that SPLP analysis is more sensitive; however, given the overall low detections reported the 537.1 Method analysis does appear adequate in assessing the PFAS impacts.

#### 4.5 Ambient Air

During the field work, downwind ambient air was monitored by a PID and a Dustrak 8520 meter in accordance with the CAMP prepared for the Site (see Appendix E). No PID readings were detected and no exceedances of dust as outlined by the CAMP were noted (see Appendix B).

## 5.0 CONCLUSIONS

Based on Stage 1 of the site characterization completed at Lot A, D and J on the former Clinton County Airport in Plattsburgh, New York, the following conclusions are offered:

1. A total of twenty-eight (28) soil borings were advanced into the water table (saturated soils) to depths ranging from 4 to 12 feet bgs with groundwater encountered between 2.5 to 6.0 feet bgs. Soil samples were collected for laboratory analysis from each boring (28 total) at the soil/groundwater interface for PFAS. Additionally, eight (8) surface soil samples were collected from select borings and analyzed for PFAS, TCL, 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;
2. Field measurements (PID readings of soils for VOCs) and observations (visual and olfactory) did not identify any obvious signs of subsurface impacts;
3. Low level detections of various PFAS were identified in sixteen (16) of the thirty-seven (37) soil samples (including the duplicate sample). The total PFAS concentrations that were identified ranged from 0.031 to 5.25 ng/g or ppb. PFOA and PFOS results were compared to the June 2021 Sampling, Analysis, and Assessment of PFAS and found to be below Unrestricted soil cleanup guidance values except for a detection of PFOS (1.88 ng/g (ppb)) in the SB-3 (0-2') sample location above the unrestricted use standard. This detection was below residential and commercial standards;

4. Two of the soil samples (SB-8 and SB-24), were analyzed for PFAS by Methods 537.1 and SPLP. The SPLP method determines the leachate potential and is a modified groundwater analysis that can have more sensitive detection limits. When comparing these results, SB-8 had no detections of PFAS using the 537.1 Method, but had a total PFAS concentration of 39.385 ng/L using the SPLP method. The SB-24 sample was also non-detect for PFAS using the 537.1 Method and had a total PFAS concentration of 5.270 ng/L using the SPLP method. When the SPLP concentrations are compared to 10 ppt, the SB-8 soil results exceed this value. Groundwater will be evaluated in the future investigation for the Site; and,
5. The majority TCL, TAL and cyanide samples analyzed were non-detect. The samples with detections had detections below the NYSDEC SCO – Unrestricted Use Standards with the exception of two samples (SB-5 and SB-6), which had detections of Acetone that exceed the NYSDEC SCO – Unrestricted Use Standard. However, Acetone is a common laboratory contaminant and in KAS' professional judgment it is likely the laboratory contamination is the cause of the detection of Acetone. The detection also had a qualifier note that it was an estimated value by the laboratory.

## **6.0 RECOMMENDATIONS**

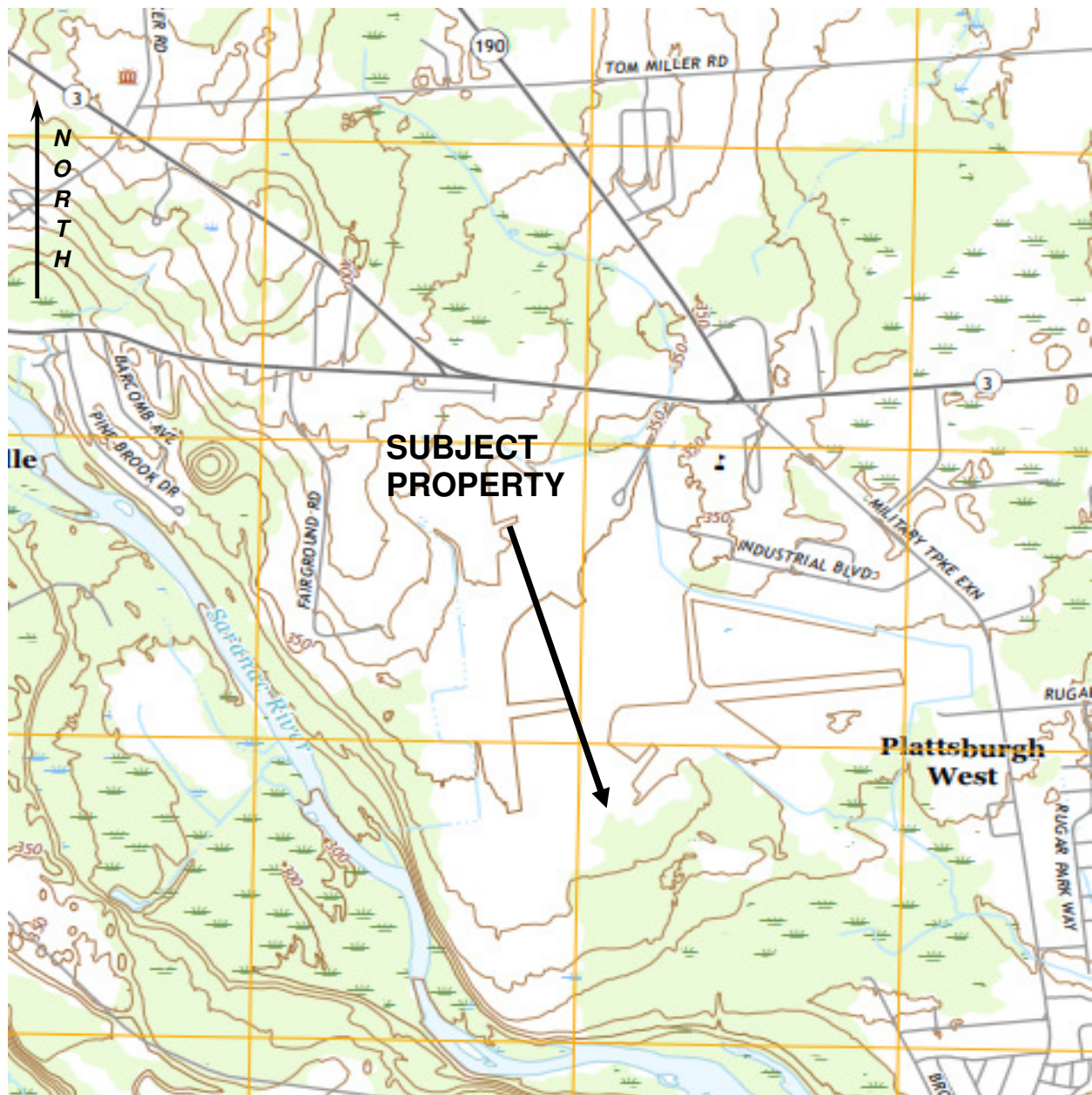
Based on the findings, KAS presents the following recommendations:

- No additional site characterization work associated with soils on Lot A, D and J appears warranted;
- The Soil and Groundwater Management Plan should be modified to address these findings of this report;
- A copy of this report must be provided to the NYSDEC; and,
- If conditions are encountered during planned redevelopment activities on Lot A, D and J that differ from those identified in this report, an environmental professional should be contacted to assess the soils to ensure proper handling.



## **APPENDIX A**

- 1) Site Location Map**
- 2) Soil Boring Location Map**



KAS Job Number 508212230  
Source: USGS Store



## Industrial Boulevard Plattsburgh, New York

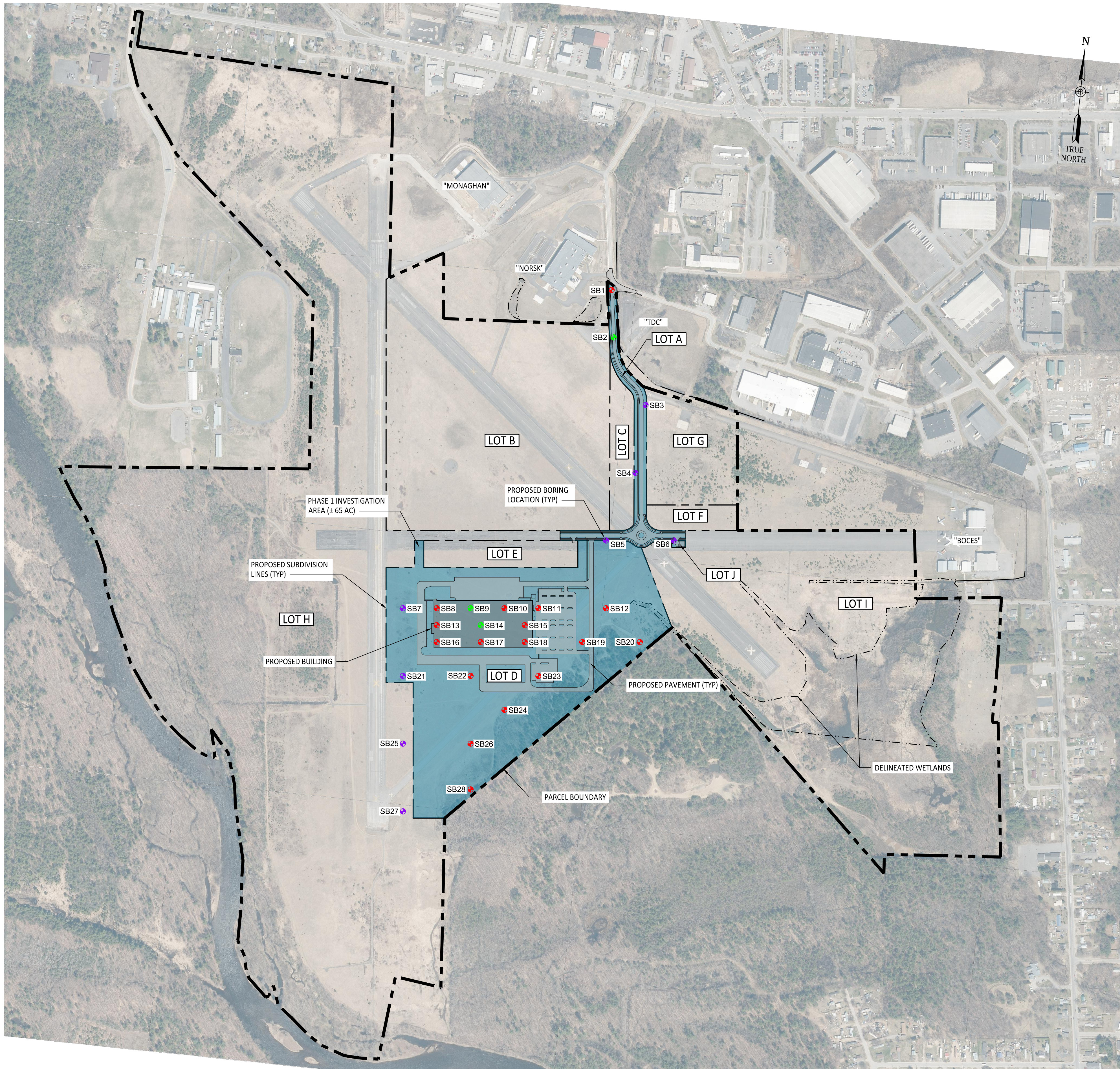
2019 USGS Topographic Map

|                |               |            |        |
|----------------|---------------|------------|--------|
| Date: 05/26/22 | Drawing No. 0 | Scale: NTS | By: AH |
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Plotted: Apr 15, 2022 - 11:05AM  
Z:\BL-Vault\02\18217A02-1C71-4823-8927-9905C4054147\0\25588000-25588999\25588551\Boring Location Plan (ID 25588551).dwg  
Checked by: Drawn by: Designed by: BDD In charge of: DJF

- LEGEND**
- PARCEL BOUNDARY
  - - - PROPOSED SUBDIVISION LINES
  - SOIL BORING LOCATION (PFAS SAMPLING AT SOIL/GROUNDWATER INTERFACE ONLY)
  - SOIL BORING LOCATION (PFAS, TCL, TAL, CYANIDE SAMPLING AT SOIL/GROUNDWATER INTERFACE ONLY)
  - SOIL BORING LOCATION (PFAS, TCL, TAL, CYANIDE SAMPLING SURFACE SOIL AND SOIL/GROUNDWATER INTERFACE)
  - PHASE 1 INVESTIGATION AREA (± 65 AC)



**PROPOSED BORING LOCATION PLAN**  
SCALE: 1" = 400'



IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145 §7209 SPECIAL PROVISIONS, FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING PROFESSIONAL SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

| REVISIONS |  |
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|           |  |
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|           |  |

CLINTON COUNTY  
FORMER CLINTON COUNTY AIRPORT REDEVELOPMENT PROJECT  
**BORING LOCATION PLAN**  
CLINTON COUNTY, NEW YORK  
TOWN OF PLATTSBURGH

**B&L**  
10 Airline Drive  
Suite 200  
Albany, NY  
12205  
**Barton & Loguidice, D.P.C.**

REVIEW ONLY  
NOT FOR  
CONSTRUCTION

Date: APRIL 2022  
Scale: AS SHOWN  
Sheet Number: BLP  
Project Number: 244.128.001





## **APPENDIX B**

### **DATA SUMMARY TABLES**



**Sampling Data Summary**  
**Ambient Air - Former Clinton County Airport**  
**Lot A, D and J, Plattsburgh, NY**

| Boring Location | Date    | Time (mins) | Particulates             |                           | VOCs               |
|-----------------|---------|-------------|--------------------------|---------------------------|--------------------|
|                 |         |             | Max (mg/m <sup>3</sup> ) | Avg. (mg/m <sup>3</sup> ) | PID Ambient (ppmv) |
| SB-1            | 4/28/22 | 30          | 0.055                    | 0.011                     | 0.0                |
| SB-2            | 4/28/22 | 35          | 0.052                    | 0.017                     | 0.0                |
| SB-3            | 4/28/22 | 55          | 0.083                    | 0.020                     | 0.0                |
| SB-4            | 4/28/22 | 40          | 0.033                    | 0.011                     | 0.0                |
| SB-5            | 4/27/22 | 55          | 0.041                    | 0.007                     | 0.0                |
| SB-6            | 4/27/22 | 35          | 0.065                    | 0.012                     | 0.0                |
| SB-7            | 4/26/22 | 30          | 0.028                    | 0.009                     | 0.0                |
| SB-8            | 4/27/22 | 15          | 0.033                    | 0.009                     | 0.0                |
| SB-9            | 4/27/22 | 10          | 0.041                    | 0.007                     | 0.0                |
| SB-10           | 4/27/22 | 10          | 0.090                    | 0.013                     | 0.0                |
| SB-11           | 4/27/22 | 10          | 0.031                    | 0.009                     | 0.0                |
| SB-12           | 4/26/22 | 15          | 0.068                    | 0.040                     | 0.0                |
| SB-13           | 4/27/22 | 10          | 0.034                    | 0.009                     | 0.0                |
| SB-14           | 4/27/22 | 25          | 0.051                    | 0.012                     | 0.0                |
| SB-15           | 4/27/22 | 10          | 0.082                    | 0.006                     | 0.0                |
| SB-16           | 4/27/22 | 10          | 0.034                    | 0.009                     | 0.0                |
| SB-17           | 4/27/22 | 5           | 0.036                    | 0.012                     | 0.0                |
| SB-18           | 4/27/22 | 10          | 0.028                    | 0.002                     | 0.0                |
| SB-19           | 4/26/22 | 20          | 0.011                    | 0.006                     | 0.0                |
| SB-20           | 4/26/22 | 10          | 0.091                    | 0.018                     | 0.0                |
| SB-21           | 4/26/22 | 30          | 0.050                    | 0.014                     | 0.0                |
| SB-22           | 4/26/22 | 30          | 0.048                    | 0.028                     | 0.0                |
| SB-23           | 4/26/22 | 30          | 0.049                    | 0.015                     | 0.0                |
| SB-24           | 4/26/22 | 15          | 0.016                    | 0.007                     | 0.0                |
| SB-25           | 4/26/22 | 30          | 0.041                    | 0.034                     | 0.0                |
| SB-26           | 4/26/22 | 30          | 0.034                    | 0.023                     | 0.0                |
| SB-27           | 4/26/22 | 90          | 0.024                    | 0.011                     | 0.0                |
| SB-28           | 4/26/22 | 15          | 0.016                    | 0.007                     | 0.0                |

Note: ppmv = parts per million by volume

mg/m<sup>3</sup> = milligrams per cubic meter

\*Bold indicates an exceedance 0.1 mg/m<sup>3</sup>

VOCs = volatile organic compounds





NOTES:

All values reported in mg/kg, dry, unless otherwise indicated.

Above Standard

NA – Not Analyzed

ND – Not Detected- Detection Limit

N5 – No standard

Results reported above detection limits are indicated in bold

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

“CP 51 Supplemental Soil Cleanup Objectives - Protection of Groundwater

“CP 51 Supplemental Soil Cleanup Objectives - Industrial

“NYCRR Part 375 – Environmental Remediation Programs

Only detections shown for confirmatory soil samples

**GUIDELINES FOR SAMPLING AND ANALYSIS OF PFAS**

**UNDER NYSDCE’s Part 375 Remedial Programs**



## **APPENDIX C**

### **LABORATORY ANALYTICAL REPORT**





## ANALYTICAL REPORT

|                 |                                                            |
|-----------------|------------------------------------------------------------|
| Lab Number:     | L2222691                                                   |
| Client:         | KAS, Inc.<br>589 Avenue D, Suite 10<br>Williston, VT 05495 |
| ATTN:           | Anthony Harvey                                             |
| Phone:          | (802) 383-0486                                             |
| Project Name:   | FORMER AIRPORT                                             |
| Project Number: | 508215230                                                  |
| Report Date:    | 05/20/22                                                   |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Alpha<br>Sample ID | Client ID   | Matrix | Sample<br>Location | Collection<br>Date/Time | Receive Date |
|--------------------|-------------|--------|--------------------|-------------------------|--------------|
| L2222691-01        | SB-1        | SOIL   | INDUSTRIAL BLVD.   | 04/28/22 12:00          | 04/29/22     |
| L2222691-02        | SB-2        | SOIL   | INDUSTRIAL BLVD.   | 04/28/22 11:25          | 04/29/22     |
| L2222691-03        | SB-3 (0-2') | SOIL   | INDUSTRIAL BLVD.   | 04/28/22 10:20          | 04/29/22     |
| L2222691-04        | SB-3        | SOIL   | INDUSTRIAL BLVD.   | 04/28/22 10:20          | 04/29/22     |
| L2222691-05        | SB-4 (0-2') | SOIL   | INDUSTRIAL BLVD.   | 04/28/22 09:35          | 04/29/22     |
| L2222691-06        | SB-4        | SOIL   | INDUSTRIAL BLVD.   | 04/28/22 09:35          | 04/29/22     |
| L2222691-07        | SB-5 (0-2') | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 11:55          | 04/29/22     |
| L2222691-08        | SB-5        | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 11:55          | 04/29/22     |
| L2222691-09        | SB-6 (0-2') | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 12:45          | 04/29/22     |
| L2222691-10        | SB-6        | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 12:45          | 04/29/22     |
| L2222691-11        | SB-7 (0-2') | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 14:35          | 04/29/22     |
| L2222691-12        | SB-7        | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 14:35          | 04/29/22     |
| L2222691-13        | SB-8        | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 09:40          | 04/29/22     |
| L2222691-14        | SB-9        | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 10:55          | 04/29/22     |
| L2222691-15        | SB-10       | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 11:05          | 04/29/22     |
| L2222691-16        | SB-11       | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 11:35          | 04/29/22     |
| L2222691-17        | SB-12       | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 15:35          | 04/29/22     |
| L2222691-18        | SB-13       | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 09:50          | 04/29/22     |
| L2222691-19        | SB-14       | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 10:15          | 04/29/22     |
| L2222691-20        | SB-15       | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 11:15          | 04/29/22     |
| L2222691-21        | SB-16       | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 10:00          | 04/29/22     |
| L2222691-22        | SB-17       | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 10:05          | 04/29/22     |
| L2222691-23        | SB-18       | SOIL   | INDUSTRIAL BLVD.   | 04/27/22 11:25          | 04/29/22     |
| L2222691-24        | SB-19       | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 15:05          | 04/29/22     |



| Alpha<br>Sample ID | Client ID       | Matrix | Sample<br>Location | Collection<br>Date/Time | Receive Date |
|--------------------|-----------------|--------|--------------------|-------------------------|--------------|
| L2222691-25        | SB-20           | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 15:25          | 04/29/22     |
| L2222691-26        | SB-21 (0-2')    | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 14:05          | 04/29/22     |
| L2222691-27        | SB-21           | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 14:05          | 04/29/22     |
| L2222691-28        | SB-22           | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 13:50          | 04/29/22     |
| L2222691-29        | SB-23           | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 13:30          | 04/29/22     |
| L2222691-30        | SB-24           | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 12:25          | 04/29/22     |
| L2222691-31        | SB-25 (0-2')    | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 11:15          | 04/29/22     |
| L2222691-32        | SB-25           | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 11:15          | 04/29/22     |
| L2222691-33        | SB-26           | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 11:35          | 04/29/22     |
| L2222691-34        | SB-27 (0-2')    | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 09:45          | 04/29/22     |
| L2222691-35        | SB-27           | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 09:45          | 04/29/22     |
| L2222691-36        | SB-28           | SOIL   | INDUSTRIAL BLVD.   | 04/26/22 12:00          | 04/29/22     |
| L2222691-37        | DUPE            | SOIL   | INDUSTRIAL BLVD.   | 04/28/22 09:35          | 04/29/22     |
| L2222691-38        | EQUIPMENT BLANK | WATER  | INDUSTRIAL BLVD.   | 04/28/22 12:25          | 04/29/22     |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Case Narrative

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

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

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

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

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

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

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**Project Name:** FORMER AIRPORT  
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### Case Narrative (continued)

#### Report Submission

May 20, 2022: This final report includes the results of all requested analyses.

May 13, 2022: 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.

L2222691-08: The methanol vial was analyzed in order to quantitate the sample within the calibration range.

The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The results of both analyses are reported.

#### Perfluorinated Alkyl Acids by Isotope Dilution

L2222691-01, -04, -05, -06, -07, -08, -09, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -30, -31, -32, -34, -35, -36, and -37RE: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2222691-01, -02, -04, -05, -06, -07, -08, -09, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21, -22, -23, -24, -26, -27, -28, -29, -30, and -37: 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)

The Extracted Internal Standard recovery was less than 10% for individual analytes; 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 for the following samples:

L2222691-01: perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (5%)

L2222691-07: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (8%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (7%)

L2222691-08: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (9%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (6%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (5%)

L2222691-11: n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (2%)

L2222691-12: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (3%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (3%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (4%)

L2222691-13: perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (6%)

L2222691-14: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (8%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (7%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (8%)

L2222691-15: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (3%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (3%)

L2222691-17: perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (9%)

L2222691-18: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (8%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (7%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (7%)

L2222691-21: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (9%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (6%)



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### Case Narrative (continued)

L2222691-22: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (5%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (4%)

L2222691-23: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (7%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (7%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (9%)

L2222691-26: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (0%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (1%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (5%);

L2222691-27: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (3%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (3%)

L2222691-28: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (8%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (7%), and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (8%)

L2222691-29: n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (9%); L2222691-30: n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (9%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (5%)

L2222691-35: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (2%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (2%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (8%)

L2222691-36: n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (0%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (2%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (2%)

L2222691-37: n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (9%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (9%)

L2222691-11: The Extracted Internal Surrogate Standard recovery is below the acceptance criteria for n-

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### Case Narrative (continued)

deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (1%), in both the original and re-extraction with lesser volume. The associated target compound is not reported due to the insufficient recovery of this surrogate.

L2222691-11: The Extracted Internal Standard recovery is less than 10% for perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (9%); however, re-extraction on dilution achieved a similar result. The results of the re-extraction are reported for the associated target compounds.

L2222691-13 and -25RE: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2222691-25RE: 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) (9%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (8%); however, re-extraction at a lower volume (less than 1g) could not be performed. The results of the re-extraction are reported.

L2222691-26: The Extracted Internal Standard recovery is less than 10% for n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (1%); however, re-extraction on dilution achieved a similar result. The results of the re-extraction are reported for the associated target compounds.

L2222691-26: The Extracted Internal Surrogate Standard recovery is below the acceptance criteria for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (0%), in both the original and re-extraction with lesser volume. The associated target compounds are not reported due to the insufficient recovery of this surrogate.

L2222691-31: The Extracted Internal Standard recoveries were less than 10% for 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (m2-8:2fts) (8%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (0%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (0%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (3%); however, re-extraction at a lower volume achieved a improved results. The results of the re-extraction are reported for the associated target compounds.

L2222691-32: The Extracted Internal Standard recoveries are less than 10% for 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (m2-8:2fts) (6%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-

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### Case Narrative (continued)

nmefosaa) (1%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (1%), perfluoro[1,2-13c2]dodecanoic acid (mpfdoa) (8%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (1%); however, the extraction efficiency was improved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2222691-34: The Extracted Internal Standard recoveries are less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (0%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (0%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (8%); however, the extraction efficiency was improved upon re-extraction with lower volume. The results of the re-extraction are reported for the associated target compounds

WG1636273-1, WG1634686-3, WG1636027-3, and WG1636027-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

The Extracted Internal Standard recovery for the WG1636568-1 Method Blank, associated with L2222691-21RE, -21, -22, -22RE, -23RE, -23, -25RE, -26RE, -27, -27RE, -28, -28RE, -29, -29RE, -30, and -30RE, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, the method blank is non-detect for all associated target analytes; therefore, no further action was taken.

WG1636568-2: The Extracted Internal Standard recovery is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, all associated target analytes are within criteria; therefore, no further action was taken.

#### SPLP Perfluorinated Alkyl Acids by Isotope Dilution

The WG1636562-4 Laboratory Duplicate RPD for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (49%), performed on L2222691-30, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

WG1636562-5: This blank represents the SPLP tumbling blank associated with L2222691-13 and -30.



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### Case Narrative (continued)

#### Total Metals

The WG1637749-3 MS recovery, performed on L2222691-02, is outside the acceptance criteria for aluminum (11%). A post digestion spike was performed and yielded an unacceptable recovery of 473%. The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1637749-3 MS recoveries for calcium (0%), iron (0%), magnesium (0%), and manganese (45%), performed on L2222691-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1637749-4 Laboratory Duplicate RPDs for arsenic (61%), calcium (36%), lead (26%), magnesium (40%), and manganese (37%), performed on L2222691-02, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

#### Cyanide, Total

The WG1636033-2/-3 LCS/LCSD recoveries for cyanide, total (58%/74%), associated with L2222691-26, -32, -34, and -35, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1636043-2/-3 LCS/LCSD recoveries for cyanide, total (58%/74%), associated with L2222691-11, -12, and -27, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1636118-2 LCS recovery for cyanide, total (76%), associated with L2222691-09 and -10, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1636556-2/-3 LCS/LCSD recoveries for cyanide, total (74%/77%), associated with L2222691-07, -08, -14, -19, and -31, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1637117-2 LCS recovery for cyanide, total (62%), associated with L2222691-02 through -06 and -37, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the

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**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Case Narrative (continued)**

original analyses are reported.

WG1636043: A Matrix Spike and Laboratory Duplicate were prepared with the sample batch, however, the native sample was not available for reporting; therefore, the results could not be 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: *Tiffani Morrissey* - Tiffani Morrissey

Title: Technical Director/Representative

Date: 05/20/22

# ORGANICS



# VOLATILES

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-02  
**Client ID:** SB-2  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 11:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 18:40  
**Analyst:** NLK  
**Percent Solids:** 89%

| 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  | 0.14 | 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  | 0.12 | 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  | 0.27 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.0  | 0.25 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.50 | 0.17 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.50 | 0.17 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.0  | 0.55 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.0  | 0.14 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.0  | 0.94 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.0  | 0.58 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.0  | 0.34 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.0  | 0.45 | 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               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-02  
 Client ID: SB-2  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 11:25  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.14 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.15 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.17 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.0 | 0.20 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.0 | 0.56 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.0 | 0.29 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.0 | 0.29 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.0 | 0.14 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.0 | 0.20 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 10  | 0.92 | 1               |
| Acetone                                      | 8.4    | J         | ug/kg | 10  | 4.8  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 10  | 4.6  | 1               |
| 2-Butanone                                   | ND     |           | 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               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.0 | 0.21 | 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                           | ND     |           | ug/kg | 1.0 | 0.11 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 4.0 | 0.65 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.0 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.0 | 0.32 | 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               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 80  | 35.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.0 | 0.70 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.0 | 0.61 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-02

Date Collected: 04/28/22 11:25

Client ID: SB-2

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 101        |           | 70-130              |
| Toluene-d8            | 107        |           | 70-130              |
| 4-Bromofluorobenzene  | 113        |           | 70-130              |
| Dibromofluoromethane  | 92         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-03  
**Client ID:** SB-3 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 18:59  
**Analyst:** NLK  
**Percent Solids:** 91%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 4.9  | 2.2  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 0.97 | 0.14 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.5  | 0.14 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.97 | 0.22 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 0.97 | 0.12 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.97 | 0.14 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 0.97 | 0.26 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.49 | 0.19 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.49 | 0.12 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 3.9  | 0.68 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.97 | 0.25 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.49 | 0.16 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.49 | 0.11 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 0.97 | 0.27 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.49 | 0.15 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.49 | 0.15 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 3.9  | 0.24 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.49 | 0.16 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.49 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/kg | 0.97 | 0.53 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.97 | 0.14 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 3.9  | 0.91 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 1.9  | 0.57 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 0.97 | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 1.9  | 0.44 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.97 | 0.23 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.5  | 0.13 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.49 | 0.13 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-03  
 Client ID: SB-3 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 10:20  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.14 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.14 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.17 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 1.9  | 0.20 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 1.9  | 0.54 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 0.97 | 0.28 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 0.97 | 0.28 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.97 | 0.17 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 0.97 | 0.13 | 1               |
| Styrene                                      | ND     |           | ug/kg | 0.97 | 0.19 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 9.7  | 0.89 | 1               |
| Acetone                                      | 14     |           | ug/kg | 9.7  | 4.7  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 9.7  | 4.4  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 9.7  | 2.2  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 9.7  | 1.2  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 9.7  | 1.1  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 1.9  | 0.20 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 0.97 | 0.27 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 0.97 | 0.16 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 0.97 | 0.14 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 1.9  | 0.11 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 2.9  | 0.97 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.97 | 0.11 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 0.97 | 0.11 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 3.9  | 0.63 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 0.97 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 1.9  | 0.31 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 1.9  | 0.26 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 1.9  | 0.19 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 1.9  | 0.32 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 3.9  | 0.92 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 9.7  | 0.53 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 78   | 34.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 3.9  | 0.68 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 3.9  | 0.59 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-03

Date Collected: 04/28/22 10:20

Client ID: SB-3 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 102        |           | 70-130              |
| Toluene-d8            | 104        |           | 70-130              |
| 4-Bromofluorobenzene  | 109        |           | 70-130              |
| Dibromofluoromethane  | 92         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-04  
**Client ID:** SB-3  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 19:19  
**Analyst:** NLK  
**Percent Solids:** 92%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 4.8  | 2.2  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 0.95 | 0.14 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.4  | 0.13 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.95 | 0.22 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 0.95 | 0.12 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.95 | 0.13 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 0.95 | 0.25 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.48 | 0.19 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.48 | 0.12 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 3.8  | 0.66 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.95 | 0.24 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.48 | 0.16 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.48 | 0.10 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 0.95 | 0.26 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.48 | 0.15 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.48 | 0.15 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 3.8  | 0.23 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.48 | 0.16 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.48 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/kg | 0.95 | 0.52 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.95 | 0.13 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 3.8  | 0.89 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 1.9  | 0.55 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 0.95 | 0.32 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 1.9  | 0.43 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.95 | 0.23 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.4  | 0.13 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.48 | 0.13 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-04

Date Collected: 04/28/22 10:20

Client ID: SB-3

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.14 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.14 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.16 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 1.9  | 0.19 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 1.9  | 0.53 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 0.95 | 0.28 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 0.95 | 0.28 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.95 | 0.17 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 0.95 | 0.13 | 1               |
| Styrene                                      | ND     |           | ug/kg | 0.95 | 0.19 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 9.5  | 0.87 | 1               |
| Acetone                                      | 8.5    | J         | ug/kg | 9.5  | 4.6  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 9.5  | 4.3  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 9.5  | 2.1  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 9.5  | 1.2  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 9.5  | 1.1  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 1.9  | 0.20 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 0.95 | 0.27 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 0.95 | 0.16 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 0.95 | 0.14 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 1.9  | 0.11 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 2.9  | 0.95 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.95 | 0.10 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 0.95 | 0.10 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 3.8  | 0.62 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 0.95 | 0.16 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 1.9  | 0.31 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 1.9  | 0.26 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 1.9  | 0.18 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 1.9  | 0.32 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 3.8  | 0.90 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 9.5  | 0.52 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 76   | 33.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 3.8  | 0.66 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 3.8  | 0.57 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-04

Date Collected: 04/28/22 10:20

Client ID: SB-3

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 104        |           | 70-130              |
| Toluene-d8            | 104        |           | 70-130              |
| 4-Bromofluorobenzene  | 114        |           | 70-130              |
| Dibromofluoromethane  | 94         |           | 70-130              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-05  
**Client ID:** SB-4 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 19:39  
**Analyst:** NLK  
**Percent Solids:** 89%

| 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 | 1.6  | 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  | 0.29 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.55 | 0.21 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.55 | 0.14 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.4  | 0.76 | 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               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.55 | 0.17 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.4  | 0.27 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.1  | 0.59 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1  | 0.15 | 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  | 0.49 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1  | 0.26 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.6  | 0.15 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.55 | 0.15 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-05  
 Client ID: SB-4 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 09:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.19 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.2 | 0.61 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.1 | 0.32 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.1 | 0.32 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.1 | 0.15 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.1 | 0.21 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 1.0  | 1               |
| Acetone                                      | 19     |           | 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               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 1.1 | 0.30 | 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 | 0.71 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.2 | 0.35 | 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 | 0.36 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.4 | 1.0  | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 11  | 0.59 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 87  | 38.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.4 | 0.76 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.4 | 0.66 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-05

Date Collected: 04/28/22 09:35

Client ID: SB-4 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 104        |           | 70-130              |
| 4-Bromofluorobenzene  | 115        |           | 70-130              |
| Dibromofluoromethane  | 94         |           | 70-130              |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-06  
 Client ID: SB-4  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 09:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/06/22 18:56  
 Analyst: AJK  
 Percent Solids: 91%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 4.7  | 2.1  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 0.93 | 0.14 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.4  | 0.13 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.93 | 0.21 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 0.93 | 0.12 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.93 | 0.13 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 0.93 | 0.25 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.47 | 0.18 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.47 | 0.12 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 3.7  | 0.65 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.93 | 0.24 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.47 | 0.16 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.47 | 0.10 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 0.93 | 0.25 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.47 | 0.15 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.47 | 0.15 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 3.7  | 0.23 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.47 | 0.15 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.47 | 0.15 | 1               |
| Toluene                                      | ND     |           | ug/kg | 0.93 | 0.51 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.93 | 0.13 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 3.7  | 0.87 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 1.9  | 0.54 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 0.93 | 0.31 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 1.9  | 0.42 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.93 | 0.22 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.4  | 0.13 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.47 | 0.13 | 1               |



Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-06  
 Client ID: SB-4  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 09:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.13 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.14 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.16 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 1.9  | 0.19 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 1.9  | 0.52 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 0.93 | 0.27 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 0.93 | 0.27 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.93 | 0.16 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 0.93 | 0.13 | 1               |
| Styrene                                      | ND     |           | ug/kg | 0.93 | 0.18 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 9.3  | 0.85 | 1               |
| Acetone                                      | 9.0    | J         | ug/kg | 9.3  | 4.5  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 9.3  | 4.2  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 9.3  | 2.1  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 9.3  | 1.2  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 9.3  | 1.1  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 1.9  | 0.19 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 0.93 | 0.26 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 0.93 | 0.16 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 0.93 | 0.14 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 1.9  | 0.11 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 2.8  | 0.93 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.93 | 0.10 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 0.93 | 0.10 | 1               |
| Naphthalene                                  | 0.94   | J         | ug/kg | 3.7  | 0.61 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 0.93 | 0.16 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 1.9  | 0.30 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 1.9  | 0.25 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 1.9  | 0.18 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 1.9  | 0.31 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 3.7  | 0.89 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 9.3  | 0.51 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 75   | 33.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 3.7  | 0.65 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 3.7  | 0.56 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-06

Date Collected: 04/28/22 09:35

Client ID: SB-4

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 100        |           | 70-130              |
| Toluene-d8            | 104        |           | 70-130              |
| 4-Bromofluorobenzene  | 112        |           | 70-130              |
| Dibromofluoromethane  | 94         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-07  
**Client ID:** SB-5 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 20:18  
**Analyst:** NLK  
**Percent Solids:** 90%

| 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  | 0.14 | 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  | 0.12 | 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  | 0.69 | 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  | 0.27 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.0  | 0.24 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.0  | 0.54 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.0  | 0.14 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.0  | 0.93 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.0  | 0.58 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.0  | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.0  | 0.45 | 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               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-07  
 Client ID: SB-5 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 11:55  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.14 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.15 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.17 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.0 | 0.20 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.0 | 0.56 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.0 | 0.29 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.0 | 0.29 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.0 | 0.17 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.0 | 0.14 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.0 | 0.20 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 10  | 0.91 | 1               |
| Acetone                                      | 11     |           | ug/kg | 10  | 4.8  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 10  | 4.5  | 1               |
| 2-Butanone                                   | ND     |           | 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               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.0 | 0.20 | 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 | 0.14 | 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                           | ND     |           | ug/kg | 1.0 | 0.11 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 4.0 | 0.65 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.0 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.0 | 0.32 | 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 | 0.33 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.0 | 0.95 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 10  | 0.54 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 80  | 35.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.0 | 0.69 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.0 | 0.60 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-07

Date Collected: 04/27/22 11:55

Client ID: SB-5 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 111        |           | 70-130              |
| Dibromofluoromethane  | 92         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-08  
**Client ID:** SB-5  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 20:38  
**Analyst:** NLK  
**Percent Solids:** 84%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 5.4  | 2.5  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.6  | 0.15 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.1  | 0.25 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 1.1  | 0.13 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.1  | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.1  | 0.29 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.54 | 0.21 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.54 | 0.14 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.3  | 0.75 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.1  | 0.28 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.54 | 0.18 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.54 | 0.12 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.1  | 0.29 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.54 | 0.17 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.54 | 0.17 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.3  | 0.26 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.54 | 0.18 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.54 | 0.18 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.1  | 0.58 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1  | 0.15 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.3  | 1.0  | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.2  | 0.62 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.1  | 0.36 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.2  | 0.49 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1  | 0.26 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.6  | 0.15 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.54 | 0.15 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-08  
 Client ID: SB-5  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 11:55  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.15 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.18 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.2 | 0.60 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.1 | 0.31 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.1 | 0.31 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.1 | 0.15 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.1 | 0.21 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 0.98 | 1               |
| Acetone                                      | 490    | E         | ug/kg | 11  | 5.2  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 11  | 4.9  | 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               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 1.1 | 0.30 | 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 | 3.2 | 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 | 4.3 | 0.70 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.1 | 0.18 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.2 | 0.35 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 2.2 | 0.29 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 2.2 | 0.21 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 2.2 | 0.36 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.3 | 1.0  | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 11  | 0.58 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 86  | 38.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.3 | 0.74 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.3 | 0.65 | 1               |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-08  
**Client ID:** SB-5  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 108        |           | 70-130              |
| Dibromofluoromethane  | 93         |           | 70-130              |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-08  
 Client ID: SB-5  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 11:55  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/07/22 01:08  
 Analyst: AJK  
 Percent Solids: 84%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 330  | 150  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 66   | 9.6  | 1               |
| Chloroform                                   | ND     |           | ug/kg | 99   | 9.3  | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 66   | 15.  | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 66   | 8.3  | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 66   | 9.3  | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 66   | 18.  | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 33   | 13.  | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 33   | 8.4  | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 260  | 46.  | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 66   | 17.  | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 33   | 11.  | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 33   | 7.2  | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 66   | 18.  | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 33   | 10.  | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.54 | 0.17 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 260  | 16.  | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 33   | 11.  | 1               |
| Benzene                                      | ND     |           | ug/kg | 33   | 11.  | 1               |
| Toluene                                      | ND     |           | ug/kg | 66   | 36.  | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 66   | 9.3  | 1               |
| Chloromethane                                | ND     |           | ug/kg | 260  | 62.  | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 130  | 38.  | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 66   | 22.  | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 130  | 30.  | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 66   | 16.  | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 99   | 9.1  | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 33   | 9.1  | 1               |



Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-08  
 Client ID: SB-5  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 11:55  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 130  | 9.5  | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 130  | 9.8  | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 130  | 11.  | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 130  | 13.  | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 130  | 37.  | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 66   | 19.  | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.1  | 0.31 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 66   | 12.  | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.1  | 0.15 | 1               |
| Styrene                                      | ND     |           | ug/kg | 66   | 13.  | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 660  | 61.  | 1               |
| Acetone                                      | 470    | J         | ug/kg | 660  | 320  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 660  | 300  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 660  | 150  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 660  | 85.  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 660  | 78.  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 130  | 14.  | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 66   | 18.  | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 66   | 11.  | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 66   | 9.7  | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 130  | 7.8  | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 200  | 66.  | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 66   | 7.2  | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 66   | 7.2  | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 260  | 43.  | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 66   | 11.  | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 130  | 21.  | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 130  | 18.  | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 130  | 13.  | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 130  | 22.  | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 260  | 63.  | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 660  | 36.  | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 5300 | 2300 | 1               |
| Freon-113                                    | ND     |           | ug/kg | 260  | 46.  | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 260  | 40.  | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-08

Date Collected: 04/27/22 11:55

Client ID: SB-5

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 111        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 104        |           | 70-130              |
| Dibromofluoromethane  | 89         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-09  
**Client ID:** SB-6 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 20:57  
**Analyst:** NLK  
**Percent Solids:** 92%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 5.3  | 2.4  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.6  | 0.15 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.0  | 0.24 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 1.0  | 0.13 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.0  | 0.28 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.53 | 0.21 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.53 | 0.13 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.2  | 0.74 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.0  | 0.27 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.53 | 0.18 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.53 | 0.12 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.0  | 0.29 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.53 | 0.17 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.53 | 0.17 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.2  | 0.26 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.53 | 0.18 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.53 | 0.18 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.0  | 0.57 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.2  | 0.99 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.1  | 0.61 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.0  | 0.35 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.1  | 0.48 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.0  | 0.25 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.6  | 0.14 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.53 | 0.14 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-09  
 Client ID: SB-6 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 12:45  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.1 | 0.15 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.1 | 0.16 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.1 | 0.18 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.1 | 0.21 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.1 | 0.59 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.0 | 0.31 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.0 | 0.31 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.0 | 0.14 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.0 | 0.21 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 10  | 0.97 | 1               |
| Acetone                                      | ND     |           | ug/kg | 10  | 5.1  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 10  | 4.8  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 10  | 2.3  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 10  | 1.4  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 10  | 1.2  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.1 | 0.22 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 1.0 | 0.30 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 1.0 | 0.15 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 2.1 | 0.12 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 3.2 | 1.0  | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.0 | 0.12 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 1.0 | 0.12 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 4.2 | 0.69 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.1 | 0.34 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 2.1 | 0.29 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 2.1 | 0.20 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 2.1 | 0.35 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.2 | 1.0  | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 10  | 0.58 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 85  | 37.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.2 | 0.73 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.2 | 0.64 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-09

Date Collected: 04/27/22 12:45

Client ID: SB-6 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 109        |           | 70-130              |
| Dibromofluoromethane  | 93         |           | 70-130              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-10  
**Client ID:** SB-6  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 21:17  
**Analyst:** NLK  
**Percent Solids:** 83%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 5.4  | 2.5  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.6  | 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  | 0.29 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.54 | 0.21 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.54 | 0.14 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.3  | 0.75 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.1  | 0.28 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.54 | 0.18 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.54 | 0.12 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.1  | 0.30 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.54 | 0.17 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.54 | 0.17 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.3  | 0.27 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.54 | 0.18 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.54 | 0.18 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.1  | 0.59 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1  | 0.15 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.3  | 1.0  | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.2  | 0.63 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.1  | 0.36 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.2  | 0.49 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1  | 0.26 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.6  | 0.15 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.54 | 0.15 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

**Lab ID:** L2222691-10  
**Client ID:** SB-6  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.18 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.2 | 0.61 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.1 | 0.31 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.1 | 0.31 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.1 | 0.15 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.1 | 0.21 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 0.99 | 1               |
| Acetone                                      | 87     |           | ug/kg | 11  | 5.2  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 11  | 4.9  | 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               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 1.1 | 0.30 | 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 | 3.2 | 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 | 4.3 | 0.70 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.1 | 0.18 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.2 | 0.35 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 2.2 | 0.29 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 2.2 | 0.21 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 2.2 | 0.36 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.3 | 1.0  | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 11  | 0.59 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 86  | 38.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.3 | 0.75 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.3 | 0.65 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-10

Date Collected: 04/27/22 12:45

Client ID: SB-6

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 108        |           | 70-130              |
| 4-Bromofluorobenzene  | 123        |           | 70-130              |
| Dibromofluoromethane  | 93         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-11  
**Client ID:** SB-7 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 21:37  
**Analyst:** NLK  
**Percent Solids:** 95%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 4.6  | 2.1  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 0.92 | 0.13 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.4  | 0.13 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.92 | 0.21 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 0.92 | 0.11 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.92 | 0.13 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 0.92 | 0.24 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.46 | 0.18 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.46 | 0.12 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 3.7  | 0.64 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.92 | 0.24 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.46 | 0.15 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.46 | 0.10 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 0.92 | 0.25 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.46 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.46 | 0.14 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 3.7  | 0.22 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.46 | 0.15 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.46 | 0.15 | 1               |
| Toluene                                      | ND     |           | ug/kg | 0.92 | 0.50 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.92 | 0.13 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 3.7  | 0.86 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 1.8  | 0.53 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 0.92 | 0.31 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 1.8  | 0.41 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.92 | 0.22 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.4  | 0.12 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.46 | 0.12 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-11  
 Client ID: SB-7 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 14:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 1.8  | 0.13 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 1.8  | 0.14 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 1.8  | 0.16 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 1.8  | 0.18 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 1.8  | 0.51 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 0.92 | 0.27 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 0.92 | 0.27 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.92 | 0.16 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 0.92 | 0.12 | 1               |
| Styrene                                      | ND     |           | ug/kg | 0.92 | 0.18 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 9.2  | 0.84 | 1               |
| Acetone                                      | ND     |           | ug/kg | 9.2  | 4.4  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 9.2  | 4.2  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 9.2  | 2.0  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 9.2  | 1.2  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 9.2  | 1.1  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 1.8  | 0.19 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 0.92 | 0.26 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 0.92 | 0.15 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 0.92 | 0.13 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 1.8  | 0.11 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 2.8  | 0.92 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.92 | 0.10 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 0.92 | 0.10 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 3.7  | 0.60 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 0.92 | 0.16 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 1.8  | 0.30 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 1.8  | 0.25 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 1.8  | 0.18 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 1.8  | 0.31 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 3.7  | 0.87 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 9.2  | 0.50 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 73   | 32.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 3.7  | 0.64 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 3.7  | 0.55 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-11

Date Collected: 04/26/22 14:35

Client ID: SB-7 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 108        |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 110        |           | 70-130              |
| Dibromofluoromethane  | 93         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-12  
**Client ID:** SB-7  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 21:56  
**Analyst:** NLK  
**Percent Solids:** 88%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 5.2  | 2.4  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.6  | 0.14 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.0  | 0.24 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 1.0  | 0.13 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.0  | 0.14 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.0  | 0.28 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.52 | 0.20 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.52 | 0.13 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.2  | 0.72 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.0  | 0.27 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.52 | 0.17 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.52 | 0.11 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.0  | 0.28 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.52 | 0.16 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.52 | 0.16 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.2  | 0.26 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.52 | 0.17 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.52 | 0.17 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.0  | 0.56 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.2  | 0.97 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.1  | 0.60 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.0  | 0.35 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.1  | 0.47 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.0  | 0.25 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.6  | 0.14 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.52 | 0.14 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-12

Date Collected: 04/26/22 14:35

Client ID: SB-7

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.1 | 0.15 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.1 | 0.15 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.1 | 0.18 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.1 | 0.21 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.1 | 0.58 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.0 | 0.30 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.0 | 0.30 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.0 | 0.14 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.0 | 0.20 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 10  | 0.95 | 1               |
| Acetone                                      | ND     |           | ug/kg | 10  | 5.0  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 10  | 4.7  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 10  | 2.3  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 10  | 1.3  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 10  | 1.2  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.1 | 0.21 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 1.0 | 0.29 | 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 | 2.1 | 0.12 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 3.1 | 1.0  | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.0 | 0.11 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 1.0 | 0.11 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 4.2 | 0.68 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.1 | 0.33 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 2.1 | 0.28 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 2.1 | 0.20 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 2.1 | 0.35 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.2 | 0.99 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 10  | 0.56 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 83  | 36.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.2 | 0.72 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.2 | 0.63 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-12

Date Collected: 04/26/22 14:35

Client ID: SB-7

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 106        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 107        |           | 70-130              |
| Dibromofluoromethane  | 94         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-14  
**Client ID:** SB-9  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 22:16  
**Analyst:** NLK  
**Percent Solids:** 93%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 5.1  | 2.3  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.5  | 0.14 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.0  | 0.23 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 1.0  | 0.13 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.0  | 0.14 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.0  | 0.27 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.51 | 0.20 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.51 | 0.13 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.1  | 0.71 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.0  | 0.26 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.51 | 0.17 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.51 | 0.11 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.0  | 0.28 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.51 | 0.16 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.51 | 0.16 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.1  | 0.25 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.51 | 0.17 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.51 | 0.17 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.0  | 0.55 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.0  | 0.14 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.1  | 0.95 | 1               |
| Bromomethane                                 | 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 | 0.51 | 0.14 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-14**Date Collected:** 04/27/22 10:55**Client ID:** SB-9**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.15 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.15 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.17 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.0 | 0.20 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.0 | 0.57 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.0 | 0.30 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.0 | 0.30 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.0 | 0.14 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.0 | 0.20 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 10  | 0.93 | 1               |
| Acetone                                      | 13     |           | ug/kg | 10  | 4.9  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 10  | 4.6  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 10  | 2.2  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 10  | 1.3  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 10  | 1.2  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.0 | 0.21 | 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                           | ND     |           | ug/kg | 1.0 | 0.11 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 4.1 | 0.66 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.0 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.0 | 0.33 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 2.0 | 0.28 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 2.0 | 0.20 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 2.0 | 0.34 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.1 | 0.96 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 10  | 0.55 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 81  | 36.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.1 | 0.70 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.1 | 0.61 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-14

Date Collected: 04/27/22 10:55

Client ID: SB-9

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 104        |           | 70-130              |
| Dibromofluoromethane  | 92         |           | 70-130              |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-19  
 Client ID: SB-14  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 10:15  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/05/22 22:35  
 Analyst: NLK  
 Percent Solids: 93%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 4.8  | 2.2  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 0.95 | 0.14 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.4  | 0.13 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.95 | 0.22 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 0.95 | 0.12 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.95 | 0.13 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 0.95 | 0.25 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.48 | 0.19 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.48 | 0.12 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 3.8  | 0.66 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.95 | 0.24 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.48 | 0.16 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.48 | 0.10 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 0.95 | 0.26 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.48 | 0.15 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.48 | 0.15 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 3.8  | 0.23 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.48 | 0.16 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.48 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/kg | 0.95 | 0.52 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.95 | 0.13 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 3.8  | 0.89 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 1.9  | 0.55 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 0.95 | 0.32 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 1.9  | 0.43 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.95 | 0.23 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.4  | 0.13 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.48 | 0.13 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-19  
 Client ID: SB-14  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 10:15  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.14 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.14 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 1.9  | 0.16 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 1.9  | 0.19 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 1.9  | 0.53 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 0.95 | 0.28 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 0.95 | 0.28 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.95 | 0.17 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 0.95 | 0.13 | 1               |
| Styrene                                      | ND     |           | ug/kg | 0.95 | 0.19 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 9.5  | 0.87 | 1               |
| Acetone                                      | 11     |           | ug/kg | 9.5  | 4.6  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 9.5  | 4.3  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 9.5  | 2.1  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 9.5  | 1.2  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 9.5  | 1.1  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 1.9  | 0.20 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 0.95 | 0.27 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 0.95 | 0.16 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 0.95 | 0.14 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 1.9  | 0.11 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 2.9  | 0.95 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.95 | 0.10 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 0.95 | 0.10 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 3.8  | 0.62 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 0.95 | 0.16 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 1.9  | 0.31 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 1.9  | 0.26 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 1.9  | 0.18 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 1.9  | 0.32 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 3.8  | 0.91 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 9.5  | 0.52 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 76   | 34.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 3.8  | 0.66 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 3.8  | 0.58 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-19

Date Collected: 04/27/22 10:15

Client ID: SB-14

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 106        |           | 70-130              |
| Dibromofluoromethane  | 94         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-26  
**Client ID:** SB-21 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 22:55  
**Analyst:** NLK  
**Percent Solids:** 95%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 4.4  | 2.0  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 0.88 | 0.13 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.3  | 0.12 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.88 | 0.20 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 0.88 | 0.11 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.88 | 0.12 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 0.88 | 0.24 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.44 | 0.17 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.44 | 0.11 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 3.5  | 0.61 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.88 | 0.23 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.44 | 0.15 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.44 | 0.10 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 0.88 | 0.24 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.44 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.44 | 0.14 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 3.5  | 0.22 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.44 | 0.15 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.44 | 0.15 | 1               |
| Toluene                                      | ND     |           | ug/kg | 0.88 | 0.48 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.88 | 0.12 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 3.5  | 0.82 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 1.8  | 0.51 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 0.88 | 0.29 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 1.8  | 0.40 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.88 | 0.21 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.3  | 0.12 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.44 | 0.12 | 1               |



Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-26  
 Client ID: SB-21 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 14:05  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 1.8  | 0.13 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 1.8  | 0.13 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 1.8  | 0.15 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 1.8  | 0.18 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 1.8  | 0.49 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 0.88 | 0.26 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 0.88 | 0.26 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.88 | 0.15 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 0.88 | 0.12 | 1               |
| Styrene                                      | ND     |           | ug/kg | 0.88 | 0.17 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 8.8  | 0.80 | 1               |
| Acetone                                      | 6.5    | J         | ug/kg | 8.8  | 4.2  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 8.8  | 4.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 8.8  | 2.0  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 8.8  | 1.1  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 8.8  | 1.0  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 1.8  | 0.18 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 0.88 | 0.24 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 0.88 | 0.15 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 0.88 | 0.13 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 1.8  | 0.10 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 2.6  | 0.88 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.88 | 0.10 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 0.88 | 0.10 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 3.5  | 0.57 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 0.88 | 0.15 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 1.8  | 0.28 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 1.8  | 0.24 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 1.8  | 0.17 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 1.8  | 0.29 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 3.5  | 0.84 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 8.8  | 0.48 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 70   | 31.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 3.5  | 0.61 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 3.5  | 0.53 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-26

Date Collected: 04/26/22 14:05

Client ID: SB-21 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 111        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 107        |           | 70-130              |
| Dibromofluoromethane  | 93         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-27  
**Client ID:** SB-21  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 23:15  
**Analyst:** NLK  
**Percent Solids:** 95%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 4.5  | 2.0  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 0.90 | 0.13 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.3  | 0.12 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.90 | 0.21 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 0.90 | 0.11 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.90 | 0.12 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 0.90 | 0.24 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.45 | 0.18 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.45 | 0.11 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 3.6  | 0.62 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.90 | 0.23 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.45 | 0.15 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.45 | 0.10 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 0.90 | 0.24 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.45 | 0.14 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.45 | 0.14 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 3.6  | 0.22 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.45 | 0.15 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.45 | 0.15 | 1               |
| Toluene                                      | ND     |           | ug/kg | 0.90 | 0.49 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.90 | 0.13 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 3.6  | 0.83 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 1.8  | 0.52 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 0.90 | 0.30 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 1.8  | 0.40 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.90 | 0.21 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.3  | 0.12 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.45 | 0.12 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-27

Date Collected: 04/26/22 14:05

Client ID: SB-21

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 1.8  | 0.13 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 1.8  | 0.13 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 1.8  | 0.15 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 1.8  | 0.18 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 1.8  | 0.50 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 0.90 | 0.26 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 0.90 | 0.26 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.90 | 0.16 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 0.90 | 0.12 | 1               |
| Styrene                                      | ND     |           | ug/kg | 0.90 | 0.18 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 9.0  | 0.82 | 1               |
| Acetone                                      | 22     |           | ug/kg | 9.0  | 4.3  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 9.0  | 4.1  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 9.0  | 2.0  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 9.0  | 1.1  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 9.0  | 1.0  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 1.8  | 0.18 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 0.90 | 0.25 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 0.90 | 0.15 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 0.90 | 0.13 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 1.8  | 0.10 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 2.7  | 0.89 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.90 | 0.10 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 0.90 | 0.10 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 3.6  | 0.58 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 0.90 | 0.15 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 1.8  | 0.29 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 1.8  | 0.24 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 1.8  | 0.17 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 1.8  | 0.30 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 3.6  | 0.85 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 9.0  | 0.49 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 72   | 31.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 3.6  | 0.62 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 3.6  | 0.54 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-27

Date Collected: 04/26/22 14:05

Client ID: SB-21

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 108        |           | 70-130              |
| Dibromofluoromethane  | 92         |           | 70-130              |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-31  
 Client ID: SB-25 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 11:15  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 05/05/22 23:34  
 Analyst: NLK  
 Percent Solids: 94%

| 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 | 0.99 | 0.14 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.5  | 0.14 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.99 | 0.23 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 0.99 | 0.12 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 0.99 | 0.26 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.50 | 0.19 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.50 | 0.13 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.0  | 0.69 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.99 | 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 | 0.99 | 0.27 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.0  | 0.24 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/kg | 0.99 | 0.54 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.0  | 0.93 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.0  | 0.58 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 0.99 | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.0  | 0.45 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.99 | 0.24 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.5  | 0.14 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.50 | 0.14 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-31**Date Collected:** 04/26/22 11:15**Client ID:** SB-25 (0-2')**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.0  | 0.14 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.0  | 0.15 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.0  | 0.17 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.0  | 0.20 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.0  | 0.56 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 0.99 | 0.29 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 0.99 | 0.29 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.99 | 0.17 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| Styrene                                      | ND     |           | ug/kg | 0.99 | 0.19 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 9.9  | 0.91 | 1               |
| Acetone                                      | 7.3    | J         | ug/kg | 9.9  | 4.8  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 9.9  | 4.5  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 9.9  | 2.2  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 9.9  | 1.3  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 9.9  | 1.2  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.0  | 0.20 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 0.99 | 0.28 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 0.99 | 0.17 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 2.0  | 0.12 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 3.0  | 0.99 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.99 | 0.11 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 0.99 | 0.11 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 4.0  | 0.65 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 0.99 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.0  | 0.32 | 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  | 0.33 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.0  | 0.94 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 9.9  | 0.54 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 80   | 35.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.0  | 0.69 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.0  | 0.60 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-31

Date Collected: 04/26/22 11:15

Client ID: SB-25 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 104        |           | 70-130              |
| Dibromofluoromethane  | 95         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-32  
**Client ID:** SB-25  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/05/22 23:54  
**Analyst:** NLK  
**Percent Solids:** 81%

| 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  | 0.14 | 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  | 0.12 | 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  | 0.69 | 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  | 0.27 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.0  | 0.24 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.0  | 0.54 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.0  | 0.14 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.0  | 0.93 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.0  | 0.58 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.0  | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.0  | 0.45 | 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               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-32  
 Client ID: SB-25  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 11:15  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.14 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.15 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.0 | 0.17 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.0 | 0.20 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.0 | 0.56 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.0 | 0.29 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.0 | 0.29 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.0 | 0.17 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.0 | 0.14 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.0 | 0.20 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 10  | 0.91 | 1               |
| Acetone                                      | ND     |           | ug/kg | 10  | 4.8  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 10  | 4.5  | 1               |
| 2-Butanone                                   | ND     |           | 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               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.0 | 0.20 | 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 | 0.14 | 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                           | ND     |           | ug/kg | 1.0 | 0.11 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 4.0 | 0.65 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.0 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.0 | 0.32 | 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 | 0.33 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.0 | 0.95 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 10  | 0.54 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 80  | 35.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.0 | 0.69 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.0 | 0.60 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-32

Date Collected: 04/26/22 11:15

Client ID: SB-25

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 105        |           | 70-130              |
| Dibromofluoromethane  | 95         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-34  
**Client ID:** SB-27 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/06/22 00:13  
**Analyst:** NLK  
**Percent Solids:** 93%

| 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 | 0.99 | 0.14 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.5  | 0.14 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.99 | 0.23 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 0.99 | 0.12 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 0.99 | 0.26 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.50 | 0.19 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.50 | 0.12 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.0  | 0.69 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.99 | 0.25 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.50 | 0.11 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 0.99 | 0.27 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.0  | 0.24 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/kg | 0.99 | 0.54 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.0  | 0.92 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.0  | 0.58 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 0.99 | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.0  | 0.45 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.99 | 0.24 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.5  | 0.14 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.50 | 0.14 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-34  
 Client ID: SB-27 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 09:45  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.0  | 0.14 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.0  | 0.15 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.0  | 0.17 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.0  | 0.20 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.0  | 0.55 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 0.99 | 0.29 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 0.99 | 0.29 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.99 | 0.17 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| Styrene                                      | ND     |           | ug/kg | 0.99 | 0.19 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 9.9  | 0.90 | 1               |
| Acetone                                      | 23     |           | ug/kg | 9.9  | 4.8  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 9.9  | 4.5  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 9.9  | 2.2  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 9.9  | 1.3  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 9.9  | 1.2  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.0  | 0.20 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 0.99 | 0.28 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 0.99 | 0.16 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 2.0  | 0.12 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 3.0  | 0.99 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.99 | 0.11 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 0.99 | 0.11 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 4.0  | 0.64 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 0.99 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.0  | 0.32 | 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  | 0.33 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.0  | 0.94 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 9.9  | 0.54 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 79   | 35.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.0  | 0.69 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.0  | 0.60 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-34

Date Collected: 04/26/22 09:45

Client ID: SB-27 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 108        |           | 70-130              |
| Dibromofluoromethane  | 95         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-35  
**Client ID:** SB-27  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/06/22 00:33  
**Analyst:** NLK  
**Percent Solids:** 85%

| 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 | 0.99 | 0.14 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.5  | 0.14 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 0.99 | 0.23 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 0.99 | 0.12 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 0.99 | 0.26 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.50 | 0.19 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.50 | 0.12 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.0  | 0.69 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 0.99 | 0.25 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.50 | 0.11 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 0.99 | 0.27 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.0  | 0.24 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.50 | 0.16 | 1               |
| Toluene                                      | ND     |           | ug/kg | 0.99 | 0.54 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.0  | 0.92 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.0  | 0.58 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 0.99 | 0.33 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.0  | 0.45 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 0.99 | 0.24 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.5  | 0.14 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.50 | 0.14 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-35  
 Client ID: SB-27  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 09:45  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.0  | 0.14 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.0  | 0.15 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.0  | 0.17 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.0  | 0.20 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.0  | 0.55 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 0.99 | 0.29 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 0.99 | 0.29 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 0.99 | 0.17 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| Styrene                                      | ND     |           | ug/kg | 0.99 | 0.19 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 9.9  | 0.91 | 1               |
| Acetone                                      | 9.4    | J         | ug/kg | 9.9  | 4.8  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 9.9  | 4.5  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 9.9  | 2.2  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 9.9  | 1.3  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 9.9  | 1.2  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.0  | 0.20 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 0.99 | 0.28 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 0.99 | 0.16 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 0.99 | 0.14 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 2.0  | 0.12 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 3.0  | 0.99 | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 0.99 | 0.11 | 1               |
| p-Isopropyltoluene                           | ND     |           | ug/kg | 0.99 | 0.11 | 1               |
| Naphthalene                                  | ND     |           | ug/kg | 4.0  | 0.64 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 0.99 | 0.17 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.0  | 0.32 | 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  | 0.33 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.0  | 0.94 | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 9.9  | 0.54 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 79   | 35.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.0  | 0.69 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.0  | 0.60 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-35

Date Collected: 04/26/22 09:45

Client ID: SB-27

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 111        |           | 70-130              |
| Dibromofluoromethane  | 95         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-37  
**Client ID:** DUPE  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/06/22 00:53  
**Analyst:** NLK  
**Percent Solids:** 86%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 5.6  | 2.6  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.7  | 0.16 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.1  | 0.26 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 1.1  | 0.14 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.1  | 0.30 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.56 | 0.22 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.56 | 0.14 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.5  | 0.78 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.1  | 0.29 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.56 | 0.19 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.56 | 0.12 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.1  | 0.30 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| 1,3-Dichloropropene, Total                   | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.5  | 0.28 | 1               |
| 1,1,1,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.56 | 0.18 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.1  | 0.61 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.5  | 1.0  | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.2  | 0.65 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.1  | 0.38 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.2  | 0.51 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1  | 0.27 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.7  | 0.15 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.56 | 0.15 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-37  
 Client ID: DUPE  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 09:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.19 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.2 | 0.63 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.1 | 0.32 | 1               |
| Xylenes, Total                               | ND     |           | ug/kg | 1.1 | 0.32 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.1 | 0.20 | 1               |
| 1,2-Dichloroethene, Total                    | ND     |           | ug/kg | 1.1 | 0.15 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 1.0  | 1               |
| Acetone                                      | ND     |           | ug/kg | 11  | 5.4  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 11  | 5.1  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 11  | 2.5  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 11  | 1.4  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 11  | 1.3  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.2 | 0.23 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 1.1 | 0.31 | 1               |
| n-Butylbenzene                               | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| sec-Butylbenzene                             | ND     |           | ug/kg | 1.1 | 0.16 | 1               |
| tert-Butylbenzene                            | ND     |           | ug/kg | 2.2 | 0.13 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 3.4 | 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 | 4.5 | 0.73 | 1               |
| n-Propylbenzene                              | ND     |           | ug/kg | 1.1 | 0.19 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.2 | 0.36 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 2.2 | 0.30 | 1               |
| 1,3,5-Trimethylbenzene                       | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| 1,2,4-Trimethylbenzene                       | ND     |           | ug/kg | 2.2 | 0.37 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.5 | 1.1  | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 11  | 0.61 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 90  | 39.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.5 | 0.78 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.5 | 0.68 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-37

Date Collected: 04/28/22 09:35

Client ID: DUPE

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |    |     |                 |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 109        |           | 70-130              |
| Dibromofluoromethane  | 96         |           | 70-130              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 05/05/22 18:20  
 Analyst: AJK

| Parameter                                                                                                                | Result | Qualifier | Units | RL   | MDL  |
|--------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-05,07-12,14,19,26-27,31-32,34-35,37<br>Batch: WG1635365-5 |        |           |       |      |      |
| Methylene chloride                                                                                                       | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane                                                                                                       | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform                                                                                                               | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride                                                                                                     | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane                                                                                                      | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane                                                                                                     | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane                                                                                                    | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene                                                                                                        | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene                                                                                                            | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane                                                                                                   | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane                                                                                                       | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane                                                                                                    | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane                                                                                                     | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene                                                                                                | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene                                                                                                  | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total                                                                                               | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform                                                                                                                | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,1,2-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 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
 Analytical Date: 05/05/22 18:20  
 Analyst: AJK

| Parameter                                                                                                                | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-05,07-12,14,19,26-27,31-32,34-35,37<br>Batch: WG1635365-5 |        |           |       |     |      |
| 1,3-Dichlorobenzene                                                                                                      | ND     |           | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene                                                                                                      | ND     |           | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether                                                                                                  | ND     |           | ug/kg | 2.0 | 0.20 |
| p/m-Xylene                                                                                                               | ND     |           | ug/kg | 2.0 | 0.56 |
| o-Xylene                                                                                                                 | ND     |           | ug/kg | 1.0 | 0.29 |
| Xylenes, Total                                                                                                           | ND     |           | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene                                                                                                   | ND     |           | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total                                                                                                | ND     |           | ug/kg | 1.0 | 0.14 |
| 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  |
| Bromochloromethane                                                                                                       | ND     |           | ug/kg | 2.0 | 0.20 |
| 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 |
| 1,2,3-Trichlorobenzene                                                                                                   | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene                                                                                                   | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene                                                                                                   | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene                                                                                                   | ND     |           | ug/kg | 2.0 | 0.33 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 05/05/22 18:20  
 Analyst: AJK

| Parameter                                                                                                                | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-05,07-12,14,19,26-27,31-32,34-35,37<br>Batch: WG1635365-5 |        |           |       |     |      |
| Methyl Acetate                                                                                                           | ND     |           | ug/kg | 4.0 | 0.95 |
| Cyclohexane                                                                                                              | ND     |           | ug/kg | 10  | 0.54 |
| 1,4-Dioxane                                                                                                              | ND     |           | ug/kg | 80  | 35.  |
| Freon-113                                                                                                                | ND     |           | ug/kg | 4.0 | 0.69 |
| Methyl cyclohexane                                                                                                       | ND     |           | ug/kg | 4.0 | 0.60 |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 106       |           | 70-130                 |
| Toluene-d8            | 102       |           | 70-130                 |
| 4-Bromofluorobenzene  | 105       |           | 70-130                 |
| Dibromofluoromethane  | 87        |           | 70-130                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 05/06/22 18:37  
 Analyst: LAC

| Parameter                                                                         | Result | Qualifier | Units | RL   | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1635990-5 |        |           |       |      |      |
| Methylene chloride                                                                | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane                                                                | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform                                                                        | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride                                                              | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane                                                               | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane                                                              | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane                                                             | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene                                                                 | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene                                                                     | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane                                                            | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane                                                                | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane                                                             | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane                                                              | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene                                                         | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene                                                           | ND     |           | ug/kg | 0.50 | 0.16 |
| 1,3-Dichloropropene, Total                                                        | ND     |           | ug/kg | 0.50 | 0.16 |
| 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 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 05/06/22 18:37  
 Analyst: LAC

| Parameter                                                                         | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1635990-5 |        |           |       |     |      |
| 1,3-Dichlorobenzene                                                               | ND     |           | ug/kg | 2.0 | 0.15 |
| 1,4-Dichlorobenzene                                                               | ND     |           | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether                                                           | ND     |           | ug/kg | 2.0 | 0.20 |
| p/m-Xylene                                                                        | ND     |           | ug/kg | 2.0 | 0.56 |
| o-Xylene                                                                          | ND     |           | ug/kg | 1.0 | 0.29 |
| Xylenes, Total                                                                    | ND     |           | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene                                                            | ND     |           | ug/kg | 1.0 | 0.18 |
| 1,2-Dichloroethene, Total                                                         | ND     |           | ug/kg | 1.0 | 0.14 |
| 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  |
| Bromochloromethane                                                                | ND     |           | ug/kg | 2.0 | 0.20 |
| 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                                                                       | 0.89   | J         | ug/kg | 4.0 | 0.65 |
| n-Propylbenzene                                                                   | ND     |           | ug/kg | 1.0 | 0.17 |
| 1,2,3-Trichlorobenzene                                                            | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene                                                            | ND     |           | ug/kg | 2.0 | 0.27 |
| 1,3,5-Trimethylbenzene                                                            | ND     |           | ug/kg | 2.0 | 0.19 |
| 1,2,4-Trimethylbenzene                                                            | ND     |           | ug/kg | 2.0 | 0.33 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 05/06/22 18:37  
 Analyst: LAC

| Parameter                                                                         | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1635990-5 |        |           |       |     |      |
| Methyl Acetate                                                                    | ND     |           | ug/kg | 4.0 | 0.95 |
| Cyclohexane                                                                       | ND     |           | ug/kg | 10  | 0.54 |
| 1,4-Dioxane                                                                       | ND     |           | ug/kg | 80  | 35.  |
| Freon-113                                                                         | ND     |           | ug/kg | 4.0 | 0.69 |
| Methyl cyclohexane                                                                | ND     |           | ug/kg | 4.0 | 0.60 |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 103       |           | 70-130                 |
| Toluene-d8            | 103       |           | 70-130                 |
| 4-Bromofluorobenzene  | 106       |           | 70-130                 |
| Dibromofluoromethane  | 85        |           | 70-130                 |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 05/06/22 18:37  
 Analyst: LAC

| Parameter                                                                         | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1636060-5 |        |           |       |     |     |
| Methylene chloride                                                                | ND     |           | ug/kg | 250 | 110 |
| 1,1-Dichloroethane                                                                | ND     |           | ug/kg | 50  | 7.2 |
| Chloroform                                                                        | ND     |           | ug/kg | 75  | 7.0 |
| Carbon tetrachloride                                                              | ND     |           | ug/kg | 50  | 12. |
| 1,2-Dichloropropane                                                               | ND     |           | ug/kg | 50  | 6.2 |
| Dibromochloromethane                                                              | ND     |           | ug/kg | 50  | 7.0 |
| 1,1,2-Trichloroethane                                                             | ND     |           | ug/kg | 50  | 13. |
| Tetrachloroethene                                                                 | ND     |           | ug/kg | 25  | 9.8 |
| Chlorobenzene                                                                     | ND     |           | ug/kg | 25  | 6.4 |
| Trichlorofluoromethane                                                            | ND     |           | ug/kg | 200 | 35. |
| 1,2-Dichloroethane                                                                | ND     |           | ug/kg | 50  | 13. |
| 1,1,1-Trichloroethane                                                             | ND     |           | ug/kg | 25  | 8.4 |
| Bromodichloromethane                                                              | ND     |           | ug/kg | 25  | 5.4 |
| trans-1,3-Dichloropropene                                                         | ND     |           | ug/kg | 50  | 14. |
| cis-1,3-Dichloropropene                                                           | ND     |           | ug/kg | 25  | 7.9 |
| 1,3-Dichloropropene, Total                                                        | ND     |           | ug/kg | 25  | 7.9 |
| Bromoform                                                                         | ND     |           | ug/kg | 200 | 12. |
| 1,1,2,2-Tetrachloroethane                                                         | ND     |           | ug/kg | 25  | 8.3 |
| Benzene                                                                           | ND     |           | ug/kg | 25  | 8.3 |
| Toluene                                                                           | ND     |           | ug/kg | 50  | 27. |
| Ethylbenzene                                                                      | ND     |           | ug/kg | 50  | 7.0 |
| Chloromethane                                                                     | ND     |           | ug/kg | 200 | 47. |
| Bromomethane                                                                      | ND     |           | ug/kg | 100 | 29. |
| Vinyl chloride                                                                    | ND     |           | ug/kg | 50  | 17. |
| Chloroethane                                                                      | ND     |           | ug/kg | 100 | 23. |
| 1,1-Dichloroethene                                                                | ND     |           | ug/kg | 50  | 12. |
| trans-1,2-Dichloroethene                                                          | ND     |           | ug/kg | 75  | 6.8 |
| Trichloroethene                                                                   | ND     |           | ug/kg | 25  | 6.8 |
| 1,2-Dichlorobenzene                                                               | ND     |           | ug/kg | 100 | 7.2 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 05/06/22 18:37  
Analyst: LAC

| Parameter                                                                         | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1636060-5 |        |           |       |     |     |
| 1,3-Dichlorobenzene                                                               | ND     |           | ug/kg | 100 | 7.4 |
| 1,4-Dichlorobenzene                                                               | ND     |           | ug/kg | 100 | 8.6 |
| Methyl tert butyl ether                                                           | ND     |           | ug/kg | 100 | 10. |
| p/m-Xylene                                                                        | ND     |           | ug/kg | 100 | 28. |
| o-Xylene                                                                          | ND     |           | ug/kg | 50  | 14. |
| Xylenes, Total                                                                    | ND     |           | ug/kg | 50  | 14. |
| cis-1,2-Dichloroethene                                                            | ND     |           | ug/kg | 50  | 8.8 |
| 1,2-Dichloroethene, Total                                                         | ND     |           | ug/kg | 50  | 6.8 |
| Styrene                                                                           | ND     |           | ug/kg | 50  | 9.8 |
| Dichlorodifluoromethane                                                           | ND     |           | ug/kg | 500 | 46. |
| Acetone                                                                           | ND     |           | ug/kg | 500 | 240 |
| Carbon disulfide                                                                  | ND     |           | ug/kg | 500 | 230 |
| 2-Butanone                                                                        | ND     |           | ug/kg | 500 | 110 |
| 4-Methyl-2-pentanone                                                              | ND     |           | ug/kg | 500 | 64. |
| 2-Hexanone                                                                        | ND     |           | ug/kg | 500 | 59. |
| Bromochloromethane                                                                | ND     |           | ug/kg | 100 | 10. |
| 1,2-Dibromoethane                                                                 | ND     |           | ug/kg | 50  | 14. |
| n-Butylbenzene                                                                    | ND     |           | ug/kg | 50  | 8.4 |
| sec-Butylbenzene                                                                  | ND     |           | ug/kg | 50  | 7.3 |
| tert-Butylbenzene                                                                 | ND     |           | ug/kg | 100 | 5.9 |
| 1,2-Dibromo-3-chloropropane                                                       | ND     |           | ug/kg | 150 | 50. |
| Isopropylbenzene                                                                  | ND     |           | ug/kg | 50  | 5.4 |
| p-Isopropyltoluene                                                                | ND     |           | ug/kg | 50  | 5.4 |
| Naphthalene                                                                       | 45     | J         | ug/kg | 200 | 32. |
| n-Propylbenzene                                                                   | ND     |           | ug/kg | 50  | 8.6 |
| 1,2,3-Trichlorobenzene                                                            | ND     |           | ug/kg | 100 | 16. |
| 1,2,4-Trichlorobenzene                                                            | ND     |           | ug/kg | 100 | 14. |
| 1,3,5-Trimethylbenzene                                                            | ND     |           | ug/kg | 100 | 9.6 |
| 1,2,4-Trimethylbenzene                                                            | ND     |           | ug/kg | 100 | 17. |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 05/06/22 18:37  
 Analyst: LAC

| Parameter                                                                         | Result | Qualifier | Units | RL   | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1636060-5 |        |           |       |      |      |
| Methyl Acetate                                                                    | ND     |           | ug/kg | 200  | 48.  |
| Cyclohexane                                                                       | ND     |           | ug/kg | 500  | 27.  |
| 1,4-Dioxane                                                                       | ND     |           | ug/kg | 4000 | 1800 |
| Freon-113                                                                         | ND     |           | ug/kg | 200  | 35.  |
| Methyl cyclohexane                                                                | ND     |           | ug/kg | 200  | 30.  |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 103       |           | 70-130                 |
| Toluene-d8            | 102       |           | 70-130                 |
| 4-Bromofluorobenzene  | 106       |           | 70-130                 |
| Dibromofluoromethane  | 85        |           | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05,07-12,14,19,26-27,31-32,34-35,37 Batch: WG1635365-3 WG1635365-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                                                       | 83               |      | 80                |      | 70-130              | 4   |      | 30            |
| 1,1-Dichloroethane                                                                                                                       | 91               |      | 82                |      | 70-130              | 10  |      | 30            |
| Chloroform                                                                                                                               | 88               |      | 81                |      | 70-130              | 8   |      | 30            |
| Carbon tetrachloride                                                                                                                     | 93               |      | 80                |      | 70-130              | 15  |      | 30            |
| 1,2-Dichloropropane                                                                                                                      | 97               |      | 92                |      | 70-130              | 5   |      | 30            |
| Dibromochloromethane                                                                                                                     | 93               |      | 91                |      | 70-130              | 2   |      | 30            |
| 1,1,2-Trichloroethane                                                                                                                    | 97               |      | 97                |      | 70-130              | 0   |      | 30            |
| Tetrachloroethene                                                                                                                        | 99               |      | 87                |      | 70-130              | 13  |      | 30            |
| Chlorobenzene                                                                                                                            | 93               |      | 87                |      | 70-130              | 7   |      | 30            |
| Trichlorofluoromethane                                                                                                                   | 90               |      | 78                |      | 70-139              | 14  |      | 30            |
| 1,2-Dichloroethane                                                                                                                       | 92               |      | 91                |      | 70-130              | 1   |      | 30            |
| 1,1,1-Trichloroethane                                                                                                                    | 94               |      | 84                |      | 70-130              | 11  |      | 30            |
| Bromodichloromethane                                                                                                                     | 88               |      | 85                |      | 70-130              | 3   |      | 30            |
| trans-1,3-Dichloropropene                                                                                                                | 100              |      | 99                |      | 70-130              | 1   |      | 30            |
| cis-1,3-Dichloropropene                                                                                                                  | 98               |      | 95                |      | 70-130              | 3   |      | 30            |
| Bromoform                                                                                                                                | 82               |      | 85                |      | 70-130              | 4   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                                                                | 101              |      | 109               |      | 70-130              | 8   |      | 30            |
| Benzene                                                                                                                                  | 96               |      | 88                |      | 70-130              | 9   |      | 30            |
| Toluene                                                                                                                                  | 96               |      | 86                |      | 70-130              | 11  |      | 30            |
| Ethylbenzene                                                                                                                             | 99               |      | 89                |      | 70-130              | 11  |      | 30            |
| Chloromethane                                                                                                                            | 92               |      | 80                |      | 52-130              | 14  |      | 30            |
| Bromomethane                                                                                                                             | 100              |      | 88                |      | 57-147              | 13  |      | 30            |
| Vinyl chloride                                                                                                                           | 92               |      | 78                |      | 67-130              | 16  |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05,07-12,14,19,26-27,31-32,34-35,37 Batch: WG1635365-3 WG1635365-4 |                  |      |                   |      |                     |     |      |               |
| Chloroethane                                                                                                                             | 95               |      | 83                |      | 50-151              | 13  |      | 30            |
| 1,1-Dichloroethene                                                                                                                       | 87               |      | 76                |      | 65-135              | 13  |      | 30            |
| trans-1,2-Dichloroethene                                                                                                                 | 88               |      | 79                |      | 70-130              | 11  |      | 30            |
| Trichloroethene                                                                                                                          | 98               |      | 86                |      | 70-130              | 13  |      | 30            |
| 1,2-Dichlorobenzene                                                                                                                      | 95               |      | 92                |      | 70-130              | 3   |      | 30            |
| 1,3-Dichlorobenzene                                                                                                                      | 96               |      | 91                |      | 70-130              | 5   |      | 30            |
| 1,4-Dichlorobenzene                                                                                                                      | 95               |      | 91                |      | 70-130              | 4   |      | 30            |
| Methyl tert butyl ether                                                                                                                  | 97               |      | 99                |      | 66-130              | 2   |      | 30            |
| p/m-Xylene                                                                                                                               | 96               |      | 86                |      | 70-130              | 11  |      | 30            |
| o-Xylene                                                                                                                                 | 94               |      | 86                |      | 70-130              | 9   |      | 30            |
| cis-1,2-Dichloroethene                                                                                                                   | 86               |      | 80                |      | 70-130              | 7   |      | 30            |
| Styrene                                                                                                                                  | 91               |      | 85                |      | 70-130              | 7   |      | 30            |
| Dichlorodifluoromethane                                                                                                                  | 80               |      | 69                |      | 30-146              | 15  |      | 30            |
| Acetone                                                                                                                                  | 85               |      | 93                |      | 54-140              | 9   |      | 30            |
| Carbon disulfide                                                                                                                         | 87               |      | 75                |      | 59-130              | 15  |      | 30            |
| 2-Butanone                                                                                                                               | 77               |      | 83                |      | 70-130              | 8   |      | 30            |
| 4-Methyl-2-pentanone                                                                                                                     | 88               |      | 97                |      | 70-130              | 10  |      | 30            |
| 2-Hexanone                                                                                                                               | 76               |      | 85                |      | 70-130              | 11  |      | 30            |
| Bromochloromethane                                                                                                                       | 84               |      | 82                |      | 70-130              | 2   |      | 30            |
| 1,2-Dibromoethane                                                                                                                        | 96               |      | 96                |      | 70-130              | 0   |      | 30            |
| n-Butylbenzene                                                                                                                           | 113              |      | 101               |      | 70-130              | 11  |      | 30            |
| sec-Butylbenzene                                                                                                                         | 106              |      | 96                |      | 70-130              | 10  |      | 30            |
| tert-Butylbenzene                                                                                                                        | 102              |      | 92                |      | 70-130              | 10  |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05,07-12,14,19,26-27,31-32,34-35,37 Batch: WG1635365-3 WG1635365-4 |                  |      |                   |      |                     |     |      |               |
| 1,2-Dibromo-3-chloropropane                                                                                                              | 81               |      | 89                |      | 68-130              | 9   |      | 30            |
| Isopropylbenzene                                                                                                                         | 104              |      | 94                |      | 70-130              | 10  |      | 30            |
| p-Isopropyltoluene                                                                                                                       | 106              |      | 97                |      | 70-130              | 9   |      | 30            |
| Naphthalene                                                                                                                              | 91               |      | 98                |      | 70-130              | 7   |      | 30            |
| n-Propylbenzene                                                                                                                          | 105              |      | 96                |      | 70-130              | 9   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                                                   | 95               |      | 97                |      | 70-130              | 2   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                                                   | 101              |      | 97                |      | 70-130              | 4   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                                                                   | 104              |      | 96                |      | 70-130              | 8   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                                                                   | 104              |      | 97                |      | 70-130              | 7   |      | 30            |
| Methyl Acetate                                                                                                                           | 76               |      | 83                |      | 51-146              | 9   |      | 30            |
| Cyclohexane                                                                                                                              | 99               |      | 86                |      | 59-142              | 14  |      | 30            |
| 1,4-Dioxane                                                                                                                              | 74               |      | 82                |      | 65-136              | 10  |      | 30            |
| Freon-113                                                                                                                                | 91               |      | 80                |      | 50-139              | 13  |      | 30            |
| Methyl cyclohexane                                                                                                                       | 103              |      | 90                |      | 70-130              | 13  |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 95               |      | 97                |      | 70-130                 |
| Toluene-d8            | 103              |      | 102               |      | 70-130                 |
| 4-Bromofluorobenzene  | 106              |      | 108               |      | 70-130                 |
| Dibromofluoromethane  | 89               |      | 89                |      | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1635990-3 WG1635990-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                   | 83               |      | 77                |      | 70-130              | 8   |      | 30            |
| 1,1-Dichloroethane                                                                                   | 89               |      | 82                |      | 70-130              | 8   |      | 30            |
| Chloroform                                                                                           | 86               |      | 80                |      | 70-130              | 7   |      | 30            |
| Carbon tetrachloride                                                                                 | 88               |      | 82                |      | 70-130              | 7   |      | 30            |
| 1,2-Dichloropropane                                                                                  | 97               |      | 89                |      | 70-130              | 9   |      | 30            |
| Dibromochloromethane                                                                                 | 96               |      | 90                |      | 70-130              | 6   |      | 30            |
| 1,1,2-Trichloroethane                                                                                | 104              |      | 96                |      | 70-130              | 8   |      | 30            |
| Tetrachloroethene                                                                                    | 96               |      | 89                |      | 70-130              | 8   |      | 30            |
| Chlorobenzene                                                                                        | 94               |      | 86                |      | 70-130              | 9   |      | 30            |
| Trichlorofluoromethane                                                                               | 85               |      | 78                |      | 70-139              | 9   |      | 30            |
| 1,2-Dichloroethane                                                                                   | 95               |      | 88                |      | 70-130              | 8   |      | 30            |
| 1,1,1-Trichloroethane                                                                                | 90               |      | 84                |      | 70-130              | 7   |      | 30            |
| Bromodichloromethane                                                                                 | 88               |      | 82                |      | 70-130              | 7   |      | 30            |
| trans-1,3-Dichloropropene                                                                            | 105              |      | 96                |      | 70-130              | 9   |      | 30            |
| cis-1,3-Dichloropropene                                                                              | 100              |      | 92                |      | 70-130              | 8   |      | 30            |
| Bromoform                                                                                            | 88               |      | 82                |      | 70-130              | 7   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                            | 112              |      | 101               |      | 70-130              | 10  |      | 30            |
| Benzene                                                                                              | 94               |      | 87                |      | 70-130              | 8   |      | 30            |
| Toluene                                                                                              | 95               |      | 88                |      | 70-130              | 8   |      | 30            |
| Ethylbenzene                                                                                         | 98               |      | 90                |      | 70-130              | 9   |      | 30            |
| Chloromethane                                                                                        | 88               |      | 81                |      | 52-130              | 8   |      | 30            |
| Bromomethane                                                                                         | 97               |      | 86                |      | 57-147              | 12  |      | 30            |
| Vinyl chloride                                                                                       | 86               |      | 79                |      | 67-130              | 8   |      | 30            |



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1635990-3 WG1635990-4 |                  |      |                   |      |                     |     |      |               |
| Chloroethane                                                                                         | 91               |      | 85                |      | 50-151              | 7   |      | 30            |
| 1,1-Dichloroethene                                                                                   | 82               |      | 77                |      | 65-135              | 6   |      | 30            |
| trans-1,2-Dichloroethene                                                                             | 86               |      | 79                |      | 70-130              | 8   |      | 30            |
| Trichloroethene                                                                                      | 94               |      | 88                |      | 70-130              | 7   |      | 30            |
| 1,2-Dichlorobenzene                                                                                  | 96               |      | 88                |      | 70-130              | 9   |      | 30            |
| 1,3-Dichlorobenzene                                                                                  | 96               |      | 88                |      | 70-130              | 9   |      | 30            |
| 1,4-Dichlorobenzene                                                                                  | 95               |      | 88                |      | 70-130              | 8   |      | 30            |
| Methyl tert butyl ether                                                                              | 102              |      | 95                |      | 66-130              | 7   |      | 30            |
| p/m-Xylene                                                                                           | 94               |      | 87                |      | 70-130              | 8   |      | 30            |
| o-Xylene                                                                                             | 93               |      | 86                |      | 70-130              | 8   |      | 30            |
| cis-1,2-Dichloroethene                                                                               | 85               |      | 79                |      | 70-130              | 7   |      | 30            |
| Styrene                                                                                              | 92               |      | 85                |      | 70-130              | 8   |      | 30            |
| Dichlorodifluoromethane                                                                              | 76               |      | 70                |      | 30-146              | 8   |      | 30            |
| Acetone                                                                                              | 107              |      | 111               |      | 54-140              | 4   |      | 30            |
| Carbon disulfide                                                                                     | 83               |      | 77                |      | 59-130              | 8   |      | 30            |
| 2-Butanone                                                                                           | 88               |      | 87                |      | 70-130              | 1   |      | 30            |
| 4-Methyl-2-pentanone                                                                                 | 98               |      | 92                |      | 70-130              | 6   |      | 30            |
| 2-Hexanone                                                                                           | 87               |      | 85                |      | 70-130              | 2   |      | 30            |
| Bromochloromethane                                                                                   | 85               |      | 79                |      | 70-130              | 7   |      | 30            |
| 1,2-Dibromoethane                                                                                    | 103              |      | 95                |      | 70-130              | 8   |      | 30            |
| n-Butylbenzene                                                                                       | 112              |      | 102               |      | 70-130              | 9   |      | 30            |
| sec-Butylbenzene                                                                                     | 105              |      | 96                |      | 70-130              | 9   |      | 30            |
| tert-Butylbenzene                                                                                    | 100              |      | 92                |      | 70-130              | 8   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1635990-3 WG1635990-4 |                  |      |                   |      |                     |     |      |               |
| 1,2-Dibromo-3-chloropropane                                                                          | 91               |      | 84                |      | 68-130              | 8   |      | 30            |
| Isopropylbenzene                                                                                     | 102              |      | 94                |      | 70-130              | 8   |      | 30            |
| p-Isopropyltoluene                                                                                   | 105              |      | 96                |      | 70-130              | 9   |      | 30            |
| Naphthalene                                                                                          | 101              |      | 95                |      | 70-130              | 6   |      | 30            |
| n-Propylbenzene                                                                                      | 105              |      | 95                |      | 70-130              | 10  |      | 30            |
| 1,2,3-Trichlorobenzene                                                                               | 100              |      | 92                |      | 70-130              | 8   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                               | 103              |      | 95                |      | 70-130              | 8   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                               | 104              |      | 95                |      | 70-130              | 9   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                               | 105              |      | 95                |      | 70-130              | 10  |      | 30            |
| Methyl Acetate                                                                                       | 83               |      | 79                |      | 51-146              | 5   |      | 30            |
| Cyclohexane                                                                                          | 94               |      | 87                |      | 59-142              | 8   |      | 30            |
| 1,4-Dioxane                                                                                          | 86               |      | 82                |      | 65-136              | 5   |      | 30            |
| Freon-113                                                                                            | 85               |      | 79                |      | 50-139              | 7   |      | 30            |
| Methyl cyclohexane                                                                                   | 99               |      | 91                |      | 70-130              | 8   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 99               |      | 97                |      | 70-130                 |
| Toluene-d8            | 103              |      | 103               |      | 70-130                 |
| 4-Bromofluorobenzene  | 107              |      | 107               |      | 70-130                 |
| Dibromofluoromethane  | 88               |      | 88                |      | 70-130                 |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1636060-3 WG1636060-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                   | 83               |      | 77                |      | 70-130              | 8   |      | 30            |
| 1,1-Dichloroethane                                                                                   | 89               |      | 82                |      | 70-130              | 8   |      | 30            |
| Chloroform                                                                                           | 86               |      | 80                |      | 70-130              | 7   |      | 30            |
| Carbon tetrachloride                                                                                 | 88               |      | 82                |      | 70-130              | 7   |      | 30            |
| 1,2-Dichloropropane                                                                                  | 97               |      | 89                |      | 70-130              | 9   |      | 30            |
| Dibromochloromethane                                                                                 | 96               |      | 90                |      | 70-130              | 6   |      | 30            |
| 1,1,2-Trichloroethane                                                                                | 104              |      | 96                |      | 70-130              | 8   |      | 30            |
| Tetrachloroethene                                                                                    | 96               |      | 89                |      | 70-130              | 8   |      | 30            |
| Chlorobenzene                                                                                        | 94               |      | 86                |      | 70-130              | 9   |      | 30            |
| Trichlorofluoromethane                                                                               | 85               |      | 78                |      | 70-139              | 9   |      | 30            |
| 1,2-Dichloroethane                                                                                   | 95               |      | 88                |      | 70-130              | 8   |      | 30            |
| 1,1,1-Trichloroethane                                                                                | 90               |      | 84                |      | 70-130              | 7   |      | 30            |
| Bromodichloromethane                                                                                 | 88               |      | 82                |      | 70-130              | 7   |      | 30            |
| trans-1,3-Dichloropropene                                                                            | 105              |      | 96                |      | 70-130              | 9   |      | 30            |
| cis-1,3-Dichloropropene                                                                              | 100              |      | 92                |      | 70-130              | 8   |      | 30            |
| Bromoform                                                                                            | 88               |      | 82                |      | 70-130              | 7   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                            | 112              |      | 101               |      | 70-130              | 10  |      | 30            |
| Benzene                                                                                              | 94               |      | 87                |      | 70-130              | 8   |      | 30            |
| Toluene                                                                                              | 95               |      | 88                |      | 70-130              | 8   |      | 30            |
| Ethylbenzene                                                                                         | 98               |      | 90                |      | 70-130              | 9   |      | 30            |
| Chloromethane                                                                                        | 88               |      | 81                |      | 52-130              | 8   |      | 30            |
| Bromomethane                                                                                         | 97               |      | 86                |      | 57-147              | 12  |      | 30            |
| Vinyl chloride                                                                                       | 86               |      | 79                |      | 67-130              | 8   |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1636060-3 WG1636060-4 |                  |      |                   |      |                     |     |      |               |
| Chloroethane                                                                                         | 91               |      | 85                |      | 50-151              | 7   |      | 30            |
| 1,1-Dichloroethene                                                                                   | 82               |      | 77                |      | 65-135              | 6   |      | 30            |
| trans-1,2-Dichloroethene                                                                             | 86               |      | 79                |      | 70-130              | 8   |      | 30            |
| Trichloroethene                                                                                      | 94               |      | 88                |      | 70-130              | 7   |      | 30            |
| 1,2-Dichlorobenzene                                                                                  | 96               |      | 88                |      | 70-130              | 9   |      | 30            |
| 1,3-Dichlorobenzene                                                                                  | 96               |      | 88                |      | 70-130              | 9   |      | 30            |
| 1,4-Dichlorobenzene                                                                                  | 95               |      | 88                |      | 70-130              | 8   |      | 30            |
| Methyl tert butyl ether                                                                              | 102              |      | 95                |      | 66-130              | 7   |      | 30            |
| p/m-Xylene                                                                                           | 94               |      | 87                |      | 70-130              | 8   |      | 30            |
| o-Xylene                                                                                             | 93               |      | 86                |      | 70-130              | 8   |      | 30            |
| cis-1,2-Dichloroethene                                                                               | 85               |      | 79                |      | 70-130              | 7   |      | 30            |
| Styrene                                                                                              | 92               |      | 85                |      | 70-130              | 8   |      | 30            |
| Dichlorodifluoromethane                                                                              | 76               |      | 70                |      | 30-146              | 8   |      | 30            |
| Acetone                                                                                              | 107              |      | 111               |      | 54-140              | 4   |      | 30            |
| Carbon disulfide                                                                                     | 83               |      | 77                |      | 59-130              | 8   |      | 30            |
| 2-Butanone                                                                                           | 88               |      | 87                |      | 70-130              | 1   |      | 30            |
| 4-Methyl-2-pentanone                                                                                 | 98               |      | 92                |      | 70-130              | 6   |      | 30            |
| 2-Hexanone                                                                                           | 87               |      | 85                |      | 70-130              | 2   |      | 30            |
| Bromochloromethane                                                                                   | 85               |      | 79                |      | 70-130              | 7   |      | 30            |
| 1,2-Dibromoethane                                                                                    | 103              |      | 95                |      | 70-130              | 8   |      | 30            |
| n-Butylbenzene                                                                                       | 112              |      | 102               |      | 70-130              | 9   |      | 30            |
| sec-Butylbenzene                                                                                     | 105              |      | 96                |      | 70-130              | 9   |      | 30            |
| tert-Butylbenzene                                                                                    | 100              |      | 92                |      | 70-130              | 8   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1636060-3 WG1636060-4 |                  |      |                   |      |                     |     |      |               |
| 1,2-Dibromo-3-chloropropane                                                                          | 91               |      | 84                |      | 68-130              | 8   |      | 30            |
| Isopropylbenzene                                                                                     | 102              |      | 94                |      | 70-130              | 8   |      | 30            |
| p-Isopropyltoluene                                                                                   | 105              |      | 96                |      | 70-130              | 9   |      | 30            |
| Naphthalene                                                                                          | 101              |      | 95                |      | 70-130              | 6   |      | 30            |
| n-Propylbenzene                                                                                      | 105              |      | 95                |      | 70-130              | 10  |      | 30            |
| 1,2,3-Trichlorobenzene                                                                               | 100              |      | 92                |      | 70-130              | 8   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                               | 103              |      | 95                |      | 70-130              | 8   |      | 30            |
| 1,3,5-Trimethylbenzene                                                                               | 104              |      | 95                |      | 70-130              | 9   |      | 30            |
| 1,2,4-Trimethylbenzene                                                                               | 105              |      | 95                |      | 70-130              | 10  |      | 30            |
| Methyl Acetate                                                                                       | 83               |      | 79                |      | 51-146              | 5   |      | 30            |
| Cyclohexane                                                                                          | 94               |      | 87                |      | 59-142              | 8   |      | 30            |
| 1,4-Dioxane                                                                                          | 86               |      | 82                |      | 65-136              | 5   |      | 30            |
| Freon-113                                                                                            | 85               |      | 79                |      | 50-139              | 7   |      | 30            |
| Methyl cyclohexane                                                                                   | 99               |      | 91                |      | 70-130              | 8   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 99               |      | 97                |      | 70-130                 |
| Toluene-d8            | 103              |      | 103               |      | 70-130                 |
| 4-Bromofluorobenzene  | 107              |      | 107               |      | 70-130                 |
| Dibromofluoromethane  | 88               |      | 88                |      | 70-130                 |

# SEMIVOLATILES

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-01  
**Client ID:** SB-1  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 12:00  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 20:43  
**Analyst:** MP  
**Percent Solids:** 85%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| 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 | 0.049 | 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  | 0.548 | 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)                            | 0.267  | J         | 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  | 0.548 | 0.314 | 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               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.548 | 0.093 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.548 | 0.077 | 1               |
| PFOA/PFOS, Total                                               | 0.267  | J         | ng/g  | 0.274 | 0.046 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-01**Date Collected:** 04/28/22 12:00**Client ID:** SB-1**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                   | 50         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 53         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 65         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 55         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 56         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 67         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 62         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 31         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 64         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 63         | 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)         | 27         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 13         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 53         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 12         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 36         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 5          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-01  
**Client ID:** SB-1  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 12:00  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 12:14  
**Analyst:** RS  
**Percent Solids:** 85%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 0.548               | 0.107 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 97         |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-01      **RE**  
**Client ID:** SB-1  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 12:00  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 19:13  
**Analyst:** SG  
**Percent Solids:** 85%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 09:07

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.64 | 0.672 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.64 | 0.178 | 1               |

| Surrogate (Extracted Internal Standard)          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------------------------------------|------------|-----------|---------------------|
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)      | 48         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 11         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-02  
**Client ID:** SB-2  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 11:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 16:20  
**Analyst:** ALS  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 150 | 19. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 190 | 21. | 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               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 33. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 32. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 32. | 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               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-02

Date Collected: 04/28/22 11:25

Client ID: SB-2

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 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               |
| 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               |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-02  
**Client ID:** SB-2  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 11:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 190 | 36. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 190 | 57. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 190 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 28  | 8.6 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 79         |           | 25-120              |
| Phenol-d6            | 82         |           | 10-120              |
| Nitrobenzene-d5      | 81         |           | 23-120              |
| 2-Fluorobiphenyl     | 64         |           | 30-120              |
| 2,4,6-Tribromophenol | 69         |           | 10-136              |
| 4-Terphenyl-d14      | 60         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-02  
**Client ID:** SB-2  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 11:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 21:17  
**Analyst:** MP  
**Percent Solids:** 89%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.524 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.524 | 0.048 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.262 | 0.041 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.524 | 0.055 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.262 | 0.047 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | 0.347  | F         | 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  | 0.524 | 0.188 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.524 | 0.143 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.262 | 0.079 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | 0.245  | J         | 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  | 0.524 | 0.301 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.524 | 0.211 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.524 | 0.049 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.524 | 0.160 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.524 | 0.089 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.524 | 0.073 | 1               |
| Perfluorotridecanoic Acid (PFTTrDA)                            | ND     |           | ng/g  | 0.524 | 0.214 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.524 | 0.057 | 1               |
| PFOA/PFOS, Total                                               | 0.245  | J         | ng/g  | 0.262 | 0.044 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-02**Date Collected:** 04/28/22 11:25**Client ID:** SB-2**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 94         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 85         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 89         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 89         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 91         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 95         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 51         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 98         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 93         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 97         |           | 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) | 52         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 90         |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 59         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 83         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 63         |           | 24-159              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-02  
 Client ID: SB-2  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 11:25  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/17/22 12:21  
 Analyst: RS  
 Percent Solids: 89%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.524     | 0.103               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 103        |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-03  
**Client ID:** SB-3 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 16:43  
**Analyst:** ALS  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 19. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 21. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 25. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 33. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 48. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 31. | 1               |
| Fluoranthene                                     | 190    |           | ug/kg | 110 | 21. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 220 | 31. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 200 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 520 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 24. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 27. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 21. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 63. | 1               |
| Butyl benzyl phthalate                           | 60     | J         | ug/kg | 180 | 46. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 62. | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-03  
 Client ID: SB-3 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 10:20  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 38. | 1               |
| Benzo(a)anthracene                               | 340    |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | 600    |           | ug/kg | 140 | 44. | 1               |
| Benzo(b)fluoranthene                             | 730    |           | ug/kg | 110 | 31. | 1               |
| Benzo(k)fluoranthene                             | 260    |           | ug/kg | 110 | 29. | 1               |
| Chrysene                                         | 440    |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 28. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 35. | 1               |
| Benzo(ghi)perylene                               | 240    |           | ug/kg | 140 | 21. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | 57     | J         | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | 79     | J         | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 310    |           | ug/kg | 140 | 25. | 1               |
| Pyrene                                           | 200    |           | ug/kg | 110 | 18. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 410 | 24. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 33. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 75. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 29. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 60. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 390 | 68. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 74. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 870 | 85. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 470 | 87. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 40. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 28. | 1               |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-03  
**Client ID:** SB-3 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 35. | 1               |
| Benzoic Acid                                     | 180    | J         | ug/kg | 590 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 27  | 8.4 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 83         |           | 25-120              |
| Phenol-d6            | 84         |           | 10-120              |
| Nitrobenzene-d5      | 86         |           | 23-120              |
| 2-Fluorobiphenyl     | 61         |           | 30-120              |
| 2,4,6-Tribromophenol | 69         |           | 10-136              |
| 4-Terphenyl-d14      | 50         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-03  
**Client ID:** SB-3 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 21:50  
**Analyst:** MP  
**Percent Solids:** 91%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | 0.025  | J         | ng/g  | 0.501 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.501 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.251 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.501 | 0.053 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | 0.086  | J         | ng/g  | 0.251 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.251 | 0.061 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | 0.151  | J         | ng/g  | 0.251 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.501 | 0.180 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.501 | 0.137 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | 0.247  | J         | ng/g  | 0.251 | 0.075 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | 1.88   |           | ng/g  | 0.251 | 0.130 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | 1.92   |           | ng/g  | 0.251 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.501 | 0.288 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.501 | 0.202 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | 0.638  |           | ng/g  | 0.501 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.501 | 0.153 | 1               |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g  | 0.501 | 0.098 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.501 | 0.085 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | 0.239  | J         | ng/g  | 0.501 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 0.501 | 0.205 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | 0.064  | J         | ng/g  | 0.501 | 0.054 | 1               |
| PFOA/PFOS, Total                                               | 2.03   | J         | ng/g  | 0.251 | 0.042 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-03

Date Collected: 04/28/22 10:20

Client ID: SB-3 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 93         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 88         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 92         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 93         |           | 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)         | 57         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 96         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 96         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 102        |           | 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) | 64         |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 90         |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 104        |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 59         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 87         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 86         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-04  
**Client ID:** SB-3  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 17:07  
**Analyst:** ALS  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 30. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 47. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 110 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 510 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 61. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 45. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 60. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-04

Date Collected: 04/28/22 10:20

Client ID: SB-3

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 110 | 30. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 28. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 110 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 35. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 21. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 25. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 110 | 18. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 74. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 59. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 67. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 72. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 850 | 83. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 85. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 28. | 1               |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-04  
**Client ID:** SB-3  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 580 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 27  | 8.2 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 96         |           | 25-120              |
| Phenol-d6            | 99         |           | 10-120              |
| Nitrobenzene-d5      | 95         |           | 23-120              |
| 2-Fluorobiphenyl     | 80         |           | 30-120              |
| 2,4,6-Tribromophenol | 85         |           | 10-136              |
| 4-Terphenyl-d14      | 78         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-04  
**Client ID:** SB-3  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 22:06  
**Analyst:** MP  
**Percent Solids:** 92%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.495 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.495 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.248 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.495 | 0.052 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.248 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | 0.076  | J         | 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)              | ND     |           | ng/g  | 0.495 | 0.178 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.495 | 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 | 0.066 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.495 | 0.284 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.495 | 0.200 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.495 | 0.046 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.495 | 0.152 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.495 | 0.084 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.495 | 0.069 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 0.495 | 0.202 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.495 | 0.054 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.248 | 0.042 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-04

Date Collected: 04/28/22 10:20

Client ID: SB-3

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                | 54         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 65         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 56         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 57         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 71         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 64         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 36         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 65         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 64         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 65         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 32         |           | 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)                | 60         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 14         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 48         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 14         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-04  
**Client ID:** SB-3  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 12:28  
**Analyst:** RS  
**Percent Solids:** 92%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 0.495               | 0.097 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 99         |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-05  
**Client ID:** SB-4 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 17:31  
**Analyst:** ALS  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 150 | 19. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 21. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 21. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 170 | 25. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 33. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 49. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 37. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 32. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 110 | 21. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 20. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 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 | 180 | 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 | 180 | 23. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 170 | 28. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 150 | 21. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 29. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 64. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 47. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 35. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 63. | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-05  
 Client ID: SB-4 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 09:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 39. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 45. | 1               |
| 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 | 180 | 18. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 23. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 21. | 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 | 180 | 34. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 36. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 77. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 18. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 23. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 35. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 28. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 170 | 30. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 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 | 180 | 28. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 29. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 270 | 29. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-05  
 Client ID: SB-4 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 09:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 36. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 57. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 28  | 8.6 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 92         |           | 25-120              |
| Phenol-d6            | 95         |           | 10-120              |
| Nitrobenzene-d5      | 96         |           | 23-120              |
| 2-Fluorobiphenyl     | 75         |           | 30-120              |
| 2,4,6-Tribromophenol | 76         |           | 10-136              |
| 4-Terphenyl-d14      | 67         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-05  
**Client ID:** SB-4 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 22:23  
**Analyst:** MP  
**Percent Solids:** 89%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | 0.041  | J         | ng/g  | 0.514 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.514 | 0.047 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.257 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.514 | 0.054 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | 0.049  | J         | ng/g  | 0.257 | 0.046 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.257 | 0.062 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | 0.087  | J         | ng/g  | 0.257 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.514 | 0.184 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.514 | 0.140 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.257 | 0.077 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.257 | 0.134 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.257 | 0.069 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.514 | 0.295 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.514 | 0.207 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.514 | 0.048 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.514 | 0.157 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.514 | 0.087 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.514 | 0.072 | 1               |
| Perfluorotridecanoic Acid (PFTTrDA)                            | ND     |           | ng/g  | 0.514 | 0.210 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.514 | 0.056 | 1               |
| PFOA/PFOS, Total                                               | 0.087  | J         | ng/g  | 0.257 | 0.043 | 1               |



Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-05  
 Client ID: SB-4 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 09:35  
 Date Received: 04/29/22  
 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)                                   | 57         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 59         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 66         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 60         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 61         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 70         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 66         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 37         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 67         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 64         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 68         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 36         |           | 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)                | 63         |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 19         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 51         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 19         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-05  
**Client ID:** SB-4 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 12:36  
**Analyst:** RS  
**Percent Solids:** 89%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 0.514               | 0.101 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 100        |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-06  
**Client ID:** SB-4  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 17:55  
**Analyst:** ALS  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 150 | 19. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 21. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 25. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 33. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 49. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 37. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 31. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 110 | 21. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 20. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 220 | 31. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 200 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 520 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 150 | 30. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 24. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 27. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 150 | 21. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 63. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 46. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 35. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 62. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-06  
 Client ID: SB-4  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 09:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 38. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 45. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 110 | 31. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 29. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 28. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 36. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 150 | 22. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 21. | 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 | 180 | 33. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 76. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 23. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 35. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 29. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 60. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 400 | 69. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 75. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 880 | 85. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 480 | 88. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 40. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 28. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 29. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-06

Date Collected: 04/28/22 09:35

Client ID: SB-4

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 35. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 590 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 27  | 8.4 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 86         |           | 25-120              |
| Phenol-d6            | 91         |           | 10-120              |
| Nitrobenzene-d5      | 90         |           | 23-120              |
| 2-Fluorobiphenyl     | 74         |           | 30-120              |
| 2,4,6-Tribromophenol | 72         |           | 10-136              |
| 4-Terphenyl-d14      | 73         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-06  
**Client ID:** SB-4  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 22:40  
**Analyst:** MP  
**Percent Solids:** 91%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.512 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.512 | 0.047 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.256 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.512 | 0.054 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.256 | 0.046 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.256 | 0.062 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.256 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.512 | 0.184 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.512 | 0.140 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.256 | 0.077 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.256 | 0.133 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.256 | 0.069 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.512 | 0.294 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.512 | 0.206 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.512 | 0.048 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.512 | 0.156 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.512 | 0.086 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.512 | 0.072 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 0.512 | 0.209 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.512 | 0.055 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.256 | 0.043 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-06

Date Collected: 04/28/22 09:35

Client ID: SB-4

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 70         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 73         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | <b>73</b>  | Q         | 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)                     | 78         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 76         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 44         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 76         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | <b>75</b>  | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 75         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 48         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | <b>25</b>  | Q         | 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)  | <b>21</b>  | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 63         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 26         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-06  
**Client ID:** SB-4  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 12:43  
**Analyst:** RS  
**Percent Solids:** 91%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.512     | 0.100               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 100        |           | 10-117              |                 |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-07  
**Client ID:** SB-5 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 18:18  
**Analyst:** ALS  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 19. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 21. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 25. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 33. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 48. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 31. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 110 | 21. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 220 | 31. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 200 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 520 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 24. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 27. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 21. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 63. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 46. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 62. | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-07  
 Client ID: SB-5 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 11:55  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 38. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 44. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 110 | 31. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 29. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 28. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 35. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 21. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 21. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 25. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 110 | 18. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 410 | 24. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 33. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 75. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 29. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 60. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 390 | 68. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 74. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 870 | 85. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 470 | 87. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 40. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 28. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-07  
 Client ID: SB-5 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 11:55  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 35. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 590 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 27  | 8.4 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 83         |           | 25-120              |
| Phenol-d6            | 85         |           | 10-120              |
| Nitrobenzene-d5      | 84         |           | 23-120              |
| 2-Fluorobiphenyl     | 69         |           | 30-120              |
| 2,4,6-Tribromophenol | 73         |           | 10-136              |
| 4-Terphenyl-d14      | 70         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-07  
**Client ID:** SB-5 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 22:56  
**Analyst:** MP  
**Percent Solids:** 90%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.491 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.491 | 0.045 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.246 | 0.038 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.491 | 0.052 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.246 | 0.044 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.246 | 0.059 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.246 | 0.041 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.491 | 0.176 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.491 | 0.134 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.246 | 0.074 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | 0.246  |           | 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  | 0.491 | 0.282 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.491 | 0.046 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.491 | 0.150 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.491 | 0.069 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 0.491 | 0.201 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.491 | 0.053 | 1               |
| PFOA/PFOS, Total                                               | 0.246  |           | ng/g  | 0.246 | 0.041 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-07

Date Collected: 04/27/22 11:55

Client ID: SB-5 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 52         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 54         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 61         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 55         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 55         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 66         | 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)         | 33         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 57         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 56         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 55         | 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)                | 50         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 7          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 40         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 10         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-07  
**Client ID:** SB-5 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 12:50  
**Analyst:** RS  
**Percent Solids:** 90%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.491     | 0.096               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 102        |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-07 RE  
 Client ID: SB-5 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 11:55  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/09/22 19:29  
 Analyst: SG  
 Percent Solids: 90%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/09/22 09:07

| Parameter                                                              | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|------------------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab         |            |           |           |                     |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)              | ND         |           | ng/g      | 1.64                | 0.661 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)               | ND         |           | ng/g      | 1.64                | 0.277 | 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)  | 10         |           | Q         | 34-137              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-08  
**Client ID:** SB-5  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 18:42  
**Analyst:** ALS  
**Percent Solids:** 84%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 160 | 20. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 200 | 22. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 120 | 22. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 200 | 19. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 200 | 35. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 200 | 34. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 200 | 34. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 200 | 52. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 200 | 39. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 200 | 34. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 120 | 22. | 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 | 230 | 33. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 210 | 20. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 200 | 29. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 560 | 180 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 160 | 32. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 180 | 25. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 200 | 24. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 180 | 29. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 160 | 22. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 200 | 30. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 200 | 68. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 200 | 49. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 200 | 37. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 200 | 66. | 1               |



Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-08  
 Client ID: SB-5  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 11:55  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 200 | 18. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 200 | 41. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 120 | 22. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 160 | 48. | 1               |
| 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 | 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 | 27. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 120 | 19. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 450 | 25. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 200 | 36. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 200 | 38. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 200 | 37. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 200 | 81. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 200 | 18. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 230 | 24. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 200 | 20. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 200 | 24. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 120 | 37. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 200 | 29. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 200 | 23. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 180 | 31. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 200 | 64. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 420 | 74. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 270 | 80. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 940 | 91. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 510 | 94. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 160 | 43. | 1               |
| Phenol                                           | ND     |           | ug/kg | 200 | 30. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 200 | 30. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 280 | 31. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-08

Date Collected: 04/27/22 11:55

Client ID: SB-5

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 200 | 37. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 630 | 200 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 200 | 60. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 200 | 19. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 29  | 9.0 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 87         |           | 25-120              |
| Phenol-d6            | 90         |           | 10-120              |
| Nitrobenzene-d5      | 89         |           | 23-120              |
| 2-Fluorobiphenyl     | 72         |           | 30-120              |
| 2,4,6-Tribromophenol | 75         |           | 10-136              |
| 4-Terphenyl-d14      | 67         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-08  
**Client ID:** SB-5  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 23:13  
**Analyst:** MP  
**Percent Solids:** 84%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.554 | 0.025 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.554 | 0.051 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.277 | 0.043 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.554 | 0.058 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.277 | 0.050 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.277 | 0.067 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.277 | 0.046 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.554 | 0.199 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.554 | 0.151 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.277 | 0.083 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.277 | 0.144 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.277 | 0.074 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.554 | 0.318 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.554 | 0.052 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.554 | 0.169 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.554 | 0.078 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.277 | 0.046 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-08

Date Collected: 04/27/22 11:55

Client ID: SB-5

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 31         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 31         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 33         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 31         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 31         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 34         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 33         | 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)                                  | 33         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 33         | 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)         | 18         | Q         | 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)                | 29         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 6          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 23         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 5          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-08  
**Client ID:** SB-5  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 12:57  
**Analyst:** RS  
**Percent Solids:** 84%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.554     | 0.108               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 51         |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-08      **RE**  
**Client ID:** SB-5  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 19:46  
**Analyst:** SG  
**Percent Solids:** 84%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 09:07

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 1.86 | 0.748 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 1.86 | 0.314 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.86 | 0.759 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.86 | 0.200 | 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)  | 25         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 68         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 34         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-09  
**Client ID:** SB-6 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 19:05  
**Analyst:** ALS  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 100 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 30. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 47. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 35. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene                                     | 65     | J         | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 500 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 21. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 61. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 44. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 33. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 60. | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-09  
 Client ID: SB-6 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 12:45  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | 64     | J         | ug/kg | 100 | 20. | 1               |
| Benzo(a)pyrene                                   | 100    | J         | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | 120    |           | ug/kg | 100 | 30. | 1               |
| Benzo(k)fluoranthene                             | 37     | J         | ug/kg | 100 | 28. | 1               |
| Chrysene                                         | 65     | J         | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | 52     | J         | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | 82     | J         | ug/kg | 140 | 21. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | 20     | J         | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | 87     | J         | ug/kg | 140 | 24. | 1               |
| Pyrene                                           | 97     | J         | ug/kg | 100 | 18. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 73. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 72. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 850 | 82. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 85. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 28. | 1               |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-09  
**Client ID:** SB-6 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.1 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 88         |           | 25-120              |
| Phenol-d6            | 88         |           | 10-120              |
| Nitrobenzene-d5      | 90         |           | 23-120              |
| 2-Fluorobiphenyl     | 69         |           | 30-120              |
| 2,4,6-Tribromophenol | 72         |           | 10-136              |
| 4-Terphenyl-d14      | 65         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-09  
**Client ID:** SB-6 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 23:29  
**Analyst:** MP  
**Percent Solids:** 92%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | 0.043  | J         | ng/g  | 0.507 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.507 | 0.047 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.254 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.507 | 0.053 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.254 | 0.046 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.254 | 0.061 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | 0.077  | JF        | ng/g  | 0.254 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.507 | 0.182 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.507 | 0.138 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.254 | 0.076 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | 0.304  |           | ng/g  | 0.254 | 0.132 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.254 | 0.068 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.507 | 0.291 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.507 | 0.204 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.507 | 0.048 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.507 | 0.155 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.507 | 0.086 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.507 | 0.071 | 1               |
| Perfluorotridecanoic Acid (PFTTrDA)                            | ND     |           | ng/g  | 0.507 | 0.208 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.507 | 0.055 | 1               |
| PFOA/PFOS, Total                                               | 0.381  | J         | ng/g  | 0.254 | 0.043 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-09

Date Collected: 04/27/22 12:45

Client ID: SB-6 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 56         |           | Q         | 61-135              |     |                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 59         |           |           | 58-150              |     |                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 65         |           | Q         | 74-139              |     |                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 58         |           | Q         | 66-128              |     |                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 58         |           | Q         | 71-129              |     |                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 71         |           | Q         | 78-139              |     |                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 64         |           | Q         | 75-130              |     |                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 42         |           |           | 20-154              |     |                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 66         |           | Q         | 72-140              |     |                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 65         |           | 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)         | 35         |           |           | 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)                | 60         |           | Q         | 61-155              |     |                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 26         |           | Q         | 34-137              |     |                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 50         |           | Q         | 54-150              |     |                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 19         |           | Q         | 24-159              |     |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-09  
**Client ID:** SB-6 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 13:04  
**Analyst:** RS  
**Percent Solids:** 92%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 0.507               | 0.100 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 102        |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-10  
**Client ID:** SB-6  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 19:29  
**Analyst:** ALS  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 160 | 21. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 200 | 23. | 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               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 200 | 36. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 200 | 34. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 200 | 35. | 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 | 210 | 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 | 29. | 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               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-10**Date Collected:** 04/27/22 12:45**Client ID:** SB-6**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 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 | 48. | 1               |
| 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 | 23. | 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 | 450 | 26. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 200 | 36. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 200 | 38. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 200 | 38. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 200 | 82. | 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 | 81. | 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               |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-10  
**Client ID:** SB-6  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 200 | 38. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 640 | 200 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 200 | 61. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 200 | 19. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 30  | 9.2 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 92         |           | 25-120              |
| Phenol-d6            | 94         |           | 10-120              |
| Nitrobenzene-d5      | 95         |           | 23-120              |
| 2-Fluorobiphenyl     | 77         |           | 30-120              |
| 2,4,6-Tribromophenol | 82         |           | 10-136              |
| 4-Terphenyl-d14      | 77         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-10  
**Client ID:** SB-6  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 23:46  
**Analyst:** MP  
**Percent Solids:** 83%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | 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)                           | ND     |           | ng/g  | 0.282 | 0.068 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | 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)                            | 0.227  | 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  | 0.564 | 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)       | ND     |           | 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                                               | 0.227  | J         | ng/g  | 0.282 | 0.047 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-10

Date Collected: 04/27/22 12:45

Client ID: SB-6

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                | 78         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 79         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 77         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 77         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 85         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 83         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 55         |           | 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)                      | 83         |           | 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) | 23         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 79         |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 26         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 69         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 30         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-10  
**Client ID:** SB-6  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 13:12  
**Analyst:** RS  
**Percent Solids:** 83%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 0.564               | 0.110 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 99         |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-11  
**Client ID:** SB-7 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 19:53  
**Analyst:** ALS  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 100 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 30. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 47. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 35. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 500 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 21. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 61. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 44. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 33. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 60. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-11**Date Collected:** 04/26/22 14:35**Client ID:** SB-7 (0-2')**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 100 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 100 | 30. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 21. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 100 | 17. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 72. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 72. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 840 | 82. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 84. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-11  
**Client ID:** SB-7 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.1 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 98         |           | 25-120              |
| Phenol-d6            | 101        |           | 10-120              |
| Nitrobenzene-d5      | 102        |           | 23-120              |
| 2-Fluorobiphenyl     | 80         |           | 30-120              |
| 2,4,6-Tribromophenol | 84         |           | 10-136              |
| 4-Terphenyl-d14      | 82         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-11  
**Client ID:** SB-7 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/08/22 00:19  
**Analyst:** MP  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.479 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.479 | 0.044 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.240 | 0.037 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.479 | 0.050 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.240 | 0.043 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.240 | 0.058 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | 0.095  | JF        | ng/g  | 0.240 | 0.040 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.479 | 0.172 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.479 | 0.131 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.240 | 0.072 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.240 | 0.125 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.240 | 0.064 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.479 | 0.275 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.479 | 0.045 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.479 | 0.147 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.479 | 0.081 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.479 | 0.067 | 1               |
| PFOA/PFOS, Total                                               | 0.095  | J         | ng/g  | 0.240 | 0.040 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-11

Date Collected: 04/26/22 14:35

Client ID: SB-7 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                | 24         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 40         | Q         | 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)                        | 26         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 40         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 29         | 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)                                  | 30         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 40         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 29         | 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) | 1          | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 25         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 2          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 23         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 9          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-11  
**Client ID:** SB-7 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 13:19  
**Analyst:** RS  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.479     | 0.094               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 103        |           | 10-117              |                 |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-11 RE  
**Client ID:** SB-7 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 20:02  
**Analyst:** SG  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 09:07

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.53 | 0.626 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.53 | 0.165 | 1               |

| Surrogate (Extracted Internal Standard)          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------------------------------------|------------|-----------|---------------------|
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)      | 48         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 20         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-12  
 Client ID: SB-7  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 14:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 05/01/22 20:16  
 Analyst: ALS  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 150 | 19. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 21. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 21. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 25. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 33. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 49. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 37. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 32. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 110 | 21. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 20. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 220 | 31. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 200 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 27. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 530 | 170 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 150 | 30. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 24. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 27. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 150 | 21. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 28. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 64. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 46. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 35. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 62. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-12  
 Client ID: SB-7  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 14:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 17. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 39. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 110 | 21. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 45. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 110 | 31. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 29. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 110 | 19. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 28. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 36. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 150 | 22. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 18. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 21. | 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 | 180 | 33. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 35. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 76. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 220 | 22. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 19. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 23. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 35. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 30. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 61. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 400 | 69. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 260 | 75. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 880 | 86. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 480 | 88. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 40. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 28. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 29. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-12

Date Collected: 04/26/22 14:35

Client ID: SB-7

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 35. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 600 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 56. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 28  | 8.5 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 73         |           | 25-120              |
| Phenol-d6            | 76         |           | 10-120              |
| Nitrobenzene-d5      | 68         |           | 23-120              |
| 2-Fluorobiphenyl     | 62         |           | 30-120              |
| 2,4,6-Tribromophenol | 71         |           | 10-136              |
| 4-Terphenyl-d14      | 62         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-12  
**Client ID:** SB-7  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/08/22 00:35  
**Analyst:** MP  
**Percent Solids:** 88%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.513 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.513 | 0.047 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.256 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.513 | 0.054 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.256 | 0.046 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.256 | 0.062 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.256 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.513 | 0.184 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.513 | 0.140 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.256 | 0.077 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.256 | 0.133 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.256 | 0.069 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.513 | 0.294 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.513 | 0.048 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.513 | 0.157 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.513 | 0.072 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.256 | 0.043 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-12**Date Collected:** 04/26/22 14:35**Client ID:** SB-7**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                   | 41         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 41         | 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)                       | 41         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 40         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 41         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 41         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 23         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 41         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 39         | 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)         | 20         |           | 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)                | 31         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 3          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 25         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 4          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-12  
 Client ID: SB-7  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 14:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/17/22 13:33  
 Analyst: RS  
 Percent Solids: 88%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.513     | 0.100               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 99         |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-12      **RE**  
**Client ID:** SB-7  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 20:19  
**Analyst:** SG  
**Percent Solids:** 88%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 09:07

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 1.81 | 0.731 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 1.81 | 0.306 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.81 | 0.742 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.81 | 0.196 | 1               |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 10         | Q         | 31-134              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 11         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 68         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 29         |           | 24-159              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-13  
**Client ID:** SB-8  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 09:40  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/08/22 00:52  
**Analyst:** MP  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.479 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.479 | 0.044 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.240 | 0.037 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.479 | 0.050 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.240 | 0.043 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.240 | 0.058 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.240 | 0.040 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.479 | 0.172 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.479 | 0.131 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.240 | 0.072 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.240 | 0.124 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.240 | 0.064 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.479 | 0.275 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.479 | 0.193 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.479 | 0.045 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.479 | 0.147 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.479 | 0.081 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.479 | 0.067 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.240 | 0.040 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-13**Date Collected:** 04/27/22 09:40**Client ID:** SB-8**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                   | 56         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 55         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 54         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 55         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 53         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 56         | 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)         | 32         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 57         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 52         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 52         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 31         |           | 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)                | 46         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 17         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 35         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 6          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-13  
**Client ID:** SB-8  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 09:40  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 23:40  
**Analyst:** RS  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 15:30

| Parameter                                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|--------------------------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab |        |           |       |      |       |                 |
| Perfluorobutanoic Acid (PFBA)                                                  | ND     |           | ng/l  | 1.88 | 0.384 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                                | 0.452  | J         | ng/l  | 1.88 | 0.372 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                            | ND     |           | ng/l  | 1.88 | 0.224 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                                 | 0.632  | J         | ng/l  | 1.88 | 0.308 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                                | ND     |           | ng/l  | 1.88 | 0.212 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                           | 1.39   | JF        | ng/l  | 1.88 | 0.354 | 1               |
| Perfluorooctanoic Acid (PFOA)                                                  | 0.911  | J         | ng/l  | 1.88 | 0.222 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                              | ND     |           | ng/l  | 1.88 | 1.25  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                          | ND     |           | ng/l  | 1.88 | 0.647 | 1               |
| Perfluorononanoic Acid (PFNA)                                                  | ND     |           | ng/l  | 1.88 | 0.294 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                            | 36.0   |           | ng/l  | 1.88 | 0.474 | 1               |
| Perfluorodecanoic Acid (PFDA)                                                  | ND     |           | ng/l  | 1.88 | 0.286 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                              | ND     |           | ng/l  | 1.88 | 1.14  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                      | ND     |           | ng/l  | 1.88 | 0.610 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                               | ND     |           | ng/l  | 1.88 | 0.245 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                            | ND     |           | ng/l  | 1.88 | 0.922 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                              | ND     |           | ng/l  | 1.88 | 0.546 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                       | ND     |           | ng/l  | 1.88 | 0.756 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                               | ND     |           | ng/l  | 1.88 | 0.350 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                             | ND     |           | ng/l  | 1.88 | 0.308 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                             | ND     |           | ng/l  | 1.88 | 0.233 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-13

Date Collected: 04/27/22 09:40

Client ID: SB-8

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                                                      | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--------------------------------------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 106        |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 128        |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 109        |           | 70-131              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 82         |           | 12-142              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 109        |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 110        |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 110        |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 106        |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 93         |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 102        |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 102        |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 100        |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 118        |           | 10-162              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 86         |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 107        |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 44         |           | 5-112               |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 89         |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 96         |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 93         |           | 22-136              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-13  
**Client ID:** SB-8  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 09:40  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 13:41  
**Analyst:** RS  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 0.479               | 0.094 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 101        |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-13      **RE**  
**Client ID:** SB-8  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 09:40  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 20:36  
**Analyst:** SG  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.82 | 0.745 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.82 | 0.197 | 1               |

| Surrogate (Extracted Internal Standard)          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------------------------------------|------------|-----------|---------------------|
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)      | 80         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 43         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-14  
**Client ID:** SB-9  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 20:40  
**Analyst:** ALS  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 30. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 47. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 36. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 110 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 510 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 61. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 45. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 60. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-14**Date Collected:** 04/27/22 10:55**Client ID:** SB-9**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 110 | 30. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 28. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 110 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 35. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 21. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 25. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 110 | 18. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 74. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 59. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 67. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 72. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 850 | 83. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 85. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 28. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 260 | 28. | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-14**Date Collected:** 04/27/22 10:55**Client ID:** SB-9**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 580 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 27  | 8.2 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 84         |           | 25-120              |
| Phenol-d6            | 87         |           | 10-120              |
| Nitrobenzene-d5      | 87         |           | 23-120              |
| 2-Fluorobiphenyl     | 71         |           | 30-120              |
| 2,4,6-Tribromophenol | 71         |           | 10-136              |
| 4-Terphenyl-d14      | 68         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-14  
**Client ID:** SB-9  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/08/22 01:09  
**Analyst:** MP  
**Percent Solids:** 93%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.479 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.479 | 0.044 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.239 | 0.037 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.479 | 0.050 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.239 | 0.043 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.239 | 0.058 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.239 | 0.040 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.479 | 0.172 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.479 | 0.131 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.239 | 0.072 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.239 | 0.124 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.239 | 0.064 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.479 | 0.275 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.479 | 0.045 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.479 | 0.146 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.479 | 0.067 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.239 | 0.040 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-14**Date Collected:** 04/27/22 10:55**Client ID:** SB-9**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                   | 54         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 54         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 55         | Q         | 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)                     | 56         | 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)         | 30         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 55         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 52         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 53         | 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)                | 45         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 7          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 35         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 8          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-14  
**Client ID:** SB-9  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 13:48  
**Analyst:** RS  
**Percent Solids:** 93%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 0.479               | 0.094 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 99         |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-14      **RE**  
**Client ID:** SB-9  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 20:52  
**Analyst:** SG  
**Percent Solids:** 93%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 1.44 | 0.582 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 1.44 | 0.244 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.44 | 0.590 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.44 | 0.156 | 1               |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 11         | Q         | 31-134              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 14         | 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 AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-15  
**Client ID:** SB-10  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/08/22 01:25  
**Analyst:** MP  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| 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)                                 | 0.067  | J         | 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)              | ND     |           | ng/g  | 0.496 | 0.178 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.496 | 0.136 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.248 | 0.075 | 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 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.496 | 0.152 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.496 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTTrDA)                            | ND     |           | ng/g  | 0.496 | 0.203 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.496 | 0.054 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.248 | 0.042 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-15

Date Collected: 04/27/22 11:05

Client ID: SB-10

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 52         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 52         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 55         | Q         | 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)                     | 58         | 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)         | 28         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 55         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 56         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 53         | 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) | 3          | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 44         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 3          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 37         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 13         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-15  
**Client ID:** SB-10  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 13:55  
**Analyst:** RS  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| 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)                      |        |           | 103        |           | 10-117              |                 |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-15 RE  
 Client ID: SB-10  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 11:05  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/09/22 21:09  
 Analyst: SG  
 Percent Solids: 95%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/09/22 10:20

| Parameter                                                              | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|------------------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab         |            |           |           |                     |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)              | ND         |           | ng/g      | 1.77                | 0.713 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)               | ND         |           | ng/g      | 1.77                | 0.299 | 1               |
| Surrogate (Extracted Internal Standard)                                | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 10         |           | Q         | 31-134              |       |                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 14         |           | Q         | 34-137              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-16  
**Client ID:** SB-11  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/08/22 01:42  
**Analyst:** MP  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.467 | 0.021 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.467 | 0.043 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.233 | 0.036 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.467 | 0.049 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.233 | 0.042 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.233 | 0.057 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.233 | 0.039 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.467 | 0.168 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.467 | 0.127 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.233 | 0.070 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.233 | 0.121 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.233 | 0.063 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.467 | 0.268 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.467 | 0.188 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.467 | 0.044 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.467 | 0.143 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.467 | 0.079 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.467 | 0.065 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 0.467 | 0.191 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.467 | 0.050 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.233 | 0.039 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-16

Date Collected: 04/27/22 11:35

Client ID: SB-11

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 67         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 68         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 65         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 67         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 66         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 70         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 69         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 41         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 68         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 62         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 65         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 42         |           | 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)                | 59         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 19         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 45         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 11         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-16  
**Client ID:** SB-11  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 14:02  
**Analyst:** RS  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.467     | 0.092               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 99         |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-17  
**Client ID:** SB-12  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 15:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/08/22 01:58  
**Analyst:** MP  
**Percent Solids:** 89%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.510 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.510 | 0.047 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.255 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.510 | 0.054 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.255 | 0.046 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.255 | 0.062 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | 0.061  | J         | ng/g  | 0.255 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.510 | 0.183 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.510 | 0.139 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.255 | 0.077 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.255 | 0.133 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.255 | 0.068 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.510 | 0.293 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.510 | 0.206 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.510 | 0.048 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.510 | 0.156 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.510 | 0.086 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.510 | 0.071 | 1               |
| PFOA/PFOS, Total                                               | 0.061  | J         | ng/g  | 0.255 | 0.043 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-17**Date Collected:** 04/26/22 15:35**Client ID:** SB-12**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                   | 64         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 64         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 62         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 63         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 63         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 64         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 66         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 43         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 65         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 61         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 62         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 37         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 28         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 53         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 20         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 42         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 9          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-17  
 Client ID: SB-12  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 15:35  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/17/22 14:09  
 Analyst: RS  
 Percent Solids: 89%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.510     | 0.100               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 100        |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-17      **RE**  
**Client ID:** SB-12  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 15:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 21:25  
**Analyst:** SG  
**Percent Solids:** 89%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.55 | 0.633 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.55 | 0.167 | 1               |

| Surrogate (Extracted Internal Standard)          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------------------------------------|------------|-----------|---------------------|
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)      | 81         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 41         |           | 24-159              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-18  
**Client ID:** SB-13  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 09:50  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/08/22 02:15  
**Analyst:** MP  
**Percent Solids:** 96%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.478 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.478 | 0.044 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.239 | 0.037 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.478 | 0.050 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.239 | 0.043 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.239 | 0.058 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | 0.051  | J         | ng/g  | 0.239 | 0.040 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.478 | 0.172 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.478 | 0.130 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.239 | 0.072 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.239 | 0.124 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.239 | 0.064 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.478 | 0.274 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.478 | 0.045 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.478 | 0.146 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.478 | 0.067 | 1               |
| PFOA/PFOS, Total                                               | 0.051  | J         | ng/g  | 0.239 | 0.040 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-18

Date Collected: 04/27/22 09:50

Client ID: SB-13

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 57         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 57         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 54         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 56         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 55         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 56         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 57         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 33         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 56         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 52         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 54         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 30         |           | 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)                | 45         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 7          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 38         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 7          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-18  
**Client ID:** SB-13  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 09:50  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 14:17  
**Analyst:** RS  
**Percent Solids:** 96%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 0.478               | 0.094 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 98         |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-18 RE  
 Client ID: SB-13  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 09:50  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/09/22 21:42  
 Analyst: SG  
 Percent Solids: 96%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 1.45 | 0.586 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 1.45 | 0.246 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.45 | 0.595 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.45 | 0.157 | 1               |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 14         | Q         | 31-134              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 15         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 72         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 31         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-19  
**Client ID:** SB-14  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 21:04  
**Analyst:** ALS  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 170 | 20. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 100 | 19. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 31. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 170 | 46. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 35. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 30. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 170 | 18. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 190 | 17. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 170 | 25. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 500 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 22. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 170 | 21. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 170 | 60. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 170 | 44. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 170 | 33. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 170 | 59. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-19**Date Collected:** 04/27/22 10:15**Client ID:** SB-14**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**Field Prep:** Not Specified**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 36. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 100 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 42. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 20. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 170 | 17. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 100 | 17. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 400 | 22. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 72. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 20. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 57. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 65. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 71. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 830 | 81. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 450 | 83. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol                                           | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-19  
**Client ID:** SB-14  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 560 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 53. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.0 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 92         |           | 25-120              |
| Phenol-d6            | 95         |           | 10-120              |
| Nitrobenzene-d5      | 96         |           | 23-120              |
| 2-Fluorobiphenyl     | 76         |           | 30-120              |
| 2,4,6-Tribromophenol | 77         |           | 10-136              |
| 4-Terphenyl-d14      | 71         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-19  
**Client ID:** SB-14  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/08/22 02:31  
**Analyst:** MP  
**Percent Solids:** 93%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.508 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.508 | 0.047 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.254 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.508 | 0.053 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.254 | 0.046 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.254 | 0.062 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.254 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.508 | 0.182 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.508 | 0.139 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.254 | 0.076 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.254 | 0.132 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.254 | 0.068 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.508 | 0.292 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.508 | 0.205 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.508 | 0.048 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.508 | 0.156 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.508 | 0.086 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.508 | 0.071 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 0.508 | 0.208 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.508 | 0.055 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.254 | 0.043 | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-19**Date Collected:** 04/27/22 10:15**Client ID:** SB-14**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                   | 70         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 69         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 65         | 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)                        | 67         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 65         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 71         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 39         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 70         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 64         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 68         | 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) | 17         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 57         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 12         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 50         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 13         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-19  
 Client ID: SB-14  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 10:15  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/17/22 14:24  
 Analyst: RS  
 Percent Solids: 93%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.508     | 0.100               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 97         |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-20  
**Client ID:** SB-15  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/08/22 02:48  
**Analyst:** MP  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| 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 | 0.048 | 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 | 0.063 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.258 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.516 | 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)      | ND     |           | 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               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.516 | 0.087 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.516 | 0.072 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 0.516 | 0.211 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.516 | 0.056 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.258 | 0.043 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-20

Date Collected: 04/27/22 11:15

Client ID: SB-15

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 64         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 63         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 62         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 62         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 62         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 66         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 65         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 36         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 63         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 60         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 60         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 36         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 21         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 53         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 21         | 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 AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-20  
**Client ID:** SB-15  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 14:31  
**Analyst:** RS  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.516     | 0.101               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 102        |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-21  
**Client ID:** SB-16  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:00  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 22:15  
**Analyst:** SG  
**Percent Solids:** 92%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | 0.034  | J         | ng/g  | 0.485 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.485 | 0.045 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.242 | 0.038 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.485 | 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  | 0.485 | 0.174 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.485 | 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  | 0.485 | 0.278 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.485 | 0.045 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.485 | 0.148 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.485 | 0.068 | 1               |
| Perfluorotridecanoic Acid (PFTTrDA)                            | ND     |           | ng/g  | 0.485 | 0.198 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | 0.080  | JF        | ng/g  | 0.485 | 0.052 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.242 | 0.041 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-21**Date Collected:** 04/27/22 10:00**Client ID:** SB-16**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                | 67         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 65         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 62         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 64         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 68         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 66         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 45         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 65         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 65         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 60         | 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) | 9          | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 57         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 6          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 48         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 10         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-21  
**Client ID:** SB-16  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:00  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 15:07  
**Analyst:** RS  
**Percent Solids:** 92%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.485     | 0.095               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 106        |           | 10-117              |                 |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-21 RE  
 Client ID: SB-16  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 10:00  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/11/22 17:52  
 Analyst: RS  
 Percent Solids: 92%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/10/22 11:10

| Parameter                                                              | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|------------------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab         |            |           |           |                     |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)              | ND         |           | ng/g      | 1.64                | 0.662 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)               | ND         |           | ng/g      | 1.64                | 0.277 | 1               |
| Surrogate (Extracted Internal Standard)                                | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 21         |           | Q         | 31-134              |       |                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 26         |           | Q         | 34-137              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-22  
**Client ID:** SB-17  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 22:48  
**Analyst:** SG  
**Percent Solids:** 96%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.485 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.485 | 0.045 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.242 | 0.038 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.485 | 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  | 0.485 | 0.174 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.485 | 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  | 0.485 | 0.278 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.485 | 0.045 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.485 | 0.148 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.485 | 0.068 | 1               |
| Perfluorotridecanoic Acid (PFTTrDA)                            | ND     |           | ng/g  | 0.485 | 0.198 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.485 | 0.052 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.242 | 0.041 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-22

Date Collected: 04/27/22 10:05

Client ID: SB-17

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 57         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 60         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 59         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 57         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 59         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 60         | 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)         | 36         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 60         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 54         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 57         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 37         |           | 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)                | 53         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 4          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 47         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 16         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-22  
**Client ID:** SB-17  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 15:15  
**Analyst:** RS  
**Percent Solids:** 96%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 0.485               | 0.095 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 107        |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-22 RE  
 Client ID: SB-17  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 10:05  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/11/22 18:08  
 Analyst: RS  
 Percent Solids: 96%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/10/22 11:10

| Parameter                                                              | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|------------------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab         |            |           |           |                     |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)              | ND         |           | ng/g      | 1.58                | 0.638 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)               | ND         |           | ng/g      | 1.58                | 0.268 | 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)  | 33         |           | Q         | 34-137              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-23  
**Client ID:** SB-18  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 23:21  
**Analyst:** SG  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.537 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.537 | 0.049 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.268 | 0.042 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.537 | 0.056 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.268 | 0.048 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.268 | 0.065 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.268 | 0.045 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.537 | 0.193 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.537 | 0.147 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.268 | 0.081 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.268 | 0.140 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.268 | 0.072 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.537 | 0.308 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.537 | 0.050 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.537 | 0.164 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.537 | 0.075 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.268 | 0.045 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-23**Date Collected:** 04/27/22 11:25**Client ID:** SB-18**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                   | 56         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 60         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 64         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 57         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 56         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 63         | 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)         | 41         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 58         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 57         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 53         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 34         |           | 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)                | 52         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 7          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 44         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 9          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-23  
**Client ID:** SB-18  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 15:22  
**Analyst:** RS  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.537     | 0.105               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 107        |           | 10-117              |                 |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-23      **RE**  
**Client ID:** SB-18  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 18:25  
**Analyst:** RS  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 11:10

| 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 | 0.878 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 2.18 | 0.368 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 2.18 | 0.891 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 2.18 | 0.235 | 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)  | 42         |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 91         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 72         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-24  
**Client ID:** SB-19  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 15:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 23:38  
**Analyst:** SG  
**Percent Solids:** 84%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.568 | 0.026 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.568 | 0.052 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.284 | 0.044 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.568 | 0.060 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.284 | 0.051 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.284 | 0.069 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.284 | 0.048 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.568 | 0.204 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.568 | 0.155 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.284 | 0.085 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.284 | 0.148 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.284 | 0.076 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.568 | 0.326 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.568 | 0.229 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.568 | 0.053 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.568 | 0.174 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.568 | 0.096 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.568 | 0.080 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 0.568 | 0.232 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.568 | 0.061 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.284 | 0.048 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-24

Date Collected: 04/26/22 15:05

Client ID: SB-19

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                | 90         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 84         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 84         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 85         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 87         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 85         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 57         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 86         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 80         |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 82         |           | 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) | 30         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 81         |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 25         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 65         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 12         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-24  
**Client ID:** SB-19  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 15:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/19/22 15:03  
**Analyst:** RS  
**Percent Solids:** 84%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.568     | 0.111               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 86         |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-25 RE

Date Collected: 04/26/22 15:25

Client ID: SB-20

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: ALPHA 23528

Analytical Method: 134,LCMSMS-ID

Extraction Date: 05/10/22 11:10

Analytical Date: 05/11/22 18:42

Analyst: RS

Percent Solids: 95%

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 1.87  | 0.085 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 1.87  | 0.172 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.936 | 0.146 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 1.87  | 0.197 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.936 | 0.169 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.936 | 0.227 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.936 | 0.157 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 1.87  | 0.672 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 1.87  | 0.511 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.936 | 0.281 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.936 | 0.487 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.936 | 0.251 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 1.87  | 1.08  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 1.87  | 0.755 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 1.87  | 0.175 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 1.87  | 0.573 | 1               |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g  | 1.87  | 0.367 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 1.87  | 0.316 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 1.87  | 0.262 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.87  | 0.766 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.87  | 0.202 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.936 | 0.157 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-25 RE

Date Collected: 04/26/22 15:25

Client ID: SB-20

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 22         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 22         | 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)                       | 22         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 21         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 26         | 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)         | 15         | Q         | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 21         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 24         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 18         | 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) | 8          | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 19         | Q         | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 47         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 9          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 15         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 8          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-26  
**Client ID:** SB-21 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 21:28  
**Analyst:** ALS  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 170 | 20. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 100 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 31. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 170 | 46. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 35. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 30. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 170 | 19. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 170 | 26. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 500 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 170 | 21. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 170 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 170 | 60. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 170 | 44. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 170 | 33. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 170 | 59. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-26  
 Client ID: SB-21 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 14:05  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 37. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 100 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 20. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 170 | 17. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 100 | 17. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 72. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 71. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 840 | 81. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 450 | 84. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol                                           | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-26  
 Client ID: SB-21 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 14:05  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 53. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.0 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 93         |           | 25-120              |
| Phenol-d6            | 97         |           | 10-120              |
| Nitrobenzene-d5      | 99         |           | 23-120              |
| 2-Fluorobiphenyl     | 78         |           | 30-120              |
| 2,4,6-Tribromophenol | 82         |           | 10-136              |
| 4-Terphenyl-d14      | 78         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-26  
**Client ID:** SB-21 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 00:11  
**Analyst:** SG  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | 0.081  | J         | 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               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.500 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.500 | 0.153 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.500 | 0.070 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.250 | 0.042 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-26

Date Collected: 04/26/22 14:05

Client ID: SB-21 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 21         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 24         | 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)                       | 23         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 26         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 38         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 27         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 17         | Q         | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 30         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 36         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 29         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 15         | Q         | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 0          | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 24         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 1          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 22         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 5          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-26  
**Client ID:** SB-21 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/20/22 12:09  
**Analyst:** RS  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 11:10

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 1.92                | 0.376 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 84         |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-26 RE  
**Client ID:** SB-21 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 18:58  
**Analyst:** RS  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 11:10

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 1.92 | 0.324 | 1               |
| Perfluorotridecanoic Acid (PFTTrDA)                            | ND     |           | ng/g  | 1.92 | 0.784 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.92 | 0.207 | 1               |

| Surrogate (Extracted Internal Standard)                               | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------------------------------------------------------|------------|-----------|---------------------|
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 3          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                           | 64         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                      | 45         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-27  
**Client ID:** SB-21  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 21:51  
**Analyst:** ALS  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 170 | 20. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 100 | 19. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 150 | 23. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 31. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 170 | 30. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 170 | 46. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 34. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 170 | 29. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 170 | 18. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 210 | 29. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 180 | 17. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 170 | 25. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 490 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 150 | 22. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 170 | 21. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 150 | 25. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 170 | 26. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 170 | 59. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 170 | 43. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 170 | 32. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 170 | 58. | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-27  
 Client ID: SB-21  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 14:05  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 170 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 170 | 36. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 100 | 19. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 42. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 27. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 26. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 20. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 170 | 17. | 1               |
| Phenanthrene                                     | 38     | J         | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 100 | 17. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 390 | 22. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 170 | 31. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 170 | 33. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 170 | 32. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 170 | 71. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 170 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 170 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 170 | 21. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 32. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 170 | 20. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 150 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 170 | 57. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 370 | 65. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 70. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 820 | 80. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 450 | 82. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol                                           | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 170 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-27

Date Collected: 04/26/22 14:05

Client ID: SB-21

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 170 | 33. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 560 | 170 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 170 | 52. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 170 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 7.9 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 92         |           | 25-120              |
| Phenol-d6            | 96         |           | 10-120              |
| Nitrobenzene-d5      | 96         |           | 23-120              |
| 2-Fluorobiphenyl     | 79         |           | 30-120              |
| 2,4,6-Tribromophenol | 82         |           | 10-136              |
| 4-Terphenyl-d14      | 76         |           | 18-120              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-27  
**Client ID:** SB-21  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 00:28  
**Analyst:** SG  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.464 | 0.021 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.464 | 0.043 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.232 | 0.036 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.464 | 0.049 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.232 | 0.042 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.232 | 0.056 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.232 | 0.039 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.464 | 0.167 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.464 | 0.127 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.232 | 0.070 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.232 | 0.121 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.232 | 0.062 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.464 | 0.266 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.464 | 0.043 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.464 | 0.142 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.464 | 0.065 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.232 | 0.039 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-27

Date Collected: 04/26/22 14:05

Client ID: SB-21

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 50         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 53         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 56         | 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)                        | 50         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 58         | 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)         | 36         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 57         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 56         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 48         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 44         |           | 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)                | 46         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 3          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 38         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 9          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-27  
**Client ID:** SB-21  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 15:31  
**Analyst:** RS  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.464     | 0.091               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 100        |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-27      **RE**  
**Client ID:** SB-21  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 19:31  
**Analyst:** RS  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 11:10

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 1.62 | 0.652 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 1.62 | 0.273 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.62 | 0.662 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.62 | 0.175 | 1               |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 18         | Q         | 31-134              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 22         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 72         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 49         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-28  
**Client ID:** SB-22  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 13:50  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 00:44  
**Analyst:** SG  
**Percent Solids:** 91%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.509 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.509 | 0.047 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.254 | 0.040 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.509 | 0.053 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.254 | 0.046 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.254 | 0.062 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.254 | 0.043 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.509 | 0.183 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.509 | 0.139 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.254 | 0.076 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.254 | 0.132 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.254 | 0.068 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.509 | 0.292 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.509 | 0.048 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.509 | 0.156 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.509 | 0.071 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.254 | 0.043 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-28

Date Collected: 04/26/22 13:50

Client ID: SB-22

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 61         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 65         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 66         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 62         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 63         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 65         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 64         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 44         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 63         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 60         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 57         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 34         |           | 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)                | 58         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 7          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 43         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 8          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-28  
**Client ID:** SB-22  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 13:50  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 15:38  
**Analyst:** RS  
**Percent Solids:** 91%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.509     | 0.100               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 109        |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-28      **RE**  
**Client ID:** SB-22  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 13:50  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 19:48  
**Analyst:** RS  
**Percent Solids:** 91%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 11:10

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 1.73 | 0.697 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 1.73 | 0.292 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.73 | 0.708 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.73 | 0.187 | 1               |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 23         | Q         | 31-134              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 26         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 87         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 62         |           | 24-159              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-29  
**Client ID:** SB-23  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 13:30  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 01:01  
**Analyst:** SG  
**Percent Solids:** 85%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.529 | 0.024 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.529 | 0.049 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.264 | 0.041 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.529 | 0.056 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.264 | 0.048 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.264 | 0.064 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.264 | 0.044 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.529 | 0.190 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.529 | 0.144 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.264 | 0.079 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.264 | 0.137 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.264 | 0.071 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.529 | 0.304 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.529 | 0.213 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.529 | 0.050 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.529 | 0.162 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.529 | 0.074 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 0.529 | 0.216 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.529 | 0.057 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.264 | 0.044 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-29

Date Collected: 04/26/22 13:30

Client ID: SB-23

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 61         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 63         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 59         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 58         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 58         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 60         | 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)         | 40         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 58         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 57         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 56         | 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) | 14         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 52         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 9          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 42         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 10         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-29  
**Client ID:** SB-23  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 13:30  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 15:45  
**Analyst:** RS  
**Percent Solids:** 85%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.529     | 0.104               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 110        |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-29      **RE**  
**Client ID:** SB-23  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 13:30  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 20:04  
**Analyst:** RS  
**Percent Solids:** 85%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 11:10

| Parameter                                                             | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|-----------------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab        |            |           |           |                     |       |                 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)              | ND         |           | ng/g      | 1.80                | 0.304 | 1               |
| Surrogate (Extracted Internal Standard)                               | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 38         |           |           | 34-137              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-30  
**Client ID:** SB-24  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 12:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 01:17  
**Analyst:** SG  
**Percent Solids:** 89%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.502 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.502 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.251 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.502 | 0.053 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.251 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.251 | 0.061 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.251 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.502 | 0.180 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.502 | 0.137 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.251 | 0.075 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.251 | 0.130 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.251 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.502 | 0.288 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.502 | 0.202 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.502 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.502 | 0.153 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.502 | 0.070 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.251 | 0.042 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-30**Date Collected:** 04/26/22 12:25**Client ID:** SB-24**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                   | 60         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 63         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 58         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 58         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 59         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 58         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 61         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 40         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 61         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 52         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 57         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 34         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 13         | 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)  | 9          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 38         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 5          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-30  
**Client ID:** SB-24  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 12:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/12/22 00:13  
**Analyst:** RS  
**Percent Solids:** 89%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 15:30

| Parameter                                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|--------------------------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab |        |           |       |      |       |                 |
| Perfluorobutanoic Acid (PFBA)                                                  | ND     |           | ng/l  | 1.97 | 0.402 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                                | ND     |           | ng/l  | 1.97 | 0.390 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                                            | ND     |           | ng/l  | 1.97 | 0.234 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                                 | 0.410  | J         | ng/l  | 1.97 | 0.323 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                                | ND     |           | ng/l  | 1.97 | 0.222 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                                           | ND     |           | ng/l  | 1.97 | 0.370 | 1               |
| Perfluorooctanoic Acid (PFOA)                                                  | ND     |           | ng/l  | 1.97 | 0.232 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                              | ND     |           | ng/l  | 1.97 | 1.31  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                                          | ND     |           | ng/l  | 1.97 | 0.678 | 1               |
| Perfluorononanoic Acid (PFNA)                                                  | ND     |           | ng/l  | 1.97 | 0.307 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                                            | 1.84   | J         | ng/l  | 1.97 | 0.496 | 1               |
| Perfluorodecanoic Acid (PFDA)                                                  | ND     |           | ng/l  | 1.97 | 0.299 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                              | 3.02   |           | ng/l  | 1.97 | 1.19  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                      | ND     |           | ng/l  | 1.97 | 0.638 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                                               | ND     |           | ng/l  | 1.97 | 0.256 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                                            | ND     |           | ng/l  | 1.97 | 0.965 | 1               |
| Perfluorooctanesulfonamide (FOSA)                                              | ND     |           | ng/l  | 1.97 | 0.571 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                       | ND     |           | ng/l  | 1.97 | 0.792 | 1               |
| Perfluorododecanoic Acid (PFDoA)                                               | ND     |           | ng/l  | 1.97 | 0.366 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                                             | ND     |           | ng/l  | 1.97 | 0.322 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                                             | ND     |           | ng/l  | 1.97 | 0.244 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-30

Date Collected: 04/26/22 12:25

Client ID: SB-24

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                                                      | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--------------------------------------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 106        |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 127        |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 114        |           | 70-131              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 91         |           | 12-142              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 107        |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 111        |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 115        |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 103        |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 99         |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 105        |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 110        |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 104        |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 111        |           | 10-162              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 91         |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 107        |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 21         |           | 5-112               |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 104        |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 100        |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 96         |           | 22-136              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-30  
 Client ID: SB-24  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 12:25  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/17/22 15:53  
 Analyst: RS  
 Percent Solids: 89%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/09/22 10:20

| Parameter                                                      | Result | Qualifier | Units      | RL        | MDL                 | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|------------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |            |           |                     |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g       | 0.502     | 0.098               | 1               |
| Surrogate (Extracted Internal Standard)                        |        |           | % Recovery | Qualifier | Acceptance Criteria |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      |        |           | 106        |           | 10-117              |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-30      **RE**  
**Client ID:** SB-24  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 12:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 20:21  
**Analyst:** RS  
**Percent Solids:** 89%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 11:10

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 1.84 | 0.740 | 1               |
| Perfluorotridecanoic Acid (PFTTrDA)                            | ND     |           | ng/g  | 1.84 | 0.751 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.84 | 0.198 | 1               |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 46         |           | 31-134              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 89         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 66         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-31  
**Client ID:** SB-25 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 22:15  
**Analyst:** ALS  
**Percent Solids:** 94%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 100 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 30. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 30. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 46. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 35. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 100 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 500 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 28. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 21. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 61. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 44. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 33. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 60. | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-31  
 Client ID: SB-25 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 11:15  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 100 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 100 | 29. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 100 | 28. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 100 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 100 | 34. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 21. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 100 | 21. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 100 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 24. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 100 | 17. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 72. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 16. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 100 | 33. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 240 | 71. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 840 | 82. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 84. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 38. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 27. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-31  
 Client ID: SB-25 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 11:15  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.0 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 82         |           | 25-120              |
| Phenol-d6            | 84         |           | 10-120              |
| Nitrobenzene-d5      | 85         |           | 23-120              |
| 2-Fluorobiphenyl     | 66         |           | 30-120              |
| 2,4,6-Tribromophenol | 68         |           | 10-136              |
| 4-Terphenyl-d14      | 66         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-31  
**Client ID:** SB-25 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 06:53  
**Analyst:** HT  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.489 | 0.022 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.489 | 0.045 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.244 | 0.038 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.489 | 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)              | ND     |           | ng/g  | 0.489 | 0.176 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.489 | 0.134 | 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               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.489 | 0.046 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.489 | 0.150 | 1               |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g  | 0.489 | 0.096 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.489 | 0.069 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.244 | 0.041 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-31

Date Collected: 04/26/22 11:15

Client ID: SB-25 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 19         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 20         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 28         | 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)                        | 20         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 27         | 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)         | 11         | Q         | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 19         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 24         | 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)         | 8          | Q         | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 0          | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 19         | Q         | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 47         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 0          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 14         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 3          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-31 RE  
**Client ID:** SB-25 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 22:33  
**Analyst:** SG  
**Percent Solids:** 94%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/11/22 08:47

| 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  | 1.85 | 1.06  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 1.85 | 0.747 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 1.85 | 0.313 | 1               |
| Perfluorotridecanoic Acid (PFTTrDA)                            | ND     |           | ng/g  | 1.85 | 0.758 | 1               |
| Perfluorotetradecanoic Acid (PFTTA)                            | ND     |           | ng/g  | 1.85 | 0.200 | 1               |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 22         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 3          | Q         | 31-134              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 3          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 19         | Q         | 24-159              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-32  
**Client ID:** SB-25  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 22:39  
**Analyst:** ALS  
**Percent Solids:** 81%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 160 | 21. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 200 | 23. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 120 | 23. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 180 | 28. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 200 | 20. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 200 | 37. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 200 | 35. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 200 | 36. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 200 | 54. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 200 | 41. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 200 | 35. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 120 | 23. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 200 | 22. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 200 | 31. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 240 | 35. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 220 | 20. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 200 | 30. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 580 | 180 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 160 | 33. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 180 | 26. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 200 | 25. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 180 | 30. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 160 | 23. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 200 | 32. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 200 | 71. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 200 | 52. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 200 | 39. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 200 | 70. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-32

Date Collected: 04/26/22 11:15

Client ID: SB-25

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 200 | 19. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 200 | 43. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 120 | 23. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 160 | 50. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 120 | 34. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120 | 33. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 120 | 21. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 160 | 32. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120 | 40. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 160 | 24. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 200 | 20. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 120 | 25. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120 | 24. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 160 | 28. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 120 | 20. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 470 | 26. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 200 | 37. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 200 | 39. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 200 | 38. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 200 | 85. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 200 | 19. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 240 | 25. | 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 | 39. | 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 | 33. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 200 | 67. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 440 | 77. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 290 | 83. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 980 | 95. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 530 | 98. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 160 | 45. | 1               |
| Phenol                                           | ND     |           | ug/kg | 200 | 31. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 200 | 32. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 290 | 32. | 1               |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-32  
**Client ID:** SB-25  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 200 | 39. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 660 | 210 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 200 | 62. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 200 | 20. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 31  | 9.4 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 84         |           | 25-120              |
| Phenol-d6            | 86         |           | 10-120              |
| Nitrobenzene-d5      | 82         |           | 23-120              |
| 2-Fluorobiphenyl     | 69         |           | 30-120              |
| 2,4,6-Tribromophenol | 70         |           | 10-136              |
| 4-Terphenyl-d14      | 64         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-32  
**Client ID:** SB-25  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 07:10  
**Analyst:** HT  
**Percent Solids:** 81%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| 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  | 0.290 | 0.045 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.579 | 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  | 0.579 | 0.208 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.579 | 0.158 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.290 | 0.087 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.290 | 0.150 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.290 | 0.078 | 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               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.290 | 0.049 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-32

Date Collected: 04/26/22 11:15

Client ID: SB-25

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                | 18         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 19         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 17         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 17         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 18         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 17         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 10         | Q         | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 15         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 16         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 13         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 6          | Q         | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 1          | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 12         | Q         | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 44         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 1          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 8          | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 1          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-32      **RE**  
**Client ID:** SB-25  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 22:49  
**Analyst:** SG  
**Percent Solids:** 81%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/11/22 08:47

| 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  | 2.23 | 1.28  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 2.23 | 0.900 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 2.23 | 0.377 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 2.23 | 0.312 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 2.23 | 0.913 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 2.23 | 0.241 | 1               |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 28         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 3          | Q         | 31-134              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 4          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 48         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 20         | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-33  
**Client ID:** SB-26  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 07:26  
**Analyst:** HT  
**Percent Solids:** 95%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.502 | 0.023 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.502 | 0.046 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.251 | 0.039 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.502 | 0.053 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.251 | 0.045 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.251 | 0.061 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.251 | 0.042 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.502 | 0.180 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.502 | 0.137 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.251 | 0.075 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.251 | 0.130 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.251 | 0.067 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.502 | 0.288 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.502 | 0.202 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.502 | 0.047 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.502 | 0.153 | 1               |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g  | 0.502 | 0.098 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 0.502 | 0.085 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.502 | 0.070 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 0.502 | 0.205 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 0.502 | 0.054 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.251 | 0.042 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-33**Date Collected:** 04/26/22 11:35**Client ID:** SB-26**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                | 83         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 78         |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 78         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 80         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 82         |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 79         |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 58         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 87         |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 76         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 78         |           | 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) | 25         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 71         |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 55         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 19         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 66         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 27         |           | 24-159              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-34  
**Client ID:** SB-27 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 23:03  
**Analyst:** ALS  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 140 | 18. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 180 | 20. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 110 | 20. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 160 | 24. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 180 | 18. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 32. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 30. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 180 | 31. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 180 | 47. | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 35. | 1               |
| 2,6-Dinitrotoluene                               | ND     |           | ug/kg | 180 | 30. | 1               |
| Fluoranthene                                     | ND     |           | ug/kg | 110 | 20. | 1               |
| 4-Chlorophenyl phenyl ether                      | ND     |           | ug/kg | 180 | 19. | 1               |
| 4-Bromophenyl phenyl ether                       | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-chloroisopropyl)ether                      | ND     |           | ug/kg | 210 | 30. | 1               |
| Bis(2-chloroethoxy)methane                       | ND     |           | ug/kg | 190 | 18. | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/kg | 180 | 26. | 1               |
| Hexachlorocyclopentadiene                        | ND     |           | ug/kg | 510 | 160 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 140 | 29. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 160 | 23. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 180 | 22. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 160 | 26. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 140 | 20. | 1               |
| n-Nitrosodi-n-propylamine                        | ND     |           | ug/kg | 180 | 27. | 1               |
| Bis(2-ethylhexyl)phthalate                       | ND     |           | ug/kg | 180 | 61. | 1               |
| Butyl benzyl phthalate                           | ND     |           | ug/kg | 180 | 45. | 1               |
| Di-n-butylphthalate                              | ND     |           | ug/kg | 180 | 34. | 1               |
| Di-n-octylphthalate                              | ND     |           | ug/kg | 180 | 60. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-34  
 Client ID: SB-27 (0-2')  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 09:45  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 180 | 16. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 180 | 37. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 110 | 20. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 140 | 43. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 110 | 30. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 110 | 28. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 110 | 18. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 140 | 27. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 110 | 34. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 140 | 21. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 180 | 17. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 110 | 22. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 110 | 20. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 140 | 25. | 1               |
| Pyrene                                           | ND     |           | ug/kg | 110 | 18. | 1               |
| Biphenyl                                         | ND     |           | ug/kg | 400 | 23. | 1               |
| 4-Chloroaniline                                  | ND     |           | ug/kg | 180 | 32. | 1               |
| 2-Nitroaniline                                   | ND     |           | ug/kg | 180 | 34. | 1               |
| 3-Nitroaniline                                   | ND     |           | ug/kg | 180 | 33. | 1               |
| 4-Nitroaniline                                   | ND     |           | ug/kg | 180 | 73. | 1               |
| Dibenzofuran                                     | ND     |           | ug/kg | 180 | 17. | 1               |
| 2-Methylnaphthalene                              | ND     |           | ug/kg | 210 | 21. | 1               |
| 1,2,4,5-Tetrachlorobenzene                       | ND     |           | ug/kg | 180 | 18. | 1               |
| Acetophenone                                     | ND     |           | ug/kg | 180 | 22. | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/kg | 110 | 34. | 1               |
| p-Chloro-m-cresol                                | ND     |           | ug/kg | 180 | 26. | 1               |
| 2-Chlorophenol                                   | ND     |           | ug/kg | 180 | 21. | 1               |
| 2,4-Dichlorophenol                               | ND     |           | ug/kg | 160 | 28. | 1               |
| 2,4-Dimethylphenol                               | ND     |           | ug/kg | 180 | 58. | 1               |
| 2-Nitrophenol                                    | ND     |           | ug/kg | 380 | 66. | 1               |
| 4-Nitrophenol                                    | ND     |           | ug/kg | 250 | 72. | 1               |
| 2,4-Dinitrophenol                                | ND     |           | ug/kg | 850 | 82. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 460 | 85. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 140 | 39. | 1               |
| Phenol                                           | ND     |           | ug/kg | 180 | 27. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 180 | 27. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 250 | 28. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-34

Date Collected: 04/26/22 09:45

Client ID: SB-27 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 180 | 34. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 570 | 180 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 180 | 54. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 180 | 17. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 26  | 8.1 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 90         |           | 25-120              |
| Phenol-d6            | 93         |           | 10-120              |
| Nitrobenzene-d5      | 93         |           | 23-120              |
| 2-Fluorobiphenyl     | 76         |           | 30-120              |
| 2,4,6-Tribromophenol | 84         |           | 10-136              |
| 4-Terphenyl-d14      | 82         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-34  
**Client ID:** SB-27 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 07:43  
**Analyst:** HT  
**Percent Solids:** 93%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | 0.051  | 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)                                 | ND     |           | ng/g  | 0.492 | 0.052 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.246 | 0.044 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.246 | 0.060 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | 0.044  | JF        | ng/g  | 0.246 | 0.041 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | 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)                            | ND     |           | 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)                              | ND     |           | ng/g  | 0.492 | 0.097 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.492 | 0.069 | 1               |
| PFOA/PFOS, Total                                               | 0.044  | J         | ng/g  | 0.246 | 0.041 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-34

Date Collected: 04/26/22 09:45

Client ID: SB-27 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                | 35         | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 41         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 34         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 34         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 41         | 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)         | 19         | Q         | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 34         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 37         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 31         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 20         |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 0          | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 32         | Q         | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 58         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 0          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 26         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 8          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-34 RE  
**Client ID:** SB-27 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 23:06  
**Analyst:** SG  
**Percent Solids:** 93%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/11/22 08:47

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 1.86 | 0.751 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 1.86 | 0.315 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 1.86 | 0.762 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 1.86 | 0.201 | 1               |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 4          | Q         | 31-134              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 3          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 28         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-35  
**Client ID:** SB-27  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 23:27  
**Analyst:** ALS  
**Percent Solids:** 85%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 150 | 20. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 190 | 22. | 1               |
| Hexachlorobenzene                                | ND     |           | ug/kg | 120 | 22. | 1               |
| Bis(2-chloroethyl)ether                          | ND     |           | ug/kg | 170 | 26. | 1               |
| 2-Chloronaphthalene                              | ND     |           | ug/kg | 190 | 19. | 1               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 35. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 33. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 34. | 1               |
| 3,3'-Dichlorobenzidine                           | ND     |           | ug/kg | 190 | 51. | 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 | 29. | 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 | 550 | 180 | 1               |
| Hexachloroethane                                 | ND     |           | ug/kg | 150 | 31. | 1               |
| Isophorone                                       | ND     |           | ug/kg | 170 | 25. | 1               |
| Naphthalene                                      | ND     |           | ug/kg | 190 | 24. | 1               |
| Nitrobenzene                                     | ND     |           | ug/kg | 170 | 28. | 1               |
| NDPA/DPA                                         | ND     |           | ug/kg | 150 | 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               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-35  
 Client ID: SB-27  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 09:45  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 190 | 18. | 1               |
| Dimethyl phthalate                               | ND     |           | ug/kg | 190 | 40. | 1               |
| Benzo(a)anthracene                               | ND     |           | ug/kg | 120 | 22. | 1               |
| Benzo(a)pyrene                                   | ND     |           | ug/kg | 150 | 47. | 1               |
| Benzo(b)fluoranthene                             | ND     |           | ug/kg | 120 | 32. | 1               |
| Benzo(k)fluoranthene                             | ND     |           | ug/kg | 120 | 31. | 1               |
| Chrysene                                         | ND     |           | ug/kg | 120 | 20. | 1               |
| Acenaphthylene                                   | ND     |           | ug/kg | 150 | 30. | 1               |
| Anthracene                                       | ND     |           | ug/kg | 120 | 38. | 1               |
| Benzo(ghi)perylene                               | ND     |           | ug/kg | 150 | 23. | 1               |
| Fluorene                                         | ND     |           | ug/kg | 190 | 19. | 1               |
| Phenanthrene                                     | ND     |           | ug/kg | 120 | 23. | 1               |
| Dibenzo(a,h)anthracene                           | ND     |           | ug/kg | 120 | 22. | 1               |
| Indeno(1,2,3-cd)pyrene                           | ND     |           | ug/kg | 150 | 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 | 36. | 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 | 170 | 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 | 90. | 1               |
| 4,6-Dinitro-o-cresol                             | ND     |           | ug/kg | 500 | 93. | 1               |
| Pentachlorophenol                                | ND     |           | ug/kg | 150 | 42. | 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               |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-35

Date Collected: 04/26/22 09:45

Client ID: SB-27

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 190 | 37. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 620 | 200 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 190 | 59. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 190 | 19. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 29  | 8.9 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 93         |           | 25-120              |
| Phenol-d6            | 95         |           | 10-120              |
| Nitrobenzene-d5      | 97         |           | 23-120              |
| 2-Fluorobiphenyl     | 74         |           | 30-120              |
| 2,4,6-Tribromophenol | 80         |           | 10-136              |
| 4-Terphenyl-d14      | 75         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-35  
**Client ID:** SB-27  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 07:59  
**Analyst:** HT  
**Percent Solids:** 85%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.546 | 0.025 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.546 | 0.050 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.273 | 0.043 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.546 | 0.057 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.273 | 0.049 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.273 | 0.066 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.273 | 0.046 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.546 | 0.196 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.546 | 0.149 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.273 | 0.082 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.273 | 0.142 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.273 | 0.073 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.546 | 0.313 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.546 | 0.051 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.546 | 0.167 | 1               |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g  | 0.546 | 0.107 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.546 | 0.076 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.273 | 0.046 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-35

Date Collected: 04/26/22 09:45

Client ID: SB-27

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                | 50         |           | Q         | 58-150              |     |                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 54         |           | 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)                        | 49         |           | Q         | 71-129              |     |                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 55         |           | 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)         | 35         |           |           | 20-154              |     |                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 48         |           | Q         | 72-140              |     |                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 52         |           | Q         | 79-136              |     |                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 49         |           | Q         | 75-130              |     |                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 34         |           |           | 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)                | 46         |           | Q         | 61-155              |     |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 37         |           |           | 10-117              |     |                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 2          |           | Q         | 34-137              |     |                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 37         |           | Q         | 54-150              |     |                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 8          |           | Q         | 24-159              |     |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-35      **RE**  
**Client ID:** SB-27  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 23:22  
**Analyst:** SG  
**Percent Solids:** 85%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/11/22 08:47

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 2.14 | 0.864 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 2.14 | 0.362 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 2.14 | 0.877 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 2.14 | 0.232 | 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)  | 18         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 98         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 58         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-36  
**Client ID:** SB-28  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 12:00  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 08:16  
**Analyst:** HT  
**Percent Solids:** 88%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/g  | 0.541 | 0.025 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.541 | 0.050 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.270 | 0.042 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.541 | 0.057 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.270 | 0.049 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.270 | 0.066 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.270 | 0.045 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.541 | 0.194 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.541 | 0.148 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.270 | 0.081 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.270 | 0.141 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.270 | 0.073 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.541 | 0.311 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.541 | 0.051 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.541 | 0.166 | 1               |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/g  | 0.541 | 0.106 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.541 | 0.076 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.270 | 0.045 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-36

Date Collected: 04/26/22 12:00

Client ID: SB-28

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                   | 31         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 33         | 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)                       | 30         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 31         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 35         | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 30         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 21         |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 29         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 27         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 25         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 17         | Q         | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 0          | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 24         | Q         | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 45         |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 2          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 16         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 2          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

Lab ID: L2222691-36 RE  
 Client ID: SB-28  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 12:00  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/11/22 23:39  
 Analyst: SG  
 Percent Solids: 88%

Extraction Method: ALPHA 23528  
 Extraction Date: 05/11/22 08:47

| 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               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/g  | 2.03 | 0.343 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/g  | 2.03 | 0.830 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/g  | 2.03 | 0.219 | 1               |

| Surrogate (Extracted Internal Standard)                                | % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|---------------------|
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 12         | Q         | 31-134              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 15         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 78         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 35         |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-37  
**Client ID:** DUPE  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 23:50  
**Analyst:** ALS  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                     | ND     |           | ug/kg | 150 | 20. | 1               |
| 1,2,4-Trichlorobenzene                           | ND     |           | ug/kg | 190 | 22. | 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               |
| 1,2-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 34. | 1               |
| 1,3-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 33. | 1               |
| 1,4-Dichlorobenzene                              | ND     |           | ug/kg | 190 | 33. | 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 | 25. | 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 | 66. | 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               |



Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-37

Date Collected: 04/28/22 09:35

Client ID: DUPE

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| Diethyl phthalate                                | ND     |           | ug/kg | 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               |
| 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 | 63. | 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 | 29. | 1               |
| 2-Methylphenol                                   | ND     |           | ug/kg | 190 | 29. | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/kg | 270 | 30. | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-37

Date Collected: 04/28/22 09:35

Client ID: DUPE

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

| Parameter                                        | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| Semivolatile Organics by GC/MS - Westborough Lab |        |           |       |     |     |                 |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/kg | 190 | 36. | 1               |
| Benzoic Acid                                     | ND     |           | ug/kg | 610 | 190 | 1               |
| Benzyl Alcohol                                   | ND     |           | ug/kg | 190 | 58. | 1               |
| Carbazole                                        | ND     |           | ug/kg | 190 | 18. | 1               |
| 1,4-Dioxane                                      | ND     |           | ug/kg | 28  | 8.7 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 85         |           | 25-120              |
| Phenol-d6            | 87         |           | 10-120              |
| Nitrobenzene-d5      | 88         |           | 23-120              |
| 2-Fluorobiphenyl     | 71         |           | 30-120              |
| 2,4,6-Tribromophenol | 72         |           | 10-136              |
| 4-Terphenyl-d14      | 64         |           | 18-120              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-37  
**Client ID:** DUPE  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 08:32  
**Analyst:** HT  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| Parameter                                                      | Result | Qualifier | Units | RL    | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |       |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | 0.031  | J         | ng/g  | 0.550 | 0.025 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/g  | 0.550 | 0.051 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/g  | 0.275 | 0.043 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/g  | 0.550 | 0.058 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/g  | 0.275 | 0.050 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/g  | 0.275 | 0.067 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/g  | 0.275 | 0.046 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/g  | 0.550 | 0.197 | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/g  | 0.550 | 0.150 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/g  | 0.275 | 0.083 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/g  | 0.275 | 0.143 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/g  | 0.275 | 0.074 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/g  | 0.550 | 0.316 | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/g  | 0.550 | 0.222 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/g  | 0.550 | 0.051 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/g  | 0.550 | 0.168 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/g  | 0.550 | 0.077 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/g  | 0.275 | 0.046 | 1               |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-37**Date Collected:** 04/28/22 09:35**Client ID:** DUPE**Date Received:** 04/29/22**Sample Location:** INDUSTRIAL BLVD.**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)                                   | 58         | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 61         |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 57         | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 58         | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 58         | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 58         | 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)                                  | 56         | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 51         | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 54         | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 35         |           | 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)                | 50         | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 9          | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 39         | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 9          | Q         | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-37  
**Client ID:** DUPE  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 14:38  
**Analyst:** RS  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| Parameter                                                      | Result     | Qualifier | Units     | RL                  | MDL   | Dilution Factor |
|----------------------------------------------------------------|------------|-----------|-----------|---------------------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |            |           |           |                     |       |                 |
| Perfluorooctanesulfonamide (FOSA)                              | ND         |           | ng/g      | 0.550               | 0.108 | 1               |
| Surrogate (Extracted Internal Standard)                        | % Recovery |           | Qualifier | Acceptance Criteria |       |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                      | 86         |           |           | 10-117              |       |                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-37 RE  
**Client ID:** DUPE  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 23:55  
**Analyst:** SG  
**Percent Solids:** 86%

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/11/22 08:47

| 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 | 0.357 | 1               |
| Perfluorotridecanoic Acid (PFTTrDA)                            | ND     |           | ng/g  | 2.11 | 0.865 | 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) | 29         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                           | 76         |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                      | 26         |           | 24-159              |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-38  
 Client ID: EQUIPMENT BLANK  
 Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 12:25  
 Date Received: 04/29/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/06/22 23:27  
 Analyst: RS

Extraction Method: ALPHA 23528  
 Extraction Date: 05/06/22 03:29

| Parameter                                                      | Result | Qualifier | Units | RL   | MDL   | Dilution Factor |
|----------------------------------------------------------------|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |        |           |       |      |       |                 |
| Perfluorobutanoic Acid (PFBA)                                  | ND     |           | ng/l  | 1.88 | 0.383 | 1               |
| Perfluoropentanoic Acid (PFPeA)                                | ND     |           | ng/l  | 1.88 | 0.372 | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                            | ND     |           | ng/l  | 1.88 | 0.224 | 1               |
| Perfluorohexanoic Acid (PFHxA)                                 | ND     |           | ng/l  | 1.88 | 0.308 | 1               |
| Perfluoroheptanoic Acid (PFHpA)                                | ND     |           | ng/l  | 1.88 | 0.212 | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                           | ND     |           | ng/l  | 1.88 | 0.353 | 1               |
| Perfluorooctanoic Acid (PFOA)                                  | ND     |           | ng/l  | 1.88 | 0.222 | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)              | ND     |           | ng/l  | 1.88 | 1.25  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                          | ND     |           | ng/l  | 1.88 | 0.646 | 1               |
| Perfluorononanoic Acid (PFNA)                                  | ND     |           | ng/l  | 1.88 | 0.293 | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                            | ND     |           | ng/l  | 1.88 | 0.474 | 1               |
| Perfluorodecanoic Acid (PFDA)                                  | ND     |           | ng/l  | 1.88 | 0.286 | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)              | ND     |           | ng/l  | 1.88 | 1.14  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)      | ND     |           | ng/l  | 1.88 | 0.609 | 1               |
| Perfluoroundecanoic Acid (PFUnA)                               | ND     |           | ng/l  | 1.88 | 0.244 | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                            | ND     |           | ng/l  | 1.88 | 0.921 | 1               |
| Perfluorooctanesulfonamide (FOSA)                              | ND     |           | ng/l  | 1.88 | 0.545 | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)       | ND     |           | ng/l  | 1.88 | 0.755 | 1               |
| Perfluorododecanoic Acid (PFDoA)                               | ND     |           | ng/l  | 1.88 | 0.350 | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                             | ND     |           | ng/l  | 1.88 | 0.307 | 1               |
| Perfluorotetradecanoic Acid (PFTA)                             | ND     |           | ng/l  | 1.88 | 0.233 | 1               |
| PFOA/PFOS, Total                                               | ND     |           | ng/l  | 1.88 | 0.222 | 1               |

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-38

Date Collected: 04/28/22 12:25

Client ID: EQUIPMENT BLANK

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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)                                | 112        |           |       |           | 62-163              |                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 85         |           |       |           | 70-131              |                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 85         |           |       |           | 57-129              |                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 87         |           |       |           | 60-129              |                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 91         |           |       |           | 71-134              |                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 91         |           |       |           | 62-129              |                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 71         |           |       |           | 14-147              |                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 94         |           |       |           | 59-139              |                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 91         |           |       |           | 69-131              |                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 89         |           |       |           | 62-124              |                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 135        |           |       |           | 10-162              |                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 111        |           |       |           | 24-116              |                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 107        |           |       |           | 55-137              |                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 30         |           |       |           | 10-112              |                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 69         |           |       |           | 27-126              |                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 122        |           |       |           | 48-131              |                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 116        |           |       |           | 22-136              |                 |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 15:08  
**Analyst:** ALS

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                                                                                              | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-12,14,19,26-27,31-32,34-35,37<br>Batch: WG1632852-1 |        |           |       |     |     |
| Acenaphthene                                                                                                           | ND     |           | ug/kg | 130 | 17. |
| 1,2,4-Trichlorobenzene                                                                                                 | ND     |           | ug/kg | 160 | 19. |
| Hexachlorobenzene                                                                                                      | ND     |           | ug/kg | 98  | 18. |
| Bis(2-chloroethyl)ether                                                                                                | ND     |           | ug/kg | 150 | 22. |
| 2-Chloronaphthalene                                                                                                    | ND     |           | ug/kg | 160 | 16. |
| 1,2-Dichlorobenzene                                                                                                    | ND     |           | ug/kg | 160 | 29. |
| 1,3-Dichlorobenzene                                                                                                    | ND     |           | ug/kg | 160 | 28. |
| 1,4-Dichlorobenzene                                                                                                    | ND     |           | ug/kg | 160 | 28. |
| 3,3'-Dichlorobenzidine                                                                                                 | ND     |           | ug/kg | 160 | 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. |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 15:08  
**Analyst:** ALS

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                                                                                              | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-12,14,19,26-27,31-32,34-35,37<br>Batch: WG1632852-1 |        |           |       |     |     |
| Dimethyl phthalate                                                                                                     | ND     |           | ug/kg | 160 | 34. |
| Benzo(a)anthracene                                                                                                     | ND     |           | ug/kg | 98  | 18. |
| Benzo(a)pyrene                                                                                                         | ND     |           | ug/kg | 130 | 40. |
| Benzo(b)fluoranthene                                                                                                   | ND     |           | ug/kg | 98  | 27. |
| 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. |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8270D  
**Analytical Date:** 05/01/22 15:08  
**Analyst:** ALS

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 13:53

| Parameter                                                                                                              | Result | Qualifier | Units | RL  | MDL |
|------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-12,14,19,26-27,31-32,34-35,37<br>Batch: WG1632852-1 |        |           |       |     |     |
| 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. |
| 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. |
| Benzoic Acid                                                                                                           | ND     |           | ug/kg | 530 | 160 |
| Benzyl Alcohol                                                                                                         | ND     |           | ug/kg | 160 | 50. |
| Carbazole                                                                                                              | ND     |           | ug/kg | 160 | 16. |
| 1,4-Dioxane                                                                                                            | ND     |           | ug/kg | 24  | 7.5 |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 104       |           | 25-120                 |
| Phenol-d6            | 106       |           | 10-120                 |
| Nitrobenzene-d5      | 104       |           | 23-120                 |
| 2-Fluorobiphenyl     | 86        |           | 30-120                 |
| 2,4,6-Tribromophenol | 86        |           | 10-136                 |
| 4-Terphenyl-d14      | 91        |           | 18-120                 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 20:10  
**Analyst:** MP

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                                                              | Result | Qualifier | Units | RL    | MDL   |
|--------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-20 Batch: WG1634686-1 |        |           |       |       |       |
| 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 AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/07/22 20:10  
**Analyst:** MP

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                                                              | Result | Qualifier | Units | RL | MDL |
|--------------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-20 Batch: WG1634686-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 68        |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 74        |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 78        |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 74        |           | 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[13C8]Octanoic Acid (M8PFOA)                                  | 81        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 46        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 85        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 85        |           | 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)         | 41        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 45        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 79        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 47        |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 43        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 69        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 49        |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 11:59  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/05/22 06:27

| Parameter                                                                                              | Result | Qualifier | Units | RL    | MDL   |
|--------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-20 Batch: WG1634686-1 |        |           |       |       |       |
| Perfluorooctanesulfonamide (FOSA)                                                                      | ND     |           | ng/g  | 0.500 | 0.098 |

| Surrogate (Extracted Internal Standard)   | %Recovery | Qualifier | Acceptance Criteria |
|-------------------------------------------|-----------|-----------|---------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 106       |           | 10-117              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/06/22 17:23  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/06/22 03:28

| Parameter                                                                                           | Result | Qualifier | Units | RL   | MDL   |
|-----------------------------------------------------------------------------------------------------|--------|-----------|-------|------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 38 Batch: WG1635192-1 |        |           |       |      |       |
| 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:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/06/22 17:23  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/06/22 03:28

| Parameter                                                                                           | Result | Qualifier | Units | RL | MDL |
|-----------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 38 Batch: WG1635192-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 93        |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 106       |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 86        |           | 70-131              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 95        |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 94        |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 87        |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 94        |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 90        |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 92        |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 88        |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 94        |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 104       |           | 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)                | 103       |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 46        |           | 10-112              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 76        |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 96        |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 95        |           | 22-136              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/15/22 19:34  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/06/22 03:28

| Parameter                                                                                           | Result | Qualifier | Units | RL   | MDL   |
|-----------------------------------------------------------------------------------------------------|--------|-----------|-------|------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 38 Batch: WG1635192-1 |        |           |       |      |       |
| Perfluorooctanesulfonamide (FOSA)                                                                   | ND     |           | ng/l  | 2.00 | 0.580 |

| Surrogate (Extracted Internal Standard)   | %Recovery | Qualifier | Acceptance Criteria |
|-------------------------------------------|-----------|-----------|---------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 75        |           | 10-112              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/09/22 18:40  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 09:07

| Parameter                                                                                                                      | Result | Qualifier | Units | RL    | MDL   |
|--------------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,07-08,11-15,17-18,21-30<br>Batch: WG1636027-1 |        |           |       |       |       |
| 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 AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/09/22 18:40  
 Analyst: SG

Extraction Method: ALPHA 23528  
 Extraction Date: 05/09/22 09:07

| Parameter                                                                                                                      | Result | Qualifier | Units | RL | MDL |
|--------------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,07-08,11-15,17-18,21-30<br>Batch: WG1636027-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 81        |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 87        |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 79        |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 83        |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 83        |           | 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)         | 58        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 90        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 84        |           | 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)         | 68        |           | 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)                | 89        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 31        |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 45        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 78        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 54        |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/17/22 14:53  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 09:07

| Parameter                                                                                                                      | Result | Qualifier | Units | RL    | MDL   |
|--------------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,07-08,11-15,17-18,21-30<br>Batch: WG1636027-1 |        |           |       |       |       |
| Perfluorooctanesulfonamide (FOSA)                                                                                              | ND     |           | ng/g  | 0.500 | 0.098 |

| Surrogate (Extracted Internal Standard)   | %Recovery | Qualifier | Acceptance Criteria |
|-------------------------------------------|-----------|-----------|---------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 108       |           | 10-117              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 01:55  
**Analyst:** HT

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| Parameter                                                                                              | Result | Qualifier | Units | RL    | MDL   |
|--------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 31-37 Batch: WG1636273-1 |        |           |       |       |       |
| 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 AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 01:55  
**Analyst:** HT

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| Parameter                                                                                              | Result | Qualifier | Units | RL | MDL |
|--------------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 31-37 Batch: WG1636273-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | 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)                      | 76        |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 75        |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 74        |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 74        | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 71        | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 56        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 78        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 68        | 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)         | 59        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 42        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 74        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 84        |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 37        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 65        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 46        |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/10/22 17:46  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/09/22 17:30

| Parameter                                                                                              | Result | Qualifier | Units | RL    | MDL   |
|--------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 31-37 Batch: WG1636273-1 |        |           |       |       |       |
| Perfluorooctanesulfonamide (FOSA)                                                                      | ND     |           | ng/g  | 0.500 | 0.098 |

| Surrogate (Extracted Internal Standard)   | %Recovery | Qualifier | Acceptance Criteria |
|-------------------------------------------|-----------|-----------|---------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 100       |           | 10-117              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 22:50  
**Analyst:** RS  
**TCLP/SPLP Extraction Date:**

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 15:30

| Parameter                                                                                                                 | Result | Qualifier | Units | RL   | MDL   |
|---------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|------|-------|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab for sample(s): 13,30<br>Batch: WG1636562-1 |        |           |       |      |       |
| 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 |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 22:50  
**Analyst:** RS  
**TCLP/SPLP Extraction Date:**

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 15:30

| Parameter                                                                                                                 | Result | Qualifier | Units | RL | MDL |
|---------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab for sample(s): 13,30<br>Batch: WG1636562-1 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 103       |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 125       |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 111       |           | 70-131              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 88        |           | 12-142              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 108       |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 110       |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 113       |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 102       |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 93        |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 105       |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 113       |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 97        |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 111       |           | 10-162              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 87        |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 102       |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 58        |           | 5-112               |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 92        |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 92        |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 93        |           | 22-136              |

**Project Name:** FORMER AIRPORT  
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**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 23:07  
**Analyst:** RS  
**TCLP/SPLP Extraction Date:**

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 15:30

| Parameter                                                                                                                 | Result | Qualifier | Units | RL   | MDL   |
|---------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|------|-------|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab for sample(s): 13,30<br>Batch: WG1636562-5 |        |           |       |      |       |
| Perfluorobutanoic Acid (PFBA)                                                                                             | ND     |           | ng/l  | 1.79 | 0.365 |
| Perfluoropentanoic Acid (PFPeA)                                                                                           | ND     |           | ng/l  | 1.79 | 0.354 |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                       | ND     |           | ng/l  | 1.79 | 0.213 |
| Perfluorohexanoic Acid (PFHxA)                                                                                            | ND     |           | ng/l  | 1.79 | 0.293 |
| Perfluoroheptanoic Acid (PFHpA)                                                                                           | ND     |           | ng/l  | 1.79 | 0.201 |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                      | ND     |           | ng/l  | 1.79 | 0.336 |
| Perfluorooctanoic Acid (PFOA)                                                                                             | ND     |           | ng/l  | 1.79 | 0.211 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                         | ND     |           | ng/l  | 1.79 | 1.19  |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                                     | ND     |           | ng/l  | 1.79 | 0.615 |
| Perfluorononanoic Acid (PFNA)                                                                                             | ND     |           | ng/l  | 1.79 | 0.279 |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                       | ND     |           | ng/l  | 1.79 | 0.450 |
| Perfluorodecanoic Acid (PFDA)                                                                                             | ND     |           | ng/l  | 1.79 | 0.272 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                         | ND     |           | ng/l  | 1.79 | 1.08  |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                                 | ND     |           | ng/l  | 1.79 | 0.579 |
| Perfluoroundecanoic Acid (PFUnA)                                                                                          | ND     |           | ng/l  | 1.79 | 0.232 |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                       | ND     |           | ng/l  | 1.79 | 0.876 |
| Perfluorooctanesulfonamide (FOSA)                                                                                         | ND     |           | ng/l  | 1.79 | 0.518 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                                  | ND     |           | ng/l  | 1.79 | 0.719 |
| Perfluorododecanoic Acid (PFDoA)                                                                                          | ND     |           | ng/l  | 1.79 | 0.332 |
| Perfluorotridecanoic Acid (PFTrDA)                                                                                        | ND     |           | ng/l  | 1.79 | 0.292 |
| Perfluorotetradecanoic Acid (PFTA)                                                                                        | ND     |           | ng/l  | 1.79 | 0.222 |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/11/22 23:07  
 Analyst: RS  
 TCLP/SPLP Extraction Date:

Extraction Method: ALPHA 23528  
 Extraction Date: 05/10/22 15:30

| Parameter                                                                                                                 | Result | Qualifier | Units | RL | MDL |
|---------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab for sample(s): 13,30<br>Batch: WG1636562-5 |        |           |       |    |     |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 105       |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 130       |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 108       |           | 70-131              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 92        |           | 12-142              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 112       |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 115       |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 112       |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 111       |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 94        |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 107       |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 106       |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 105       |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 109       |           | 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)                | 100       |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 28        |           | 5-112               |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 95        |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 92        |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 92        |           | 22-136              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 15:15  
**Analyst:** RS

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 11:10

| Parameter                                                                                                    | Result | Qualifier | Units | RL    | MDL   |
|--------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 21-23,25-30 Batch: WG1636568-1 |        |           |       |       |       |
| 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 AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/11/22 15:15  
 Analyst: RS

Extraction Method: ALPHA 23528  
 Extraction Date: 05/10/22 11:10

| Parameter                                                                                                    | Result | Qualifier | Units | RL | MDL |
|--------------------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 21-23,25-30 Batch: WG1636568-1 |        |           |       |    |     |

| 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)                      | 87        |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 90        |           | 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)                                  | 87        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 71        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 95        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 86        |           | 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)         | 84        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 62        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 91        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 6         | Q         | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 65        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 90        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 74        |           | 24-159              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/12/22 10:21  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/10/22 11:10

| Parameter                                                                                                    | Result | Qualifier | Units | RL    | MDL   |
|--------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 21-23,25-30 Batch: WG1636568-1 |        |           |       |       |       |
| Perfluorooctanesulfonamide (FOSA)                                                                            | ND     |           | ng/g  | 0.500 | 0.098 |

| Surrogate (Extracted Internal Standard)   | %Recovery | Qualifier | Acceptance Criteria |
|-------------------------------------------|-----------|-----------|---------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 96        |           | 10-117              |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/11/22 21:59  
**Analyst:** SG

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/11/22 08:47

| Parameter                                                                                                    | Result | Qualifier | Units | RL    | MDL   |
|--------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 31-32,34-37 Batch: WG1636990-1 |        |           |       |       |       |
| 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 AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID  
 Analytical Date: 05/11/22 21:59  
 Analyst: SG

Extraction Method: ALPHA 23528  
 Extraction Date: 05/11/22 08:47

| Parameter                                                                                                    | Result | Qualifier | Units | RL | MDL |
|--------------------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 31-32,34-37 Batch: WG1636990-1 |        |           |       |    |     |

| 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)                      | 85        |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 89        |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 92        |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 99        |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 93        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 58        |           | 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)                      | 89        |           | 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) | 72        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 105       |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 40        |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 68        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 105       |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 62        |           | 24-159              |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 134,LCMSMS-ID  
**Analytical Date:** 05/13/22 08:27  
**Analyst:** MP

**Extraction Method:** ALPHA 23528  
**Extraction Date:** 05/11/22 08:47

| Parameter                                                                                                    | Result | Qualifier | Units | RL    | MDL   |
|--------------------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 31-32,34-37 Batch: WG1636990-1 |        |           |       |       |       |
| Perfluorooctanesulfonamide (FOSA)                                                                            | ND     |           | ng/g  | 0.500 | 0.098 |

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

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1632852-2 WG1632852-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                                           | 77               |      | 80                |      | 31-137              | 4   |      | 50            |
| 1,2,4-Trichlorobenzene                                                                                                                 | 77               |      | 82                |      | 38-107              | 6   |      | 50            |
| Hexachlorobenzene                                                                                                                      | 73               |      | 74                |      | 40-140              | 1   |      | 50            |
| Bis(2-chloroethyl)ether                                                                                                                | 86               |      | 90                |      | 40-140              | 5   |      | 50            |
| 2-Chloronaphthalene                                                                                                                    | 77               |      | 79                |      | 40-140              | 3   |      | 50            |
| 1,2-Dichlorobenzene                                                                                                                    | 77               |      | 82                |      | 40-140              | 6   |      | 50            |
| 1,3-Dichlorobenzene                                                                                                                    | 75               |      | 79                |      | 40-140              | 5   |      | 50            |
| 1,4-Dichlorobenzene                                                                                                                    | 75               |      | 79                |      | 28-104              | 5   |      | 50            |
| 3,3'-Dichlorobenzidine                                                                                                                 | 69               |      | 68                |      | 40-140              | 1   |      | 50            |
| 2,4-Dinitrotoluene                                                                                                                     | 85               |      | 84                |      | 40-132              | 1   |      | 50            |
| 2,6-Dinitrotoluene                                                                                                                     | 79               |      | 80                |      | 40-140              | 1   |      | 50            |
| Fluoranthene                                                                                                                           | 78               |      | 79                |      | 40-140              | 1   |      | 50            |
| 4-Chlorophenyl phenyl ether                                                                                                            | 74               |      | 75                |      | 40-140              | 1   |      | 50            |
| 4-Bromophenyl phenyl ether                                                                                                             | 74               |      | 76                |      | 40-140              | 3   |      | 50            |
| Bis(2-chloroisopropyl)ether                                                                                                            | 113              |      | 119               |      | 40-140              | 5   |      | 50            |
| Bis(2-chloroethoxy)methane                                                                                                             | 89               |      | 90                |      | 40-117              | 1   |      | 50            |
| Hexachlorobutadiene                                                                                                                    | 70               |      | 74                |      | 40-140              | 6   |      | 50            |
| Hexachlorocyclopentadiene                                                                                                              | 44               |      | 47                |      | 40-140              | 7   |      | 50            |
| Hexachloroethane                                                                                                                       | 81               |      | 88                |      | 40-140              | 8   |      | 50            |
| Isophorone                                                                                                                             | 91               |      | 93                |      | 40-140              | 2   |      | 50            |
| Naphthalene                                                                                                                            | 77               |      | 81                |      | 40-140              | 5   |      | 50            |
| Nitrobenzene                                                                                                                           | 95               |      | 99                |      | 40-140              | 4   |      | 50            |
| NDPA/DPA                                                                                                                               | 79               |      | 81                |      | 36-157              | 3   |      | 50            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1632852-2 WG1632852-3 |                  |      |                   |      |                     |     |      |               |
| n-Nitrosodi-n-propylamine                                                                                                              | 94               |      | 97                |      | 32-121              | 3   |      | 50            |
| Bis(2-ethylhexyl)phthalate                                                                                                             | 85               |      | 85                |      | 40-140              | 0   |      | 50            |
| Butyl benzyl phthalate                                                                                                                 | 84               |      | 83                |      | 40-140              | 1   |      | 50            |
| Di-n-butylphthalate                                                                                                                    | 90               |      | 89                |      | 40-140              | 1   |      | 50            |
| Di-n-octylphthalate                                                                                                                    | 86               |      | 88                |      | 40-140              | 2   |      | 50            |
| Diethyl phthalate                                                                                                                      | 81               |      | 82                |      | 40-140              | 1   |      | 50            |
| Dimethyl phthalate                                                                                                                     | 78               |      | 78                |      | 40-140              | 0   |      | 50            |
| Benzo(a)anthracene                                                                                                                     | 80               |      | 82                |      | 40-140              | 2   |      | 50            |
| Benzo(a)pyrene                                                                                                                         | 82               |      | 84                |      | 40-140              | 2   |      | 50            |
| Benzo(b)fluoranthene                                                                                                                   | 80               |      | 78                |      | 40-140              | 3   |      | 50            |
| Benzo(k)fluoranthene                                                                                                                   | 75               |      | 80                |      | 40-140              | 6   |      | 50            |
| Chrysene                                                                                                                               | 75               |      | 76                |      | 40-140              | 1   |      | 50            |
| Acenaphthylene                                                                                                                         | 78               |      | 80                |      | 40-140              | 3   |      | 50            |
| Anthracene                                                                                                                             | 79               |      | 80                |      | 40-140              | 1   |      | 50            |
| Benzo(ghi)perylene                                                                                                                     | 80               |      | 83                |      | 40-140              | 4   |      | 50            |
| Fluorene                                                                                                                               | 79               |      | 79                |      | 40-140              | 0   |      | 50            |
| Phenanthrene                                                                                                                           | 77               |      | 77                |      | 40-140              | 0   |      | 50            |
| Dibenzo(a,h)anthracene                                                                                                                 | 84               |      | 86                |      | 40-140              | 2   |      | 50            |
| Indeno(1,2,3-cd)pyrene                                                                                                                 | 92               |      | 95                |      | 40-140              | 3   |      | 50            |
| Pyrene                                                                                                                                 | 76               |      | 77                |      | 35-142              | 1   |      | 50            |
| Biphenyl                                                                                                                               | 79               |      | 81                |      | 37-127              | 3   |      | 50            |
| 4-Chloroaniline                                                                                                                        | 79               |      | 77                |      | 40-140              | 3   |      | 50            |
| 2-Nitroaniline                                                                                                                         | 89               |      | 90                |      | 47-134              | 1   |      | 50            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1632852-2 WG1632852-3 |                  |      |                   |      |                     |     |      |               |
| 3-Nitroaniline                                                                                                                         | 69               |      | 69                |      | 26-129              | 0   |      | 50            |
| 4-Nitroaniline                                                                                                                         | 88               |      | 88                |      | 41-125              | 0   |      | 50            |
| Dibenzofuran                                                                                                                           | 78               |      | 80                |      | 40-140              | 3   |      | 50            |
| 2-Methylnaphthalene                                                                                                                    | 78               |      | 81                |      | 40-140              | 4   |      | 50            |
| 1,2,4,5-Tetrachlorobenzene                                                                                                             | 74               |      | 78                |      | 40-117              | 5   |      | 50            |
| Acetophenone                                                                                                                           | 88               |      | 91                |      | 14-144              | 3   |      | 50            |
| 2,4,6-Trichlorophenol                                                                                                                  | 80               |      | 82                |      | 30-130              | 2   |      | 50            |
| p-Chloro-m-cresol                                                                                                                      | 88               |      | 89                |      | 26-103              | 1   |      | 50            |
| 2-Chlorophenol                                                                                                                         | 86               |      | 90                |      | 25-102              | 5   |      | 50            |
| 2,4-Dichlorophenol                                                                                                                     | 86               |      | 86                |      | 30-130              | 0   |      | 50            |
| 2,4-Dimethylphenol                                                                                                                     | 89               |      | 90                |      | 30-130              | 1   |      | 50            |
| 2-Nitrophenol                                                                                                                          | 84               |      | 88                |      | 30-130              | 5   |      | 50            |
| 4-Nitrophenol                                                                                                                          | 115              | Q    | 117               | Q    | 11-114              | 2   |      | 50            |
| 2,4-Dinitrophenol                                                                                                                      | 61               |      | 63                |      | 4-130               | 3   |      | 50            |
| 4,6-Dinitro-o-cresol                                                                                                                   | 74               |      | 73                |      | 10-130              | 1   |      | 50            |
| Pentachlorophenol                                                                                                                      | 56               |      | 56                |      | 17-109              | 0   |      | 50            |
| Phenol                                                                                                                                 | 92               | Q    | 94                | Q    | 26-90               | 2   |      | 50            |
| 2-Methylphenol                                                                                                                         | 92               |      | 93                |      | 30-130.             | 1   |      | 50            |
| 3-Methylphenol/4-Methylphenol                                                                                                          | 98               |      | 98                |      | 30-130              | 0   |      | 50            |
| 2,4,5-Trichlorophenol                                                                                                                  | 79               |      | 79                |      | 30-130              | 0   |      | 50            |
| Benzoic Acid                                                                                                                           | 64               |      | 60                |      | 10-110              | 6   |      | 50            |
| Benzyl Alcohol                                                                                                                         | 98               |      | 101               |      | 40-140              | 3   |      | 50            |
| Carbazole                                                                                                                              | 81               |      | 82                |      | 54-128              | 1   |      | 50            |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Lab Number:** L2222691

**Project Number:** 508215230

**Report Date:** 05/20/22

| <b>Parameter</b>                                                                                                                       | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1632852-2 WG1632852-3 |                          |             |                           |             |                             |            |             |                       |
| 1,4-Dioxane                                                                                                                            | 59                       |             | 65                        |             | 40-140                      | 10         |             | 50                    |

| <b>Surrogate</b>     | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 2-Fluorophenol       | 94                       |             | 99                        |             | 25-120                         |
| Phenol-d6            | 97                       |             | 97                        |             | 10-120                         |
| Nitrobenzene-d5      | 96                       |             | 99                        |             | 23-120                         |
| 2-Fluorobiphenyl     | 75                       |             | 76                        |             | 30-120                         |
| 2,4,6-Tribromophenol | 76                       |             | 75                        |             | 10-136                         |
| 4-Terphenyl-d14      | 74                       |             | 73                        |             | 18-120                         |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-20 Batch: WG1634686-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)                                                                                 | 90               |      | -                 |      | 71-135              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)                                                                               | 92               |      | -                 |      | 69-132              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)                                                                           | 97               |      | -                 |      | 72-128              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)                                                                                | 90               |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)                                                                               | 94               |      | -                 |      | 71-131              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                          | 98               |      | -                 |      | 67-130              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)                                                                                 | 89               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                             | 94               |      | -                 |      | 64-140              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                         | 100              |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)                                                                                 | 91               |      | -                 |      | 72-129              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)                                                                           | 98               |      | -                 |      | 68-136              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)                                                                                 | 87               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                             | 102              |      | -                 |      | 65-137              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                     | 90               |      | -                 |      | 63-144              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)                                                                              | 102              |      | -                 |      | 64-136              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)                                                                           | 101              |      | -                 |      | 59-134              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)                                                                             | 94               |      | -                 |      | 67-137              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                      | 96               |      | -                 |      | 61-139              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)                                                                              | 96               |      | -                 |      | 69-135              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)                                                                            | 107              |      | -                 |      | 66-139              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)                                                                            | 95               |      | -                 |      | 69-133              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-20 Batch: WG1634686-2 |                  |      |                   |      |                     |     |      |               |

| Surrogate (Extracted Internal Standard)                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------------------------------------------|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 85               |      |                   |      | 61-135                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 85               |      |                   |      | 58-150                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 82               |      |                   |      | 74-139                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 85               |      |                   |      | 66-128                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 84               |      |                   |      | 71-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 89               |      |                   |      | 78-139                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 92               |      |                   |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 47               |      |                   |      | 20-154                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 92               |      |                   |      | 72-140                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 87               |      |                   |      | 79-136                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 93               |      |                   |      | 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) | 53               |      |                   |      | 31-134                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 84               |      |                   |      | 61-155                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 79               |      |                   |      | 10-117                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 51               |      |                   |      | 34-137                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 76               |      |                   |      | 54-150                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 64               |      |                   |      | 24-159                 |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| <b>Parameter</b>                                                                                              | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|---------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-20 Batch: WG1634686-2 |                          |             |                           |             |                             |            |             |                       |
| Perfluorooctanesulfonamide (FOSA)                                                                             | 110                      |             | -                         |             | 67-137                      | -          |             | 30                    |

| <b>Surrogate (Extracted Internal Standard)</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|------------------------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)      | 104                      |             |                           |             | 10-117                         |



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 38 Batch: WG1635192-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)                                                                              | 93               |      | -                 |      | 67-148              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)                                                                            | 92               |      | -                 |      | 63-161              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)                                                                        | 91               |      | -                 |      | 65-157              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)                                                                             | 93               |      | -                 |      | 69-168              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)                                                                            | 90               |      | -                 |      | 58-159              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                       | 103              |      | -                 |      | 69-177              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)                                                                              | 95               |      | -                 |      | 63-159              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                          | 97               |      | -                 |      | 49-187              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                      | 96               |      | -                 |      | 61-179              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)                                                                              | 92               |      | -                 |      | 68-171              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)                                                                        | 96               |      | -                 |      | 52-151              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)                                                                              | 91               |      | -                 |      | 63-171              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                          | 104              |      | -                 |      | 56-173              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                  | 89               |      | -                 |      | 60-166              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)                                                                           | 96               |      | -                 |      | 60-153              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)                                                                        | 93               |      | -                 |      | 38-156              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)                                                                          | 93               |      | -                 |      | 46-170              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                   | 103              |      | -                 |      | 45-170              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)                                                                           | 94               |      | -                 |      | 67-153              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)                                                                         | 101              |      | -                 |      | 48-158              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)                                                                         | 99               |      | -                 |      | 59-182              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 38 Batch: WG1635192-2 |                  |      |                   |      |                     |     |      |               |

| Surrogate (Extracted Internal Standard)                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------------------------------------------|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 91               |      |                   |      | 58-132                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 103              |      |                   |      | 62-163                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 88               |      |                   |      | 70-131                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 90               |      |                   |      | 57-129                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 92               |      |                   |      | 60-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 87               |      |                   |      | 71-134                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 89               |      |                   |      | 62-129                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 95               |      |                   |      | 14-147                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 94               |      |                   |      | 59-139                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 89               |      |                   |      | 69-131                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 92               |      |                   |      | 62-124                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 103              |      |                   |      | 10-162                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 86               |      |                   |      | 24-116                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 97               |      |                   |      | 55-137                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 48               |      |                   |      | 10-112                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 74               |      |                   |      | 27-126                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 93               |      |                   |      | 48-131                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 86               |      |                   |      | 22-136                 |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| <b>Parameter</b>                                                                                           | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 38 Batch: WG1635192-2 |                          |             |                           |             |                             |            |             |                       |
| Perfluorooctanesulfonamide (FOSA)                                                                          | 112                      |             | -                         |             | 46-170                      | -          |             | 30                    |

| <b>Surrogate (Extracted Internal Standard)</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|------------------------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)      | 71                       |             |                           |             | 10-112                         |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,07-08,11-15,17-18,21-30 Batch: WG1636027-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)                                                                                                      | 89               |      | -                 |      | 71-135              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)                                                                                                    | 87               |      | -                 |      | 69-132              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                                | 85               |      | -                 |      | 72-128              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)                                                                                                     | 88               |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)                                                                                                    | 87               |      | -                 |      | 71-131              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                               | 98               |      | -                 |      | 67-130              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)                                                                                                      | 85               |      | -                 |      | 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)                                                                                                      | 92               |      | -                 |      | 72-129              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                                | 93               |      | -                 |      | 68-136              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)                                                                                                      | 86               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                                  | 105              |      | -                 |      | 65-137              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                                          | 102              |      | -                 |      | 63-144              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)                                                                                                   | 91               |      | -                 |      | 64-136              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                                | 85               |      | -                 |      | 59-134              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)                                                                                                  | 94               |      | -                 |      | 67-137              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                                           | 98               |      | -                 |      | 61-139              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)                                                                                                   | 91               |      | -                 |      | 69-135              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)                                                                                                 | 97               |      | -                 |      | 66-139              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)                                                                                                 | 86               |      | -                 |      | 69-133              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,07-08,11-15,17-18,21-30 Batch: WG1636027-2 |                  |      |                   |      |                     |     |      |               |

| Surrogate (Extracted Internal Standard)                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------------------------------------------|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 87               |      |                   |      | 61-135                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 93               |      |                   |      | 58-150                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 89               |      |                   |      | 74-139                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 86               |      |                   |      | 66-128                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 88               |      |                   |      | 71-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 91               |      |                   |      | 78-139                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 90               |      |                   |      | 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)                            | 89               |      |                   |      | 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) | 52               |      |                   |      | 31-134                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 91               |      |                   |      | 61-155                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 18               |      |                   |      | 10-117                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 56               |      |                   |      | 34-137                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 85               |      |                   |      | 54-150                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 66               |      |                   |      | 24-159                 |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| Parameter                                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,07-08,11-15,17-18,21-30 Batch: WG1636027-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorooctanesulfonamide (FOSA)                                                                                                  | 103              |      | -                 |      | 67-137              | -   |      | 30            |

| Surrogate (Extracted Internal Standard)   | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-------------------------------------------|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 114              |      |                   |      | 10-117                 |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-37 Batch: WG1636273-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)                                                                                 | 90               |      | -                 |      | 71-135              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)                                                                               | 89               |      | -                 |      | 69-132              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)                                                                           | 89               |      | -                 |      | 72-128              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)                                                                                | 86               |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)                                                                               | 88               |      | -                 |      | 71-131              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                          | 100              |      | -                 |      | 67-130              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)                                                                                 | 86               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                             | 92               |      | -                 |      | 64-140              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                         | 93               |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)                                                                                 | 95               |      | -                 |      | 72-129              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)                                                                           | 93               |      | -                 |      | 68-136              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)                                                                                 | 86               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                             | 113              |      | -                 |      | 65-137              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                     | 92               |      | -                 |      | 63-144              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)                                                                              | 92               |      | -                 |      | 64-136              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)                                                                           | 87               |      | -                 |      | 59-134              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)                                                                             | 89               |      | -                 |      | 67-137              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                      | 96               |      | -                 |      | 61-139              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)                                                                              | 93               |      | -                 |      | 69-135              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)                                                                            | 100              |      | -                 |      | 66-139              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)                                                                            | 92               |      | -                 |      | 69-133              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-37 Batch: WG1636273-2 |                  |      |                   |      |                     |     |      |               |

| Surrogate (Extracted Internal Standard)                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------------------------------------------|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 79               |      |                   |      | 61-135                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 82               |      |                   |      | 58-150                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 80               |      |                   |      | 74-139                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 78               |      |                   |      | 66-128                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 78               |      |                   |      | 71-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 81               |      |                   |      | 78-139                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 80               |      |                   |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 63               |      |                   |      | 20-154                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 78               |      |                   |      | 72-140                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 79               |      |                   |      | 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)         | 59               |      |                   |      | 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)                | 79               |      |                   |      | 61-155                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 87               |      |                   |      | 10-117                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 45               |      |                   |      | 34-137                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 71               |      |                   |      | 54-150                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 53               |      |                   |      | 24-159                 |



# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Lab Number:** L2222691

**Project Number:** 508215230

**Report Date:** 05/20/22

| <b>Parameter</b>                                                                                              | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|---------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-37 Batch: WG1636273-2 |                          |             |                           |             |                             |            |             |                       |
| Perfluorooctanesulfonamide (FOSA)                                                                             | 110                      |             | -                         |             | 67-137                      | -          |             | 30                    |

| <b>Surrogate (Extracted Internal Standard)</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|------------------------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)      | 98                       |             |                           |             | 10-117                         |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 13,30 Batch: WG1636562-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)                                                                                                 | 90               |      | -                 |      | 67-148              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)                                                                                               | 89               |      | -                 |      | 63-161              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                           | 87               |      | -                 |      | 65-157              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)                                                                                                | 88               |      | -                 |      | 69-168              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)                                                                                               | 88               |      | -                 |      | 58-159              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                          | 103              |      | -                 |      | 69-177              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)                                                                                                 | 94               |      | -                 |      | 63-159              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                             | 91               |      | -                 |      | 49-187              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                                         | 101              |      | -                 |      | 61-179              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)                                                                                                 | 93               |      | -                 |      | 68-171              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                           | 105              |      | -                 |      | 52-151              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)                                                                                                 | 85               |      | -                 |      | 63-171              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                             | 101              |      | -                 |      | 56-173              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                                     | 99               |      | -                 |      | 60-166              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)                                                                                              | 101              |      | -                 |      | 60-153              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                           | 86               |      | -                 |      | 38-156              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)                                                                                             | 96               |      | -                 |      | 46-170              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                                      | 98               |      | -                 |      | 45-170              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)                                                                                              | 96               |      | -                 |      | 67-153              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)                                                                                            | 92               |      | -                 |      | 48-158              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)                                                                                            | 89               |      | -                 |      | 59-182              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 13,30 Batch: WG1636562-2

| Surrogate (Extracted Internal Standard)                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------------------------------------------|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 107              |      |                   |      | 58-132                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 127              |      |                   |      | 62-163                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 107              |      |                   |      | 70-131                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 88               |      |                   |      | 12-142                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 110              |      |                   |      | 57-129                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 110              |      |                   |      | 60-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 104              |      |                   |      | 71-134                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 104              |      |                   |      | 62-129                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 97               |      |                   |      | 14-147                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 102              |      |                   |      | 59-139                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 102              |      |                   |      | 69-131                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 101              |      |                   |      | 62-124                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 109              |      |                   |      | 10-162                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 82               |      |                   |      | 24-116                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 99               |      |                   |      | 55-137                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 63               |      |                   |      | 5-112                  |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 90               |      |                   |      | 27-126                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 93               |      |                   |      | 48-131                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 94               |      |                   |      | 22-136                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 21-23,25-30 Batch: WG1636568-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)                                                                                       | 99               |      | -                 |      | 71-135              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)                                                                                     | 100              |      | -                 |      | 69-132              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                 | 96               |      | -                 |      | 72-128              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)                                                                                      | 100              |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)                                                                                     | 99               |      | -                 |      | 71-131              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                | 113              |      | -                 |      | 67-130              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)                                                                                       | 106              |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                   | 100              |      | -                 |      | 64-140              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                               | 107              |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)                                                                                       | 103              |      | -                 |      | 72-129              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                 | 113              |      | -                 |      | 68-136              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)                                                                                       | 95               |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                   | 110              |      | -                 |      | 65-137              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                           | 117              |      | -                 |      | 63-144              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)                                                                                    | 109              |      | -                 |      | 64-136              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                 | 96               |      | -                 |      | 59-134              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)                                                                                   | 100              |      | -                 |      | 67-137              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                            | 110              |      | -                 |      | 61-139              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)                                                                                    | 106              |      | -                 |      | 69-135              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)                                                                                  | 113              |      | -                 |      | 66-139              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)                                                                                  | 106              |      | -                 |      | 69-133              | -   |      | 30            |

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 21-23,25-30 Batch: WG1636568-2 |                  |      |                   |      |                     |     |      |               |

| Surrogate (Extracted Internal Standard)                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------------------------------------------|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 77               |      |                   |      | 61-135                 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 80               |      |                   |      | 58-150                 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 80               |      |                   |      | 74-139                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 78               |      |                   |      | 66-128                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 78               |      |                   |      | 71-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 80               |      |                   |      | 78-139                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 76               |      |                   |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 67               |      |                   |      | 20-154                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 79               |      |                   |      | 72-140                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 79               |      |                   |      | 79-136                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 78               |      |                   |      | 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) | 50               |      |                   |      | 31-134                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 76               |      |                   |      | 61-155                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 7                | Q    |                   |      | 10-117                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 54               |      |                   |      | 34-137                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 74               |      |                   |      | 54-150                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 63               |      |                   |      | 24-159                 |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| <b>Parameter</b>                                                                                                    | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|---------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 21-23,25-30 Batch: WG1636568-2 |                          |             |                           |             |                             |            |             |                       |
| Perfluorooctanesulfonamide (FOSA)                                                                                   | 115                      |             | -                         |             | 67-137                      | -          |             | 30                    |

| <b>Surrogate (Extracted Internal Standard)</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|------------------------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)      | 75                       |             |                           |             | 10-117                         |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-32,34-37 Batch: WG1636990-2 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)                                                                                       | 96               |      | -                 |      | 71-135              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)                                                                                     | 96               |      | -                 |      | 69-132              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                 | 100              |      | -                 |      | 72-128              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)                                                                                      | 99               |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)                                                                                     | 97               |      | -                 |      | 71-131              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                | 106              |      | -                 |      | 67-130              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)                                                                                       | 100              |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                   | 101              |      | -                 |      | 64-140              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                               | 113              |      | -                 |      | 70-132              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)                                                                                       | 105              |      | -                 |      | 72-129              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                 | 112              |      | -                 |      | 68-136              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)                                                                                       | 102              |      | -                 |      | 69-133              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                   | 78               |      | -                 |      | 65-137              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                           | 88               |      | -                 |      | 63-144              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)                                                                                    | 88               |      | -                 |      | 64-136              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                 | 112              |      | -                 |      | 59-134              | -   |      | 30            |
| Perfluorooctanesulfonamide (FOSA)                                                                                   | 104              |      | -                 |      | 67-137              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                            | 90               |      | -                 |      | 61-139              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)                                                                                    | 101              |      | -                 |      | 69-135              | -   |      | 30            |
| Perfluorotridecanoic Acid (PFTrDA)                                                                                  | 138              |      | -                 |      | 66-139              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTA)                                                                                  | 120              |      | -                 |      | 69-133              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-32,34-37 Batch: WG1636990-2 |                  |      |                   |      |                     |     |      |               |

| Surrogate (Extracted Internal Standard)                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>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)                      | 86               |      |                   |      | 74-139                 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 90               |      |                   |      | 66-128                 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 92               |      |                   |      | 71-129                 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 96               |      |                   |      | 78-139                 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 92               |      |                   |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 59               |      |                   |      | 20-154                 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 89               |      |                   |      | 72-140                 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 88               |      |                   |      | 79-136                 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 95               |      |                   |      | 75-130                 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 63               |      |                   |      | 19-175                 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 85               |      |                   |      | 31-134                 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 109              |      |                   |      | 61-155                 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 57               |      |                   |      | 10-117                 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 74               |      |                   |      | 34-137                 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 109              |      |                   |      | 54-150                 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 80               |      |                   |      | 24-159                 |



# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Lab Number:** L2222691

**Project Number:** 508215230

**Report Date:** 05/20/22

| <b>Parameter</b>                                                                                                    | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|---------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-32,34-37 Batch: WG1636990-2 |                          |             |                           |             |                             |            |             |                       |
| Perfluorooctanesulfonamide (FOSA)                                                                                   | 119                      |             | -                         |             | 67-137                      | -          |             | 30                    |

| <b>Surrogate (Extracted Internal Standard)</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|------------------------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)      | 94                       |             |                           |             | 10-117                         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| 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): 01-20 QC Batch ID: WG1634686-3 QC Sample: L2222691-01 Client ID: SB-1 |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)                                                                                                                              | ND            | 5.37     | 4.80     | 89           |      | -         | -             |      | 71-135          | -   |      | 30         |
| Perfluoropentanoic Acid (PFPeA)                                                                                                                            | ND            | 5.37     | 4.86     | 91           |      | -         | -             |      | 69-132          | -   |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                                                        | ND            | 4.76     | 4.61     | 97           |      | -         | -             |      | 72-128          | -   |      | 30         |
| Perfluorohexanoic Acid (PFHxA)                                                                                                                             | ND            | 5.37     | 4.88     | 91           |      | -         | -             |      | 70-132          | -   |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)                                                                                                                            | ND            | 5.37     | 4.88     | 91           |      | -         | -             |      | 71-131          | -   |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                                                       | ND            | 4.9      | 4.64     | 95           |      | -         | -             |      | 67-130          | -   |      | 30         |
| Perfluorooctanoic Acid (PFOA)                                                                                                                              | ND            | 5.37     | 4.83     | 90           |      | -         | -             |      | 69-133          | -   |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                                                          | ND            | 5.11     | 4.34     | 85           |      | -         | -             |      | 64-140          | -   |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                                                                      | ND            | 5.12     | 5.16     | 101          |      | -         | -             |      | 70-132          | -   |      | 30         |
| Perfluorononanoic Acid (PFNA)                                                                                                                              | ND            | 5.37     | 4.88     | 91           |      | -         | -             |      | 72-129          | -   |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                                                        | 0.267J        | 4.98     | 5.26     | 100          |      | -         | -             |      | 68-136          | -   |      | 30         |
| Perfluorodecanoic Acid (PFDA)                                                                                                                              | ND            | 5.37     | 4.63     | 86           |      | -         | -             |      | 69-133          | -   |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                                                          | ND            | 5.15     | 6.13     | 119          |      | -         | -             |      | 65-137          | -   |      | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                                                                  | ND            | 5.37     | 4.79     | 89           |      | -         | -             |      | 63-144          | -   |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)                                                                                                                           | ND            | 5.37     | 5.33     | 99           |      | -         | -             |      | 64-136          | -   |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                                                        | ND            | 5.18     | 4.21     | 81           |      | -         | -             |      | 59-134          | -   |      | 30         |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                                                                   | ND            | 5.37     | 5.09F    | 95           |      | -         | -             |      | 61-139          | -   |      | 30         |
| Perfluorododecanoic Acid (PFDoA)                                                                                                                           | ND            | 5.37     | 5.34     | 100          |      | -         | -             |      | 69-135          | -   |      | 30         |

**Matrix Spike Analysis****Batch Quality Control****Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22

| <b>Parameter</b>                                               | <b>Native Sample</b> | <b>MS Added</b> | <b>MS Found</b> | <b>MS %Recovery</b> | <b>Qual</b> | <b>MSD Found</b> | <b>MSD %Recovery</b> | <b>Qual</b> | <b>Recovery Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD Limits</b> |
|----------------------------------------------------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| 1                                                              |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |

Associated sample(s): 01-20

QC Batch ID: WG1634686-3

QC Sample: L2222691-01

Client ID: SB-

| <b>Surrogate (Extracted Internal Standard)</b>                         | <b>MS % Recovery</b> | <b>MS Qualifier</b> | <b>MSD % Recovery</b> | <b>MSD Qualifier</b> | <b>Acceptance Criteria</b> |
|------------------------------------------------------------------------|----------------------|---------------------|-----------------------|----------------------|----------------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 32                   |                     |                       |                      | 19-175                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 41                   |                     |                       |                      | 20-154                     |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 18                   | Q                   |                       |                      | 34-137                     |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 24                   | Q                   |                       |                      | 31-134                     |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 61                   |                     |                       |                      | 61-155                     |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 69                   | Q                   |                       |                      | 75-130                     |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 66                   |                     |                       |                      | 66-128                     |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 66                   | Q                   |                       |                      | 71-129                     |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 72                   | Q                   |                       |                      | 78-139                     |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 45                   | Q                   |                       |                      | 54-150                     |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 12                   | Q                   |                       |                      | 24-159                     |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 65                   |                     |                       |                      | 61-135                     |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 66                   |                     |                       |                      | 58-150                     |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 67                   | Q                   |                       |                      | 79-136                     |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 70                   | Q                   |                       |                      | 75-130                     |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 70                   | Q                   |                       |                      | 72-140                     |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 66                   | Q                   |                       |                      | 74-139                     |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| 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): 38 QC Batch ID: WG1635192-3 WG1635192-4 QC Sample: L2222134-14 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)                                                                                                                                            | 2.29          | 36.7     | 36.2     | 92           |      | 36.5      | 93            |      | 67-148          | 1   |      | 30         |
| Perfluoropentanoic Acid (PFPeA)                                                                                                                                          | 4.02          | 36.7     | 37.9     | 92           |      | 38.6      | 94            |      | 63-161          | 2   |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                                                                      | 6.38          | 32.6     | 35.6     | 90           |      | 37.8      | 96            |      | 65-157          | 6   |      | 30         |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)                                                                                                                        | ND            | 34.4     | 35.2     | 102          |      | 34.7      | 101           |      | 37-219          | 1   |      | 30         |
| Perfluorohexanoic Acid (PFHxA)                                                                                                                                           | 3.58          | 36.7     | 36.7     | 90           |      | 37.7      | 93            |      | 69-168          | 3   |      | 30         |
| Perfluoropentanesulfonic Acid (PFPeS)                                                                                                                                    | ND            | 34.6     | 33.9     | 98           |      | 33.0      | 95            |      | 52-156          | 3   |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)                                                                                                                                          | 3.14          | 36.7     | 38.1     | 95           |      | 37.9      | 94            |      | 58-159          | 1   |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                                                                     | 0.849JF       | 33.6     | 36.9     | 107          |      | 36.5      | 106           |      | 69-177          | 1   |      | 30         |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                            | 7.22          | 36.7     | 44.2     | 101          |      | 40.5      | 90            |      | 63-159          | 9   |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                                                                        | ND            | 34.9     | 33.4     | 96           |      | 34.3      | 98            |      | 49-187          | 3   |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                                                                                    | ND            | 35       | 35.8     | 102          |      | 35.4      | 101           |      | 61-179          | 1   |      | 30         |
| Perfluorononanoic Acid (PFNA)                                                                                                                                            | 1.32J         | 36.7     | 37.9     | 100          |      | 36.3      | 95            |      | 68-171          | 4   |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                                                                      | 8.62          | 34.1     | 43.3     | 102          |      | 43.0      | 101           |      | 52-151          | 1   |      | 30         |
| Perfluorodecanoic Acid (PFDA)                                                                                                                                            | 0.387JF       | 36.7     | 35.7     | 96           |      | 33.7      | 90            |      | 63-171          | 6   |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                                                                        | ND            | 35.2     | 36.1     | 102          |      | 39.4      | 112           |      | 56-173          | 9   |      | 30         |
| Perfluorononanesulfonic Acid (PFNS)                                                                                                                                      | ND            | 35.3     | 36.6     | 104          |      | 36.1      | 102           |      | 48-150          | 1   |      | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                                                                                | ND            | 36.7     | 43.0     | 117          |      | 37.2      | 101           |      | 60-166          | 14  |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)                                                                                                                                         | ND            | 36.7     | 37.6     | 102          |      | 37.2      | 101           |      | 60-153          | 1   |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                                                                      | ND            | 35.4     | 31.1     | 88           |      | 29.4      | 83            |      | 38-156          | 6   |      | 30         |
| Perfluorooctanesulfonamide (FOSA)                                                                                                                                        | ND            | 36.7     | 35.7     | 97           |      | 37.0F     | 101           |      | 46-170          | 4   |      | 30         |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                                                                                 | ND            | 36.7     | 40.4     | 110          |      | 36.1      | 98            |      | 45-170          | 11  |      | 30         |
| Perfluorododecanoic Acid (PFDoA)                                                                                                                                         | ND            | 36.7     | 36.6     | 100          |      | 32.2      | 88            |      | 67-153          | 13  |      | 30         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| 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): 38 QC Batch ID: WG1635192-3 WG1635192-4 QC Sample: L2222134-14 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorotridecanoic Acid (PFTrDA)                                                                                                                                       | ND            | 36.7     | 35.2     | 96           |      | 32.4      | 88            |      | 48-158          | 8   |      | 30         |
| Perfluorotetradecanoic Acid (PFTA)                                                                                                                                       | ND            | 36.7     | 36.9     | 101          |      | 36.5      | 99            |      | 59-182          | 1   |      | 30         |

| Surrogate (Extracted Internal Standard)                                | MS % Recovery | Qualifier | MSD % Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|---------------|-----------|----------------|-----------|---------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 105           |           | 95             |           | 10-162              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 161           | Q         | 157            | Q         | 12-142              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 168           | Q         | 159            | Q         | 14-147              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 52            |           | 60             |           | 27-126              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 51            |           | 61             |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 78            |           | 79             |           | 55-137              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 78            |           | 79             |           | 62-124              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 65            |           | 65             |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 63            |           | 65             |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 85            |           | 83             |           | 71-134              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 69            |           | 77             |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 66            |           | 70             |           | 22-136              |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 81            |           | 81             |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 98            |           | 98             |           | 62-163              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 12            |           | 8              | Q         | 10-112              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 86            |           | 83             |           | 69-131              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 76            |           | 82             |           | 62-129              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 80            |           | 80             |           | 59-139              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 86            |           | 79             |           | 70-131              |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| 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): 01,07-08,11-15,17-18,21-30 QC Batch ID: WG1636027-3 QC Sample: L2222691-21 Client ID: SB-16 |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)                                                                                                                                                    | 0.034J        | 4.91     | 4.26     | 86           | -    | -         | -             | -    | 71-135          | -   | -    | 30         |
| Perfluoropentanoic Acid (PFPeA)                                                                                                                                                  | ND            | 4.91     | 4.25     | 87           | -    | -         | -             | -    | 69-132          | -   | -    | 30         |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                                                                              | ND            | 4.36     | 3.69     | 85           | -    | -         | -             | -    | 72-128          | -   | -    | 30         |
| Perfluorohexanoic Acid (PFHxA)                                                                                                                                                   | ND            | 4.91     | 4.19     | 85           | -    | -         | -             | -    | 70-132          | -   | -    | 30         |
| Perfluoroheptanoic Acid (PFHpA)                                                                                                                                                  | ND            | 4.91     | 4.33     | 88           | -    | -         | -             | -    | 71-131          | -   | -    | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                                                                             | ND            | 4.49     | 4.26     | 95           | -    | -         | -             | -    | 67-130          | -   | -    | 30         |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                                    | ND            | 4.91     | 4.41     | 90           | -    | -         | -             | -    | 69-133          | -   | -    | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                                                                                | ND            | 4.68     | 4.17     | 89           | -    | -         | -             | -    | 64-140          | -   | -    | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                                                                                            | ND            | 4.69     | 4.45     | 95           | -    | -         | -             | -    | 70-132          | -   | -    | 30         |
| Perfluorononanoic Acid (PFNA)                                                                                                                                                    | ND            | 4.91     | 4.36     | 89           | -    | -         | -             | -    | 72-129          | -   | -    | 30         |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                                                                              | ND            | 4.56     | 4.10     | 90           | -    | -         | -             | -    | 68-136          | -   | -    | 30         |
| Perfluorodecanoic Acid (PFDA)                                                                                                                                                    | ND            | 4.91     | 4.32     | 88           | -    | -         | -             | -    | 69-133          | -   | -    | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                                                                                | ND            | 4.72     | 4.42     | 94           | -    | -         | -             | -    | 65-137          | -   | -    | 30         |
| Perfluoroundecanoic Acid (PFUnA)                                                                                                                                                 | ND            | 4.91     | 4.23     | 86           | -    | -         | -             | -    | 64-136          | -   | -    | 30         |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                                                                              | ND            | 4.75     | 3.49     | 74           | -    | -         | -             | -    | 59-134          | -   | -    | 30         |
| Perfluorododecanoic Acid (PFDoA)                                                                                                                                                 | ND            | 4.91     | 4.23     | 86           | -    | -         | -             | -    | 69-135          | -   | -    | 30         |
| Perfluorotridecanoic Acid (PFTrDA)                                                                                                                                               | ND            | 4.91     | 4.90     | 100          | -    | -         | -             | -    | 66-139          | -   | -    | 30         |
| Perfluorotetradecanoic Acid (PFTA)                                                                                                                                               | 0.080JF       | 4.91     | 5.10     | 102          | -    | -         | -             | -    | 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]Octanesulfonic Acid (M2-6:2FTS) | 45            |              |                |               | 20-154              |

**Matrix Spike Analysis****Batch Quality Control****Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22

| 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): 01,07-08,11-15,17-18,21-30 QC Batch ID: WG1636027-3 QC Sample: L2222691-21 Client ID: SB-16 |               |          |          |              |      |           |               |      |                 |     |      |            |

| Surrogate (Extracted Internal Standard)                                | MS         |           | MSD        |           | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|------------|-----------|---------------------|
|                                                                        | % Recovery | Qualifier | % Recovery | Qualifier |                     |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 7          | Q         |            |           | 34-137              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 6          | Q         |            |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 59         | Q         |            |           | 61-155              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 58         | Q         |            |           | 75-130              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 59         | Q         |            |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 59         | Q         |            |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 64         | Q         |            |           | 78-139              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 49         | Q         |            |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 12         | Q         |            |           | 24-159              |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 60         | Q         |            |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 64         |           |            |           | 58-150              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 60         | Q         |            |           | 79-136              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 60         | Q         |            |           | 75-130              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 61         | Q         |            |           | 72-140              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 63         | Q         |            |           | 74-139              |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| 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): 31-37 QC Batch ID: WG1636273-3 QC Sample: L2222075-01 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)                                                                                                                                   | ND            | 4.99     | 4.39     | 88           |      | -         | -             |      | 71-135          | -   |      | 30         |
| Perfluoropentanoic Acid (PFPeA)                                                                                                                                 | ND            | 4.99     | 4.41     | 88           |      | -         | -             |      | 69-132          | -   |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                                                             | ND            | 4.43     | 3.77     | 85           |      | -         | -             |      | 72-128          | -   |      | 30         |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)                                                                                                               | ND            | 4.68     | 4.33     | 93           |      | -         | -             |      | 62-145          | -   |      | 30         |
| Perfluorohexanoic Acid (PFHxA)                                                                                                                                  | ND            | 4.99     | 4.39     | 88           |      | -         | -             |      | 70-132          | -   |      | 30         |
| Perfluoropentanesulfonic Acid (PFPeS)                                                                                                                           | ND            | 4.7      | 4.11     | 87           |      | -         | -             |      | 73-123          | -   |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)                                                                                                                                 | ND            | 4.99     | 4.35     | 87           |      | -         | -             |      | 71-131          | -   |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                                                            | ND            | 4.56     | 4.44     | 97           |      | -         | -             |      | 67-130          | -   |      | 30         |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                   | 0.072J        | 4.99     | 4.28     | 84           |      | -         | -             |      | 69-133          | -   |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                                                               | ND            | 4.75     | 4.38     | 92           |      | -         | -             |      | 64-140          | -   |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                                                                           | ND            | 4.76     | 4.16     | 87           |      | -         | -             |      | 70-132          | -   |      | 30         |
| Perfluorononanoic Acid (PFNA)                                                                                                                                   | ND            | 4.99     | 4.28     | 86           |      | -         | -             |      | 72-129          | -   |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                                                             | 0.230J        | 4.63     | 4.29     | 88           |      | -         | -             |      | 68-136          | -   |      | 30         |
| Perfluorodecanoic Acid (PFDA)                                                                                                                                   | ND            | 4.99     | 4.36     | 87           |      | -         | -             |      | 69-133          | -   |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                                                               | ND            | 4.79     | 5.20     | 109          |      | -         | -             |      | 65-137          | -   |      | 30         |
| Perfluorononanesulfonic Acid (PFNS)                                                                                                                             | ND            | 4.8      | 4.51     | 94           |      | -         | -             |      | 69-125          | -   |      | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                                                                       | ND            | 4.99     | 4.81     | 96           |      | -         | -             |      | 63-144          | -   |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)                                                                                                                                | ND            | 4.99     | 4.60     | 92           |      | -         | -             |      | 64-136          | -   |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                                                             | ND            | 4.82     | 3.57     | 74           |      | -         | -             |      | 59-134          | -   |      | 30         |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                                                                        | ND            | 4.99     | 4.58     | 92           |      | -         | -             |      | 61-139          | -   |      | 30         |
| Perfluorododecanoic Acid (PFDoA)                                                                                                                                | ND            | 4.99     | 4.53     | 91           |      | -         | -             |      | 69-135          | -   |      | 30         |
| Perfluorotridecanoic Acid (PFTTrDA)                                                                                                                             | ND            | 4.99     | 5.11     | 102          |      | -         | -             |      | 66-139          | -   |      | 30         |



# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| 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): 31-37 QC Batch ID: WG1636273-3 QC Sample: L2222075-01 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorotetradecanoic Acid (PFTA)                                                                                                                              | ND            | 4.99     | 4.97     | 100          |      | -         | -             |      | 69-133          | -   |      | 30         |

| Surrogate (Extracted Internal Standard)                                | MS         |           | MSD        |           | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|------------|-----------|---------------------|
|                                                                        | % Recovery | Qualifier | % Recovery | Qualifier |                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 58         |           |            |           | 19-175              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 56         |           |            |           | 14-167              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 59         |           |            |           | 20-154              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 34         |           |            |           | 34-137              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 33         |           |            |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 71         |           |            |           | 61-155              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 71         | Q         |            |           | 75-130              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 68         |           |            |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 72         |           |            |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 80         |           |            |           | 78-139              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 63         |           |            |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 22         | Q         |            |           | 24-159              |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 67         |           |            |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 71         |           |            |           | 58-150              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 81         |           |            |           | 79-136              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 74         | Q         |            |           | 75-130              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 78         |           |            |           | 72-140              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 79         |           |            |           | 74-139              |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                                                                  | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 13,30 QC Batch ID: WG1636562-3 QC Sample: L2222691-13 Client ID: SB-8 |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)                                                                                                                                              | ND            | 37.4     | 33.8     | 90           | -    | -         | -             | -    | 67-148          | -   | -    | 30         |
| Perfluoropentanoic Acid (PFPeA)                                                                                                                                            | 0.452J        | 37.4     | 33.4     | 88           | -    | -         | -             | -    | 63-161          | -   | -    | 30         |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                                                                        | ND            | 33.2     | 29.0     | 87           | -    | -         | -             | -    | 65-157          | -   | -    | 30         |
| Perfluorohexanoic Acid (PFHxA)                                                                                                                                             | 0.632J        | 37.4     | 33.5     | 88           | -    | -         | -             | -    | 69-168          | -   | -    | 30         |
| Perfluoroheptanoic Acid (PFHpA)                                                                                                                                            | ND            | 37.4     | 33.3     | 89           | -    | -         | -             | -    | 58-159          | -   | -    | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                                                                       | 1.39JF        | 34.2     | 37.0F    | 104          | -    | -         | -             | -    | 69-177          | -   | -    | 30         |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                              | 0.911J        | 37.4     | 35.8     | 93           | -    | -         | -             | -    | 63-159          | -   | -    | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                                                                          | ND            | 35.6     | 33.8     | 95           | -    | -         | -             | -    | 49-187          | -   | -    | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                                                                                      | ND            | 35.7     | 37.4     | 105          | -    | -         | -             | -    | 61-179          | -   | -    | 30         |
| Perfluorononanoic Acid (PFNA)                                                                                                                                              | ND            | 37.4     | 35.9     | 96           | -    | -         | -             | -    | 68-171          | -   | -    | 30         |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                                                                        | 36.0          | 34.7     | 73.8     | 109          | -    | -         | -             | -    | 52-151          | -   | -    | 30         |
| Perfluorodecanoic Acid (PFDA)                                                                                                                                              | ND            | 37.4     | 33.2     | 89           | -    | -         | -             | -    | 63-171          | -   | -    | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                                                                          | ND            | 35.9     | 33.3     | 93           | -    | -         | -             | -    | 56-173          | -   | -    | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                                                                                  | ND            | 37.4     | 36.6     | 98           | -    | -         | -             | -    | 60-166          | -   | -    | 30         |
| Perfluoroundecanoic Acid (PFUnA)                                                                                                                                           | ND            | 37.4     | 36.5     | 98           | -    | -         | -             | -    | 60-153          | -   | -    | 30         |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                                                                        | ND            | 36.1     | 32.4     | 90           | -    | -         | -             | -    | 38-156          | -   | -    | 30         |
| Perfluorooctanesulfonamide (FOSA)                                                                                                                                          | ND            | 37.4     | 34.2     | 92           | -    | -         | -             | -    | 46-170          | -   | -    | 30         |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                                                                                   | ND            | 37.4     | 36.3     | 97           | -    | -         | -             | -    | 45-170          | -   | -    | 30         |
| Perfluorododecanoic Acid (PFDoA)                                                                                                                                           | ND            | 37.4     | 35.6     | 95           | -    | -         | -             | -    | 67-153          | -   | -    | 30         |
| Perfluorotridecanoic Acid (PFTrDA)                                                                                                                                         | ND            | 37.4     | 37.1     | 99           | -    | -         | -             | -    | 48-158          | -   | -    | 30         |
| Perfluorotetradecanoic Acid (PFTA)                                                                                                                                         | ND            | 37.4     | 34.7     | 93           | -    | -         | -             | -    | 59-182          | -   | -    | 30         |

**Matrix Spike Analysis****Batch Quality Control****Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22

| <b>Parameter</b> | <b>Native Sample</b> | <b>MS Added</b> | <b>MS Found</b> | <b>MS %Recovery</b> | <b>Qual</b> | <b>MSD Found</b> | <b>MSD %Recovery</b> | <b>Qual</b> | <b>Recovery Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD Limits</b> |
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
|------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|

SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 13,30 QC Batch ID: WG1636562-3 QC Sample: L2222691-13 Client ID: SB-8

| <b>Surrogate (Extracted Internal Standard)</b>                         | <b>MS % Recovery</b> | <b>MS Qualifier</b> | <b>MSD % Recovery</b> | <b>MSD Qualifier</b> | <b>Acceptance Criteria</b> |
|------------------------------------------------------------------------|----------------------|---------------------|-----------------------|----------------------|----------------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 126                  |                     |                       |                      | 10-162                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 90                   |                     |                       |                      | 12-142                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 101                  |                     |                       |                      | 14-147                     |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 104                  |                     |                       |                      | 27-126                     |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 90                   |                     |                       |                      | 24-116                     |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 108                  |                     |                       |                      | 55-137                     |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 101                  |                     |                       |                      | 62-124                     |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 110                  |                     |                       |                      | 57-129                     |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 112                  |                     |                       |                      | 60-129                     |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 108                  |                     |                       |                      | 71-134                     |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 100                  |                     |                       |                      | 48-131                     |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 100                  |                     |                       |                      | 22-136                     |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 105                  |                     |                       |                      | 58-132                     |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 126                  |                     |                       |                      | 62-163                     |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 33                   |                     |                       |                      | 5-112                      |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 103                  |                     |                       |                      | 69-131                     |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 105                  |                     |                       |                      | 62-129                     |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 103                  |                     |                       |                      | 59-139                     |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 111                  |                     |                       |                      | 70-131                     |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| 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): 21-23,25-30 QC Batch ID: WG1636568-3 QC Sample: L2221913-01 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)                                                                                                                                         | 0.028J        | 5.35     | 4.91     | 91           | -    | -         | -             | -    | 71-135          | -   | -    | 30         |
| Perfluoropentanoic Acid (PFPeA)                                                                                                                                       | 0.053J        | 5.35     | 4.87     | 90           | -    | -         | -             | -    | 69-132          | -   | -    | 30         |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                                                                   | ND            | 4.75     | 4.11     | 87           | -    | -         | -             | -    | 72-128          | -   | -    | 30         |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)                                                                                                                     | ND            | 5.02     | 4.76     | 95           | -    | -         | -             | -    | 62-145          | -   | -    | 30         |
| Perfluorohexanoic Acid (PFHxA)                                                                                                                                        | ND            | 5.35     | 4.90     | 92           | -    | -         | -             | -    | 70-132          | -   | -    | 30         |
| Perfluoropentanesulfonic Acid (PFPeS)                                                                                                                                 | ND            | 5.04     | 4.58     | 91           | -    | -         | -             | -    | 73-123          | -   | -    | 30         |
| Perfluoroheptanoic Acid (PFHpA)                                                                                                                                       | ND            | 5.35     | 4.84     | 90           | -    | -         | -             | -    | 71-131          | -   | -    | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                                                                  | ND            | 4.89     | 4.95     | 101          | -    | -         | -             | -    | 67-130          | -   | -    | 30         |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                         | 0.050JF       | 5.35     | 4.95     | 92           | -    | -         | -             | -    | 69-133          | -   | -    | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                                                                     | ND            | 5.1      | 4.81     | 94           | -    | -         | -             | -    | 64-140          | -   | -    | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                                                                                 | ND            | 5.11     | 5.00     | 98           | -    | -         | -             | -    | 70-132          | -   | -    | 30         |
| Perfluorononanoic Acid (PFNA)                                                                                                                                         | ND            | 5.35     | 5.22     | 98           | -    | -         | -             | -    | 72-129          | -   | -    | 30         |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                                                                   | 0.585         | 4.97     | 5.54     | 100          | -    | -         | -             | -    | 68-136          | -   | -    | 30         |
| Perfluorodecanoic Acid (PFDA)                                                                                                                                         | ND            | 5.35     | 4.66     | 87           | -    | -         | -             | -    | 69-133          | -   | -    | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                                                                     | ND            | 5.14     | 5.25     | 102          | -    | -         | -             | -    | 65-137          | -   | -    | 30         |
| Perfluorononanesulfonic Acid (PFNS)                                                                                                                                   | ND            | 5.15     | 5.43     | 105          | -    | -         | -             | -    | 69-125          | -   | -    | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                                                                             | ND            | 5.35     | 5.06     | 95           | -    | -         | -             | -    | 63-144          | -   | -    | 30         |
| Perfluoroundecanoic Acid (PFUnA)                                                                                                                                      | ND            | 5.35     | 5.10     | 95           | -    | -         | -             | -    | 64-136          | -   | -    | 30         |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                                                                   | ND            | 5.17     | 4.45     | 86           | -    | -         | -             | -    | 59-134          | -   | -    | 30         |
| Perfluorooctanesulfonamide (FOSA)                                                                                                                                     | ND            | 5.35     | 5.17     | 97           | -    | -         | -             | -    | 67-137          | -   | -    | 30         |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                                                                              | ND            | 5.35     | 5.57     | 104          | -    | -         | -             | -    | 61-139          | -   | -    | 30         |
| Perfluorododecanoic Acid (PFDoA)                                                                                                                                      | ND            | 5.35     | 5.00     | 93           | -    | -         | -             | -    | 69-135          | -   | -    | 30         |

**Matrix Spike Analysis****Batch Quality Control****Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22

| <b>Parameter</b>                                                                                                                                                      | <b>Native Sample</b> | <b>MS Added</b> | <b>MS Found</b> | <b>MS %Recovery</b> | <b>Qual</b> | <b>MSD Found</b> | <b>MSD %Recovery</b> | <b>Qual</b> | <b>Recovery Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD Limits</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 21-23,25-30 QC Batch ID: WG1636568-3 QC Sample: L2221913-01 Client ID: MS Sample |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Perfluorotridecanoic Acid (PFTrDA)                                                                                                                                    | ND                   | 5.35            | 5.12            | 96                  |             | -                | -                    |             | 66-139                 | -          |             | 30                |
| Perfluorotetradecanoic Acid (PFTA)                                                                                                                                    | ND                   | 5.35            | 5.12            | 96                  |             | -                | -                    |             | 69-133                 | -          |             | 30                |

| <b>Surrogate (Extracted Internal Standard)</b>                         | <b>MS % Recovery</b> | <b>Qualifier</b> | <b>MSD % Recovery</b> | <b>Qualifier</b> | <b>Acceptance Criteria</b> |
|------------------------------------------------------------------------|----------------------|------------------|-----------------------|------------------|----------------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 90                   |                  |                       |                  | 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)         | 77                   |                  |                       |                  | 20-154                     |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 66                   |                  |                       |                  | 34-137                     |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 70                   |                  |                       |                  | 31-134                     |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 92                   |                  |                       |                  | 61-155                     |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 91                   |                  |                       |                  | 75-130                     |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 91                   |                  |                       |                  | 66-128                     |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 92                   |                  |                       |                  | 71-129                     |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 97                   |                  |                       |                  | 78-139                     |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 92                   |                  |                       |                  | 54-150                     |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 85                   |                  |                       |                  | 24-159                     |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 90                   |                  |                       |                  | 61-135                     |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 95                   |                  |                       |                  | 58-150                     |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 87                   |                  |                       |                  | 10-117                     |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 95                   |                  |                       |                  | 79-136                     |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 88                   |                  |                       |                  | 75-130                     |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 90                   |                  |                       |                  | 72-140                     |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 95                   |                  |                       |                  | 74-139                     |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| 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): 31-32,34-37 QC Batch ID: WG1636990-3 WG1636990-4 QC Sample: L2223093-27 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)                                                                                                                                                     | ND            | 5.18     | 4.66     | 90           |      | 4.83      | 95            |      | 71-135          | 4   |      | 30         |
| Perfluoropentanoic Acid (PFPeA)                                                                                                                                                   | ND            | 5.18     | 4.64     | 90           |      | 4.78      | 94            |      | 69-132          | 3   |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                                                                               | ND            | 4.6      | 4.27     | 93           |      | 4.53      | 100           |      | 72-128          | 6   |      | 30         |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)                                                                                                                                 | ND            | 4.86     | 4.42     | 91           |      | 4.41      | 92            |      | 62-145          | 0   |      | 30         |
| Perfluorohexanoic Acid (PFHxA)                                                                                                                                                    | ND            | 5.18     | 4.72     | 91           |      | 4.86      | 95            |      | 70-132          | 3   |      | 30         |
| Perfluoropentanesulfonic Acid (PFPeS)                                                                                                                                             | ND            | 4.88     | 4.54     | 93           |      | 4.44      | 92            |      | 73-123          | 2   |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)                                                                                                                                                   | ND            | 5.18     | 4.71     | 91           |      | 4.89      | 96            |      | 71-131          | 4   |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                                                                              | ND            | 4.74     | 4.69     | 99           |      | 4.86      | 104           |      | 67-130          | 4   |      | 30         |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                                     | ND            | 5.18     | 4.91     | 95           |      | 4.99      | 98            |      | 69-133          | 2   |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                                                                                 | ND            | 4.93     | 4.97     | 101          |      | 4.54      | 94            |      | 64-140          | 9   |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                                                                                             | ND            | 4.94     | 5.14     | 104          |      | 5.38      | 111           |      | 70-132          | 5   |      | 30         |
| Perfluorononanoic Acid (PFNA)                                                                                                                                                     | ND            | 5.18     | 5.20     | 100          |      | 5.55      | 109           |      | 72-129          | 7   |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                                                                               | ND            | 4.81     | 4.93     | 102          |      | 5.18      | 109           |      | 68-136          | 5   |      | 30         |
| Perfluorodecanoic Acid (PFDA)                                                                                                                                                     | ND            | 5.18     | 4.85     | 94           |      | 5.10      | 100           |      | 69-133          | 5   |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                                                                                 | ND            | 4.98     | 3.63     | 73           |      | 4.55      | 93            |      | 65-137          | 22  |      | 30         |
| Perfluorononanesulfonic Acid (PFNS)                                                                                                                                               | ND            | 4.99     | 5.05     | 101          |      | 5.09      | 104           |      | 69-125          | 1   |      | 30         |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                                                                                         | ND            | 5.18     | 4.69F    | 91           |      | 4.91F     | 96            |      | 63-144          | 5   |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)                                                                                                                                                  | ND            | 5.18     | 4.20     | 81           |      | 4.68      | 92            |      | 64-136          | 11  |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                                                                               | ND            | 5.01     | 5.17     | 103          |      | 5.05      | 102           |      | 59-134          | 2   |      | 30         |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                                                                                          | ND            | 5.18     | 3.95F    | 76           |      | 4.49F     | 88            |      | 61-139          | 13  |      | 30         |
| Perfluorododecanoic Acid (PFDoA)                                                                                                                                                  | ND            | 5.18     | 4.69     | 91           |      | 4.99      | 98            |      | 69-135          | 6   |      | 30         |
| Perfluorotridecanoic Acid (PFTTrDA)                                                                                                                                               | ND            | 5.18     | 7.03     | 136          |      | 7.72      | 151           | Q    | 66-139          | 9   |      | 30         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| 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): 31-32,34-37 QC Batch ID: WG1636990-3 WG1636990-4 QC Sample: L2223093-27 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorotetradecanoic Acid (PFTA)                                                                                                                                                | ND            | 5.18     | 5.68     | 110          |      | 6.18      | 121           |      | 69-133          | 8   |      | 30         |

| Surrogate (Extracted Internal Standard)                                | MS         |           | MSD        |           | Acceptance Criteria |
|------------------------------------------------------------------------|------------|-----------|------------|-----------|---------------------|
|                                                                        | % Recovery | Qualifier | % Recovery | Qualifier |                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 74         |           | 64         |           | 19-175              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 57         |           | 59         |           | 14-167              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 63         |           | 62         |           | 20-154              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 25         | Q         | 22         | Q         | 34-137              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 16         | Q         | 20         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 105        |           | 101        |           | 61-155              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 93         |           | 88         |           | 75-130              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 85         |           | 84         |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 88         |           | 86         |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 97         |           | 97         |           | 78-139              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 105        |           | 103        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 56         |           | 49         |           | 24-159              |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 82         |           | 81         |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 88         |           | 87         |           | 58-150              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 93         |           | 92         |           | 79-136              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 89         |           | 89         |           | 75-130              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 87         |           | 82         |           | 72-140              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 86         |           | 86         |           | 74-139              |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| 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): 31-32,34-37 QC Batch ID: WG1636990-5 WG1636990-6 QC Sample: L2224044-05 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Perfluorobutanoic Acid (PFBA)                                                                                                                                                     | ND            | 5.36     | 4.70     | 88           |      | 4.84      | 91            |      | 71-135          | 3   |      | 30         |
| Perfluoropentanoic Acid (PFPeA)                                                                                                                                                   | ND            | 5.36     | 4.77     | 89           |      | 4.90      | 92            |      | 69-132          | 3   |      | 30         |
| Perfluorobutanesulfonic Acid (PFBS)                                                                                                                                               | ND            | 4.76     | 4.59     | 96           |      | 4.76      | 100           |      | 72-128          | 4   |      | 30         |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)                                                                                                                                 | ND            | 5.03     | 4.27     | 85           |      | 4.33      | 87            |      | 62-145          | 1   |      | 30         |
| Perfluorohexanoic Acid (PFHxA)                                                                                                                                                    | ND            | 5.36     | 4.82     | 90           |      | 5.60      | 105           |      | 70-132          | 15  |      | 30         |
| Perfluoropentanesulfonic Acid (PFPeS)                                                                                                                                             | ND            | 5.05     | 4.49     | 89           |      | 4.73      | 94            |      | 73-123          | 5   |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)                                                                                                                                                   | ND            | 5.36     | 4.94     | 92           |      | 5.06      | 95            |      | 71-131          | 2   |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                                                                              | ND            | 4.9      | 4.98     | 102          |      | 5.25      | 108           |      | 67-130          | 5   |      | 30         |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                                     | ND            | 5.36     | 5.10     | 95           |      | 5.49      | 103           |      | 69-133          | 7   |      | 30         |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                                                                                                 | ND            | 5.1      | 5.27     | 103          |      | 5.16      | 102           |      | 64-140          | 2   |      | 30         |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                                                                                             | ND            | 5.11     | 5.51     | 108          |      | 5.70      | 112           |      | 70-132          | 3   |      | 30         |
| Perfluorononanoic Acid (PFNA)                                                                                                                                                     | ND            | 5.36     | 5.73     | 107          |      | 5.98      | 112           |      | 72-129          | 4   |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                                                                               | ND            | 4.97     | 5.06     | 102          |      | 5.46      | 110           |      | 68-136          | 8   |      | 30         |
| Perfluorodecanoic Acid (PFDA)                                                                                                                                                     | ND            | 5.36     | 5.28     | 99           |      | 5.51      | 103           |      | 69-133          | 4   |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                                                                                 | ND            | 5.14     | 4.14     | 81           |      | 4.20      | 82            |      | 65-137          | 1   |      | 30         |
| Perfluorononanesulfonic Acid (PFNS)                                                                                                                                               | ND            | 5.16     | 5.32     | 103          |      | 5.60      | 109           |      | 69-125          | 5   |      | 30         |
| Perfluoroundecanoic Acid (PFUnA)                                                                                                                                                  | ND            | 5.36     | 4.48     | 84           |      | 4.58      | 86            |      | 64-136          | 2   |      | 30         |
| Perfluorodecanesulfonic Acid (PFDS)                                                                                                                                               | ND            | 5.18     | 5.80     | 112          |      | 5.44      | 106           |      | 59-134          | 6   |      | 30         |
| Perfluorododecanoic Acid (PFDoA)                                                                                                                                                  | ND            | 5.36     | 5.08     | 95           |      | 5.09      | 95            |      | 69-135          | 0   |      | 30         |
| Perfluorotridecanoic Acid (PFTTrDA)                                                                                                                                               | ND            | 5.36     | 5.96     | 111          |      | 6.56      | 123           |      | 66-139          | 10  |      | 30         |
| Perfluorotetradecanoic Acid (PFTA)                                                                                                                                                | ND            | 5.36     | 5.78     | 108          |      | 6.05      | 113           |      | 69-133          | 5   |      | 30         |



**Matrix Spike Analysis****Batch Quality Control****Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22

| <b>Parameter</b>                                                                                                                                                                  | <b>Native Sample</b> | <b>MS Added</b> | <b>MS Found</b> | <b>MS %Recovery</b> | <b>Qual</b> | <b>MSD Found</b> | <b>MSD %Recovery</b> | <b>Qual</b> | <b>Recovery Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD Limits</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-32,34-37 QC Batch ID: WG1636990-5 WG1636990-6 QC Sample: L2224044-05 Client ID: MS Sample |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |

| <b>Surrogate (Extracted Internal Standard)</b>                         | <b>MS % Recovery</b> | <b>MS Qualifier</b> | <b>MSD % Recovery</b> | <b>MSD Qualifier</b> | <b>Acceptance Criteria</b> |
|------------------------------------------------------------------------|----------------------|---------------------|-----------------------|----------------------|----------------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 72                   |                     | 75                    |                      | 19-175                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 62                   |                     | 60                    |                      | 14-167                     |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 64                   |                     | 68                    |                      | 20-154                     |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | <b>9</b>             | Q                   | <b>9</b>              | Q                    | 34-137                     |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | <b>8</b>             | Q                   | <b>5</b>              | Q                    | 31-134                     |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | <b>47</b>            | Q                   | <b>40</b>             | Q                    | 61-155                     |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | <b>30</b>            | Q                   | <b>25</b>             | Q                    | 75-130                     |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | <b>16</b>            | Q                   | <b>13</b>             | Q                    | 66-128                     |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | <b>15</b>            | Q                   | <b>14</b>             | Q                    | 71-129                     |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 102                  |                     | 99                    |                      | 78-139                     |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 59                   |                     | <b>52</b>             | Q                    | 54-150                     |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 65                   |                     | 59                    |                      | 24-159                     |
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | <b>17</b>            | Q                   | <b>14</b>             | Q                    | 61-135                     |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | <b>18</b>            | Q                   | <b>15</b>             | Q                    | 58-150                     |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 95                   |                     | 95                    |                      | 79-136                     |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | <b>17</b>            | Q                   | <b>15</b>             | Q                    | 75-130                     |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | <b>20</b>            | Q                   | <b>17</b>             | Q                    | 72-140                     |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 90                   |                     | 89                    |                      | 74-139                     |

**Matrix Spike Analysis****Batch Quality Control****Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22

| <b>Parameter</b>                                                                                                                                                                  | <b>Native Sample</b> | <b>MS Added</b> | <b>MS Found</b> | <b>MS %Recovery</b> | <b>Qual</b> | <b>MSD Found</b> | <b>MSD %Recovery</b> | <b>Qual</b> | <b>Recovery Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD Limits</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-32,34-37 QC Batch ID: WG1636990-5 WG1636990-6 QC Sample: L2224044-05 Client ID: MS Sample |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |
| Perfluorooctanesulfonamide (FOSA)                                                                                                                                                 | ND                   | 5.36            | 6.08            | 113                 |             | 6.06             | 114                  |             | 67-137                 | 0          |             | 30                |

| <b>Surrogate (Extracted Internal Standard)</b> | <b>MS % Recovery</b> | <b>Qualifier</b> | <b>MSD % Recovery</b> | <b>Qualifier</b> | <b>Acceptance Criteria</b> |
|------------------------------------------------|----------------------|------------------|-----------------------|------------------|----------------------------|
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)      | 91                   |                  | 90                    |                  | 10-117                     |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| Parameter                                                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1634686-4 QC Sample: L2222691-02 Client ID: SB-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)                                                                                                                       | 0.347F        | 0.409F           | ng/g  | 16  |      | 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)                                                                                                                        | 0.245J        | 0.192J           | 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 AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                                                  | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1634686-4 QC Sample: L2222691-02 Client ID: SB-2 |               |                  |       |     |      |            |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|-----------|-----------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 91        |           | 91        |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 94        |           | 92        |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 85        |           | 86        |           | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 89        |           | 91        |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 89        |           | 88        |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 91        |           | 90        |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 95        |           | 95        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 51        |           | 51        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 98        |           | 97        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 93        |           | 92        |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 97        |           | 95        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 49        |           | 56        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 52        |           | 62        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 90        |           | 88        |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 59        |           | 57        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 83        |           | 81        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 63        |           | 60        |           | 24-159              |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| Parameter                                                                                                                                                                        | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,07-08,11-15,17-18,21-30 QC Batch ID: WG1636027-4 QC Sample: L2222691-22 Client ID: SB-17 |               |                  |       |     |      |            |
| 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         |
| 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 |
|-----------------------------------------|-----------|-----------|-----------|-----------|---------------------|
|-----------------------------------------|-----------|-----------|-----------|-----------|---------------------|

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| Parameter                                                                                                                                                                        | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,07-08,11-15,17-18,21-30 QC Batch ID: WG1636027-4 QC Sample: L2222691-22 Client ID: SB-17 |               |                  |       |     |      |            |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|-----------|-----------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 57        | Q         | 52        | Q         | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 60        |           | 55        | Q         | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 59        | Q         | 58        | Q         | 74-139              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 57        | Q         | 50        | Q         | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 59        | Q         | 52        | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 60        | Q         | 59        | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 58        | Q         | 50        | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 36        |           | 35        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 60        | Q         | 56        | Q         | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 54        | Q         | 55        | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 57        | Q         | 52        | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 37        |           | 32        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 5         | Q         | 5         | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 53        | Q         | 50        | Q         | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 4         | Q         | 3         | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 47        | Q         | 41        | Q         | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 16        | Q         | 13        | Q         | 24-159              |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                                                        | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-37 QC Batch ID: WG1636273-4 QC Sample: L2222075-02 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)                                                                                                                                    | 0.122J        | 0.085JF          | 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         |
| 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 AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                                                        | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-37 QC Batch ID: WG1636273-4 QC Sample: L2222075-02 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)                                   | 85        |           | 85        |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 91        |           | 89        |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 82        |           | 85        |           | 74-139              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 57        |           | 59        |           | 14-167              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 83        |           | 85        |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 86        |           | 85        |           | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 83        |           | 87        |           | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 87        |           | 86        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 61        |           | 63        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 92        |           | 91        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 79        |           | 88        |           | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 89        |           | 84        |           | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 70        |           | 81        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 51        |           | 49        |           | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 88        |           | 89        |           | 61-155              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 76        |           | 86        |           | 10-117              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 51        |           | 54        |           | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 80        |           | 83        |           | 54-150              |



**Lab Duplicate Analysis**

Batch Quality Control

Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                                                                        | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 31-37 QC Batch ID: WG1636273-4 QC Sample: L2222075-02 Client ID: DUP Sample |               |                  |       |     |      |            |

| Surrogate (Extracted Internal Standard)          | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|--------------------------------------------------|-----------|-----------|-----------|-----------|---------------------|
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 60        |           | 68        |           | 24-159              |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                                                                   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 13,30 QC Batch ID: WG1636562-4 QC Sample: L2222691-30 Client ID: SB-24 |               |                  |       |     |      |            |
| 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)                                                                                                                                              | 0.410J        | 0.436J           | ng/l  | NC  |      | 30         |
| Perfluoroheptanoic Acid (PFHpA)                                                                                                                                             | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                                                                                        | ND            | ND               | ng/l  | NC  |      | 30         |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                               | ND            | 0.279JF          | 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)                                                                                                                                         | 1.84J         | 1.98             | ng/l  | NC  |      | 30         |
| Perfluorodecanoic Acid (PFDA)                                                                                                                                               | ND            | ND               | ng/l  | NC  |      | 30         |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                                                                                           | 3.02          | 1.83             | ng/l  | 49  | Q    | 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: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                                                                                   | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| SPLP Perfluorinated Alkyl Acids by Isotope Dilution & EPA 1312 - Mansfield Lab Associated sample(s): 13,30 QC Batch ID: WG1636562-4 QC Sample: L2222691-30 Client ID: SB-24 |               |                  |       |     |      |            |
| Perfluorotetradecanoic Acid (PFTA)                                                                                                                                          | ND            | ND               | ng/l  | NC  |      | 30         |

| Surrogate (Extracted Internal Standard)                                | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|------------------------------------------------------------------------|-----------|-----------|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA)                                   | 106       |           | 84        |           | 58-132              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 127       |           | 103       |           | 62-163              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 114       |           | 102       |           | 70-131              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 91        |           | 81        |           | 12-142              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 107       |           | 86        |           | 57-129              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 111       |           | 89        |           | 60-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 115       |           | 106       |           | 71-134              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 103       |           | 91        |           | 62-129              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 99        |           | 87        |           | 14-147              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 105       |           | 93        |           | 59-139              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 110       |           | 100       |           | 69-131              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 104       |           | 100       |           | 62-124              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 111       |           | 106       |           | 10-162              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 91        |           | 71        |           | 24-116              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 107       |           | 97        |           | 55-137              |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA)                              | 21        |           | 27        |           | 5-112               |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 104       |           | 83        |           | 27-126              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 100       |           | 93        |           | 48-131              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 96        |           | 90        |           | 22-136              |

# **Lab Duplicate Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                                                                 | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 21-23,25-30 QC Batch ID: WG1636568-4 QC Sample: L2221913-02<br>Client ID: DUP Sample |               |                  |       |     |      |            |
| Perfluorobutanoic Acid (PFBA)                                                                                                                                             | 0.052J        | 0.079J           | ng/g  | NC  |      | 30         |
| Perfluoropentanoic Acid (PFPeA)                                                                                                                                           | 0.087J        | 0.147J           | 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)                                                                                                                                            | 0.156J        | 0.142J           | 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)                                                                                                                                             | 0.121JF       | 0.137J           | 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            | 0.111JF          | ng/g  | NC  |      | 30         |
| Perfluorooctanesulfonic Acid (PFOS)                                                                                                                                       | 0.478         | 0.690            | ng/g  | 36  | Q    | 30         |
| Perfluorodecanoic Acid (PFDA)                                                                                                                                             | ND            | 0.084JF          | 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 AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                                                                                 | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 21-23,25-30 QC Batch ID: WG1636568-4 QC Sample: L2221913-02<br>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)                                   | 74        |           | 65        |           | 61-135              |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA)                                | 80        |           | 71        |           | 58-150              |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)                      | 78        |           | <b>73</b> | Q         | 74-139              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)         | 59        |           | 51        |           | 14-167              |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)                       | 76        |           | 68        |           | 66-128              |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)                        | 79        |           | <b>69</b> | Q         | 71-129              |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)                     | 81        |           | <b>73</b> | Q         | 78-139              |
| Perfluoro[13C8]Octanoic Acid (M8PFOA)                                  | 76        |           | <b>69</b> | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)         | 63        |           | 58        |           | 20-154              |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA)                                  | 87        |           | 75        |           | 72-140              |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)                            | 79        |           | <b>68</b> | Q         | 79-136              |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)                      | 78        |           | <b>67</b> | Q         | 75-130              |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)         | 77        |           | 71        |           | 19-175              |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 31        |           | <b>27</b> | Q         | 31-134              |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)                | 76        |           | 70        |           | 61-155              |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)  | 35        |           | <b>29</b> | Q         | 34-137              |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)                            | 69        |           | 63        |           | 54-150              |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)                       | 24        |           | <b>15</b> | Q         | 24-159              |

# PCBS

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-02  
**Client ID:** SB-2  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 11:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 15:46  
**Analyst:** JM  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.3 | 3.23 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.3 | 3.64 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.3 | 7.70 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.3 | 4.90 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.3 | 5.45 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 36.3 | 3.98 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 36.3 | 6.72 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.3 | 4.62 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.3 | 3.76 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 36.3 | 3.23 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | A      |
| Decachlorobiphenyl           | 73         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | B      |
| Decachlorobiphenyl           | 70         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-03  
**Client ID:** SB-3 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 15:53  
**Analyst:** JM  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 35.1 | 3.12 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 35.1 | 3.52 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 35.1 | 7.45 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 35.1 | 4.74 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 35.1 | 5.27 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 35.1 | 3.84 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 35.1 | 6.49 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 35.1 | 4.46 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 35.1 | 3.64 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 35.1 | 3.12 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | A      |
| Decachlorobiphenyl           | 65         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 65         |           | 30-150              | B      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-04  
**Client ID:** SB-3  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 16:00  
**Analyst:** JM  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.0 | 3.20 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.0 | 3.61 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.0 | 7.63 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.0 | 4.85 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.0 | 5.40 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 36.0 | 3.94 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 36.0 | 6.65 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.0 | 4.57 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.0 | 3.73 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 36.0 | 3.20 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 54         |           | 30-150              | A      |
| Decachlorobiphenyl           | 55         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 55         |           | 30-150              | B      |
| Decachlorobiphenyl           | 54         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-05  
**Client ID:** SB-4 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 16:07  
**Analyst:** JM  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.6 | 3.25 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.6 | 3.67 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.6 | 7.77 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.6 | 4.94 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.6 | 5.50 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 36.6 | 4.01 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 36.6 | 6.77 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.6 | 4.65 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.6 | 3.80 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 36.6 | 3.25 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | A      |
| Decachlorobiphenyl           | 64         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | B      |
| Decachlorobiphenyl           | 64         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-06  
**Client ID:** SB-4  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 16:14  
**Analyst:** JM  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.3 | 3.23 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.3 | 3.64 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.3 | 7.70 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.3 | 4.90 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.3 | 5.45 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 36.3 | 3.98 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 36.3 | 6.72 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.3 | 4.62 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.3 | 3.76 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 36.3 | 3.23 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | A      |
| Decachlorobiphenyl           | 69         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | B      |
| Decachlorobiphenyl           | 67         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-07  
**Client ID:** SB-5 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 16:20  
**Analyst:** JM  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 36.1 | 3.21 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 36.1 | 3.62 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 36.1 | 7.66 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 36.1 | 4.87 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 36.1 | 5.42 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 36.1 | 3.95 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 36.1 | 6.68 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 36.1 | 4.59 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 36.1 | 3.74 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 36.1 | 3.21 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | A      |
| Decachlorobiphenyl           | 70         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | B      |
| Decachlorobiphenyl           | 69         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-08  
**Client ID:** SB-5  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 16:27  
**Analyst:** JM  
**Percent Solids:** 84%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 38.6 | 3.43 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 38.6 | 3.87 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 38.6 | 8.19 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 38.6 | 5.21 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 38.6 | 5.80 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 38.6 | 4.23 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 38.6 | 7.14 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 38.6 | 4.91 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 38.6 | 4.00 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 38.6 | 3.43 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 71         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 67         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-09  
**Client ID:** SB-6 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 16:34  
**Analyst:** JM  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 35.7 | 3.17 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 35.7 | 3.57 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 35.7 | 7.56 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 35.7 | 4.81 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 35.7 | 5.35 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 35.7 | 3.90 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 35.7 | 6.59 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 35.7 | 4.53 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 35.7 | 3.69 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 35.7 | 3.17 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 51         |           | 30-150              | A      |
| Decachlorobiphenyl           | 50         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 53         |           | 30-150              | B      |
| Decachlorobiphenyl           | 51         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-10  
**Client ID:** SB-6  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 16:41  
**Analyst:** JM  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 39.8 | 3.54 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 39.8 | 3.99 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 39.8 | 8.45 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 39.8 | 5.37 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 39.8 | 5.98 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 39.8 | 4.36 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 39.8 | 7.36 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 39.8 | 5.06 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 39.8 | 4.13 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 39.8 | 3.54 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | A      |
| Decachlorobiphenyl           | 74         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 70         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-11  
**Client ID:** SB-7 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 16:48  
**Analyst:** JM  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 34.3 | 3.04 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 34.3 | 3.44 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 34.3 | 7.27 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 34.3 | 4.62 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 34.3 | 5.14 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 34.3 | 3.75 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 34.3 | 6.34 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 34.3 | 4.36 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 34.3 | 3.55 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 34.3 | 3.04 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | A      |
| Decachlorobiphenyl           | 73         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | B      |
| Decachlorobiphenyl           | 70         |           | 30-150              | B      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-12  
**Client ID:** SB-7  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 16:55  
**Analyst:** JM  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 35.9 | 3.19 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 35.9 | 3.60 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 35.9 | 7.62 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 35.9 | 4.84 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 35.9 | 5.39 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 35.9 | 3.93 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 35.9 | 6.64 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 35.9 | 4.56 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 35.9 | 3.72 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 35.9 | 3.19 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 73         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 70         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-14  
**Client ID:** SB-9  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 17:01  
**Analyst:** JM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 35.2 | 3.12 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 35.2 | 3.52 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 35.2 | 7.45 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 35.2 | 4.74 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 35.2 | 5.27 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 35.2 | 3.85 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 35.2 | 6.50 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 35.2 | 4.46 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 35.2 | 3.64 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 35.2 | 3.12 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 64         |           | 30-150              | A      |
| Decachlorobiphenyl           | 54         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | B      |
| Decachlorobiphenyl           | 52         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-19  
**Client ID:** SB-14  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 17:08  
**Analyst:** JM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 34.4 | 3.06 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 34.4 | 3.45 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 34.4 | 7.30 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 34.4 | 4.64 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 34.4 | 5.16 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 34.4 | 3.76 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 34.4 | 6.36 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 34.4 | 4.37 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 34.4 | 3.56 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 34.4 | 3.06 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | A      |
| Decachlorobiphenyl           | 74         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 70         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-26  
**Client ID:** SB-21 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 17:15  
**Analyst:** JM  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 34.7 | 3.08 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 34.7 | 3.48 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 34.7 | 7.36 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 34.7 | 4.68 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 34.7 | 5.20 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 34.7 | 3.80 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 34.7 | 6.41 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 34.7 | 4.41 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 34.7 | 3.59 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 34.7 | 3.08 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | A      |
| Decachlorobiphenyl           | 67         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 64         |           | 30-150              | B      |
| Decachlorobiphenyl           | 64         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-27  
**Client ID:** SB-21  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 17:22  
**Analyst:** JM  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 34.7 | 3.08 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 34.7 | 3.48 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 34.7 | 7.37 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 34.7 | 4.68 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 34.7 | 5.21 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 34.7 | 3.80 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 34.7 | 6.42 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 34.7 | 4.41 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 34.7 | 3.60 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 34.7 | 3.08 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | A      |
| Decachlorobiphenyl           | 75         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 71         |           | 30-150              | B      |
| Decachlorobiphenyl           | 72         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-31  
**Client ID:** SB-25 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 17:29  
**Analyst:** JM  
**Percent Solids:** 94%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 34.9 | 3.10 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 34.9 | 3.50 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 34.9 | 7.40 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 34.9 | 4.70 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 34.9 | 5.24 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 34.9 | 3.82 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 34.9 | 6.45 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 34.9 | 4.43 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 34.9 | 3.62 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 34.9 | 3.10 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 74         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | B      |
| Decachlorobiphenyl           | 71         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-32  
**Client ID:** SB-25  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 17:36  
**Analyst:** JM  
**Percent Solids:** 81%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 40.1 | 3.56 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 40.1 | 4.02 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 40.1 | 8.51 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 40.1 | 5.41 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 40.1 | 6.02 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 40.1 | 4.39 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 40.1 | 7.42 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 40.1 | 5.10 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 40.1 | 4.16 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 40.1 | 3.56 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | A      |
| Decachlorobiphenyl           | 53         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 64         |           | 30-150              | B      |
| Decachlorobiphenyl           | 53         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-34  
**Client ID:** SB-27 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 17:49  
**Analyst:** JM  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 34.7 | 3.08 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 34.7 | 3.47 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 34.7 | 7.35 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 34.7 | 4.67 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 34.7 | 5.20 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 34.7 | 3.79 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 34.7 | 6.41 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 34.7 | 4.40 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 34.7 | 3.59 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 34.7 | 3.08 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 57         |           | 30-150              | A      |
| Decachlorobiphenyl           | 61         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 57         |           | 30-150              | B      |
| Decachlorobiphenyl           | 59         |           | 30-150              | B      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-35  
**Client ID:** SB-27  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 17:56  
**Analyst:** JM  
**Percent Solids:** 85%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 37.6 | 3.34 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 37.6 | 3.77 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 37.6 | 7.98 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 37.6 | 5.07 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 37.6 | 5.64 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 37.6 | 4.12 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 37.6 | 6.95 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 37.6 | 4.78 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 37.6 | 3.90 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 37.6 | 3.34 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | A      |
| Decachlorobiphenyl           | 69         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | B      |
| Decachlorobiphenyl           | 67         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-37  
**Client ID:** DUPE  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 18:03  
**Analyst:** JM  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:30  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 38.4 | 3.40 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 38.4 | 3.84 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 38.4 | 8.13 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 38.4 | 5.17 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 38.4 | 5.75 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 38.4 | 4.20 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 38.4 | 7.09 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 38.4 | 4.87 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 38.4 | 3.97 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 38.4 | 3.40 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | A      |
| Decachlorobiphenyl           | 77         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | B      |
| Decachlorobiphenyl           | 76         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8082A  
**Analytical Date:** 05/02/22 15:26  
**Analyst:** JM

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 10:29  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 05/01/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/01/22

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|-----------|--------|-----------|-------|----|-----|--------|
|-----------|--------|-----------|-------|----|-----|--------|

Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-12,14,19,26-27,31-32,34-35,37  
 Batch: WG1632821-1

|              |    |  |       |      |      |   |
|--------------|----|--|-------|------|------|---|
| Aroclor 1016 | ND |  | ug/kg | 32.8 | 2.91 | A |
| Aroclor 1221 | ND |  | ug/kg | 32.8 | 3.28 | A |
| Aroclor 1232 | ND |  | ug/kg | 32.8 | 6.95 | A |
| Aroclor 1242 | ND |  | ug/kg | 32.8 | 4.42 | A |
| Aroclor 1248 | ND |  | ug/kg | 32.8 | 4.91 | A |
| Aroclor 1254 | ND |  | ug/kg | 32.8 | 3.58 | A |
| Aroclor 1260 | ND |  | ug/kg | 32.8 | 6.06 | A |
| Aroclor 1262 | ND |  | ug/kg | 32.8 | 4.16 | A |
| Aroclor 1268 | ND |  | ug/kg | 32.8 | 3.39 | A |
| PCBs, Total  | ND |  | ug/kg | 32.8 | 2.91 | A |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 64        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 65        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 65        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 66        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1632821-2 WG1632821-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                                                            | 79               |      | 71                |      | 40-140              | 11  |      | 50            | A      |
| Aroclor 1260                                                                                                                            | 83               |      | 75                |      | 40-140              | 10  |      | 50            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79               |      | 71                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 81               |      | 76                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78               |      | 73                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 76               |      | 74                |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-02  
**Client ID:** SB-2  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 11:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 10:25  
**Analyst:** AR  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.78  | 0.349 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.743 | 0.332 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.743 | 0.211 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.78  | 0.676 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.892 | 0.400 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.78  | 0.628 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.34  | 1.00  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.743 | 0.305 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.23  | 0.780 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.78  | 0.459 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.11  | 0.557 | 1               | A      |
| 4,4'-DDE                                          | 1.42   | J         | ug/kg | 1.78  | 0.412 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.78  | 0.636 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.34  | 1.43  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.78  | 0.421 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.78  | 0.596 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.743 | 0.354 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.34  | 1.04  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 33.4  | 9.36  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.23  | 0.621 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.23  | 0.588 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.9  | 5.91  | 1               | A      |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-02

Date Collected: 04/28/22 11:25

Client ID: SB-2

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 58         |           | 30-150              | A      |
| Decachlorobiphenyl           | 72         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | B      |
| Decachlorobiphenyl           | 91         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-03  
**Client ID:** SB-3 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 10:36  
**Analyst:** AR  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.72  | 0.337 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.718 | 0.321 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.718 | 0.204 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.72  | 0.653 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.861 | 0.386 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.72  | 0.606 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.23  | 0.969 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.718 | 0.294 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.15  | 0.754 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.72  | 0.444 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.08  | 0.538 | 1               | A      |
| 4,4'-DDE                                          | 0.609  | J         | ug/kg | 1.72  | 0.398 | 1               | B      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.72  | 0.614 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.23  | 1.38  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.72  | 0.407 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.72  | 0.576 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.718 | 0.342 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.23  | 1.00  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 32.3  | 9.04  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.15  | 0.600 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.15  | 0.568 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.4  | 5.71  | 1               | A      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-03

Date Collected: 04/28/22 10:20

Client ID: SB-3 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 61         |           | 30-150              | A      |
| Decachlorobiphenyl           | 79         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | B      |
| Decachlorobiphenyl           | 99         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-04  
**Client ID:** SB-3  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 10:47  
**Analyst:** AR  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.69  | 0.331 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.704 | 0.314 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.704 | 0.200 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.69  | 0.640 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.844 | 0.378 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.69  | 0.594 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.16  | 0.950 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.704 | 0.288 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.11  | 0.739 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.69  | 0.435 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.06  | 0.528 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.69  | 0.390 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.69  | 0.602 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.16  | 1.36  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.69  | 0.399 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.69  | 0.564 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.704 | 0.335 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.16  | 0.985 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 31.6  | 8.86  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.11  | 0.588 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.11  | 0.557 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.1  | 5.59  | 1               | A      |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-04

Date Collected: 04/28/22 10:20

Client ID: SB-3

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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           | 93         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 77         |           | 30-150              | B      |
| Decachlorobiphenyl           | 107        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-05  
**Client ID:** SB-4 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 10:58  
**Analyst:** AR  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.72  | 0.337 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.717 | 0.320 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.717 | 0.204 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.72  | 0.652 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.860 | 0.386 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.72  | 0.606 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.23  | 0.968 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.717 | 0.294 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.15  | 0.753 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.72  | 0.443 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.08  | 0.538 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.72  | 0.398 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.72  | 0.614 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.23  | 1.38  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.72  | 0.406 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.72  | 0.575 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.717 | 0.341 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.23  | 1.00  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 32.3  | 9.04  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.15  | 0.599 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.15  | 0.568 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.3  | 5.70  | 1               | A      |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-05

Date Collected: 04/28/22 09:35

Client ID: SB-4 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 64         |           | 30-150              | A      |
| Decachlorobiphenyl           | 80         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 94         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-06  
**Client ID:** SB-4  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 11:09  
**Analyst:** AR  
**Percent Solids:** 91%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.74  | 0.340 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.724 | 0.324 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.724 | 0.206 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.74  | 0.659 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.869 | 0.390 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.74  | 0.612 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.26  | 0.978 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.724 | 0.297 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.17  | 0.760 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.74  | 0.447 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.09  | 0.543 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.74  | 0.402 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.74  | 0.620 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.26  | 1.40  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.74  | 0.410 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.74  | 0.581 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.724 | 0.345 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.26  | 1.01  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 32.6  | 9.12  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.17  | 0.605 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.17  | 0.573 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.5  | 5.76  | 1               | A      |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-06

Date Collected: 04/28/22 09:35

Client ID: SB-4

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 71         |           | 30-150              | A      |
| Decachlorobiphenyl           | 94         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 77         |           | 30-150              | B      |
| Decachlorobiphenyl           | 107        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-07  
**Client ID:** SB-5 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 11:20  
**Analyst:** AR  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.69  | 0.332 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.706 | 0.316 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.706 | 0.200 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.69  | 0.642 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.847 | 0.380 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.69  | 0.596 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.18  | 0.953 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.706 | 0.289 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.12  | 0.741 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.69  | 0.436 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.06  | 0.530 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.69  | 0.392 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.69  | 0.604 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.18  | 1.36  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.69  | 0.400 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.69  | 0.566 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.706 | 0.336 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.18  | 0.988 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 31.8  | 8.90  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.12  | 0.590 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.12  | 0.559 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.1  | 5.61  | 1               | A      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-07  
**Client ID:** SB-5 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**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 | 74         |           | 30-150              | A      |
| Decachlorobiphenyl           | 99         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 84         |           | 30-150              | B      |
| Decachlorobiphenyl           | 114        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-08  
**Client ID:** SB-5  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 11:31  
**Analyst:** AR  
**Percent Solids:** 84%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.82  | 0.357 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.759 | 0.339 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.759 | 0.216 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.82  | 0.690 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.911 | 0.408 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.82  | 0.641 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.41  | 1.02  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.759 | 0.311 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.28  | 0.797 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.82  | 0.469 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.14  | 0.569 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.82  | 0.421 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.82  | 0.650 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.41  | 1.46  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.82  | 0.430 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.82  | 0.609 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.759 | 0.361 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.41  | 1.06  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 34.1  | 9.56  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.28  | 0.634 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.28  | 0.601 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.2  | 6.03  | 1               | A      |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-08

Date Collected: 04/27/22 11:55

Client ID: SB-5

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 62         |           | 30-150              | A      |
| Decachlorobiphenyl           | 82         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | B      |
| Decachlorobiphenyl           | 103        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-09  
**Client ID:** SB-6 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 11:42  
**Analyst:** AR  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.70  | 0.333 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.708 | 0.316 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.708 | 0.201 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.70  | 0.644 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.850 | 0.381 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.70  | 0.598 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.19  | 0.956 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.708 | 0.290 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.12  | 0.744 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.70  | 0.438 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.06  | 0.531 | 1               | A      |
| 4,4'-DDE                                          | 1.47   | J         | ug/kg | 1.70  | 0.393 | 1               | B      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.70  | 0.606 | 1               | A      |
| 4,4'-DDT                                          | 7.40   |           | ug/kg | 3.19  | 1.37  | 1               | B      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.70  | 0.402 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.70  | 0.568 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.708 | 0.337 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.19  | 0.991 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 31.9  | 8.92  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.12  | 0.592 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.12  | 0.561 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 14.2  | 5.63  | 1               | A      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-09  
**Client ID:** SB-6 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**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 | 58         |           | 30-150              | A      |
| Decachlorobiphenyl           | 79         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 64         |           | 30-150              | B      |
| Decachlorobiphenyl           | 86         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-10  
**Client ID:** SB-6  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 11:53  
**Analyst:** AR  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.85  | 0.362 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.770 | 0.344 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.770 | 0.218 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.85  | 0.700 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.924 | 0.414 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.85  | 0.650 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.46  | 1.04  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.770 | 0.316 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.31  | 0.808 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.85  | 0.476 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.15  | 0.577 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.85  | 0.427 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.85  | 0.659 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.46  | 1.48  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.85  | 0.436 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.85  | 0.617 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.770 | 0.366 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.46  | 1.08  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 34.6  | 9.70  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.31  | 0.643 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.31  | 0.610 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.4  | 6.12  | 1               | A      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-10  
**Client ID:** SB-6  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**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 | 65         |           | 30-150              | A      |
| Decachlorobiphenyl           | 84         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | B      |
| Decachlorobiphenyl           | 97         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-11  
**Client ID:** SB-7 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 12:04  
**Analyst:** AR  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.65  | 0.324 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.689 | 0.308 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.689 | 0.196 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.65  | 0.627 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.827 | 0.371 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.65  | 0.582 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.10  | 0.930 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.689 | 0.282 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.07  | 0.724 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.65  | 0.426 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.03  | 0.517 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.65  | 0.382 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.65  | 0.590 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.10  | 1.33  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.65  | 0.391 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.65  | 0.553 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.689 | 0.328 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.10  | 0.965 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 31.0  | 8.68  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.07  | 0.576 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.07  | 0.546 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.8  | 5.48  | 1               | A      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-11

Date Collected: 04/26/22 14:35

Client ID: SB-7 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 63         |           | 30-150              | A      |
| Decachlorobiphenyl           | 81         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | B      |
| Decachlorobiphenyl           | 92         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-12  
**Client ID:** SB-7  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 12:15  
**Analyst:** AR  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.80  | 0.352 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.750 | 0.335 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.750 | 0.213 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.80  | 0.682 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.900 | 0.403 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.80  | 0.634 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.37  | 1.01  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.750 | 0.307 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.25  | 0.787 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.80  | 0.463 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.12  | 0.562 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.80  | 0.416 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.80  | 0.642 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.37  | 1.45  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.80  | 0.425 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.80  | 0.601 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.750 | 0.357 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.37  | 1.05  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 33.7  | 9.45  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.25  | 0.627 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.25  | 0.594 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.0  | 5.96  | 1               | A      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-12  
**Client ID:** SB-7  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**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 | 71         |           | 30-150              | A      |
| Decachlorobiphenyl           | 91         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | B      |
| Decachlorobiphenyl           | 105        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-14  
**Client ID:** SB-9  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 12:25  
**Analyst:** AR  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.64  | 0.321 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.683 | 0.305 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.683 | 0.194 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.64  | 0.622 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.820 | 0.368 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.64  | 0.577 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.07  | 0.922 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.683 | 0.280 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.05  | 0.717 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.64  | 0.422 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.02  | 0.512 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.64  | 0.379 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.64  | 0.585 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.07  | 1.32  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.64  | 0.387 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.64  | 0.548 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.683 | 0.325 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.07  | 0.956 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 30.7  | 8.61  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.05  | 0.571 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.05  | 0.541 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.7  | 5.43  | 1               | A      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-14  
**Client ID:** SB-9  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:55  
**Date Received:** 04/29/22  
**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 | 65         |           | 30-150              | A      |
| Decachlorobiphenyl           | 82         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 96         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-19  
**Client ID:** SB-14  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 12:36  
**Analyst:** AR  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.66  | 0.326 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.693 | 0.310 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.693 | 0.197 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.66  | 0.630 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.831 | 0.373 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.66  | 0.585 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.12  | 0.935 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.693 | 0.284 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.08  | 0.727 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.66  | 0.428 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.04  | 0.520 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.66  | 0.384 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.66  | 0.593 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.12  | 1.34  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.66  | 0.393 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.66  | 0.556 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.693 | 0.330 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.12  | 0.970 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 31.2  | 8.73  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.08  | 0.579 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.08  | 0.549 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.8  | 5.51  | 1               | A      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-19  
**Client ID:** SB-14  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                         | Result | Qualifier | Units | RL | MDL | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|----|-----|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |    |     |                 |        |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 92         |           | 30-150              | A      |
| Decachlorobiphenyl           | 119        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 99         |           | 30-150              | B      |
| Decachlorobiphenyl           | 139        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-26  
**Client ID:** SB-21 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 12:47  
**Analyst:** AR  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.64  | 0.322 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.685 | 0.306 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.685 | 0.194 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.64  | 0.623 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.822 | 0.368 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.64  | 0.579 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.08  | 0.925 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.685 | 0.281 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.05  | 0.719 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.64  | 0.423 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.03  | 0.514 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.64  | 0.380 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.64  | 0.586 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.08  | 1.32  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.64  | 0.388 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.64  | 0.549 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.685 | 0.326 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.08  | 0.959 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 30.8  | 8.63  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.05  | 0.573 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.05  | 0.542 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.7  | 5.44  | 1               | A      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-26

Date Collected: 04/26/22 14:05

Client ID: SB-21 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 74         |           | 30-150              | A      |
| Decachlorobiphenyl           | 103        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 92         |           | 30-150              | B      |
| Decachlorobiphenyl           | 112        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-27  
**Client ID:** SB-21  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 12:58  
**Analyst:** AR  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.64  | 0.320 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.682 | 0.305 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.682 | 0.194 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.64  | 0.620 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.818 | 0.367 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.64  | 0.576 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.07  | 0.920 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.682 | 0.280 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.04  | 0.716 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.64  | 0.421 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.02  | 0.511 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.64  | 0.378 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.64  | 0.584 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.07  | 1.32  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.64  | 0.387 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.64  | 0.547 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.682 | 0.324 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.07  | 0.955 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 30.7  | 8.59  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.04  | 0.570 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.04  | 0.540 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.6  | 5.42  | 1               | A      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-27  
**Client ID:** SB-21  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**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 | 77         |           | 30-150              | A      |
| Decachlorobiphenyl           | 100        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 83         |           | 30-150              | B      |
| Decachlorobiphenyl           | 117        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-31  
**Client ID:** SB-25 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 13:09  
**Analyst:** AR  
**Percent Solids:** 94%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.65  | 0.323 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.687 | 0.307 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.687 | 0.195 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.65  | 0.625 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.824 | 0.370 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.65  | 0.580 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.09  | 0.927 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.687 | 0.282 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.06  | 0.721 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.65  | 0.424 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.03  | 0.515 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.65  | 0.381 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.65  | 0.588 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.09  | 1.32  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.65  | 0.389 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.65  | 0.551 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.687 | 0.327 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.09  | 0.962 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 30.9  | 8.66  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.06  | 0.574 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.06  | 0.544 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.7  | 5.46  | 1               | A      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-31  
**Client ID:** SB-25 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**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 | 62         |           | 30-150              | A      |
| Decachlorobiphenyl           | 84         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | B      |
| Decachlorobiphenyl           | 97         |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-32  
**Client ID:** SB-25  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 13:20  
**Analyst:** AR  
**Percent Solids:** 81%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.95  | 0.383 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.814 | 0.364 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.814 | 0.231 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.95  | 0.741 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.977 | 0.438 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.95  | 0.688 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.66  | 1.10  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.814 | 0.334 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.44  | 0.855 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.95  | 0.503 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.22  | 0.611 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.95  | 0.452 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.95  | 0.697 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.66  | 1.57  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.95  | 0.462 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.95  | 0.653 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.814 | 0.388 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.66  | 1.14  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 36.6  | 10.2  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.44  | 0.681 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.44  | 0.645 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 16.3  | 6.47  | 1               | A      |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-32

Date Collected: 04/26/22 11:15

Client ID: SB-25

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 92         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | B      |
| Decachlorobiphenyl           | 105        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-34  
**Client ID:** SB-27 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 13:31  
**Analyst:** AR  
**Percent Solids:** 93%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.67  | 0.327 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.696 | 0.311 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.696 | 0.198 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.67  | 0.633 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.835 | 0.374 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.67  | 0.588 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.13  | 0.939 | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.696 | 0.285 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.09  | 0.730 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.67  | 0.430 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.04  | 0.522 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.67  | 0.386 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.67  | 0.595 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.13  | 1.34  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.67  | 0.394 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.67  | 0.558 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.696 | 0.331 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.13  | 0.974 | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 31.3  | 8.76  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.09  | 0.582 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.09  | 0.551 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 13.9  | 5.53  | 1               | A      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-34

Date Collected: 04/26/22 09:45

Client ID: SB-27 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 74         |           | 30-150              | A      |
| Decachlorobiphenyl           | 96         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | B      |
| Decachlorobiphenyl           | 119        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-35  
**Client ID:** SB-27  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 13:42  
**Analyst:** AR  
**Percent Solids:** 85%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.81  | 0.354 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.754 | 0.337 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.754 | 0.214 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.81  | 0.686 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.904 | 0.405 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.81  | 0.637 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.39  | 1.02  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.754 | 0.309 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.26  | 0.791 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.81  | 0.466 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.13  | 0.565 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.81  | 0.418 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.81  | 0.645 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.39  | 1.45  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.81  | 0.427 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.81  | 0.604 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.754 | 0.359 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.39  | 1.05  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 33.9  | 9.49  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.26  | 0.630 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.26  | 0.597 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.1  | 5.99  | 1               | A      |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-35

Date Collected: 04/26/22 09:45

Client ID: SB-27

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 67         |           | 30-150              | A      |
| Decachlorobiphenyl           | 92         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | B      |
| Decachlorobiphenyl           | 106        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-37  
**Client ID:** DUPE  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 05/05/22 13:53  
**Analyst:** AR  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/30/22 12:06  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 05/02/22  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 05/05/22

| Parameter                                         | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|-------|-------|-----------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab |        |           |       |       |       |                 |        |
| Delta-BHC                                         | ND     |           | ug/kg | 1.85  | 0.363 | 1               | A      |
| Lindane                                           | ND     |           | ug/kg | 0.772 | 0.345 | 1               | A      |
| Alpha-BHC                                         | ND     |           | ug/kg | 0.772 | 0.219 | 1               | A      |
| Beta-BHC                                          | ND     |           | ug/kg | 1.85  | 0.702 | 1               | A      |
| Heptachlor                                        | ND     |           | ug/kg | 0.926 | 0.415 | 1               | A      |
| Aldrin                                            | ND     |           | ug/kg | 1.85  | 0.652 | 1               | A      |
| Heptachlor epoxide                                | ND     |           | ug/kg | 3.47  | 1.04  | 1               | A      |
| Endrin                                            | ND     |           | ug/kg | 0.772 | 0.316 | 1               | A      |
| Endrin aldehyde                                   | ND     |           | ug/kg | 2.31  | 0.810 | 1               | A      |
| Endrin ketone                                     | ND     |           | ug/kg | 1.85  | 0.477 | 1               | A      |
| Dieldrin                                          | ND     |           | ug/kg | 1.16  | 0.579 | 1               | A      |
| 4,4'-DDE                                          | ND     |           | ug/kg | 1.85  | 0.428 | 1               | A      |
| 4,4'-DDD                                          | ND     |           | ug/kg | 1.85  | 0.660 | 1               | A      |
| 4,4'-DDT                                          | ND     |           | ug/kg | 3.47  | 1.49  | 1               | A      |
| Endosulfan I                                      | ND     |           | ug/kg | 1.85  | 0.437 | 1               | A      |
| Endosulfan II                                     | ND     |           | ug/kg | 1.85  | 0.619 | 1               | A      |
| Endosulfan sulfate                                | ND     |           | ug/kg | 0.772 | 0.367 | 1               | A      |
| Methoxychlor                                      | ND     |           | ug/kg | 3.47  | 1.08  | 1               | A      |
| Toxaphene                                         | ND     |           | ug/kg | 34.7  | 9.72  | 1               | A      |
| cis-Chlordane                                     | ND     |           | ug/kg | 2.31  | 0.645 | 1               | A      |
| trans-Chlordane                                   | ND     |           | ug/kg | 2.31  | 0.611 | 1               | A      |
| Chlordane                                         | ND     |           | ug/kg | 15.4  | 6.13  | 1               | A      |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-37

Date Collected: 04/28/22 09:35

Client ID: DUPE

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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 | 78         |           | 30-150              | A      |
| Decachlorobiphenyl           | 107        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 83         |           | 30-150              | B      |
| Decachlorobiphenyl           | 123        |           | 30-150              | B      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
 Analytical Date: 05/04/22 11:46  
 Analyst: AKM

Extraction Method: EPA 3546  
 Extraction Date: 04/30/22 12:06  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 05/02/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/04/22

| Parameter | Result | Qualifier | Units | RL | MDL | Column |
|-----------|--------|-----------|-------|----|-----|--------|
|-----------|--------|-----------|-------|----|-----|--------|

Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-12,14,19,26-27,31-32,34-35,37  
 Batch: WG1632833-1

|                    |    |  |       |       |       |   |
|--------------------|----|--|-------|-------|-------|---|
| Delta-BHC          | ND |  | ug/kg | 1.57  | 0.308 | A |
| Lindane            | ND |  | ug/kg | 0.655 | 0.293 | A |
| Alpha-BHC          | ND |  | ug/kg | 0.655 | 0.186 | A |
| Beta-BHC           | ND |  | ug/kg | 1.57  | 0.596 | A |
| Heptachlor         | ND |  | ug/kg | 0.786 | 0.352 | A |
| Aldrin             | ND |  | ug/kg | 1.57  | 0.554 | A |
| Heptachlor epoxide | ND |  | ug/kg | 2.95  | 0.885 | A |
| Endrin             | ND |  | ug/kg | 0.655 | 0.269 | A |
| Endrin aldehyde    | ND |  | ug/kg | 1.96  | 0.688 | A |
| Endrin ketone      | ND |  | ug/kg | 1.57  | 0.405 | A |
| Dieldrin           | ND |  | ug/kg | 0.983 | 0.491 | A |
| 4,4'-DDE           | ND |  | ug/kg | 1.57  | 0.364 | A |
| 4,4'-DDD           | ND |  | ug/kg | 1.57  | 0.561 | A |
| 4,4'-DDT           | ND |  | ug/kg | 2.95  | 1.26  | 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 | 0.655 | 0.312 | A |
| Methoxychlor       | ND |  | ug/kg | 2.95  | 0.917 | A |
| Toxaphene          | ND |  | ug/kg | 29.5  | 8.26  | A |
| cis-Chlordane      | ND |  | ug/kg | 1.96  | 0.548 | A |
| trans-Chlordane    | ND |  | ug/kg | 1.96  | 0.519 | A |
| Chlordane          | ND |  | ug/kg | 13.1  | 5.21  | A |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
 Analytical Date: 05/04/22 11:46  
 Analyst: AKM

Extraction Method: EPA 3546  
 Extraction Date: 04/30/22 12:06  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 05/02/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 05/04/22

| Parameter                                                                                                               | Result | Qualifier | Units | RL | MDL | Column |
|-------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------|
| Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-12,14,19,26-27,31-32,34-35,37<br>Batch: WG1632833-1 |        |           |       |    |     |        |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 65        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 66        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 60        |           | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1632833-2 WG1632833-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                                               | 64               |      | 64                |      | 30-150              | 0   |      | 30            | A      |
| Lindane                                                                                                                                 | 67               |      | 65                |      | 30-150              | 3   |      | 30            | A      |
| Alpha-BHC                                                                                                                               | 72               |      | 69                |      | 30-150              | 4   |      | 30            | A      |
| Beta-BHC                                                                                                                                | 63               |      | 63                |      | 30-150              | 0   |      | 30            | A      |
| Heptachlor                                                                                                                              | 66               |      | 65                |      | 30-150              | 2   |      | 30            | A      |
| Aldrin                                                                                                                                  | 64               |      | 63                |      | 30-150              | 2   |      | 30            | A      |
| Heptachlor epoxide                                                                                                                      | 53               |      | 50                |      | 30-150              | 6   |      | 30            | A      |
| Endrin                                                                                                                                  | 64               |      | 65                |      | 30-150              | 2   |      | 30            | A      |
| Endrin aldehyde                                                                                                                         | 45               |      | 45                |      | 30-150              | 0   |      | 30            | A      |
| Endrin ketone                                                                                                                           | 56               |      | 58                |      | 30-150              | 4   |      | 30            | A      |
| Dieldrin                                                                                                                                | 66               |      | 68                |      | 30-150              | 3   |      | 30            | A      |
| 4,4'-DDE                                                                                                                                | 60               |      | 62                |      | 30-150              | 3   |      | 30            | A      |
| 4,4'-DDD                                                                                                                                | 65               |      | 68                |      | 30-150              | 5   |      | 30            | A      |
| 4,4'-DDT                                                                                                                                | 60               |      | 62                |      | 30-150              | 3   |      | 30            | A      |
| Endosulfan I                                                                                                                            | 60               |      | 60                |      | 30-150              | 0   |      | 30            | A      |
| Endosulfan II                                                                                                                           | 61               |      | 63                |      | 30-150              | 3   |      | 30            | A      |
| Endosulfan sulfate                                                                                                                      | 46               |      | 44                |      | 30-150              | 4   |      | 30            | A      |
| Methoxychlor                                                                                                                            | 60               |      | 65                |      | 30-150              | 8   |      | 30            | A      |
| cis-Chlordane                                                                                                                           | 60               |      | 63                |      | 30-150              | 5   |      | 30            | A      |
| trans-Chlordane                                                                                                                         | 71               |      | 72                |      | 30-150              | 1   |      | 30            | A      |



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1632833-2 WG1632833-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 64                       |             | 62                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 69                       |             | 75                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 68                       |             | 64                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 61                       |             | 65                        |             | 30-150                         | B             |

## METALS

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-02

Date Collected: 04/28/22 11:25

Client ID: SB-2

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2000   |           | mg/kg | 100   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.7   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 1.6    |           | mg/kg | 0.53  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 16     |           | mg/kg | 3.2   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.12   | J         | mg/kg | 0.32  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | 0.04   | J         | mg/kg | 0.21  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 37000  |           | mg/kg | 530   | 64.   | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 4.3    |           | mg/kg | 2.1   | 0.49  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 2.2    |           | mg/kg | 0.53  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 4.3    |           | mg/kg | 2.1   | 0.20  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 6400   |           | mg/kg | 210   | 22.   | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 2.7    |           | mg/kg | 0.63  | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 12000  |           | mg/kg | 100   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 200    |           | mg/kg | 2.1   | 0.47  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.073 | 0.048 | 1               | 05/12/22 20:47 | 05/13/22 09:49 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 4.7    |           | mg/kg | 1.0   | 0.28  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 230    |           | mg/kg | 100   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.1   | 0.80  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.53  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | 72     | J         | mg/kg | 160   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.18   | J         | mg/kg | 0.42  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 7.8    |           | mg/kg | 1.0   | 0.40  | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 12     |           | mg/kg | 10    | 2.7   | 10              | 05/12/22 20:00 | 05/13/22 09:51 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-03

Date Collected: 04/28/22 10:20

Client ID: SB-3 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2400   |           | mg/kg | 110   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.7   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 1.4    |           | mg/kg | 0.54  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 21     |           | mg/kg | 3.2   | 0.23  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.13   | J         | mg/kg | 0.32  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | 0.03   | J         | mg/kg | 0.21  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 36000  |           | mg/kg | 540   | 65.   | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 4.5    |           | mg/kg | 2.1   | 0.50  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 2.2    |           | mg/kg | 0.54  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 4.5    |           | mg/kg | 2.1   | 0.21  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 6900   |           | mg/kg | 210   | 22.   | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 2.8    |           | mg/kg | 0.64  | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 12000  |           | mg/kg | 110   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 220    |           | mg/kg | 2.1   | 0.48  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.077 | 0.050 | 1               | 05/12/22 20:47 | 05/13/22 10:08 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 4.6    |           | mg/kg | 1.1   | 0.29  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 380    |           | mg/kg | 110   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.1   | 0.81  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.54  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | 60     | J         | mg/kg | 160   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.13   | J         | mg/kg | 0.43  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 8.1    |           | mg/kg | 1.1   | 0.41  | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 11     |           | mg/kg | 11    | 2.8   | 10              | 05/12/22 20:00 | 05/13/22 09:56 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-04

Date Collected: 04/28/22 10:20

Client ID: SB-3

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2400   |           | mg/kg | 100   | 15.   | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.6   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 1.0    |           | mg/kg | 0.51  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 22     |           | mg/kg | 3.1   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.12   | J         | mg/kg | 0.31  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.20  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 32000  |           | mg/kg | 510   | 62.   | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 6.0    |           | mg/kg | 2.0   | 0.48  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 2.4    |           | mg/kg | 0.51  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 3.6    |           | mg/kg | 2.0   | 0.20  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 6500   |           | mg/kg | 200   | 21.   | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 2.4    |           | mg/kg | 0.61  | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 11000  |           | mg/kg | 100   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 200    |           | mg/kg | 2.0   | 0.45  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.075 | 0.049 | 1               | 05/12/22 20:47 | 05/13/22 10:12 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 5.1    |           | mg/kg | 1.0   | 0.27  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 440    |           | mg/kg | 100   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.0   | 0.77  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.51  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | 58     | J         | mg/kg | 150   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.10   | J         | mg/kg | 0.41  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 7.6    |           | mg/kg | 1.0   | 0.39  | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 9.6    | J         | mg/kg | 10    | 2.6   | 10              | 05/12/22 20:00 | 05/13/22 10:01 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-05

Date Collected: 04/28/22 09:35

Client ID: SB-4 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 1900   |           | mg/kg | 110   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.7   | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 1.0    |           | mg/kg | 0.54  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 12     |           | mg/kg | 3.3   | 0.23  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.10   | J         | mg/kg | 0.33  | 0.10  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | 0.08   | J         | mg/kg | 0.22  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 2700   |           | mg/kg | 540   | 66.   | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 3.7    |           | mg/kg | 2.2   | 0.51  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.0    |           | mg/kg | 0.54  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 3.1    |           | mg/kg | 2.2   | 0.21  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 4600   |           | mg/kg | 220   | 22.   | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 7.2    |           | mg/kg | 0.65  | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 1100   |           | mg/kg | 110   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 92     |           | mg/kg | 2.2   | 0.48  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.071 | 0.046 | 1               | 05/12/22 20:47 | 05/13/22 10:15 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 2.4    |           | mg/kg | 1.1   | 0.29  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 190    |           | mg/kg | 110   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.2   | 0.82  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.54  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 160   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.08   | J         | mg/kg | 0.44  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 6.2    |           | mg/kg | 1.1   | 0.41  | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 13     |           | mg/kg | 11    | 2.8   | 10              | 05/12/22 20:00 | 05/13/22 10:06 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-06

Date Collected: 04/28/22 09:35

Client ID: SB-4

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 3200   |           | mg/kg | 110   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.7   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 1.7    |           | mg/kg | 0.54  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 29     |           | mg/kg | 3.2   | 0.23  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.14   | J         | mg/kg | 0.32  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | 0.04   | J         | mg/kg | 0.21  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 59000  |           | mg/kg | 540   | 65.   | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 7.2    |           | mg/kg | 2.1   | 0.50  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 3.6    |           | mg/kg | 0.54  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 6.9    |           | mg/kg | 2.1   | 0.21  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 9300   |           | mg/kg | 210   | 22.   | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 3.7    |           | mg/kg | 0.64  | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 16000  |           | mg/kg | 110   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 280    |           | mg/kg | 2.1   | 0.48  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.078 | 0.051 | 1               | 05/12/22 20:47 | 05/13/22 10:18 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 8.7    |           | mg/kg | 1.1   | 0.29  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 600    |           | mg/kg | 110   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | 1.0    | J         | mg/kg | 2.1   | 0.81  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.54  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | 75     | J         | mg/kg | 160   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.13   | J         | mg/kg | 0.43  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 10     |           | mg/kg | 1.1   | 0.41  | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 17     |           | mg/kg | 11    | 2.8   | 10              | 05/12/22 20:00 | 05/13/22 10:28 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-07

Date Collected: 04/27/22 11:55

Client ID: SB-5 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2800   |           | mg/kg | 110   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.7   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 1.4    |           | mg/kg | 0.54  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 15     |           | mg/kg | 3.2   | 0.23  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.12   | J         | mg/kg | 0.32  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | 0.10   | J         | mg/kg | 0.22  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 1300   |           | mg/kg | 540   | 66.   | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 4.1    |           | mg/kg | 2.2   | 0.50  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.1    |           | mg/kg | 0.54  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 2.3    |           | mg/kg | 2.2   | 0.21  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 6000   |           | mg/kg | 220   | 22.   | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 10     |           | mg/kg | 0.65  | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 470    |           | mg/kg | 110   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 97     |           | mg/kg | 2.2   | 0.48  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.074 | 0.048 | 1               | 05/12/22 20:47 | 05/13/22 10:22 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 3.5    |           | mg/kg | 1.1   | 0.29  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 83     | J         | mg/kg | 110   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.2   | 0.82  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.54  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 160   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.09   | J         | mg/kg | 0.43  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 8.7    |           | mg/kg | 1.1   | 0.41  | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 13     |           | mg/kg | 11    | 2.8   | 10              | 05/12/22 20:00 | 05/13/22 10:32 | EPA 3050B   | 1,6020B           | SV      |





**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-08

Date Collected: 04/27/22 11:55

Client ID: SB-5

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 1800   |           | mg/kg | 110   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.8   | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 1.0    |           | mg/kg | 0.57  | 0.08  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 11     |           | mg/kg | 3.4   | 0.24  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.11   | J         | mg/kg | 0.34  | 0.10  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.23  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 460    | J         | mg/kg | 570   | 69.   | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 3.1    |           | mg/kg | 2.3   | 0.53  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.4    |           | mg/kg | 0.57  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 1.7    | J         | mg/kg | 2.3   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 5000   |           | mg/kg | 230   | 23.   | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 1.2    |           | mg/kg | 0.68  | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 530    |           | mg/kg | 110   | 14.   | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 99     |           | mg/kg | 2.3   | 0.50  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.081 | 0.053 | 1               | 05/12/22 20:47 | 05/13/22 10:25 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 2.1    |           | mg/kg | 1.1   | 0.30  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 100    | J         | mg/kg | 110   | 18.   | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.3   | 0.86  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.57  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 170   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.06   | J         | mg/kg | 0.45  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 5.8    |           | mg/kg | 1.1   | 0.43  | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 5.0    | J         | mg/kg | 11    | 3.0   | 10              | 05/12/22 20:00 | 05/13/22 10:37 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-09

Date Collected: 04/27/22 12:45

Client ID: SB-6 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2400   |           | mg/kg | 100   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.7   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 1.2    |           | mg/kg | 0.53  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 12     |           | mg/kg | 3.2   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.14   | J         | mg/kg | 0.32  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | 0.10   | J         | mg/kg | 0.21  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 3000   |           | mg/kg | 530   | 64.   | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 4.6    |           | mg/kg | 2.1   | 0.49  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.6    |           | mg/kg | 0.53  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 2.9    |           | mg/kg | 2.1   | 0.20  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 5700   |           | mg/kg | 210   | 22.   | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 7.3    |           | mg/kg | 0.63  | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 980    |           | mg/kg | 100   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 120    |           | mg/kg | 2.1   | 0.47  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.072 | 0.047 | 1               | 05/12/22 20:47 | 05/13/22 10:28 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 3.3    |           | mg/kg | 1.0   | 0.28  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 130    |           | mg/kg | 100   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.1   | 0.80  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.53  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 160   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.06   | J         | mg/kg | 0.42  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 7.4    |           | mg/kg | 1.0   | 0.40  | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 11     |           | mg/kg | 10    | 2.7   | 10              | 05/12/22 20:00 | 05/13/22 10:42 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-10

Date Collected: 04/27/22 12:45

Client ID: SB-6

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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              | 2600   |           | mg/kg | 120   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.8   | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 3.3    |           | mg/kg | 0.58  | 0.08  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 30     |           | mg/kg | 3.5   | 0.24  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.14   | J         | mg/kg | 0.35  | 0.10  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | 0.04   | J         | mg/kg | 0.23  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 48000  |           | mg/kg | 580   | 71.   | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 6.3    |           | mg/kg | 2.3   | 0.54  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 3.0    |           | mg/kg | 0.58  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 6.3    |           | mg/kg | 2.3   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 8700   |           | mg/kg | 230   | 24.   | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 3.2    |           | mg/kg | 0.70  | 0.17  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 12000  |           | mg/kg | 120   | 14.   | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 310    |           | mg/kg | 2.3   | 0.52  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.080 | 0.052 | 1               | 05/12/22 20:47 | 05/13/22 10:32 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 6.5    |           | mg/kg | 1.2   | 0.31  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 440    |           | mg/kg | 120   | 18.   | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.3   | 0.88  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.58  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | 67     | J         | mg/kg | 170   | 14.   | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.07   | J         | mg/kg | 0.46  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 9.1    |           | mg/kg | 1.2   | 0.44  | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 17     |           | mg/kg | 12    | 3.0   | 10              | 05/12/22 20:00 | 05/13/22 10:47 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-11

Date Collected: 04/26/22 14:35

Client ID: SB-7 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 3300   |           | mg/kg | 100   | 15.   | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.6   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 0.46   | J         | mg/kg | 0.50  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 11     |           | mg/kg | 3.0   | 0.21  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.12   | J         | mg/kg | 0.30  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.20  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 69     | J         | mg/kg | 500   | 62.   | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 2.4    |           | mg/kg | 2.0   | 0.47  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.0    |           | mg/kg | 0.50  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 0.78   | J         | mg/kg | 2.0   | 0.20  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 4200   |           | mg/kg | 200   | 21.   | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 1.1    |           | mg/kg | 0.61  | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 290    |           | mg/kg | 100   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 89     |           | mg/kg | 2.0   | 0.45  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.074 | 0.048 | 1               | 05/12/22 20:47 | 05/13/22 10:35 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 1.8    |           | mg/kg | 1.0   | 0.27  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 64     | J         | mg/kg | 100   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.0   | 0.76  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.50  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 150   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | ND     |           | mg/kg | 0.40  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 4.9    |           | mg/kg | 1.0   | 0.38  | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 3.9    | J         | mg/kg | 10    | 2.6   | 10              | 05/12/22 20:00 | 05/13/22 10:51 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-12

Date Collected: 04/26/22 14:35

Client ID: SB-7

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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              | 1600   |           | mg/kg | 110   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.8   | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 0.48   | J         | mg/kg | 0.56  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 10     |           | mg/kg | 3.3   | 0.24  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.11   | J         | mg/kg | 0.33  | 0.10  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.22  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 160    | J         | mg/kg | 560   | 68.   | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 2.5    |           | mg/kg | 2.2   | 0.52  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 0.87   |           | mg/kg | 0.56  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 1.1    | J         | mg/kg | 2.2   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 3900   |           | mg/kg | 220   | 23.   | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 0.94   |           | mg/kg | 0.67  | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 570    |           | mg/kg | 110   | 14.   | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 16     |           | mg/kg | 2.2   | 0.50  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.081 | 0.053 | 1               | 05/12/22 20:47 | 05/13/22 10:38 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 1.5    |           | mg/kg | 1.1   | 0.30  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 91     | J         | mg/kg | 110   | 18.   | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.2   | 0.84  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.56  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 170   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | ND     |           | mg/kg | 0.45  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 4.2    |           | mg/kg | 1.1   | 0.42  | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 3.0    | J         | mg/kg | 11    | 2.9   | 10              | 05/12/22 20:00 | 05/13/22 10:56 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-14

Date Collected: 04/27/22 10:55

Client ID: SB-9

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 1000   |           | mg/kg | 100   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.7   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 0.34   | J         | mg/kg | 0.52  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 6.5    |           | mg/kg | 3.2   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | ND     |           | mg/kg | 0.32  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.21  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 390    | J         | mg/kg | 520   | 64.   | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 1.4    | J         | mg/kg | 2.1   | 0.49  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 0.79   |           | mg/kg | 0.52  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 1.1    | J         | mg/kg | 2.1   | 0.20  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 2800   |           | mg/kg | 210   | 22.   | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 0.50   | J         | mg/kg | 0.63  | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 390    |           | mg/kg | 100   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 49     |           | mg/kg | 2.1   | 0.47  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.071 | 0.047 | 1               | 05/12/22 20:47 | 05/13/22 10:48 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 1.8    |           | mg/kg | 1.0   | 0.28  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 78     | J         | mg/kg | 100   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.1   | 0.79  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.52  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 160   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | ND     |           | mg/kg | 0.42  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 3.0    |           | mg/kg | 1.0   | 0.40  | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 3.5    | J         | mg/kg | 10    | 2.7   | 10              | 05/12/22 20:00 | 05/13/22 11:01 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-19

Date Collected: 04/27/22 10:15

Client ID: SB-14

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 1200   |           | mg/kg | 100   | 15.   | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.6   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 0.68   |           | mg/kg | 0.51  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 4.2    |           | mg/kg | 3.1   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.10   | J         | mg/kg | 0.31  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.20  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 260    | J         | mg/kg | 510   | 62.   | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 2.1    |           | mg/kg | 2.0   | 0.48  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 0.89   |           | mg/kg | 0.51  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 1.3    | J         | mg/kg | 2.0   | 0.20  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 5600   |           | mg/kg | 200   | 21.   | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 0.68   |           | mg/kg | 0.61  | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 450    |           | mg/kg | 100   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 28     |           | mg/kg | 2.0   | 0.45  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.076 | 0.050 | 1               | 05/12/22 20:47 | 05/13/22 10:51 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 1.6    |           | mg/kg | 1.0   | 0.27  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 78     | J         | mg/kg | 100   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.0   | 0.77  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.51  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 150   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | ND     |           | mg/kg | 0.41  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 5.5    |           | mg/kg | 1.0   | 0.39  | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 3.5    | J         | mg/kg | 10    | 2.6   | 10              | 05/12/22 20:00 | 05/13/22 11:06 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-26

Date Collected: 04/26/22 14:05

Client ID: SB-21 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2700   |           | mg/kg | 100   | 15.   | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.6   | 0.13  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 0.78   |           | mg/kg | 0.50  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 9.1    |           | mg/kg | 3.0   | 0.21  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.11   | J         | mg/kg | 0.30  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | 0.04   | J         | mg/kg | 0.20  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 400    | J         | mg/kg | 500   | 61.   | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 2.8    |           | mg/kg | 2.0   | 0.47  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.3    |           | mg/kg | 0.50  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 1.2    | J         | mg/kg | 2.0   | 0.19  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 5200   |           | mg/kg | 200   | 20.   | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 2.5    |           | mg/kg | 0.60  | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 420    |           | mg/kg | 100   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 110    |           | mg/kg | 2.0   | 0.44  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.069 | 0.045 | 1               | 05/12/22 20:47 | 05/13/22 10:55 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 1.9    |           | mg/kg | 1.0   | 0.27  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 66     | J         | mg/kg | 100   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.0   | 0.75  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.50  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 150   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | ND     |           | mg/kg | 0.40  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 6.0    |           | mg/kg | 1.0   | 0.38  | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 8.6    | J         | mg/kg | 10    | 2.6   | 10              | 05/12/22 20:00 | 05/13/22 11:11 | EPA 3050B   | 1,6020B           | SV      |





**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-27

Date Collected: 04/26/22 14:05

Client ID: SB-21

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2300   |           | mg/kg | 100   | 15.   | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.7   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 0.87   |           | mg/kg | 0.52  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 10     |           | mg/kg | 3.1   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.11   | J         | mg/kg | 0.31  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.21  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 260    | J         | mg/kg | 520   | 63.   | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 2.4    |           | mg/kg | 2.1   | 0.49  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.2    |           | mg/kg | 0.52  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 2.8    |           | mg/kg | 2.1   | 0.20  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 4600   |           | mg/kg | 210   | 21.   | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 1.8    |           | mg/kg | 0.62  | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 680    |           | mg/kg | 100   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 140    |           | mg/kg | 2.1   | 0.46  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.078 | 0.051 | 1               | 05/12/22 20:47 | 05/13/22 10:58 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 2.8    |           | mg/kg | 1.0   | 0.28  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 110    |           | mg/kg | 100   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.1   | 0.79  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.52  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 160   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.08   | J         | mg/kg | 0.42  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 4.4    |           | mg/kg | 1.0   | 0.39  | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 7.2    | J         | mg/kg | 10    | 2.7   | 10              | 05/12/22 20:00 | 05/13/22 11:28 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-31

Date Collected: 04/26/22 11:15

Client ID: SB-25 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2900   |           | mg/kg | 100   | 15.   | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.6   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 0.64   |           | mg/kg | 0.51  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 6.9    |           | mg/kg | 3.1   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.09   | J         | mg/kg | 0.31  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.20  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 300    | J         | mg/kg | 510   | 62.   | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 2.8    |           | mg/kg | 2.0   | 0.48  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.1    |           | mg/kg | 0.51  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 0.88   | J         | mg/kg | 2.0   | 0.20  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 4000   |           | mg/kg | 200   | 21.   | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 1.0    |           | mg/kg | 0.62  | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 490    |           | mg/kg | 100   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 82     |           | mg/kg | 2.0   | 0.46  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.076 | 0.049 | 1               | 05/12/22 20:47 | 05/13/22 11:01 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 2.9    |           | mg/kg | 1.0   | 0.27  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 62     | J         | mg/kg | 100   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.0   | 0.78  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.51  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 150   | 12.   | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | 0.05   | J         | mg/kg | 0.41  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 5.0    |           | mg/kg | 1.0   | 0.39  | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 6.2    | J         | mg/kg | 10    | 2.7   | 10              | 05/12/22 20:00 | 05/13/22 11:33 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-32

Date Collected: 04/26/22 11:15

Client ID: SB-25

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2600   |           | mg/kg | 120   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.9   | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 0.53   | J         | mg/kg | 0.59  | 0.08  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 9.8    |           | mg/kg | 3.5   | 0.25  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.14   | J         | mg/kg | 0.35  | 0.10  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.24  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 190    | J         | mg/kg | 590   | 72.   | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 3.3    |           | mg/kg | 2.4   | 0.55  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 0.96   |           | mg/kg | 0.59  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 0.89   | J         | mg/kg | 2.4   | 0.23  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 4100   |           | mg/kg | 240   | 24.   | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 0.87   |           | mg/kg | 0.70  | 0.17  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 430    |           | mg/kg | 120   | 14.   | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 72     |           | mg/kg | 2.4   | 0.52  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.088 | 0.057 | 1               | 05/12/22 20:47 | 05/13/22 11:05 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 2.0    |           | mg/kg | 1.2   | 0.31  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 66     | J         | mg/kg | 120   | 19.   | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.4   | 0.89  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.59  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 180   | 14.   | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | ND     |           | mg/kg | 0.47  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 5.2    |           | mg/kg | 1.2   | 0.44  | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 4.2    | J         | mg/kg | 12    | 3.0   | 10              | 05/12/22 20:00 | 05/13/22 11:38 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-34

Date Collected: 04/26/22 09:45

Client ID: SB-27 (0-2')

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2000   |           | mg/kg | 110   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.7   | 0.14  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 0.62   |           | mg/kg | 0.54  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 6.9    |           | mg/kg | 3.2   | 0.23  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | ND     |           | mg/kg | 0.32  | 0.09  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.22  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 220    | J         | mg/kg | 540   | 65.   | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 5.7    |           | mg/kg | 2.2   | 0.50  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.5    |           | mg/kg | 0.54  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 1.8    | J         | mg/kg | 2.2   | 0.21  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 4300   |           | mg/kg | 220   | 22.   | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 1.1    |           | mg/kg | 0.65  | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 530    |           | mg/kg | 110   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 62     |           | mg/kg | 2.2   | 0.48  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.070 | 0.045 | 1               | 05/12/22 20:47 | 05/13/22 11:08 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 3.0    |           | mg/kg | 1.1   | 0.29  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 76     | J         | mg/kg | 110   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.2   | 0.81  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.54  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | 16     | J         | mg/kg | 160   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | ND     |           | mg/kg | 0.43  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 4.5    |           | mg/kg | 1.1   | 0.41  | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 8.8    | J         | mg/kg | 11    | 2.8   | 10              | 05/12/22 20:00 | 05/13/22 11:43 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-35

Date Collected: 04/26/22 09:45

Client ID: SB-27

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

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              | 2400   |           | mg/kg | 110   | 17.   | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.8   | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 0.79   |           | mg/kg | 0.57  | 0.08  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 7.9    |           | mg/kg | 3.4   | 0.24  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.13   | J         | mg/kg | 0.34  | 0.10  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | ND     |           | mg/kg | 0.23  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 260    | J         | mg/kg | 570   | 70.   | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 3.5    |           | mg/kg | 2.3   | 0.54  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.6    |           | mg/kg | 0.57  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 1.6    | J         | mg/kg | 2.3   | 0.22  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 4900   |           | mg/kg | 230   | 24.   | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 1.2    |           | mg/kg | 0.69  | 0.17  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 890    |           | mg/kg | 110   | 14.   | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 74     |           | mg/kg | 2.3   | 0.51  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.077 | 0.050 | 1               | 05/12/22 20:47 | 05/13/22 11:11 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 3.4    |           | mg/kg | 1.1   | 0.31  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 150    |           | mg/kg | 110   | 18.   | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.3   | 0.87  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.57  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | ND     |           | mg/kg | 170   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | ND     |           | mg/kg | 0.46  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 5.6    |           | mg/kg | 1.1   | 0.44  | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 5.8    | J         | mg/kg | 11    | 3.0   | 10              | 05/12/22 20:00 | 05/13/22 11:48 | EPA 3050B   | 1,6020B           | SV      |



**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**SAMPLE RESULTS**

Lab ID: L2222691-37

Date Collected: 04/28/22 09:35

Client ID: DUPE

Date Received: 04/29/22

Sample Location: INDUSTRIAL BLVD.

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

| Parameter                    | Result | Qualifier | Units | RL    | MDL   | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab |        |           |       |       |       |                 |                |                |             |                   |         |
| Aluminum, Total              | 2300   |           | mg/kg | 110   | 16.   | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Antimony, Total              | ND     |           | mg/kg | 1.8   | 0.15  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Arsenic, Total               | 1.3    |           | mg/kg | 0.55  | 0.07  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Barium, Total                | 16     |           | mg/kg | 3.3   | 0.23  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Beryllium, Total             | 0.13   | J         | mg/kg | 0.33  | 0.10  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Cadmium, Total               | 0.03   | J         | mg/kg | 0.22  | 0.03  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Calcium, Total               | 12000  |           | mg/kg | 550   | 67.   | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Chromium, Total              | 4.4    |           | mg/kg | 2.2   | 0.52  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Cobalt, Total                | 1.8    |           | mg/kg | 0.55  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Copper, Total                | 4.2    |           | mg/kg | 2.2   | 0.21  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Iron, Total                  | 6100   |           | mg/kg | 220   | 23.   | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Lead, Total                  | 2.2    |           | mg/kg | 0.66  | 0.16  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Magnesium, Total             | 3900   |           | mg/kg | 110   | 14.   | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Manganese, Total             | 140    |           | mg/kg | 2.2   | 0.49  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Mercury, Total               | ND     |           | mg/kg | 0.077 | 0.050 | 1               | 05/12/22 20:47 | 05/13/22 11:15 | EPA 7471B   | 1,7471B           | DMB     |
| Nickel, Total                | 3.8    |           | mg/kg | 1.1   | 0.29  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Potassium, Total             | 240    |           | mg/kg | 110   | 18.   | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Selenium, Total              | ND     |           | mg/kg | 2.2   | 0.83  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Silver, Total                | ND     |           | mg/kg | 0.55  | 0.05  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Sodium, Total                | 18     | J         | mg/kg | 160   | 13.   | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Thallium, Total              | ND     |           | mg/kg | 0.44  | 0.06  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Vanadium, Total              | 7.1    |           | mg/kg | 1.1   | 0.42  | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |
| Zinc, Total                  | 9.4    | J         | mg/kg | 11    | 2.9   | 10              | 05/12/22 20:00 | 05/13/22 11:52 | EPA 3050B   | 1,6020B           | SV      |



Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

## Method Blank Analysis Batch Quality Control

| Parameter                                                                                       | Result | Qualifier | Units | RL   | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1637749-1 |        |           |       |      |      |                    |                  |                  |                      |         |
| Aluminum, Total                                                                                 | ND     |           | mg/kg | 100  | 15.  | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Antimony, Total                                                                                 | ND     |           | mg/kg | 1.6  | 0.14 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Arsenic, Total                                                                                  | ND     |           | mg/kg | 0.50 | 0.07 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Barium, Total                                                                                   | ND     |           | mg/kg | 3.0  | 0.21 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Beryllium, Total                                                                                | ND     |           | mg/kg | 0.30 | 0.09 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Cadmium, Total                                                                                  | ND     |           | mg/kg | 0.20 | 0.03 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Calcium, Total                                                                                  | ND     |           | mg/kg | 500  | 61.  | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Chromium, Total                                                                                 | ND     |           | mg/kg | 2.0  | 0.47 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Cobalt, Total                                                                                   | ND     |           | mg/kg | 0.50 | 0.05 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Copper, Total                                                                                   | ND     |           | mg/kg | 2.0  | 0.19 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Iron, Total                                                                                     | ND     |           | mg/kg | 200  | 21.  | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Lead, Total                                                                                     | ND     |           | mg/kg | 0.60 | 0.15 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Magnesium, Total                                                                                | ND     |           | mg/kg | 100  | 12.  | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Manganese, Total                                                                                | ND     |           | mg/kg | 2.0  | 0.44 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Nickel, Total                                                                                   | ND     |           | mg/kg | 1.0  | 0.27 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Potassium, Total                                                                                | ND     |           | mg/kg | 100  | 16.  | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Selenium, Total                                                                                 | ND     |           | mg/kg | 2.0  | 0.76 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Silver, Total                                                                                   | ND     |           | mg/kg | 0.50 | 0.05 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Sodium, Total                                                                                   | ND     |           | mg/kg | 150  | 12.  | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Thallium, Total                                                                                 | 0.08   | J         | mg/kg | 0.40 | 0.05 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Vanadium, Total                                                                                 | ND     |           | mg/kg | 1.0  | 0.38 | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |
| Zinc, Total                                                                                     | ND     |           | mg/kg | 10   | 2.6  | 10                 | 05/12/22 20:00   | 05/13/22 09:27   | 1,6020B              | SV      |

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                                                       | Result | Qualifier | Units | RL    | MDL   | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1637753-1 |        |           |       |       |       |                    |                  |                  |                      |         |
| Mercury, Total                                                                                  | ND     |           | mg/kg | 0.083 | 0.054 | 1                  | 05/12/22 20:47   | 05/13/22 09:42   | 1,7471B              | DMB     |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

## Method Blank Analysis Batch Quality Control

### Prep Information

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Digestion Method: EPA 7471B



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER AIRPORT

**Project Number:** 508215230

**Lab Number:** L2222691

**Report Date:** 05/20/22

| Parameter                                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1637749-2 SRM Lot Number: D113-540 |                  |      |                   |      |                     |     |      |            |
| Aluminum, Total                                                                                                                 | 61               |      | -                 |      | 51-149              | -   |      | 20         |
| Antimony, Total                                                                                                                 | 147              |      | -                 |      | 20-250              | -   |      | 20         |
| Arsenic, Total                                                                                                                  | 100              |      | -                 |      | 70-130              | -   |      | 20         |
| Barium, Total                                                                                                                   | 96               |      | -                 |      | 75-125              | -   |      | 20         |
| Beryllium, Total                                                                                                                | 86               |      | -                 |      | 75-125              | -   |      | 20         |
| Cadmium, Total                                                                                                                  | 97               |      | -                 |      | 75-125              | -   |      | 20         |
| Calcium, Total                                                                                                                  | 97               |      | -                 |      | 73-128              | -   |      | 20         |
| Chromium, Total                                                                                                                 | 90               |      | -                 |      | 70-130              | -   |      | 20         |
| Cobalt, Total                                                                                                                   | 96               |      | -                 |      | 75-125              | -   |      | 20         |
| Copper, Total                                                                                                                   | 91               |      | -                 |      | 75-125              | -   |      | 20         |
| Iron, Total                                                                                                                     | 90               |      | -                 |      | 36-164              | -   |      | 20         |
| Lead, Total                                                                                                                     | 98               |      | -                 |      | 72-128              | -   |      | 20         |
| Magnesium, Total                                                                                                                | 85               |      | -                 |      | 63-138              | -   |      | 20         |
| Manganese, Total                                                                                                                | 96               |      | -                 |      | 77-123              | -   |      | 20         |
| Nickel, Total                                                                                                                   | 96               |      | -                 |      | 70-130              | -   |      | 20         |
| Potassium, Total                                                                                                                | 76               |      | -                 |      | 59-141              | -   |      | 20         |
| Selenium, Total                                                                                                                 | 99               |      | -                 |      | 66-134              | -   |      | 20         |
| Silver, Total                                                                                                                   | 104              |      | -                 |      | 70-131              | -   |      | 20         |
| Sodium, Total                                                                                                                   | 93               |      | -                 |      | 35-164              | -   |      | 20         |
| Thallium, Total                                                                                                                 | 90               |      | -                 |      | 70-130              | -   |      | 20         |
| Vanadium, Total                                                                                                                 | 91               |      | -                 |      | 74-126              | -   |      | 20         |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| Parameter                                                                                                                       | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1637749-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Zinc, Total                                                                                                                     | 95               | -                 | 70-130              | -   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 Batch: WG1637753-2 SRM Lot Number: D113-540 |                  |                   |                     |     |            |
| Mercury, Total                                                                                                                  | 84               | -                 | 60-140              | -   |            |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| 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): 02-12,14,19,26-27,31-32,34-35,37 QC Batch ID: WG1637749-3 QC Sample: L2222691-02 Client ID: SB-2 |               |          |          |              |      |           |               |      |                 |     |      |            |
| Aluminum, Total                                                                                                                                     | 2000          | 1780     | 2200     | 11           | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Antimony, Total                                                                                                                                     | ND            | 44.6     | 44       | 99           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Arsenic, Total                                                                                                                                      | 1.6           | 10.7     | 12       | 97           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Barium, Total                                                                                                                                       | 16            | 178      | 190      | 98           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Beryllium, Total                                                                                                                                    | 0.12J         | 4.46     | 4.0      | 90           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Cadmium, Total                                                                                                                                      | 0.04J         | 4.73     | 4.8      | 102          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Calcium, Total                                                                                                                                      | 37000         | 892      | 34000    | 0            | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Chromium, Total                                                                                                                                     | 4.3           | 17.8     | 22       | 99           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Cobalt, Total                                                                                                                                       | 2.2           | 44.6     | 43       | 91           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Copper, Total                                                                                                                                       | 4.3           | 22.3     | 24       | 88           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Iron, Total                                                                                                                                         | 6400          | 892      | 5800     | 0            | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Lead, Total                                                                                                                                         | 2.7           | 47.3     | 50       | 100          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Magnesium, Total                                                                                                                                    | 12000         | 892      | 11000    | 0            | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Manganese, Total                                                                                                                                    | 200           | 44.6     | 220      | 45           | Q    | -         | -             |      | 75-125          | -   |      | 20         |
| Nickel, Total                                                                                                                                       | 4.7           | 44.6     | 46       | 93           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Potassium, Total                                                                                                                                    | 230           | 892      | 1200     | 109          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Selenium, Total                                                                                                                                     | ND            | 10.7     | 12       | 112          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Silver, Total                                                                                                                                       | ND            | 26.8     | 31       | 116          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Sodium, Total                                                                                                                                       | 72J           | 892      | 1000     | 112          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Thallium, Total                                                                                                                                     | 0.18J         | 10.7     | 11       | 103          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Vanadium, Total                                                                                                                                     | 7.8           | 44.6     | 52       | 99           |      | -         | -             |      | 75-125          | -   |      | 20         |

# **Matrix Spike Analysis** **Batch Quality Control**

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| 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): 02-12,14,19,26-27,31-32,34-35,37 SB-2 |               |          |          |              |                                   |               |                 |     |            |
| QC Batch ID: WG1637749-3                                                                 |               |          |          |              | QC Sample: L2222691-02 Client ID: |               |                 |     |            |
| Zinc, Total                                                                              | 12            | 44.6     | 53       | 92           | -                                 | -             | 75-125          | -   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 SB-2 |               |          |          |              |                                   |               |                 |     |            |
| QC Batch ID: WG1637753-3                                                                 |               |          |          |              | QC Sample: L2222691-02 Client ID: |               |                 |     |            |
| Mercury, Total                                                                           | ND            | 0.15     | 0.142    | 95           | -                                 | -             | 80-120          | -   | 20         |

# Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                                                           | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 QC Batch ID: WG1637749-4 QC Sample: L2222691-02 Client ID: SB-2 |               |                  |       |     |      |            |
| Aluminum, Total                                                                                                                                     | 2000          | 1900             | mg/kg | 5   |      | 20         |
| Antimony, Total                                                                                                                                     | ND            | ND               | mg/kg | NC  |      | 20         |
| Arsenic, Total                                                                                                                                      | 1.6           | 3.0              | mg/kg | 61  | Q    | 20         |
| Barium, Total                                                                                                                                       | 16            | 14               | mg/kg | 13  |      | 20         |
| Beryllium, Total                                                                                                                                    | 0.12J         | 0.12J            | mg/kg | NC  |      | 20         |
| Cadmium, Total                                                                                                                                      | 0.04J         | 0.04J            | mg/kg | NC  |      | 20         |
| Calcium, Total                                                                                                                                      | 37000         | 53000            | mg/kg | 36  | Q    | 20         |
| Chromium, Total                                                                                                                                     | 4.3           | 4.6              | mg/kg | 7   |      | 20         |
| Cobalt, Total                                                                                                                                       | 2.2           | 2.4              | mg/kg | 9   |      | 20         |
| Copper, Total                                                                                                                                       | 4.3           | 4.3              | mg/kg | 0   |      | 20         |
| Iron, Total                                                                                                                                         | 6400          | 7000             | mg/kg | 9   |      | 20         |
| Lead, Total                                                                                                                                         | 2.7           | 3.5              | mg/kg | 26  | Q    | 20         |
| Magnesium, Total                                                                                                                                    | 12000         | 18000            | mg/kg | 40  | Q    | 20         |
| Manganese, Total                                                                                                                                    | 200           | 290              | mg/kg | 37  | Q    | 20         |
| Nickel, Total                                                                                                                                       | 4.7           | 4.6              | mg/kg | 2   |      | 20         |
| Potassium, Total                                                                                                                                    | 230           | 240              | mg/kg | 4   |      | 20         |
| Selenium, Total                                                                                                                                     | ND            | 0.88J            | mg/kg | NC  |      | 20         |
| Silver, Total                                                                                                                                       | ND            | ND               | mg/kg | NC  |      | 20         |
| Sodium, Total                                                                                                                                       | 72J           | 59J              | mg/kg | NC  |      | 20         |

# **Lab Duplicate Analysis** *Batch Quality Control*

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| Parameter                                                                                                                                           | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 QC Batch ID: WG1637749-4 QC Sample: L2222691-02 Client ID: SB-2 |               |                  |       |     |            |
| Thallium, Total                                                                                                                                     | 0.18J         | 0.39J            | mg/kg | NC  | 20         |
| Vanadium, Total                                                                                                                                     | 7.8           | 8.1              | mg/kg | 4   | 20         |
| Zinc, Total                                                                                                                                         | 12            | 12               | mg/kg | 0   | 20         |
| Total Metals - Mansfield Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 QC Batch ID: WG1637753-4 QC Sample: L2222691-02 Client ID: SB-2 |               |                  |       |     |            |
| Mercury, Total                                                                                                                                      | ND            | ND               | mg/kg | NC  | 20         |

Project Name: FORMER AIRPORT

Project Number: 508215230

# Lab Serial Dilution Analysis Batch Quality Control

Lab Number: L2222691

Report Date: 05/20/22

| Parameter                                                                                                                                           | Native Sample | Serial Dilution | Units | % D | Qual | RPD Limits |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 02-12,14,19,26-27,31-32,34-35,37 QC Batch ID: WG1637749-6 QC Sample: L2222691-02 Client ID: SB-2 |               |                 |       |     |      |            |
| Calcium, Total                                                                                                                                      | 37000         | 38000           | mg/kg | 3   |      | 20         |
| Iron, Total                                                                                                                                         | 6400          | 6600            | mg/kg | 3   |      | 20         |
| Magnesium, Total                                                                                                                                    | 12000         | 12000           | mg/kg | 0   |      | 20         |
| Manganese, Total                                                                                                                                    | 200           | 200             | mg/kg | 0   |      | 20         |

# **INORGANICS & MISCELLANEOUS**



**Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-01**Client ID:** SB-1**Sample Location:** INDUSTRIAL BLVD.**Date Collected:** 04/28/22 12:00**Date Received:** 04/29/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 84.5   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-02  
**Client ID:** SB-2  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 11:25  
**Date Received:** 04/29/22  
**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                       | 88.7   |           | %     | 0.100 | NA   | 1               | -              | 04/30/22 10:42 | 121,2540G         | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.1   | 0.24 | 1               | 05/11/22 13:35 | 05/12/22 08:51 | 1,9010C/9012B     | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-03  
**Client ID:** SB-3 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 10:20  
**Date Received:** 04/29/22  
**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                       | 91.3   |           | %     | 0.100 | NA   | 1               | -              | 04/30/22 10:42 | 121,2540G         | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.0   | 0.21 | 1               | 05/11/22 13:35 | 05/12/22 08:54 | 1,9010C/9012B     | CS      |



Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-04

Client ID: SB-3

Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 10:20

Date Received: 04/29/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 92.0   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.1   | 0.23 | 1                  | 05/11/22 13:35   | 05/12/22 08:55   | 1,9010C/9012B        | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-05  
**Client ID:** SB-4 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**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                       | 88.6   |           | %     | 0.100 | NA   | 1               | -              | 04/30/22 10:42 | 121,2540G         | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.1   | 0.23 | 1               | 05/11/22 13:35 | 05/12/22 08:56 | 1,9010C/9012B     | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-06  
**Client ID:** SB-4  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/28/22 09:35  
**Date Received:** 04/29/22  
**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                       | 90.5   |           | %     | 0.100 | NA   | 1               | -              | 04/30/22 10:42 | 121,2540G         | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.1   | 0.23 | 1               | 05/11/22 13:35 | 05/12/22 08:57 | 1,9010C/9012B     | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-07  
**Client ID:** SB-5 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**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                       | 89.7   |           | %     | 0.100 | NA   | 1               | -              | 04/30/22 10:42 | 121,2540G         | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.0   | 0.22 | 1               | 05/10/22 10:55 | 05/10/22 14:02 | 1,9010C/9012B     | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-08  
**Client ID:** SB-5  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:55  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 84.2   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.2   | 0.25 | 1                  | 05/10/22 10:55   | 05/10/22 14:05   | 1,9010C/9012B        | CS      |





Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-09

Client ID: SB-6 (0-2')

Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 12:45

Date Received: 04/29/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 92.3   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.0   | 0.22 | 1                  | 05/09/22 14:15   | 05/10/22 09:23   | 1,9010C/9012B        | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-10  
**Client ID:** SB-6  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 12:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 82.5   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.2   | 0.26 | 1                  | 05/09/22 14:15   | 05/10/22 09:26   | 1,9010C/9012B        | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-11  
**Client ID:** SB-7 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**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                       | 94.6   |           | %     | 0.100 | NA   | 1               | -              | 04/30/22 10:42 | 121,2540G         | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.0   | 0.22 | 1               | 05/09/22 10:30 | 05/09/22 14:14 | 1,9010C/9012B     | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-12  
**Client ID:** SB-7  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:35  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 88.2   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.0   | 0.22 | 1                  | 05/09/22 10:30   | 05/09/22 14:15   | 1,9010C/9012B        | CS      |



**Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-13**Client ID:** SB-8**Sample Location:** INDUSTRIAL BLVD.**Date Collected:** 04/27/22 09:40**Date Received:** 04/29/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 93.8   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |



Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-14

Client ID: SB-9

Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/27/22 10:55

Date Received: 04/29/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 93.0   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.1   | 0.22 | 1                  | 05/10/22 10:55   | 05/10/22 14:06   | 1,9010C/9012B        | CS      |



**Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-15**Client ID:** SB-10**Sample Location:** INDUSTRIAL BLVD.**Date Collected:** 04/27/22 11:05**Date Received:** 04/29/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 95.0   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-16**Client ID:** SB-11**Sample Location:** INDUSTRIAL BLVD.**Date Collected:** 04/27/22 11:35**Date Received:** 04/29/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 94.6   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |





Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-17

Client ID: SB-12

Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/26/22 15:35

Date Received: 04/29/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 88.5   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-18  
**Client ID:** SB-13  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 09:50  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 96.2   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-19  
**Client ID:** SB-14  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:15  
**Date Received:** 04/29/22  
**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                       | 93.2   |           | %     | 0.100 | NA   | 1               | -              | 04/30/22 10:42 | 121,2540G         | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 0.98  | 0.21 | 1               | 05/10/22 10:55 | 05/10/22 14:07 | 1,9010C/9012B     | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-20  
**Client ID:** SB-15  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 85.9   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 10:42   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-21**Client ID:** SB-16**Sample Location:** INDUSTRIAL BLVD.**Date Collected:** 04/27/22 10:00**Date Received:** 04/29/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 92.3   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-22  
**Client ID:** SB-17  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 10:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 96.4   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-23  
**Client ID:** SB-18  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/27/22 11:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 85.8   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-24  
**Client ID:** SB-19  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 15:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 83.8   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |





**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-25  
**Client ID:** SB-20  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 15:25  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 94.5   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-26  
**Client ID:** SB-21 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**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                       | 94.8   |           | %     | 0.100 | NA   | 1               | -              | 04/30/22 11:03 | 121,2540G         | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 0.99  | 0.21 | 1               | 05/09/22 10:30 | 05/09/22 13:58 | 1,9010C/9012B     | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-27  
**Client ID:** SB-21  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 14:05  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 95.1   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 0.96  | 0.20 | 1                  | 05/09/22 10:30   | 05/09/22 14:16   | 1,9010C/9012B        | CS      |



**Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-28**Client ID:** SB-22**Sample Location:** INDUSTRIAL BLVD.**Date Collected:** 04/26/22 13:50**Date Received:** 04/29/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 91.0   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-29  
**Client ID:** SB-23  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 13:30  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 84.8   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-30**Client ID:** SB-24**Sample Location:** INDUSTRIAL BLVD.**Date Collected:** 04/26/22 12:25**Date Received:** 04/29/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 88.6   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-31  
**Client ID:** SB-25 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 93.8   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 0.98  | 0.21 | 1                  | 05/10/22 10:55   | 05/10/22 14:08   | 1,9010C/9012B        | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-32  
**Client ID:** SB-25  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 11:15  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 80.7   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.2   | 0.26 | 1                  | 05/09/22 10:30   | 05/09/22 13:59   | 1,9010C/9012B        | CS      |





**Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22**SAMPLE RESULTS****Lab ID:** L2222691-33**Client ID:** SB-26**Sample Location:** INDUSTRIAL BLVD.**Date Collected:** 04/26/22 11:35**Date Received:** 04/29/22**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 94.5   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-34  
**Client ID:** SB-27 (0-2')  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**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                       | 92.5   |           | %     | 0.100 | NA   | 1               | -              | 04/30/22 11:03 | 121,2540G         | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.0   | 0.22 | 1               | 05/09/22 10:30 | 05/09/22 14:00 | 1,9010C/9012B     | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### SAMPLE RESULTS

**Lab ID:** L2222691-35  
**Client ID:** SB-27  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 09:45  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 84.8   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.2   | 0.24 | 1                  | 05/09/22 10:30   | 05/09/22 14:01   | 1,9010C/9012B        | CS      |



**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

**SAMPLE RESULTS**

**Lab ID:** L2222691-36  
**Client ID:** SB-28  
**Sample Location:** INDUSTRIAL BLVD.

**Date Collected:** 04/26/22 12:00  
**Date Received:** 04/29/22  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 88.0   |           | %     | 0.100 | NA  | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |



Project Name: FORMER AIRPORT

Project Number: 508215230

Lab Number: L2222691

Report Date: 05/20/22

## SAMPLE RESULTS

Lab ID: L2222691-37

Client ID: DUPE

Sample Location: INDUSTRIAL BLVD.

Date Collected: 04/28/22 09:35

Date Received: 04/29/22

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |      |                    |                  |                  |                      |         |
| Solids, Total                       | 86.0   |           | %     | 0.100 | NA   | 1                  | -                | 04/30/22 11:03   | 121,2540G            | RI      |
| Cyanide, Total                      | ND     |           | mg/kg | 1.1   | 0.23 | 1                  | 05/11/22 13:35   | 05/12/22 08:58   | 1,9010C/9012B        | CS      |



Project Name: FORMER AIRPORT

Lab Number: L2222691

Project Number: 508215230

Report Date: 05/20/22

### Method Blank Analysis Batch Quality Control

| Parameter                                                                            | Result | Qualifier | Units | RL   | MDL  | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab for sample(s): 26,32,34-35 Batch: WG1636033-1    |        |           |       |      |      |                    |                  |                  |                      |         |
| Cyanide, Total                                                                       | ND     |           | mg/kg | 0.86 | 0.18 | 1                  | 05/09/22 10:30   | 05/09/22 13:45   | 1,9010C/9012B        | CS      |
| General Chemistry - Westborough Lab for sample(s): 11-12,27 Batch: WG1636043-1       |        |           |       |      |      |                    |                  |                  |                      |         |
| Cyanide, Total                                                                       | ND     |           | mg/kg | 0.86 | 0.18 | 1                  | 05/09/22 10:30   | 05/09/22 13:45   | 1,9010C/9012B        | CS      |
| General Chemistry - Westborough Lab for sample(s): 09-10 Batch: WG1636118-1          |        |           |       |      |      |                    |                  |                  |                      |         |
| Cyanide, Total                                                                       | ND     |           | mg/kg | 0.84 | 0.18 | 1                  | 05/09/22 14:15   | 05/10/22 09:09   | 1,9010C/9012B        | CS      |
| General Chemistry - Westborough Lab for sample(s): 07-08,14,19,31 Batch: WG1636556-1 |        |           |       |      |      |                    |                  |                  |                      |         |
| Cyanide, Total                                                                       | ND     |           | mg/kg | 0.99 | 0.21 | 1                  | 05/10/22 10:55   | 05/10/22 13:58   | 1,9010C/9012B        | CS      |
| General Chemistry - Westborough Lab for sample(s): 02-06,37 Batch: WG1637117-1       |        |           |       |      |      |                    |                  |                  |                      |         |
| Cyanide, Total                                                                       | ND     |           | mg/kg | 0.96 | 0.20 | 1                  | 05/11/22 13:35   | 05/12/22 08:41   | 1,9010C/9012B        | CS      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** FORMER AIRPORT**Project Number:** 508215230**Lab Number:** L2222691**Report Date:** 05/20/22

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 26,32,34-35 Batch: WG1636033-2 WG1636033-3    |                  |      |                   |      |                     |     |      |            |
| Cyanide, Total                                                                                          | 58               | Q    | 74                | Q    | 80-120              | 7   |      | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 11-12,27 Batch: WG1636043-2 WG1636043-3       |                  |      |                   |      |                     |     |      |            |
| Cyanide, Total                                                                                          | 58               | Q    | 74                | Q    | 80-120              | 7   |      | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 09-10 Batch: WG1636118-2 WG1636118-3          |                  |      |                   |      |                     |     |      |            |
| Cyanide, Total                                                                                          | 76               | Q    | 88                |      | 80-120              | 8   |      | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 07-08,14,19,31 Batch: WG1636556-2 WG1636556-3 |                  |      |                   |      |                     |     |      |            |
| Cyanide, Total                                                                                          | 74               | Q    | 77                | Q    | 80-120              | 4   |      | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 02-06,37 Batch: WG1637117-2 WG1637117-3       |                  |      |                   |      |                     |     |      |            |
| Cyanide, Total                                                                                          | 62               | Q    | 100               |      | 80-120              | 16  |      | 35         |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| 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): 26,32,34-35 QC Batch ID: WG1636033-4 WG1636033-5 QC Sample: L2221473-08 Client ID: MS Sample       |               |          |          |              |      |           |               |      |                 |     |      |            |
| Cyanide, Total                                                                                                                                               | ND            | 12       | 11       | 94           |      | 12        | 98            |      | 75-125          | 9   |      | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 09-10 QC Batch ID: WG1636118-4 WG1636118-5 QC Sample: L2222691-09 Client ID: SB-6 (0-2')           |               |          |          |              |      |           |               |      |                 |     |      |            |
| Cyanide, Total                                                                                                                                               | ND            | 11       | 10       | 93           |      | 9.3       | 92            |      | 75-125          | 7   |      | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 07-08,14,19,31 QC Batch ID: WG1636556-4 WG1636556-5 QC Sample: L2222691-31 Client ID: SB-25 (0-2') |               |          |          |              |      |           |               |      |                 |     |      |            |
| Cyanide, Total                                                                                                                                               | ND            | 10       | 11       | 100          |      | 11        | 110           |      | 75-125          | 0   |      | 35         |
| General Chemistry - Westborough Lab Associated sample(s): 02-06,37 QC Batch ID: WG1637117-4 WG1637117-5 QC Sample: L2222691-02 Client ID: SB-2               |               |          |          |              |      |           |               |      |                 |     |      |            |
| Cyanide, Total                                                                                                                                               | ND            | 11       | 10       | 91           |      | 10        | 92            |      | 75-125          | 0   |      | 35         |



# Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

| Parameter                                                                                                                        | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1632770-1 QC Sample: L2222691-01 Client ID: SB-1  |               |                  |       |     |      |            |
| Solids, Total                                                                                                                    | 84.5          | 76.6             | %     | 10  |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 21-37 QC Batch ID: WG1632771-1 QC Sample: L2222691-21 Client ID: SB-16 |               |                  |       |     |      |            |
| Solids, Total                                                                                                                    | 92.3          | 90.4             | %     | 2   |      | 20         |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information****Cooler**                      **Custody Seal**

A                                  Absent

B                                  Absent

C                                  Absent

D                                  Absent

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                                                                                         |
|---------------------|----------------------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-01A        | Plastic 2oz unpreserved for TS         | D             | NA                    |                     | 3.2                   | Y           | Absent      |                             | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-01B        | Plastic 8oz unpreserved                | D             | NA                    |                     | 3.2                   | Y           | Absent      |                             | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-02A        | Plastic 2oz unpreserved for TS         | D             | NA                    |                     | 3.2                   | Y           | Absent      |                             | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-02B        | Metals Only-Glass 60mL/2oz unpreserved | C             | NA                    |                     | 4.2                   | Y           | Absent      |                             | SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),MG-6020T(180),AG-6020T(180),CO-6020T(180) |
| L2222691-02C        | Vial Large Septa unpreserved (4oz)     | C             | NA                    |                     | 4.2                   | Y           | Absent      |                             | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-02D        | Plastic 8oz unpreserved                | D             | NA                    |                     | 3.2                   | Y           | Absent      |                             | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-02E        | Glass 500ml/16oz unpreserved           | C             | NA                    |                     | 4.2                   | Y           | Absent      |                             | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-02X        | Vial MeOH preserved split              | C             | NA                    |                     | 4.2                   | Y           | Absent      |                             | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-02Y        | Vial Water preserved split             | C             | NA                    |                     | 4.2                   | Y           | Absent      | 02-MAY-22 16:20             | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-02Z        | Vial Water preserved split             | C             | NA                    |                     | 4.2                   | Y           | Absent      | 02-MAY-22 16:20             | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-03A        | Plastic 2oz unpreserved for TS         | D             | NA                    |                     | 3.2                   | Y           | Absent      |                             | TS(7)                                                                                                                                                                                                                                                                                                                      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Serial\_No:** 05202216:14  
**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-03B | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 4.2        | Y    | Absent |                  | BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),AG-6020T(180),MG-6020T(180),CO-6020T(180) |
| L2222691-03C | Vial Large Septa unpreserved (4oz)     | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-03D | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-03E | Glass 500ml/16oz unpreserved           | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-03X | Vial MeOH preserved split              | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-03Y | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-03Z | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-04A | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-04B | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 4.2        | Y    | Absent |                  | TL-6020T(180),FE-6020T(180),BA-6020T(180),SE-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180) |
| L2222691-04C | Vial Large Septa unpreserved (4oz)     | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-04D | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-04E | Glass 500ml/16oz unpreserved           | C      | NA         |          | 4.2        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-04X | Vial MeOH preserved split              | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-04Y | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-04Z | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-05A | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Serial\_No:**05202216:14  
**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-05B | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 4.2        | Y    | Absent |                  | FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CO-6020T(180) |
| L2222691-05C | Vial Large Septa unpreserved (4oz)     | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-05D | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-05E | Glass 500ml/16oz unpreserved           | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-05X | Vial MeOH preserved split              | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-05Y | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-05Z | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-06A | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-06B | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 4.2        | Y    | Absent |                  | TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CO-6020T(180) |
| L2222691-06C | Vial Large Septa unpreserved (4oz)     | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-06D | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-06E | Glass 500ml/16oz unpreserved           | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-06X | Vial MeOH preserved split              | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-06Y | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-06Z | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-07A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Serial\_No:** 05202216:14  
**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-07B | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 2.8        | Y    | Absent |                  | SE-6020T(180),TL-6020T(180),FE-6020T(180),BA-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180) |
| L2222691-07C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-07D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-07E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-07X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-07Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-07Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-08A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-08B | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 2.8        | Y    | Absent |                  | BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180) |
| L2222691-08C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-08D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-08E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-08X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-08Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-08Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-09A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Serial\_No:** 05202216:14  
**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-09B | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 2.8        | Y    | Absent |                  | BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),MG-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180) |
| L2222691-09C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-09D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-09E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-09X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-09Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-09Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-10A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-10B | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 2.8        | Y    | Absent |                  | FE-6020T(180),TL-6020T(180),SE-6020T(180),BA-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AL-6020T(180),AG-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),CO-6020T(180) |
| L2222691-10C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-10D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-10E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-10X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-10Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-10Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-11A | Plastic 2oz unpreserved for TS         | B      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |

**Project Name:** FORMER AIRPORT  
**Project Number:** 508215230

**Serial\_No:** 05202216:14  
**Lab Number:** L2222691  
**Report Date:** 05/20/22

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-11B | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 2.8        | Y    | Absent |                  | TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CO-6020T(180) |
| L2222691-11C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-11D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-11E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-11X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-11Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-11Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-12A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-12B | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 2.8        | Y    | Absent |                  | BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CO-6020T(180) |
| L2222691-12C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-12D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-12E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-12X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-12Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-12Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-13A | Plastic 2oz unpreserved for TS         | C      | NA         |          | 4.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-13B | Plastic 8oz unpreserved                | C      | NA         |          | 4.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-13C | Plastic 8oz unpreserved                | C      | NA         |          | 4.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-13D | Plastic 8oz unpreserved                | C      | NA         |          | 4.2        | Y    | Absent |                  | -                                                                                                                                                                                                                                                                                                                          |
| L2222691-13X | Vial MeOH preserved split              | C      | NA         |          | 4.2        | Y    | Absent |                  | A2-SPLP-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                    |

\*Values in parentheses indicate holding time in days

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**Container Information**

| Container ID  | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|---------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-13X1 | Plastic 250ml unpreserved Extracts     | C      | NA         |          | 4.2        | Y    | Absent |                  | A2-SPLP-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                    |
| L2222691-13X2 | Plastic 250ml unpreserved Extracts     | C      | NA         |          | 4.2        | Y    | Absent |                  | A2-SPLP-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                    |
| L2222691-13X3 | Plastic 250ml unpreserved Extracts     | C      | NA         |          | 4.2        | Y    | Absent |                  | A2-SPLP-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                    |
| L2222691-13X9 | Tumble Vessel                          | C      | NA         |          | 4.2        | Y    | Absent |                  | -                                                                                                                                                                                                                                                                                                                          |
| L2222691-14A  | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-14B  | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 4.2        | Y    | Absent |                  | TL-6020T(180),FE-6020T(180),BA-6020T(180),SE-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),CO-6020T(180) |
| L2222691-14C  | Vial Large Septa unpreserved (4oz)     | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-14D  | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-14E  | Glass 500ml/16oz unpreserved           | C      | NA         |          | 4.2        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-14X  | Vial MeOH preserved split              | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-14Y  | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-14Z  | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-15A  | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-15B  | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-16A  | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-16B  | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-17A  | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-17B  | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-18A  | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-18B  | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-19A  | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |



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**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-19B | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 4.2        | Y    | Absent |                  | FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),MG-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),AL-6020T(180),CO-6020T(180) |
| L2222691-19C | Vial Large Septa unpreserved (4oz)     | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-19D | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-19E | Glass 500ml/16oz unpreserved           | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-19X | Vial MeOH preserved split              | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-19Y | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-19Z | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-20A | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-20B | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-21A | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-21B | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-22A | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-22B | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-23A | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-23B | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-24A | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-24B | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-25A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-25B | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-26A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |

**Project Name:** FORMER 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(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-26B | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 2.8        | Y    | Absent |                  | FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),AG-6020T(180),MG-6020T(180),CO-6020T(180) |
| L2222691-26C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-26D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-26E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-26X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-26Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-26Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-27A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-27B | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 2.8        | Y    | Absent |                  | TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180) |
| L2222691-27C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-27D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-27E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-27X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-27Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-27Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-28A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-28B | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-29A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-29B | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |

**Project Name:** FORMER AIRPORT**Lab Number:** L2222691**Project Number:** 508215230**Report Date:** 05/20/22**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                                                                                         |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-30A        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.8               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-30B        | Plastic 8oz unpreserved                | A             | NA                |                 | 2.8               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-30C        | Plastic 8oz unpreserved                | A             | NA                |                 | 2.8               | Y           | Absent      |                         | -                                                                                                                                                                                                                                                                                                                          |
| L2222691-30D        | Plastic 8oz unpreserved                | A             | NA                |                 | 2.8               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-30X        | Vial MeOH preserved split              | A             | NA                |                 | 2.8               | Y           | Absent      |                         | A2-SPLP-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                    |
| L2222691-30X1       | Plastic 250ml unpreserved Extracts     | A             | NA                |                 | 2.8               | Y           | Absent      |                         | A2-SPLP-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                    |
| L2222691-30X2       | Plastic 250ml unpreserved Extracts     | A             | NA                |                 | 2.8               | Y           | Absent      |                         | A2-SPLP-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                    |
| L2222691-30X3       | Plastic 250ml unpreserved Extracts     | A             | NA                |                 | 2.8               | Y           | Absent      |                         | A2-SPLP-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                    |
| L2222691-30X9       | Tumble Vessel                          | A             | NA                |                 | 2.8               | Y           | Absent      |                         | -                                                                                                                                                                                                                                                                                                                          |
| L2222691-31A        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.8               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-31B        | Metals Only-Glass 60mL/2oz unpreserved | B             | NA                |                 | 2.8               | Y           | Absent      |                         | BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),CO-6020T(180) |
| L2222691-31C        | Vial Large Septa unpreserved (4oz)     | B             | NA                |                 | 2.8               | Y           | Absent      |                         | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-31D        | Plastic 8oz unpreserved                | A             | NA                |                 | 2.8               | Y           | Absent      |                         | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-31E        | Glass 500ml/16oz unpreserved           | B             | NA                |                 | 2.8               | Y           | Absent      |                         | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-31X        | Vial MeOH preserved split              | B             | NA                |                 | 2.8               | Y           | Absent      |                         | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-31Y        | Vial Water preserved split             | B             | NA                |                 | 2.8               | Y           | Absent      | 02-MAY-22 16:20         | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-31Z        | Vial Water preserved split             | B             | NA                |                 | 2.8               | Y           | Absent      | 02-MAY-22 16:20         | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-32A        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 2.8               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-32B        | Metals Only-Glass 60mL/2oz unpreserved | B             | NA                |                 | 2.8               | Y           | Absent      |                         | FE-6020T(180),TL-6020T(180),SE-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180) |

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**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-32C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-32D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-32E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-32X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-32Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-32Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-33A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-33B | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-34A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-34B | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 2.8        | Y    | Absent |                  | BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180) |
| L2222691-34C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-34D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-34E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-34X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-34Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-34Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-35A | Plastic 2oz unpreserved for TS         | A      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-35B | Metals Only-Glass 60mL/2oz unpreserved | B      | NA         |          | 2.8        | Y    | Absent |                  | BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),MG-6020T(180),CD-6020T(180),CO-6020T(180)               |
| L2222691-35C | Vial Large Septa unpreserved (4oz)     | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-35D | Plastic 8oz unpreserved                | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |

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### Container Information

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2222691-35E | Glass 500ml/16oz unpreserved           | B      | NA         |          | 2.8        | Y    | Absent |                  | TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-35X | Vial MeOH preserved split              | B      | NA         |          | 2.8        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-35Y | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-35Z | Vial Water preserved split             | B      | NA         |          | 2.8        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-36A | Plastic 2oz unpreserved for TS         | B      | NA         |          | 2.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-36B | Plastic 8oz unpreserved                | B      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-37A | Plastic 2oz unpreserved for TS         | D      | NA         |          | 3.2        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                                                      |
| L2222691-37B | Metals Only-Glass 60mL/2oz unpreserved | C      | NA         |          | 4.2        | Y    | Absent |                  | SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),AG-6020T(180),MG-6020T(180),CO-6020T(180) |
| L2222691-37C | Vial Large Septa unpreserved (4oz)     | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-37D | Plastic 8oz unpreserved                | D      | NA         |          | 3.2        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-37E | Glass 500ml/16oz unpreserved           | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)                                                                                                                                                                                                                                                                 |
| L2222691-37X | Vial MeOH preserved split              | C      | NA         |          | 4.2        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-37Y | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-37Z | Vial Water preserved split             | C      | NA         |          | 4.2        | Y    | Absent | 02-MAY-22 16:20  | NYTCL-8260-R2(14)                                                                                                                                                                                                                                                                                                          |
| L2222691-38A | Plastic 250ml unpreserved              | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |
| L2222691-38B | Plastic 250ml unpreserved              | A      | NA         |          | 2.8        | Y    | Absent |                  | A2-NY-537-ISOTOPE(14)                                                                                                                                                                                                                                                                                                      |

### Container Comments

L2222691-30X3

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### 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         | 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 (PFSA's)                                  |              |             |
| Perfluorododecanesulfonic Acid                                          | PFDoDS       | 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    |
| 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         | 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 (PFESA's)                                 |              |             |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid                                  | PFEEESA      | 113507-82-7 |
| PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCA's)                     |              |             |
| 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 |

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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.)<br><br>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 AIRPORT  
**Project Number:** 508215230

**Lab Number:** L2222691  
**Report Date:** 05/20/22

### 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.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, 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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**Report Format:** DU Report with 'J' Qualifiers





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**Data Qualifiers**

- 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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**Report Date:** 05/20/22

## 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.



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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**Certification Information**

The following analytes are not included in our Primary NELAP Scope of Accreditation:

**Westborough Facility****EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

**Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, 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.

|  <b>NEW YORK CHAIN OF CUSTODY</b><br>Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193<br>Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3268                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105                                                                                  |      | Page<br><div style="border: 1px solid black; padding: 2px; display: inline-block;">1 of 4</div>                                                                                                                                                                                                                                                                            |                    | Date Rec'd<br>in Lab <b>4/30/22</b>                                                                                                                                                                                       |           | ALPHA Job #<br><b>L2222691</b>                                                                                                                                                         |     |                 |               |                                                                         |            |     |     |         |  |                                                       |  |                    |  |                                                                                                                                                                                                                                                                              |  |  |      |         |          |      |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |   |   |   |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                 |  |
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<b>508215230</b><br>(Use Project name as Project #) <input type="checkbox"/>                                  |      | <b>Deliverables</b><br><input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B<br><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)<br><input type="checkbox"/> Other                                                                                                                                                                  |                    | <b>Billing Information</b><br><input checked="" type="checkbox"/> Same as Client Info<br>PO #                                                                                                                             |           |                                                                                                                                                                                        |     |                 |               |                                                                         |            |     |     |         |  |                                                       |  |                    |  |                                                                                                                                                                                                                                                                              |  |  |      |         |          |      |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |   |   |   |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                 |  |
| <b>Client Information</b><br>Client: <b>KAS, Inc</b><br>Address: <b>13 Letour Ave Suite 204</b><br><b>Plattsburgh, NY 12901</b><br>Phone: <b>518 563 9445</b><br>Fax:<br>Email: <b>Anthony.H@KAS-consulting.com</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | Project Manager: <b>Anthony Harvey</b><br>ALPHAQuote #: <b>19241</b><br><b>Turn-Around Time</b><br>Standard <input checked="" type="checkbox"/> Due Date: <b>ASAP</b><br>Rush (only if pre approved) <input type="checkbox"/> # of Days: |      | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input checked="" type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |                    | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |           |                                                                                                                                                                                        |     |                 |               |                                                                         |            |     |     |         |  |                                                       |  |                    |  |                                                                                                                                                                                                                                                                              |  |  |      |         |          |      |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |   |   |   |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                 |  |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:<br><div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <b>* Do not analyze for Herbicides</b> </div> Please specify Metals or TAL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                       |      |                                                                                                                                                                                                                                                                                                                                                                            |                    | <b>ANALYSIS</b>                                                                                                                                                                                                           |           | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below) |     | Total<br>Bottle |               |                                                                         |            |     |     |         |  |               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| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID<br/>(Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">PFAS-537.1</th> <th rowspan="2">TCL</th> <th rowspan="2">TAL</th> <th rowspan="2">Cyanide</th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>22691-01</td> <td>SB-1</td> <td>4/28/22</td> <td>1200</td> <td>Soil</td> <td>AH</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-02</td> <td>SB-2</td> <td>4/28/22</td> <td>1125</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> 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                                 |      |                                                                                                                                                                                                                                                                                                                                                                            |                    | ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                            | Sample ID | Collection                                                                                                                                                                             |     |                 | Sample Matrix | Sampler's Initials                                                      | PFAS-537.1 | TCL | TAL | Cyanide |  |                                                       |  |                    |  |                                                                                                                                                                                                                                                                              |  |  | Date | Time    | 22691-01 | SB-1 | 4/28/22 | 1200 | Soil | AH | X |  |  |  |  |  |  |  |  |  |  |  | -02 | SB-2 | 4/28/22 | 1125 |  |  |  | X | X | X |  |  |  |  |  |  |  |  | -03 | SB-3 (0-2') | 4/28/22 | 1020 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -04 | SB-3 | 4/28/22 | 1020 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -05 | SB-4 (0-2') | 4/28/22 | 935 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -06 | SB-4 | 4/28/22 | 935 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -07 | SB-5 (0-2') | 4/27/22 | 1155 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -08 | SB-5 | 4/27/22 | 1155 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -09 | SB-6 (0-2') | 4/27/22 | 1245 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -10 | SB-7 (0-2') | 4/27/22 | 1245 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>Sample Specific Comments</b> |  |
| ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 22691-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| -02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| -06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| -07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| -08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| -09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |                                                                                                                                                                                                                                          |      |                                                                                                                                                                                                                                                                                                                                                                            |                    | Container Code:<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle                                                                   |           |                                                                                                                                                                                        |     |                 |               | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015 |            |     |     |         |  | Container Type<br>Preservative                        |  | P G G G<br>A A A A |  | 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.) |  |  |      |         |          |      |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |   |   |   |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                 |  |
| Relinquished By: <b>B. Lyons</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |                                                                                                                                                                                                                                          |      |                                                                                                                                                                                                                                                                                                                                                                            |                    | Date/Time: <b>4/29/22 950</b><br><b>4/29/22 17:15</b>                                                                                                                                                                     |           |                                                                                                                                                                                        |     |                 |               | Received By: <b>B. Lyons AAL</b>                                        |            |     |     |         |  | Date/Time: <b>4/29/22 1200</b><br><b>4/30/22 0010</b> |  |                    |  |                                                                                                                                                                                                                                                                              |  |  |      |         |          |      |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |   |   |   |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |             |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                 |  |



|  <b>NEW YORK CHAIN OF CUSTODY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105                                                                           |      | Page<br>2 of 4                                                                                                                                                                                                                                                                                                                                                             |                    | Date Rec'd in Lab <u>4/30/22</u>                                                                                                                                                                                          |           | ALPHA Job # <u>L2222691</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                               |               |                    |   |   |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |   |   |          |             |         |      |      |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                              |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                 |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193                                                                                                                                                   |      | Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288                                                                                                                                                                                                                                                                                           |                    | <b>Project Information</b><br>Project Name: <u>Former Airport</u><br>Project Location: <u>Industrial Blvd</u><br>Project # <u>508215230</u><br>(Use Project name as Project #) <input type="checkbox"/>                   |           | <b>Deliverables</b><br><input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B<br><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)<br><input type="checkbox"/> Other                                                                                                                                                                                                                                                                                                                                  |  | <b>Billing Information</b><br><input checked="" type="checkbox"/> Same as Client Info<br>PO # |               |                    |   |   |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |   |   |          |             |         |      |      |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                              |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                 |
| <b>Client Information</b><br>Client: <u>KAS, Inc</u><br>Address: <u>13 Letour Ave, Suite 201</u><br><u>Plattsburgh, NY 12901</u><br>Phone: <u>518 563 9445</u><br>Fax:<br>Email: <u>Anthony.H@KAS-Consulting.com</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             | Project Manager: <u>Anthony Harvey</u><br>ALPHAQuote #: <u>18249</u><br>Turn-Around Time<br>Standard <input checked="" type="checkbox"/> Due Date: <u>ASAP</u><br>Rush (only if pre approved) <input type="checkbox"/> # of Days: |      | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input checked="" type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |                    | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                               |               |                    |   |   |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |   |   |          |             |         |      |      |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                              |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                 |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:<br><u>* Do not analyze for Herbicides.</u><br>Please specify Metals or TAL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                                                            |                    | <b>ANALYSIS</b>                                                                                                                                                                                                           |           | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br>Preservation<br><input type="checkbox"/> Lab to do<br>(Please Specify below)                                                                                                                                                                                                                                                                                                                                                            |  | Total Bottles                                                                                 |               |                    |   |   |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |   |   |          |             |         |      |      |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                              |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     | 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| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID<br/>(Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th colspan="10"></th> </tr> <tr> <th>Date</th> <th>Time</th> <th colspan="10"></th> </tr> </thead> <tbody> <tr> <td>22691-11</td> <td>SB-7 (0-2')</td> <td>4/26/22</td> <td>1435</td> <td>Soil</td> <td>Alt</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-12</td> <td>SB-7</td> <td>4/26/22</td> <td>1435</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-13</td> <td>SB-8</td> <td>4/27/22</td> <td>940</td> <td></td> <td></td> <td></td> <td></td> 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| ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | Container Code:<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle                                                                           |      | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015                                                                                                                                                                                                                                                                                                    |                    | Container Type<br>Preservative                                                                                                                                                                                            |           | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>P</td><td>P</td><td>G</td><td>G</td><td>G</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>A</td><td>A</td><td>A</td><td>A</td><td>A</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> |  | P                                                                                             | P             | G                  | G | G |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  | A | A | A        | A           | A       |      |      |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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.) |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                 |
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| Relinquished By: <u>B. Lyons</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             | Date/Time: <u>4/29/22 9:50</u><br><u>4/29/22 17:15</u>                                                                                                                                                                            |      | Received By: <u>B. Lyons</u>                                                                                                                                                                                                                                                                                                                                               |                    | Date/Time: <u>4/29/22 12:50</u><br><u>4/30/22 0010</u>                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                               |               |                    |   |   |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |   |   |          |             |         |      |      |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                              |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |      |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                 |

|  <b>NEW YORK CHAIN OF CUSTODY</b><br>Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193<br>Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288 |              | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105                                                             |      | Page<br><div style="border: 1px solid black; padding: 2px; display: inline-block;">3 of 4</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    | Date Rec'd<br>in Lab <b>4/30/22</b>                                                                                                                                                                                                                                                                                                                                        |           | ALPHA Job #<br><b>L2222691</b>                                                                                                                                                                                                                                               |                 |      |               |                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |          |       |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |              |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |          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|-------|---------|------|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---------------------------------|
|                                                                                                                                                                                                                                                                                          |              | <b>Project Information</b><br>Project Name: <b>Former Airport</b><br>Project Location: <b>Industrial Blvd</b><br>Project # <b>508215230</b><br>(Use Project name as Project #) <input type="checkbox"/>             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    | <b>Deliverables</b><br><input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B<br><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)<br><input type="checkbox"/> Other                                                                                                                                                                  |           | <b>Billing Information</b><br><input checked="" type="checkbox"/> Same as Client Info<br>PO #                                                                                                                                                                                |                 |      |               |                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |          |       |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |              |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |                                 |
|                                                                                                                                                                                                                                                                                          |              | <b>Client Information</b><br>Client: <b>KAS, Inc</b><br>Address: <b>13 Labor Ave, Suite 201</b><br><b>Plattsburgh, NY 12901</b><br>Phone: <b>518 563 9445</b><br>Fax:<br>Email: <b>Anthony.H@KAS-consulting.com</b> |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input checked="" type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |           | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other:                                                    |                 |      |               |                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |          |       |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |              |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    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| <b>Turn-Around Time</b><br>Standard <input checked="" type="checkbox"/> Due Date: <b>ASAP</b><br>Rush (only if pre approved) <input type="checkbox"/> # of Days:                                                                                                                         |              |                                                                                                                                                                                                                     |      | <b>ANALYSIS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    | <b>Sample Filtration</b><br><input type="checkbox"/> Done<br><input type="checkbox"/> Lab to do<br><b>Preservation</b><br><input type="checkbox"/> Lab to do<br>(Please Specify below)                                                                                                                                                                                     |           | Total Bottles                                                                                                                                                                                                                                                                |                 |      |               |                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |          |       |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |              |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |    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| These samples have been previously analyzed by Alpha <input type="checkbox"/><br>Other project specific requirements/comments:<br><div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <b>* Do not analyze for Herbicides</b> </div> Please specify Metals or TAL.      |              |                                                                                                                                                                                                                     |      | <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> <b>PFAS - 5371</b><br/> <b>SPL</b><br/> <b>TAL*</b><br/> <b>TAL</b><br/> <b>Cyanide</b> </div> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>ALPHA Lab ID (Lab Use Only)</th> <th>Sample ID</th> <th>Collection Date</th> <th>Time</th> <th>Sample Matrix</th> <th>Sampler's Initials</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>22691-21</td> <td>SB-16</td> <td>4/27/22</td> <td>1800</td> <td>Soil</td> <td>AH</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-22</td> <td>SB-17</td> <td>4/27/22</td> <td>1805</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-23</td> <td>SB-18</td> <td>4/27/22</td> <td>1125</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-24</td> <td>SB-19</td> <td>4/26/22</td> <td>1505</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> 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<tr> <td>-29</td> <td>SB-23</td> <td>4/26/22</td> <td>1330</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-30</td> <td>SB-24</td> <td>4/26/22</td> <td>1225</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> </div> |                    | ALPHA Lab ID (Lab Use Only)                                                                                                                                                                                                                                                                                                                                                | Sample ID |                                                                                                                                                                                                                                                                              | Collection Date | Time | Sample Matrix | Sampler's Initials |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 22691-21 | SB-16 | 4/27/22 | 1800 | Soil | AH | X |  |  |  |  |  |  |  |  |  |  |  |  |  | -22 | SB-17 | 4/27/22 | 1805 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -23 | SB-18 | 4/27/22 | 1125 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -24 | SB-19 | 4/26/22 | 1505 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -25 | SB-20 | 4/26/22 | 1525 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -26 | SB-21 (0-2') | 4/26/22 | 1405 |  |  |  |  |  |  |  | X | X | X |  |  |  |  |  |  | -27 | SB-21 | 4/26/22 | 1405 |  |  |  |  |  |  |  | X | X | X |  |  |  |  |  |  | -28 | SB-22 | 4/26/22 | 1350 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -29 | SB-23 | 4/26/22 | 1330 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -30 | SB-24 | 4/26/22 | 1225 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  | <b>Sample Specific Comments</b> |
| ALPHA Lab ID (Lab Use Only)                                                                                                                                                                                                                                                              | Sample ID    | Collection Date                                                                                                                                                                                                     | Time | Sample Matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| 22691-21                                                                                                                                                                                                                                                                                 | SB-16        | 4/27/22                                                                                                                                                                                                             | 1800 | Soil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| -22                                                                                                                                                                                                                                                                                      | SB-17        | 4/27/22                                                                                                                                                                                                             | 1805 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| -23                                                                                                                                                                                                                                                                                      | SB-18        | 4/27/22                                                                                                                                                                                                             | 1125 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| -24                                                                                                                                                                                                                                                                                      | SB-19        | 4/26/22                                                                                                                                                                                                             | 1505 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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   |         |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |                                 |
| -25                                                                                                                                                                                                                                                                                      | SB-20        | 4/26/22                                                                                                                                                                                                             | 1525 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| -26                                                                                                                                                                                                                                                                                      | SB-21 (0-2') | 4/26/22                                                                                                                                                                                                             | 1405 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| -27                                                                                                                                                                                                                                                                                      | SB-21        | 4/26/22                                                                                                                                                                                                             | 1405 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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   |         |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |                                 |
| -28                                                                                                                                                                                                                                                                                      | SB-22        | 4/26/22                                                                                                                                                                                                             | 1350 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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   |         |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |                                 |
| -29                                                                                                                                                                                                                                                                                      | SB-23        | 4/26/22                                                                                                                                                                                                             | 1330 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| -30                                                                                                                                                                                                                                                                                      | SB-24        | 4/26/22                                                                                                                                                                                                             | 1225 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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   |         |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |                                 |
| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other                                          |              | Container Code:<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle                                                             |      | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    | Container Type<br><div style="display: flex; justify-content: space-around;"> P   P   G   G   G </div> Preservative<br><div style="display: flex; justify-content: space-around;"> A   A   A   A   A </div>                                                                                                                                                                |           | 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.) |                 |      |               |                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |          |       |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |              |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |                                 |
| Relinquished By:<br><br><b>B. Lyons</b>                                                                                                                                                               |              | Date/Time<br><b>4/29/22 9:50</b><br><b>4/29/22 17:15</b>                                                                                                                                                            |      | Received By:<br><b>B. Lyons</b> <b>AAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    | Date/Time<br><b>4/29/22 12:00</b><br><b>4/30/22 09:00</b>                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                              |                 |      |               |                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |          |       |         |      |      |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |              |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |                                 |



|  <b>NEW YORK CHAIN OF CUSTODY</b><br>Westborough, MA 01581<br>8 Walkup Dr.<br>TEL: 508-898-9220<br>FAX: 508-898-9193<br>Mansfield, MA 02048<br>320 Forbes Blvd<br>TEL: 508-822-9300<br>FAX: 508-822-3288                                                       |                 | <b>Service Centers</b><br>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5<br>Albany, NY 12205: 14 Walker Way<br>Tonawanda, NY 14150: 275 Cooper Ave, Suite 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      | Page<br><div style="border: 1px solid black; padding: 2px; display: inline-block;">4 of 4</div>                                                                                                                                                                                                                                                                            |           | Date Rec'd<br>in Lab <span style="font-size: 1.2em;">4/30/22</span>                                                                                                                                                       |                    | ALPHA Job #<br><span style="font-size: 1.2em;">L7222691</span>                                                                                                                                                                                                               |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
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|                                                                                                                                                                                                                                                                                                                                                |                 | <b>Project Information</b><br>Project Name: <span style="font-size: 1.1em;">Former Airport</span><br>Project Location: <span style="font-size: 1.1em;">Industrial Blvd</span><br>Project # <span style="font-size: 1.1em;">508215230</span><br>(Use Project name as Project #) <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      | <b>Deliverables</b><br><input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B<br><input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File)<br><input type="checkbox"/> Other                                                                                                                                                                  |           | <b>Billing Information</b><br><input checked="" type="checkbox"/> Same as Client Info<br>PO #                                                                                                                             |                    |                                                                                                                                                                                                                                                                              |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| <b>Client Information</b><br>Client: <span style="font-size: 1.1em;">KAS, Inc</span><br>Address: <span style="font-size: 1.1em;">10 Latham Ave, Suite 204<br/>Plattsburgh, NY 12901</span><br>Phone: <span style="font-size: 1.1em;">518 563 9445</span><br>Fax:<br>Email: <span style="font-size: 1.1em;">Anthony.H@kas-consulting.com</span> |                 | <b>Project Manager:</b> <span style="font-size: 1.1em;">Anthony Harvey</span><br><b>ALPHAQuote #:</b> <span style="font-size: 1.1em;">18249</span><br><b>Turn-Around Time</b><br>Standard <input checked="" type="checkbox"/> Due Date: <span style="font-size: 1.1em;">ASAP</span><br>Rush (only if pre approved) <input type="checkbox"/> # of Days:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | <b>Regulatory Requirement</b><br><input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375<br><input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51<br><input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other<br><input checked="" type="checkbox"/> NY Unrestricted Use<br><input type="checkbox"/> NYC Sewer Discharge |           | <b>Disposal Site Information</b><br>Please identify below location of applicable disposal facilities.<br>Disposal Facility:<br><input type="checkbox"/> NJ <input type="checkbox"/> NY<br><input type="checkbox"/> Other: |                    |                                                                                                                                                                                                                                                                              |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| These samples have been previously analyzed by Alpha <input type="checkbox"/><br><b>Other project specific requirements/comments:</b><br><div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <span style="font-size: 1.1em;">* Do not analyze for herbicides</span> </div>                                                   |                 | <b>ANALYSIS</b><br><div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p style="font-size: 0.8em; margin-top: 0;">Please specify Metals or TAL.</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID<br/>(Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th colspan="8"></th> </tr> <tr> <th>Date</th> <th>Time</th> <th colspan="8"></th> </tr> </thead> <tbody> <tr> <td>22691-31</td> <td>SB-25 (0-2')</td> <td>4/26/22</td> <td>1115</td> <td>Soil</td> <td>Alt</td> <td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-32</td> <td>SB-25</td> <td>4/26/22</td> <td>1115</td> <td></td> <td></td> <td></td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-33</td> <td>SB-26</td> <td>4/26/22</td> <td>1135</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-34</td> <td>SB-27 (0-2')</td> <td>4/26/22</td> <td>945</td> <td></td> <td></td> <td></td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-35</td> <td>SB-27</td> <td>4/26/22</td> <td>945</td> <td></td> <td></td> <td></td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-36</td> <td>SB-28</td> <td>4/26/22</td> <td>1200</td> <td></td> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-37</td> <td>DUPE</td> <td>4/29/22</td> <td>935</td> <td>↓</td> <td></td> <td></td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>-38</td> <td>Equipment Blank</td> <td>4/28/22</td> <td>1225</td> <td>water</td> <td>↓</td> <td>↓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table> </div> <div style="width: 55%;"> <p style="font-size: 0.8em; margin-top: 0;"> <b>Sample Filtration</b><br/> <input type="checkbox"/> Done<br/> <input type="checkbox"/> Lab to do<br/> <b>Preservation</b><br/> <input type="checkbox"/> Lab to do<br/>           (Please Specify below)<br/> <b>Sample Specific Comments</b> </p> </div> </div> |      | ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                                                                                                                                                                             | Sample ID | Collection                                                                                                                                                                                                                |                    | Sample Matrix                                                                                                                                                                                                                                                                | Sampler's Initials |  |  |  |  |  |  |  |  | Date | Time |  |  |  |  |  |  |  |  | 22691-31 | SB-25 (0-2') | 4/26/22 | 1115 | Soil | Alt | X | X | X | X |  |  |  |  |  | -32 | SB-25 | 4/26/22 | 1115 |  |  |  | X | X | X |  |  |  |  |  | -33 | SB-26 | 4/26/22 | 1135 |  |  |  |  |  |  |  |  |  |  |  | -34 | SB-27 (0-2') | 4/26/22 | 945 |  |  |  | X | X | X |  |  |  |  |  | -35 | SB-27 | 4/26/22 | 945 |  |  |  | X | X | X |  |  |  |  |  | -36 | SB-28 | 4/26/22 | 1200 |  |  |  |  |  |  |  |  |  |  |  | -37 | DUPE | 4/29/22 | 935 | ↓ |  |  | X | X | X |  |  |  |  |  | -38 | Equipment Blank | 4/28/22 | 1225 | water | ↓ | ↓ |  |  |  |  |  |  |  |  | <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 0.8em; text-align: center;">Total Bottles</div> |  |
| ALPHA Lab ID<br>(Lab Use Only)                                                                                                                                                                                                                                                                                                                 | Sample ID       | Collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                                                                                                                                                                                                                                                                                                                                            |           | Sample Matrix                                                                                                                                                                                                             | Sampler's Initials |                                                                                                                                                                                                                                                                              |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
|                                                                                                                                                                                                                                                                                                                                                |                 | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Time |                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                           |                    |                                                                                                                                                                                                                                                                              |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| 22691-31                                                                                                                                                                                                                                                                                                                                       | SB-25 (0-2')    | 4/26/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1115 | Soil                                                                                                                                                                                                                                                                                                                                                                       | Alt       | X                                                                                                                                                                                                                         | X                  | X                                                                                                                                                                                                                                                                            | X                  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| -32                                                                                                                                                                                                                                                                                                                                            | SB-25           | 4/26/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1115 |                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                           | X                  | X                                                                                                                                                                                                                                                                            | X                  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| -33                                                                                                                                                                                                                                                                                                                                            | SB-26           | 4/26/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1135 |                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                           |                    |                                                                                                                                                                                                                                                                              |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| -34                                                                                                                                                                                                                                                                                                                                            | SB-27 (0-2')    | 4/26/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 945  |                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                           | X                  | X                                                                                                                                                                                                                                                                            | X                  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| -35                                                                                                                                                                                                                                                                                                                                            | SB-27           | 4/26/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 945  |                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                           | X                  | X                                                                                                                                                                                                                                                                            | X                  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| -36                                                                                                                                                                                                                                                                                                                                            | SB-28           | 4/26/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1200 |                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                           |                    |                                                                                                                                                                                                                                                                              |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| -37                                                                                                                                                                                                                                                                                                                                            | DUPE            | 4/29/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 935  | ↓                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                           | X                  | X                                                                                                                                                                                                                                                                            | X                  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| -38                                                                                                                                                                                                                                                                                                                                            | Equipment Blank | 4/28/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1225 | water                                                                                                                                                                                                                                                                                                                                                                      | ↓         | ↓                                                                                                                                                                                                                         |                    |                                                                                                                                                                                                                                                                              |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| Preservative Code:<br>A = None<br>B = HCl<br>C = HNO <sub>3</sub><br>D = H <sub>2</sub> SO <sub>4</sub><br>E = NaOH<br>F = MeOH<br>G = NaHSO <sub>4</sub><br>H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>K/E = Zn Ac/NaOH<br>O = Other                                                                                                |                 | Container Code:<br>P = Plastic<br>A = Amber Glass<br>V = Vial<br>G = Glass<br>B = Bacteria Cup<br>C = Cube<br>O = Other<br>E = Encore<br>D = BOD Bottle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      | Westboro: Certification No: MA935<br>Mansfield: Certification No: MA015                                                                                                                                                                                                                                                                                                    |           | Container Type <span style="font-size: 1.2em;">P</span><br>Preservative <span style="font-size: 1.2em;">A</span>                                                                                                          |                    | 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.) |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| Relinquished By: <span style="font-size: 1.1em;">Bilyons</span>                                                                                                                                                                                                                                                                                |                 | Date/Time: <span style="font-size: 1.1em;">4/29/22 958</span><br><span style="font-size: 1.1em;">4/29/22 17:15</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      | Received By: <span style="font-size: 1.1em;">Bilyons AAL</span>                                                                                                                                                                                                                                                                                                            |           | Date/Time: <span style="font-size: 1.1em;">4/29/22 12:00</span><br><span style="font-size: 1.1em;">4/30/22 00:00</span>                                                                                                   |                    |                                                                                                                                                                                                                                                                              |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |
| Form No: 01-25 HC (rev. 30-Sept-2013)                                                                                                                                                                                                                                                                                                          |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                           |                    |                                                                                                                                                                                                                                                                              |                    |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |          |              |         |      |      |     |   |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |              |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |     |  |  |  |   |   |   |  |  |  |  |  |     |       |         |      |  |  |  |  |  |  |  |  |  |  |  |     |      |         |     |   |  |  |   |   |   |  |  |  |  |  |     |                 |         |      |       |   |   |  |  |  |  |  |  |  |  |                                                                                                                              |  |



## **APPENDIX D**

### **SOIL BORING LOGS**







# BORING LOG DIAGRAM

Boring No: SB-2

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/28/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

| Grade = 0 | Well Construction                                                              | Pen/Rec (") | Interval (") | Soil Characteristics                                        | Letter S | Graphic |                                          |  |
|-----------|--------------------------------------------------------------------------------|-------------|--------------|-------------------------------------------------------------|----------|---------|------------------------------------------|--|
|           |                                                                                |             | PID (ppmv)   |                                                             |          |         |                                          |  |
| 0.5       | <div><div>Ft &lt; Grade</div><div>2.5'</div><div>No Well Installed</div></div> | 48/24       | 0-48"        | 0 - 2.0' Brown, fine to coarse sand and gravel, trace silt. | SP       |         |                                          |  |
| 1.0       |                                                                                |             | 0.0          | 2.0 - 4.0' Gray, clayey sand and gravel.<br>Wet @ 2.5'      | SC       |         |                                          |  |
| 1.5       |                                                                                |             |              |                                                             |          |         |                                          |  |
| 2.0       |                                                                                |             |              |                                                             |          |         |                                          |  |
| 2.5       |                                                                                |             |              |                                                             |          |         |                                          |  |
| 3.0       |                                                                                |             |              |                                                             |          |         |                                          |  |
| 3.5       |                                                                                |             |              |                                                             |          |         |                                          |  |
| 4.0       |                                                                                |             |              |                                                             |          |         |                                          |  |
| 4.5       |                                                                                | 24/12       | 48-72"       |                                                             |          |         | 4.0 - 8.0' Gray, clayey sand and gravel. |  |
| 5.0       |                                                                                |             |              |                                                             |          |         | 0.0                                      |  |
| 5.5       |                                                                                |             |              |                                                             |          |         | Boring Terminated @ 6.0'                 |  |
| 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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

WOH - Weight of Hammer



# BORING LOG DIAGRAM

Boring No: SB-3

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/28/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

| Grade = 0<br>0.5<br>1.0<br>1.5<br>2.0<br>2.5<br>3.0<br>3.5<br>4.0<br>4.5<br>5.0<br>5.5<br>6.0<br>6.5<br>7.0<br>7.5<br>8.0<br>8.5<br>9.0<br>9.5<br>10.0<br>10.5<br>11.0<br>11.5<br>12.0<br>12.5<br>13.0<br>13.5<br>14.0<br>14.5<br>15.0<br>15.5<br>16.0<br>16.5<br>17.0<br>17.5<br>18.0<br>18.5<br>19.0 | Well Construction               | Pen/Rec ("") | Interval ("") | Soil Characteristics                                       | Letter Symbol | Graphic Symbol |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------|---------------|------------------------------------------------------------|---------------|----------------|
|                                                                                                                                                                                                                                                                                                        |                                 |              |               |                                                            |               |                |
| Ft < Grade<br>↓                                                                                                                                                                                                                                                                                        | No<br>Well<br>Installed<br>3.5' | 48/20        | 0-48"<br>0.0  | 0 - 2.0' Brown fine to coarse sand and gravel, trace silt. | SP            |                |
|                                                                                                                                                                                                                                                                                                        |                                 |              |               | 2.0 - 4.0' Gray, clayey sand and gravel.<br>Wet @ 3.5'     | SC            |                |
|                                                                                                                                                                                                                                                                                                        |                                 | 48/28        | 48-96"<br>0.0 | 4.0 - 8.0' Gray, clayey sand and gravel.                   |               |                |
|                                                                                                                                                                                                                                                                                                        |                                 |              |               | Boring Terminated @ 8.0'                                   |               |                |

## 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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

Plug Point

Approximate Water Level During Drilling, below grade

WOH - Weight of Hammer



# BORING LOG DIAGRAM

Boring No: SB-4

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/28/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

| Grade = 0 | Well Construction               | Pen/Rec ("") | Interval ("") | Soil Characteristics                                       | Letter Symbol | Graphic Symbol |
|-----------|---------------------------------|--------------|---------------|------------------------------------------------------------|---------------|----------------|
|           |                                 |              | PID (ppmv)    |                                                            |               |                |
| 0.5       | No<br>Well<br>Installed<br>3.5' | 48/30        | 0-48"<br>0.0  | 0 - 2.0' Brown fine to coarse sand and gravel, trace silt. | SP            |                |
| 1.0       |                                 |              |               |                                                            |               |                |
| 1.5       | No<br>Well<br>Installed<br>3.5' | 48/30        | 0-48"<br>0.0  |                                                            |               |                |
| 2.0       |                                 |              |               |                                                            |               |                |
| 2.5       | No<br>Well<br>Installed<br>3.5' | 48/30        | 0-48"<br>0.0  | 2.0 - 4.0' Gray, clayey sand and gravel.<br>Wet @ 3.5'     | SC            |                |
| 3.0       |                                 |              |               |                                                            |               |                |
| 3.5       | No<br>Well<br>Installed<br>3.5' | 48/30        | 0-48"<br>0.0  |                                                            |               |                |
| 4.0       |                                 |              |               |                                                            |               |                |
| 4.5       | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 | 4.0 - 8.0' Gray, clayey sand and gravel.                   |               |                |
| 5.0       |                                 |              |               |                                                            |               |                |
| 5.5       | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 6.0       |                                 |              |               |                                                            |               |                |
| 6.5       | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 7.0       |                                 |              |               |                                                            |               |                |
| 7.5       | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 8.0       |                                 |              |               | Boring Terminated @ 8.0'                                   |               |                |
| 8.5       | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 9.0       |                                 |              |               |                                                            |               |                |
| 9.5       | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 10.0      |                                 |              |               |                                                            |               |                |
| 10.5      | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 11.0      |                                 |              |               |                                                            |               |                |
| 11.5      | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 12.0      |                                 |              |               |                                                            |               |                |
| 12.5      | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 13.0      |                                 |              |               |                                                            |               |                |
| 13.5      | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 14.0      |                                 |              |               |                                                            |               |                |
| 14.5      | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 15.0      |                                 |              |               |                                                            |               |                |
| 15.5      | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 16.0      |                                 |              |               |                                                            |               |                |
| 16.5      | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 17.0      |                                 |              |               |                                                            |               |                |
| 17.5      | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 18.0      |                                 |              |               |                                                            |               |                |
| 18.5      | No<br>Well<br>Installed<br>3.5' | 48/48        | 48-96"<br>0.0 |                                                            |               |                |
| 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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

WOH - Weight of Hammer







# BORING LOG DIAGRAM

Boring No: SB-7

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/26/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

Letter Symbol

Graphic Symbol

| Grade = 0<br>0.5<br>1.0<br>1.5<br>2.0<br>2.5<br>3.0<br>3.5<br>4.0<br>4.5<br>5.0<br>5.5<br>6.0<br>6.5<br>7.0<br>7.5<br>8.0<br>8.5<br>9.0<br>9.5<br>10.0<br>10.5<br>11.0<br>11.5<br>12.0<br>12.5<br>13.0<br>13.5<br>14.0<br>14.5<br>15.0<br>15.5<br>16.0<br>16.5<br>17.0<br>17.5<br>18.0<br>18.5<br>19.0 | Well Construction | Pen/Rec ("") | Interval ("")<br>PID (ppmv) | Soil Characteristics                                                                           | Letter Symbol | Graphic Symbol |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|-----------------------------|------------------------------------------------------------------------------------------------|---------------|----------------|
|                                                                                                                                                                                                                                                                                                        |                   |              |                             |                                                                                                |               |                |
| Ft < Grade<br>↓<br>No Well Installed<br><br>6.0'<br>▼                                                                                                                                                                                                                                                  |                   | 48/38        | 0-48"<br>0.0                | 0 - 4.0' Tan, fine to coarse sand, trace gravel and silt.                                      | SP            |                |
|                                                                                                                                                                                                                                                                                                        |                   | 48/24        | 0-96"<br>0.0                | 4.0 - 8.0' Tan, fine to coarse sand, little gravel, trace silt.<br><br>Wet @ 6.0'              |               |                |
|                                                                                                                                                                                                                                                                                                        |                   | 48/24        | 96-144"<br>0.0              | 4.0 - 8.0' Brown, fine to coarse sand and gravel, trace silt.<br><br>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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

WOH - Weight of Hammer



# BORING LOG DIAGRAM

Boring No: SB-8

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/27/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

Letter Symbol

Graphic Symbol

| Grade = 0<br>0.5<br>1.0<br>1.5<br>2.0<br>2.5<br>3.0<br>3.5<br>4.0<br>4.5<br>5.0<br>5.5<br>6.0<br>6.5<br>7.0<br>7.5<br>8.0<br>8.5<br>9.0<br>9.5<br>10.0<br>10.5<br>11.0<br>11.5<br>12.0<br>12.5<br>13.0<br>13.5<br>14.0<br>14.5<br>15.0<br>15.5<br>16.0<br>16.5<br>17.0<br>17.5<br>18.0<br>18.5<br>19.0 | Well Construction | Pen/Rec ("") | Interval ("")<br>PID (ppmv) | Soil Characteristics                                                          | Letter Symbol | Graphic Symbol |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|-----------------------------|-------------------------------------------------------------------------------|---------------|----------------|
|                                                                                                                                                                                                                                                                                                        |                   |              |                             |                                                                               |               |                |
| Ft < Grade<br>↓<br>No Well Installed<br>4.0'                                                                                                                                                                                                                                                           |                   | 48/34        | 0-48"<br>0.0                | 0 - 4.0' Tan, fine to coarse sand, little gravel, trace silt.                 | SP            |                |
|                                                                                                                                                                                                                                                                                                        |                   |              |                             | 4.0 - 8.0' Tan, fine to coarse sand, little gravel, trace silt.<br>Wet @ 4.0' |               |                |
|                                                                                                                                                                                                                                                                                                        |                   |              |                             | Boring Terminated @ 8.0'                                                      |               |                |

## 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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

Plug Point

Approximate Water Level During Drilling, below grade

WOH - Weight of Hammer





# BORING LOG DIAGRAM

Boring No: SB-9

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/27/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

Letter Symbol

Graphic Symbol

| Grade = 0<br>0.5<br>1.0<br>1.5<br>2.0<br>2.5<br>3.0<br>3.5<br>4.0<br>4.5<br>5.0<br>5.5<br>6.0<br>6.5<br>7.0<br>7.5<br>8.0<br>8.5<br>9.0<br>9.5<br>10.0<br>10.5<br>11.0<br>11.5<br>12.0<br>12.5<br>13.0<br>13.5<br>14.0<br>14.5<br>15.0<br>15.5<br>16.0<br>16.5<br>17.0<br>17.5<br>18.0<br>18.5<br>19.0 | Well Construction | Pen/Rec ("") | Interval ("")<br>PID (ppmv) | Soil Characteristics                                                                                      | Letter Symbol | Graphic Symbol |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|-----------------------------|-----------------------------------------------------------------------------------------------------------|---------------|----------------|
|                                                                                                                                                                                                                                                                                                        |                   |              |                             |                                                                                                           |               |                |
| Ft < Grade<br>↓<br>No Well Installed<br>4.0'                                                                                                                                                                                                                                                           |                   | 48/36        | 0-48"<br>0.0                | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt.                                                 | SP            |                |
|                                                                                                                                                                                                                                                                                                        |                   |              |                             | 4.0 - 8.0' Tan, fine to coarse sand and gravel, trace silt.<br>Wet @ 4.0'<br><br>Boring Terminated @ 8.0' |               |                |

## 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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

Plug Point

Approximate Water Level During Drilling, below grade

WOH - Weight of Hammer





# BORING LOG DIAGRAM

Boring No: SB-11

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/27/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

Letter Symbol

Graphic Symbol

| Grade = 0 | Well Construction       | Pen/Rec (") | Interval (") | Soil Characteristics                                      | Letter Symbol | Graphic Symbol |
|-----------|-------------------------|-------------|--------------|-----------------------------------------------------------|---------------|----------------|
|           |                         |             | PID (ppmv)   |                                                           |               |                |
| 0.5       | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 1.0       |                         |             | 0.0          |                                                           |               |                |
| 1.5       | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 2.0       |                         |             |              |                                                           |               |                |
| 2.5       | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 3.0       |                         |             |              |                                                           |               |                |
| 3.5       | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 4.0       |                         |             |              |                                                           |               |                |
| 4.5       | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 5.0       |                         |             |              |                                                           |               |                |
| 5.5       | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 6.0       |                         |             |              |                                                           |               |                |
| 6.5       | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 7.0       |                         |             |              |                                                           |               |                |
| 7.5       | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 8.0       |                         |             |              |                                                           |               |                |
| 8.5       | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 9.0       |                         |             |              |                                                           |               |                |
| 9.5       | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 10.0      |                         |             |              |                                                           |               |                |
| 10.5      | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 11.0      |                         |             |              |                                                           |               |                |
| 11.5      | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 12.0      |                         |             |              |                                                           |               |                |
| 12.5      | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 13.0      |                         |             |              |                                                           |               |                |
| 13.5      | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 14.0      |                         |             |              |                                                           |               |                |
| 14.5      | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 15.0      |                         |             |              |                                                           |               |                |
| 15.5      | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 16.0      |                         |             |              |                                                           |               |                |
| 16.5      | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 17.0      |                         |             |              |                                                           |               |                |
| 17.5      | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 18.0      |                         |             |              |                                                           |               |                |
| 18.5      | No<br>Well<br>Installed | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
| 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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

WOH - Weight of Hammer



# BORING LOG DIAGRAM

Boring No: SB-12

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/26/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

Letter Symbol

Graphic Symbol

| Grade = 0 | Well Construction       | Pen/Rec (") | Interval (") | Soil Characteristics                                                                                        | Letter Symbol | Graphic Symbol |
|-----------|-------------------------|-------------|--------------|-------------------------------------------------------------------------------------------------------------|---------------|----------------|
|           |                         |             | PID (ppmv)   |                                                                                                             |               |                |
| 0.5       | No<br>Well<br>Installed | 48/38       | 0-48"<br>0.0 | 0 - 4.0' Tan, fine to coarse sand, little gravel, trace silt.<br><br>Wet @ 2.5'<br>Boring Terminated @ 4.0' | SP            |                |
| 1.0       |                         |             |              |                                                                                                             |               |                |
| 1.5       |                         |             |              |                                                                                                             |               |                |
| 2.0       |                         |             |              |                                                                                                             |               |                |
| 2.5       |                         |             |              |                                                                                                             |               |                |
| 3.0       |                         |             |              |                                                                                                             |               |                |
| 3.5       |                         |             |              |                                                                                                             |               |                |
| 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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

Plug Point

Approximate Water Level During Drilling, below grade

WOH - Weight of Hammer





















# BORING LOG DIAGRAM

Boring No: SB-21

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/26/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

Letter Symbol

Graphic Symbol

| Grade = 0<br>0.5<br>1.0<br>1.5<br>2.0<br>2.5<br>3.0<br>3.5<br>4.0<br>4.5<br>5.0<br>5.5<br>6.0<br>6.5<br>7.0<br>7.5<br>8.0<br>8.5<br>9.0<br>9.5<br>10.0<br>10.5<br>11.0<br>11.5<br>12.0<br>12.5<br>13.0<br>13.5<br>14.0<br>14.5<br>15.0<br>15.5<br>16.0<br>16.5<br>17.0<br>17.5<br>18.0<br>18.5<br>19.0 | Well Construction                 | Pen/Rec (") | Interval (") | Soil Characteristics                                                | Letter Symbol | Graphic Symbol |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------|--------------|---------------------------------------------------------------------|---------------|----------------|
|                                                                                                                                                                                                                                                                                                        |                                   |             | PID (ppmv)   |                                                                     |               |                |
| Ft < Grade<br>↓                                                                                                                                                                                                                                                                                        | No<br>Well<br>Installed<br>3.5' ▼ | 48/38       | 0-48"<br>0.0 | 0 - 2.0' Tan, fine to coarse sand, trace gravel and trace silt.     | SP            |                |
|                                                                                                                                                                                                                                                                                                        |                                   |             |              | 2.0 - 4.0' Brown, fine to coarse sand, trace gravel and trace silt. |               |                |
|                                                                                                                                                                                                                                                                                                        |                                   |             |              | Wet @ 3.5'                                                          |               |                |
|                                                                                                                                                                                                                                                                                                        |                                   | 48/36       | 0-96"<br>0.0 | 4.0 - 8.0' Tan, fine to coarse sand and gravel, trace silt.         |               |                |
|                                                                                                                                                                                                                                                                                                        |                                   |             |              | Boring Terminated @ 8.0'                                            |               |                |

## 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.

NM - Not Measured

N/A - Not Applicable

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

WOH - Weight of Hammer



# BORING LOG DIAGRAM

Boring No: SB-22

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/26/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

Letter Symbol

Graphic Symbol

| Grade = 0<br>0.5<br>1.0<br>1.5<br>2.0<br>2.5<br>3.0<br>3.5<br>4.0<br>4.5<br>5.0<br>5.5<br>6.0<br>6.5<br>7.0<br>7.5<br>8.0<br>8.5<br>9.0<br>9.5<br>10.0<br>10.5<br>11.0<br>11.5<br>12.0<br>12.5<br>13.0<br>13.5<br>14.0<br>14.5<br>15.0<br>15.5<br>16.0<br>16.5<br>17.0<br>17.5<br>18.0<br>18.5<br>19.0 | Well Construction       | Pen/Rec ("") | Interval ("")<br>PID (ppmv) | Soil Characteristics                                          | Letter Symbol | Graphic Symbol |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------|-----------------------------|---------------------------------------------------------------|---------------|----------------|
|                                                                                                                                                                                                                                                                                                        |                         |              |                             |                                                               |               |                |
| Ft < Grade<br>↓<br>3.0'                                                                                                                                                                                                                                                                                | No<br>Well<br>Installed | 48/36        | 0-48"<br>0.0                | 0 - 4.0' Tan, fine to coarse sand, little gravel, trace silt. | SP            |                |
|                                                                                                                                                                                                                                                                                                        |                         |              |                             | Wet @ 3.0'<br>Boring Terminated @ 4.0'                        |               |                |

## 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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

Plug Point

Approximate Water Level During Drilling, below grade

WOH - Weight of Hammer









# BORING LOG DIAGRAM

Boring No: SB-25

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/26/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

Letter Symbol

Graphic Symbol

| Grade = 0<br>0.5<br>1.0<br>1.5<br>2.0<br>2.5<br>3.0<br>3.5<br>4.0<br>4.5<br>5.0<br>5.5<br>6.0<br>6.5<br>7.0<br>7.5<br>8.0<br>8.5<br>9.0<br>9.5<br>10.0<br>10.5<br>11.0<br>11.5<br>12.0<br>12.5<br>13.0<br>13.5<br>14.0<br>14.5<br>15.0<br>15.5<br>16.0<br>16.5<br>17.0<br>17.5<br>18.0<br>18.5<br>19.0 | Well Construction | Pen/Rec ("") | Interval ("")<br>PID (ppmv) | Soil Characteristics                                                                                          | Letter Symbol | Graphic Symbol |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|-----------------------------|---------------------------------------------------------------------------------------------------------------|---------------|----------------|
|                                                                                                                                                                                                                                                                                                        |                   |              |                             |                                                                                                               |               |                |
| Ft < Grade<br>↓<br>No Well Installed<br>4.0'                                                                                                                                                                                                                                                           |                   | 48/36        | 0-48"<br>0.0                | 0 - 4.0' Tan, fine to coarse sand, trace gravel and trace silt.                                               | SP            |                |
|                                                                                                                                                                                                                                                                                                        |                   |              |                             | 4.0 - 8.0' Tan, fine to coarse sand and gravel, trace silt.<br><br>Wet @ 4.0'<br><br>Boring Terminated @ 8.0' |               |                |

## 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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

WOH - Weight of Hammer



# **BORING LOG DIAGRAM** **Boring No: SB-26**

**Former Clinton County Airport - Lot A, D and J**  
**Plattsburgh, New York**

|                               |                              |
|-------------------------------|------------------------------|
| KAS Project #: 508215230      | Date: 04/26/22               |
| Drilled by: KAS, Inc.         | Drilling Method: Direct Push |
| Supervised by: Anthony Harvey | Boring Diameter.: 3"         |
|                               | Development Method: NA       |
|                               | Screened Length: NA          |

| Grade = 0 | Well Construction                                                                                    | Pen/Rec (") | Interval (") | Soil Characteristics                                      | Letter S | Graphic |
|-----------|------------------------------------------------------------------------------------------------------|-------------|--------------|-----------------------------------------------------------|----------|---------|
|           |                                                                                                      |             | PID (ppmv)   |                                                           |          |         |
| 0.5       | <div><div>Ft&lt;Grade</div><div><div>↓</div><div>No Well Installed</div><div>3.0'▼</div></div></div> | 48/36       | 0-48"        | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP       |         |
| 1.0       |                                                                                                      |             | 0.0          |                                                           |          |         |
| 1.5       |                                                                                                      |             |              |                                                           |          |         |
| 2.0       |                                                                                                      |             |              |                                                           |          |         |
| 2.5       |                                                                                                      |             |              |                                                           |          |         |
| 3.0       |                                                                                                      |             |              |                                                           |          |         |
| 3.5       |                                                                                                      |             |              |                                                           |          |         |
| 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. | Locking Plug.                                        |
| Existing Surface.                             | 2" ID, Schedule 40 PVC Riser.                        |
| Bentonite Seal Placed in Annulus.             | 2" ID, Schedule 40 PVC, 0.010"-Slotted Well Screen   |
| Drill Cuttings Placed in Annulus.             | Plug Point                                           |
| Grade #1 Silica Sand Pack Placed in Annulus.  | Approximate Water Level During Drilling, below grade |
| NM - Not Measured                             | WOH - Weight of Hammer                               |
| N/A - Not Applicable                          |                                                      |





# BORING LOG DIAGRAM

Boring No: SB-28

Former Clinton County Airport - Lot A, D and J  
Plattsburgh, New York

KAS Project #: 508215230

Date: 04/26/22

Drilled by: KAS, Inc.

Drilling Method: Direct Push

Supervised by: Anthony Harvey

Boring Diameter.: 3"

Development Method: NA

Screened Length: NA

Letter Symbol

Graphic Symbol

| Grade = 0<br>0.5<br>1.0<br>1.5<br>2.0<br>2.5<br>3.0<br>3.5<br>4.0<br>4.5<br>5.0<br>5.5<br>6.0<br>6.5<br>7.0<br>7.5<br>8.0<br>8.5<br>9.0<br>9.5<br>10.0<br>10.5<br>11.0<br>11.5<br>12.0<br>12.5<br>13.0<br>13.5<br>14.0<br>14.5<br>15.0<br>15.5<br>16.0<br>16.5<br>17.0<br>17.5<br>18.0<br>18.5<br>19.0 | Well Construction | Pen/Rec (") | Interval (") | Soil Characteristics                                      | Letter Symbol | Graphic Symbol |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|--------------|-----------------------------------------------------------|---------------|----------------|
|                                                                                                                                                                                                                                                                                                        |                   |             | PID (ppmv)   |                                                           |               |                |
|                                                                                                                                                                                                                                                                                                        |                   | 48/36       | 0-48"<br>0.0 | 0 - 4.0' Tan, fine to coarse sand and gravel, trace silt. | SP            |                |
|                                                                                                                                                                                                                                                                                                        | No Well Installed |             |              | Wet @ 3.0'<br>Boring Terminated @ 4.0'                    |               |                |

## 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.

NM - Not Measured

N/A - Not Applicable

Locking Plug.

Plug Point

Approximate Water Level During Drilling, below grade

WOH - Weight of Hammer



## **APPENDIX E**

### **CAMP**

**Appendix 1A**  
**New York State Department of Health**  
**Generic Community Air Monitoring Plan**

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

**Continuous monitoring** will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

**Periodic monitoring** for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

### VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.
2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.
4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

### Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter ( $\text{mcg}/\text{m}^3$ ) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed  $150 \text{ mcg}/\text{m}^3$  above the upwind level and provided that no visible dust is migrating from the work area.
2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than  $150 \text{ mcg}/\text{m}^3$  above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within  $150 \text{ mcg}/\text{m}^3$  of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009



## **Appendix 1B**

### **Fugitive Dust and Particulate Monitoring**

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.
2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.
3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM<sub>10</sub>) with the following minimum performance standards:
  - (a) Objects to be measured: Dust, mists or aerosols;
  - (b) Measurement Ranges: 0.001 to 400 mg/m<sup>3</sup> (1 to 400,000 :ug/m<sup>3</sup>);
  - (c) Precision (2-sigma) at constant temperature: +/- 10 :g/m<sup>3</sup> for one second averaging; and +/- 1.5 g/m<sup>3</sup> for sixty second averaging;
  - (d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
  - (e) Resolution: 0.1% of reading or 1g/m<sup>3</sup>, whichever is larger;
  - (f) Particle Size Range of Maximum Response: 0.1-10;
  - (g) Total Number of Data Points in Memory: 10,000;
  - (h) Logged Data: Each data point with average concentration, time/date and data point number
  - (i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
  - (j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
  - (k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
  - (l) Operating Temperature: -10 to 50<sup>0</sup> C (14 to 122<sup>0</sup> F);
  - (m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.
4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.
5. The action level will be established at 150 ug/m<sup>3</sup> (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m<sup>3</sup>, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m<sup>3</sup> above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m<sup>3</sup> continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM<sub>10</sub> at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential-- such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

- (a) Applying water on haul roads;
- (b) Wetting equipment and excavation faces;
- (c) Spraying water on buckets during excavation and dumping;
- (d) Hauling materials in properly tarped or watertight containers;
- (e) Restricting vehicle speeds to 10 mph;
- (f) Covering excavated areas and material after excavation activity ceases; and
- (g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m<sup>3</sup> action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.



## **APPENDIX F**

### **RESUMES**



**KAS, INC.  
PROFESSIONAL PROFILE**

**ANTHONY HARVEY**

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TITLE</b>                           | <b>Project Manager/Engineer, Plattsburgh</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>EXPERTISE</b>                       | Environmental project management, client management, property due diligence assessments, construction monitoring, geotechnical/subsurface investigation, contaminated site investigation and clean up.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>EXPERIENCE</b>                      | <p><b>KAS, Inc., Williston, Vermont. February 2017 – Present.</b></p> <p>Project Manager/Engineer in KAS's Plattsburgh, New York office. Project management of Phase I Environmental Site Assessments, collection of wastewater samples, stormwater pollution prevention plan (SWPPP) inspections, Spill Prevention, Control, and Countermeasure (SPCC) plans, construction monitoring, septic design, site investigation and remediation, subsurface investigation, and underground storage tank removal.</p> <p><b>Sanborn Head and Associates, Inc., Westford, Massachusetts 2014-2016.</b></p> <p>Conducted and managed Phase I Environmental Site Assessments, subsurface investigations, construction monitoring, soil density testing, operations and maintenance of remediation systems, tank pulls, groundwater sampling, monitoring well installation, and marketing/client interaction.</p> <p><b>ECS Mid-Atlantic, LLC, Baltimore, Maryland 2013-2014.</b></p> <p>Conducted Phase I and Phase II Environmental Site Assessments, asbestos sampling, mold abatement, project management, marketing, and proposal development.</p> |
| <b>ACADEMIC<br/>BACKGROUND</b>         | <p>M.S., Clarkson University, Environmental Science and Engineering, 2013</p> <p>B.S., Clarkson University, Biology, 2011</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>PROFESSIONAL<br/>QUALIFICATIONS</b> | ASTM/EPA Environmental Professional                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>OTHER</b>                           | <p>OSHA 1910.120 Hazardous Waste Site Worker</p> <p>NYSDEC 4-Hour Erosion and Sediment Control Training</p> <p>Troxler Nuclear Density Gauge Training</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



**CUMBERLAND BAY GEOLOGY, DPC  
PROFESSIONAL PROFILE**

**JEREMY P. ROBERTS, P.G.**

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TITLE</b>                           | <b>Principal</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>EXPERTISE</b>                       | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>EXPERIENCE</b>                      | <p><b>Cumberland Bay Geology, DPC, Plattsburgh, NY August 2019 – Present.</b> Oversight of New York State environmental projects, including environmental site assessments, UST removals, site investigations, and environmental cleanup activities.</p> <p><b>KAS, Inc., Williston, VT October 2004 – Present.</b> Management of KAS' environmental projects/ programs, including environmental site assessments, UST removals, site investigations, and environmental cleanup activities. Foster technical innovation, quality control and assurance on projects and written materials. Business development activities for environmental programs. Project Management.</p> <p><b>Griffin International, Inc., Williston, VT January 2002 – October 2004.</b> 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.</p> |
| <b>ACADEMIC<br/>BACKGROUND</b>         | BS, Plant and Soil Science, University of Vermont. May 1999.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PROFESSIONAL<br/>QUALIFICATIONS</b> | New York Licensed Geologist #000453-1<br>ASTM/EPA Environmental Professional<br>40 Hour OSHA 29CFR1910.120 Hazardous Worker Training<br>40 Hour Certification in Federal Wetland Delineation, Identification, and Classification.<br>Vermont Certified Asbestos Site Inspector<br>ASTM Phase I Environmental Site Assessment Practices For Commercial Real Estate: Transaction Screen & Phase I Site Assessment, April 2012<br>IAQ/IH Sampling Workshop, August 2012<br>Practical Guide to Vapor Intrusion Course, April 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |