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PERIODIC REVIEW REPORT
(January 2020 – January 2025)

LAWRENCE AVIATION INDUSTRIES, INC. SUPERFUND SITE
100 Sheep Pasture Road
Port Jefferson Station
Suffolk County, NY 11776

NYSDEC Site Number: 152016

Prepared For:

New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233
Contract Number: D009808-27

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GENERAL INFORMATION

Project/Site Information:
Lawrence Aviation Industries, Inc. Superfund Site
100 Sheep Pasture Road
Port Jefferson Station
Suffolk County, NY 11776
NYSDEC Site Number: 152016

Report Date: February 28, 2025

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PE Certification

I, Thomas Battles, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375. For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

(a) The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;

(b) Nothing has occurred that would impair the ability of the control to protect the public health and environment;

(c) Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control; and

(d) Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control.

Thomas Battles, P.E.. –

1.0 EXECUTIVE SUMMARY

The Lawrence Aviation Industries, Inc. (LAI) Superfund Site #152016 (Site) located at 100 Sheep Pasture Road, Port Jefferson, Suffolk County, New York is listed as a Class 2 Site on the New York State Registry of Inactive Hazardous Waste Sites. The Class 2 designation indicates that the Site is a significant threat to the public health or environment – action required. The U.S. Environmental Protection Agency (EPA) oversaw the operations and maintenance (O&M) and site management through 2021. Site management and treatment system O&M for the LAI and Old Mill Pond (OMP) facilities was performed by HDR Engineering (HDR) up to October 2020. Hydrogeologic, Inc. (HGL) assumed site management and O&M for the LAI system from October 2020 to September 2021, and OMP from September 2020 to September 2022. In 2021 the New York State Department of Environmental Conservation (NYSDEC) assumed responsibility for site management, and HRP Associates, Inc. (HRP) was contracted as the call-out engineering contractor to perform O&M of the LAI groundwater extraction and treatment (GWE&T) system in September 2021, and the OMP GWE&T system in October 2022.

The purpose of the selected groundwater remedy is to comply with the remedial action objectives (RAOs) in the Record of Decision (ROD). The RAOs for the site are to prevent or minimize potential, current, and future human exposures including inhalation, ingestion, and dermal contact with volatile organic compound (VOC)-contaminated groundwater. Minimize the potential for offsite migration of VOC-contaminated groundwater. Restore groundwater to levels that meet New York State groundwater and drinking water quality standards within a reasonable time frame. Prevent or minimize VOC-contaminated groundwater from discharging into Port Jefferson Harbor. The groundwater remedy established in the ROD included the construction of two GWE&T systems, one at the LAI facility and one at the downgradient plume area adjacent to OMP, constructed in 2010 and 2011, respectively.

This Periodic Review Report (PRR) documents Site activities from January 2020 through January 2025. The institutional controls (ICs) and engineering controls (ECs) are in place and unchanged since the NYSDEC assumed responsibility for the Site and the existing controls remain protective of public health and the environment.

Since the NYSDEC assumed responsibility for Site management in September 2021, influent and effluent samples were collected from the LAI GWE&T system and beginning in October 2022 Influent and effluent samples were collected from the OMP GWE&T system, including routine maintenance and carbon changes at each system.

Comprehensive groundwater sampling was performed by HDR in June 2020, HGL in June 2021 and June 2022, and HRP in March 2024, and a limited onsite source area groundwater sampling event in January 2025.

Between October 2023 and February 2024, under the remedial system optimization (RSO) tasks, site demolition activities were performed, and all Site structures were demolished and removed, including all remaining buildings, transformers, equipment, machinery, propane aboveground storage tanks (ASTs), and associated wastes which were disposed of and/or recycled offsite. Additionally, as part of demolition activities, the pits and sumps housing machinery were properly drained of fluids, trash removed, cleaned, and were abandoned in place by breaking up the bottom

of each pit to allow for water infiltration and were backfilled to grade with recycled concrete aggregate. In addition to the demolition activities, HRP performed sampling of known Site sanitary structures, cesspools, and dry wells. Currently the former building foundations, former sanitary systems, and three underground storage tanks (USTs) remain at the Site and are slated for abandonment in 2025.

2.0 SITE OVERVIEW

2.1 Site Location and Description

The LAI site is located in Port Jefferson Station, Suffolk County, New York, and has been assigned EPA identification number NYD002041531. A site location map is presented as **Figure 1**. The site encompasses approximately 126 acres and consists of the former LAI industrial facility and the outlying parcels consisting of wooded areas located east and northeast of the former LAI industrial facility. The former LAI industrial facility, approximately 40 acres in size, was historically an active manufacturer of titanium sheeting for the aeronautics industry. It encompassed a total of ten buildings located in the southwestern portion of the property. The New York State Department of Transportation (NYSDOT) installed a mixed-use bicycle and pedestrian path with a right-of-way through the site in 2012. The outlying parcels of the property are vacant and wooded and contain a site access road that connects to Sheep Pasture Road. The Long Island Railroad (LIR) and Sheep Pasture Road form the northern border of the Site, to the east and west are various residential single-family houses, and to the south is a power utility right-of-way and a wooded area, which also is a residential area with single family houses. The village of Port Jefferson and Port Jefferson Harbor lie approximately one mile to the north. A Site Map depicting relevant site features is included as **Figure 2.**

2.2 Remedial History

Historical uses of the Site include a turkey farm owned by LAI's corporate predecessor, Ledkote Products Co. of New York. In 1951, Ledkote Products Co. established a business operation at the Site to produce lead gutters and downspouts for roof drains. In 1959, the business was re-established as LAI and began manufacturing titanium sheet metal for the aeronautics industry and consumer products such as golf clubs.

Past disposal practices resulted in releases of various contaminants including trichloroethene (TCE), tetrachloroethene (PCE), acid wastes, oils, sludge, grease, heavy metals, and other industrial plant wastes. Initial investigations conducted in the vicinity of the site suggested that releases of hazardous substances from the facility have affected site soils, groundwater, sediments, and surface water downgradient of the site.

Several investigations lead by Suffolk County and the NYSDEC concerning contamination of the LAI industrial facility were conducted during the 1970s and 1980s. During these studies, fluoride, toluene, carbon tetrachloride, and metals were detected in samples collected from sumps, puddles, laboratory cesspools, and surface water runoff at the LAI facility. Fluoride, nitrates, TCE, 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), PCE, and metals were detected in groundwater samples collected from adjacent residential wells. The EPA provided bottled water to homes with private wells affected by contaminated groundwater and subsequently connected those homes to the public water supply as part of response action conducted in 1987. The NYSDEC, Region 1, Resource Conservation and Recovery Act Hazardous Substance Group oversaw a major drum removal action at the site in 1991. The Suffolk County Water Authority, under contract with the NYSDEC, connected homes affected by groundwater contamination attributed to LAI to public water supplies throughout the 1990s. NYSDEC conducted a limited Remedial Investigation (RI) in 1997. The results of this investigation revealed that chlorinated VOCs (CVOCs) were detected in the

groundwater and surface water. Based on the above investigations, EPA prepared a hazard ranking system report and proposed the site for inclusion on the National Priorities List (NPL) on October 22, 1999. The Site was listed on the NPL February 4, 2000.

In April 2003, NYSDEC performed a multi-media inspection of the LAI site as a result of previous findings of contamination. NYSDEC documented violations of air, soil, solid waste, chemical bulk storage, and hazardous waste regulations. LAI was ordered by NYSDEC to cease production until all violations were resolved. The property has been inactive and unoccupied since 2004.

The EPA conducted an RI at the site from August 2003 to May 2005 through the Remedial Action (RA) Contract program. The RI documented a CVOC plume and identified polychlorinated biphenyl (PCB)-contaminated soil at the site. The EPA personnel also noted conditions at the Site that warranted emergency removal action.

During the RI, the EPA, Region 2, Removal Action Branch removed approximately 1,300 drums, cylinders, and other containers containing various flammable solids, acids, bases, gases, and unknown compounds, and inventoried the laboratory area; identifying at least 390 containers. Most of the drums and containers were disposed offsite in October and November 2004. Approximately 13.5-tons of transformers and capacitors filled with suspected PCB liquid were removed from the site and disposed of as part of the 2004 removal action. During these actions, EPA personnel identified approximately thirty additional electrical transformers in several areas of the site. NYSDEC removed most of the PCB-containing transformers in 2019. All remaining transformers were drained and removed from the Site during the 2023 to 2024 site demolition activities.

A Feasibility Study (FS) was completed in July 2006 by CDM Smith on behalf of EPA and presented remedial alternatives for groundwater, soil, surface water, and sediment. The ROD for the site was signed on September 29, 2006, and addressed both soil and groundwater. The soil and sediment remedies were completed in March 2011 and included excavation and removal of approximately 550 tons of contaminated material from the site. The groundwater remedy included the installation of two GWE&T systems: one at the LAI main facility and one at OMP, and in situ chemical oxidation (ISCO) injections at the LAI onsite source area.

Between October 2023 and February 2024, under the RSO tasks, Site demolition activities were performed, and all Site structures were demolished and removed, including all remaining buildings, transformers, equipment, machinery, propane ASTs, and associated wastes which were disposed of and/or recycled offsite. Additionally, as part of demolition activities, the pits and sumps housing machinery were properly drained of fluids, trash removed, cleaned, and were abandoned in place by breaking up the bottom of each pit to allow for water infiltration and were backfilled to grade with recycled concrete aggregate. In addition to the demolition activities, HRP performed sampling of known Site sanitary structures, cesspools, and dry wells. Currently the former building foundations, former sanitary systems, and three USTs remain at the Site and are slated for abandonment in 2025.

2.3 Site Cleanup Objectives

The objective for operation of the remediation systems (GWE&T) at the Sites is to restore the Site to pre-disposal conditions to the extent feasible. At a minimum, the remedies discussed above shall

eliminate or mitigate all significant threats to public health and the environment presented by the contamination identified at the Site through the proper application of scientific and engineering principles. The criteria for Site closure will be determined by the NYSDEC based on the future monitoring data.

3.0 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

3.1 Groundwater Extraction and Treatment System Performance, Effectiveness, and Protectiveness

The EPA oversaw the O&M and site management through 2021. Site management and treatment system O&M for the LAI and OMP facilities was performed by HDR up to October 2020. HGL assumed site management and O&M responsibilities for the LAI system from October 2020 to September 2021, and the OMP system from October 2020 to September 2022. In 2021 the NYSDEC assumed responsibility for site management, and HRP was contracted to perform O&M of the LAI GWE&T system in September 2021, and the OMP system in October 2022.

3.1.1 Lawrence Aviation Industries, Inc. Groundwater Extraction and Treatment System

The LAI GWE&T system extracts groundwater from three recovery wells (LAI-EW-01 though LAI-EW-03), which are located on the former Lawrence Aviation Industrial Facility Site. The location of the extraction wells is shown on **Figure 2**. The remedial objective is to treat the groundwater and remove contaminants to below the ambient water quality guidance values listed in the NYSDEC Division of Water, Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1). System performance for the period of January 2020 through October 2021 was reported in HDR's and HGL's monthly O&M reports submitted to the EPA.

HDR – January 2020 to October 2020

Between January and October 2020, HDR conducted monthly O&M and sampling, and the LAI GWE&T system (EW-01 and EW-02) extracted and treated approximately 56,609,700 gallons of water at an average combined flow rate of 75 gallons per minute (GPM). HDR reported the following:

- Total site-related CVOCs concentrations in EW-01 were detected at 251 micrograms per liter (µg/L) during the initial testing period (ITP) and 197 µg/L in October 2012 when HDR took over the operations of the LAI facility. CVOC concentrations in EW-01 have decreased to approximately 61.6 µg/L in October 2020. This is a reduction of approximately 75 percent (%) since ITP. Concentrations in EW-01 have generally been stable since HDR took over operations.
- Total site-related CVOC concentrations in EW-02 were detected at 154 µg/L during ITP and 37 µg/L in October 2012 when HDR took over the operations of the LAI facility. CVOC concentrations in EW-02 are approximately 34.7 µg/L in September 2020 This is a reduction of approximately 77% since ITP. Concentrations in EW-02 have generally been stable since HDR took over operations with a slow decrease up until September 2017, when they started to slowly increase again.

HGL – October 2020 to September 2021

Between October 2020 and September 2021, HGL conducted monthly O&M and sampling, and the LAI GWE&T system (EW-01, EW-02, and EW-03) extracted and treated approximately 63,852,460 gallons of water at an average combined flow rate of 97 GPM and removed approximately 20.6 pounds (lbs.) of CVOCs.

HRP – September 2021 to Present

According to previously submitted reports, the treatment system was expanded to include EW-03 which was installed and connected to the GWE&T system on September 1, 2021. In 2022, the air stripper was taken off-line due to excessive aluminum fouling. The previously installed vapor-phase carbon was replaced with two 1,000-lb. liquid-phase granular activated carbon (GAC) vessels, and two additional 600 lbs. GAC vessels. Extracted groundwater is treated by liquid phase GAC and re-injected into the aquifer via five injection wells (IW-01 through IW-05) under a NYSDEC State Pollutant Discharge Elimination System (SPDES) permit equivalent. Three of the injection wells (IW-1, IW-2, and IW-3) are currently active. IW-4 and IW-5 are standby wells and are not utilized for the injection of groundwater currently.

The average flow rate during the operational period of September 2021 through January 2025 was approximately 63 GPM. **Chart 1** presents the CVOCs which are currently only PCE and TCE during the reporting period. **Chart 2** presents the TCE concentrations in the GWE&T system influent samples collected between September 2021 to January 2025. Influent TCE concentrations ranged from 97 µg/L to 450 µg/L over the reporting period, with the highest concentration occurring in December 2024 sample. **Chart 3** presents the TCE concentrations in the GWE&T system influent samples during the same period. Influent PCE concentrations ranged from 1.3 µg/L to 13 µg/L, with the highest concentration occurring in December 2024 sample. An estimate of the mass of CVOCs removed is based on the average system flow rate and CVOC concentrations detected in the monthly influent samples. Approximately 11,800,000 gallons of water was treated and approximately 8.22 lbs. of CVOCs were removed by the GWE&T system from September 2021 to January 2025.

Due to local power outages, system optimization tasks, carbon changes, the replacement of VFDs, and maintenance and repairs of EW-03, the GWE&T remediation system experienced intermittent down time in 2022, 2023, and 2024. The system was down in July 2023 for a scheduled carbon change. The system was down during the months of February and March 2024 due to a discharge pump failure, the discharge pump was replaced in March of 2024 and the system was restarted. The system experienced power fluctuations requiring restart in January 2024, April 2024, and June 2024. In August of 2024 EW-03 would not stay running and was shut down for the months of August, September and October, it was discovered that the wiring for the load reactor was burnt out, likely from a lightning strike or power surge; the load reactor was removed, and the pump was restarted and has been operating at 100% since.

3.1.2 Old Mill Pond Groundwater Extraction and Treatment System

The downgradient OMP GWE&T system includes five extraction wells (OMP-EW-01 through OMP-EW-04 and OMP-EW-06), with three of the extraction wells (EW-1, EW-2, and EW-6) currently active. EW-3 and EW-4 are standby wells and are not utilized for the extraction of groundwater due to elevated iron levels. The extracted groundwater is treated by an air stripper which is followed by two 2,000 lbs. liquid phase GAC units. The treated effluent groundwater is discharged to OMP and the OMP Creek culvert on Barnum Avenue, under a NYSDEC SPDES permit equivalent. The VOC vapors are treated by three 2,000 lbs. vapor phase GAC units in lead-lag phase before discharge to the air under a NYSDEC air permit equivalent.

HDR – January 2020 to October 2020

Between January and October 2020, HDR conducted monthly O&M and sampling, and the OMP GWE&T system (EW-01, EW-02, and EW-06) extracted and treated approximately 86,720,734 gallons of water at an average flow rate of 215 GPM. HDR reported the following:

- Total site-related CVOC concentrations in EW-1 have decreased from 313 µg/L since system startup in August 2011 to 73 µg/L in October 2020. This is a reduction of approximately 78% since system startup. Concentrations in EW-1 have generally been stable since HDR took over operations.
- Total site-related CVOC concentrations in EW-2 have decreased since system startup from 454 µg/L in August 2011 to 66 µg/L in October 2020. This is a reduction of approximately 86% since system startup. Concentrations in EW-2 have generally been stable since HDR took over operations.
- Total site-related CVOC concentrations in EW-6 have decreased since startup from 934 µg/L in September 2013 to 272 µg/L in October 2020. This is a reduction of approximately 71% since system startup. Concentrations in EW-6 have generally been stable since HDR took over operations.

HGL – October 2020 to September 2022

Between October 2020 and September 2022, HDR conducted monthly O&M and sampling, and the OMP GWE&T system extracted and treated approximately 197,656,706 gallons of water at an average flow rate of 97 GPM and removed approximately 224.7 lbs. of CVOCs.

HRP – September 2022 to Present

The average flow rate during the operational period of October 2022 to January 2025 was approximately 190 GPM. **Chart 4** presents the cumulative mass removal of CVOCs (PCE and TCE) during the reporting period of September 2022 to January 2025. **Chart 5** presents the TCE concentrations in the GWE&T system influent samples collected between September 2022 to January 2025, and **Chart 6** presents the TCE concentrations in the GWE&T system influent samples collected during the same period. Influent TCE concentrations ranged from 39.6 µg/L to 380 µg/L over the reporting period, with the highest concentration occurring in the August 2024 sample. Influent PCE concentrations ranged from 1.0 µg/L to 7.4 µg/L over the reporting period, with the highest concentration occurring in the September 2022 sample. Approximately 186,976,512 gallons of water was treated and approximately 186.72 lbs. of CVOCs were removed by the GWE&T system from September 2022 to January 2025.

The extracted groundwater from OMP GWE&T is treated by an air stripper which is followed by two liquid phase GAC units. The treated effluent is discharged to OMP under a NYSDEC SPDES permit equivalent. The VOC vapors are treated by three vapor-phase GAC units in lead-lag phase before discharge to the air under a NYSDEC air permit equivalent, the effluent from the air stripper is sampled monthly. The OMP GWE&T system air stripper effluent analytical results are summarized on **Table 3a.**

3.1.3 Groundwater Extraction and Treatment System Summary

An estimate of the cumulative mass of VOCs removed during the reporting period by the LAI and GWE&T system is included on **Table 1** and **Table 1a,** respectively. The LAI GWE&T facility influent and effluent analytical results are summarized on **Table 2** and the OMP facility data on **Table 3,** respectively. The systems are successful in continuing to remove the mass of CVOCs in groundwater, but ongoing operations are required to meet the established remedial goals.

Between 2012 and January 2025, based on previous reports submitted to the EPA, it is estimated that the LAI GWE&T system has removed approximately 349 lbs. of CVOCs, and the OMP facility 1,627 lbs. of CVOCs.

Site inspections were routinely conducted throughout the reporting period during the demolition and soil investigation phases of this reporting period. The purposes of the inspections were to assess the protectiveness of the remedy. Observations made during the inspection indicated that the remedy-related infrastructure was in good condition. All the monitoring well casings and extraction wells were found to be properly secured and locked, and the treatment system buildings were found to be properly secured.

4.0 INSTITUTIONAL CONTROLS AND ENGINEERING CONTROLS COMPLIANCE

4.1 Institutional and Engineering Controls Requirements and Compliance

The ICs required for this Site includes a restriction to limit the Site to commercial/ industrial use only and a local groundwater use restriction. On July 18, 2024, Suffolk County issued a Declaration of Covenants, Restrictions and Environmental Easement for Suffolk County Parcel #'s: 159-2-19 and 159-1-26 that comprises approximately 36.27 +/- acres. The Property includes any buildings and improvements thereon and appurtenances thereto and is part of the Site, which the EPA, pursuant to Section 105 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 U.S.C. *§* 9605, placed on the NPL, as set forth in Appendix B of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), the Code of Federal Regulations (CFR), 40 CFR Part 300, by publication in the Federal Register on March 6, 2000. The following restrictions, as more comprehensively established in the Site Management Plan (SMP) on file with EPA and NYSDEC and as may, from time to time, be amended, apply to the use of the Property, as provided below, run with the land, and are binding on the Grantor and its successors in title and assigns:

- **Industrial/Commercial Use:** The Property may be used for only commercial and industrial uses as described in 6 NYCRR Part 375-l.8(g)(2)(iii) and (v).
- **Restriction of Use of Groundwater:** The use of groundwater underlying the Property is prohibited without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or the Suffolk County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Departments.
- **Vapor Intrusion Evaluation for New Construction:** The potential for vapor intrusion must be evaluated for any buildings constructed on the Property, and any potential impacts that are identified must be monitored or mitigated in accordance with the SMP.
- **Inspections and Monitoring:** Site inspections, monitoring of groundwater, and maintenance of fencing and other ECs must be implemented in accordance with the provisions of the SMP.

The approved copy of the Declaration of Covenants, Restrictions and Environmental Easement is included as **Appendix A.**

The ECs at the Site include the following:

- GWE&T systems – These systems were used to capture and treat the most contaminated groundwater associated with the Site. The groundwater concentrations have been significantly reduced by its continued operation. HRP will conduct System Optimization tasks in 2025 in attempt to increase the efficiency of the systems.
- Sub-slab depressurization/vapor mitigation systems at offsite affected properties

4.2 Institutional Controls and Engineer Controls Certification

The ICs and ECs – Consultant/Contractor Survey is included as **Appendix B**.

5.0 MONITORING PLAN COMPLIANCE

5.1 Components of the Monitoring Plan

The following table summarizes the components of the Site monitoring plan. The results of all monitoring activities are summarized in reports, which are submitted to NYSDEC under separate cover on an annual basis or as needed.

Frequency	Groundwater
Monthly	GWE&T systems influent and effluent sampled and analyzed for analytes as required under the NYSDEC SPDES Equivalent Permits
Quarterly	None
5/4 quarters	Comprehensive groundwater monitoring wells sampled and analyzed for VOCs, total metals, per- and polyfluoroalkyl substances (PFAS), and 1,4-dioxane, and geo-chemical parameters. Measure water levels of groundwater monitoring well network

5.2 Monitoring Completed During Reporting Period

The following table summarizes sampling activities completed at the Site between January 2020 and January 2025.

Monitoring Completed during January 2020 to January 2025 Period					
Year	**Month**	**LAI Groundwater Inf. and Eff.**	**OMP Groundwater Inf. and Eff.**	**Water Level Gauge**	**Monitoring Well Sampling**
2020	January	X	X		
	February	X	X		
	March	X	X		
	April	X	X		
	May	X	X		
	June	X	X	X	X
	July	X	X		
	August	X	X		
	September	X	X		
	October	X	X		
	November	X	X		
	December	X	X		
2021	January	X	X		
	February	X	X		
	March	X	X		
	April	X	X		
	May	X	X		
	June	X	X	X	X
	July	X	X		
	August	X	X		
	September	X	X		
	October		X		
	November	X	X		
	December		X		
2022	January	X	X		
	February		X		
	March		X		
	April		X		
	May		X		
	June	X	X	X	X
	July		X		
	August		X		
	September		X		
	October				
	November				
	December				

Monitoring Completed during January 2020 to January 2025 Period					
Year	**Month**	**LAI Groundwater Inf. and Eff.**	**OMP Groundwater Inf. and Eff.**	**Water Level Gauge**	**Monitoring Well Sampling**
2023	January				
	February				
	March				
	April	X			
	May		X		
	June				
	July	offline for carbon change out			
	August	X			
	September				
	October		X		
	November	X	X		
	December				
2024	January	X	X		
	February	offline discharge pump failure	X		
	March		offline for carbon change	X	X
	April	X	X		
	May	X	X		
	June	X	X		
	July	X	X		
	August	X	X		
	September	X	X		
	October	X	X		
	November	X	X		
	December	X	X		
2025	January	X	X	X*	X*

Inf.: Influent Eff.: Effluent

*LAI onsite source area groundwater sampling was performed in January 2025

5.3 Comparison with Remedial Objectives

5.3.1 Groundwater Sampling

Annual sampling was conducted in June 2020, 2021, and 2022. Demolition activities at the Site were completed at the Site in late summer 2023 through Spring 2024 limiting access to the monitoring well network located onsite, so the annual 2023 event was suspended until after Site demolition activities were complete. In 2023, at the approval of the NYSDEC, the groundwater sampling frequency was modified from annual to every fifteen months (every 5/4 quarters). The first sampling event under the Department of Environmental Conservation was conducted in March through April 2024. Monitoring well locations are depicted on **Figure 2**.

Groundwater Sampling – 2020

HDR conducted comprehensive annual groundwater sampling activities from June 9 to 18, 2020. Groundwater sampling followed standard operating procedures presented in April 2016 (Revision 3) EPA-approved Quality Assurance Project Plan (QAPP). A total of 93 groundwater, surface water and process water samples, and 33 quality control (QC) samples were collected as part of the comprehensive annual sampling event. Seventy-six groundwater samples were collected from 53 locations, consisting of three nonoperational extraction wells, nine multiport wells, three piezometers, and 38 conventional, single completion wells. An additional 30 quality QC samples were collected as part of the annual sampling activities. Six surface water samples were collected from two surface water bodies: four samples from OMP and two samples from Port Jefferson Harbor. One additional QC sample, a field duplicate, was collected in addition to the surface water samples. TCE was detected in 64 of the 87 groundwater samples with concentrations ranging from 0.39 µg/L, to 940 µg/L. Concentrations in 40 of the samples collected exceeded the remediation goal of 5 µg/L. The highest concentration of TCE, 940 µg/L, was detected in the sample from source area well IW-ISCO-7, screened approximately ten feet below the groundwater table. PCE was detected in 65 of the 87 groundwater samples with concentrations ranging from 0.11 µg/L, to 15 µg/L. Concentrations of PCE in eleven of the samples were greater than or equal to the remediation goal of 5 µg/L. The highest concentration of PCE, 15 µg/L, was detected in the groundwater sample collected from source area well IW-ISCO-7. Cis-1,2-DCE was detected in 39 of the 87 groundwater samples with concentrations ranging from 0.057 µg/L to 2.8 µg/L. The highest concentration of cis-1,2-DCE, 2.8 µg/L, which is below the remediation goal of 5 µg/L, was detected in the groundwater sample collected from Port D at the downgradient multiport well MPW-09. The following compounds were detected in one or more samples at concentrations less than their respective remediation goals: 1,1,1-trichloroethane (1,1,1-TCA), 1,1,2-trichloroethane, 1,1-dichloroethane (1,1-DCA), 1,1-DCE, 1,1-dichloromethane, 2-butanone, 4-methyl-2-pentanone, acetone, benzene, chloromethane, chloroform, ethylbenzene, methylcyclohexane, MTBE, and xylene. Only PCE and TCE were detected above their respective remediation goals at the additional ISCO wells sampled to characterize the current distribution of source area contamination. PCE was detected in all eleven wells at concentrations ranging from 0.29 µg/L to 15 µg/L. The highest PCE concentration of 15 µg/L was detected in ISCO injection well IW-ISCO-7. TCE was detected above the remediation goal of 5 µg/L in all eleven wells at concentration ranging from 16 µg/L to 940 µg/L, with the highest concentration of 940 µg/L detected also in IW-ISCO-7. In general, concentrations of site-related VOCs have decreased from pre-RA levels throughout the plume. Fluctuations in contaminant concentrations have been observed; however, an overall decreasing trend is evident in the data, decreases in concentrations of the primary contaminant TCE, accounting for most of the observed reduction in total VOCs. Concentrations of TCE degradation products, such as cis-1,2-DCE and vinyl chloride (VC), have been consistently low and have not changed significantly over time. Monitoring wells located at the distal end of the plume also exhibit a general trend of short-term fluctuations with an overall reducing trend. This indicates that the OMP extraction wells are targeting the depth interval impacted by the plume and that their continued operation will continue to remove contaminant mass from the downgradient portion of the plume.

Groundwater Sampling – 2021

HGL conducted the 2021 comprehensive annual sampling activities from June 8 to 17, 2021. Groundwater sampling followed standard operating procedures presented in the approved QAPP

(HDR, 2016; HGL, 2021). A total of 80 groundwater and process water samples, and 23 QC samples were collected as part of the comprehensive annual sampling event. A total of 74 groundwater samples were collected from 50 locations, consisting of two nonoperational extraction wells, fifteen multiport wells, four piezometers, and 29 conventional, single completion wells.

During the 2021 annual sampling event, TCE was detected in 62 of the 80 groundwater samples with concentrations ranging from 0.520 to 1690 µg/L. Concentrations in 33 of the samples collected exceeded the remediation goal of 5 µg/L. The highest concentration of TCE, 1690 µg/L, was detected in the sample from source area well IW-ISCO-7, screened approximately ten feet below the groundwater table. PCE was detected in 35 of the 80 groundwater samples with concentrations ranging from 0.580 to 28.8 µg/L. Concentrations of PCE in twelve of the samples were greater than or equal to the remediation goal of 5 µg/L. The highest concentration of PCE, 28.8 µg/L, was detected in the groundwater sample collected from source area well IW-ISCO-7. Cis-1,2-DCE was detected in nine of the 80 groundwater samples with concentrations ranging from 0.570 to 2.72 µg/L. All the cis-1,2-DCE detections were below the remediation goal. The highest concentration of cis-1,2-DCE, 2.72 µg/L, was detected in the groundwater sample collected from port D at the downgradient multiport well MPW-09. The following compounds were detected in one or more samples at concentrations less than their respective remediation goals: 1,1,1-trichloroethane, 1,1-DCA, 1,1-DCE, chloroform, methyl tert-butyl ether, and 1,2-trans-dichloroethylene (trans-1,2-DCE). Only PCE and TCE were detected above their respective remediation goals at the additional ISCO wells sampled to characterize the current distribution of source area contamination. PCE was detected in nine wells at concentrations ranging from 0.690 to 28.8 µg/L. The highest PCE concentration of 28.8 µg/L was detected in ISCO injection well IW-ISCO-7. TCE was detected above the remediation goal of 5 µg/L in all ten wells at concentration ranging from 4.49 to 1690 µg/L. As with PCE, the highest TCE concentration of 1690 µg/L detected in IW-ISCO-7. In general, concentrations of site-related VOCs have decreased from pre-RA levels throughout the plume. Fluctuations in contaminant concentrations have been observed; however, an overall decreasing trend is evident in the data, decreases in concentrations of the primary contaminant TCE, accounting for most of the observed reduction in total VOCs. Concentrations of TCE degradation products, such as cis-1,2-DCE and VC, have been consistently low and have not changed significantly over time. Monitoring wells located at the distal end of the plume also exhibit a general trend of short-term fluctuations with an overall reducing trend. This indicates that the OMP extraction wells are targeting the depth interval impacted by the plume and that their continued operation will continue to remove contaminant mass from the downgradient portion of the plume.

<u>Groundwater Sampling – 2022</u>

HGL conducted the 2022 comprehensive annual sampling activities from June 7 to 16, 2022. A total of 70 groundwater and process water samples, six surface water samples, and eighteen QC samples were collected as part of the annual sampling event. A total of 70 groundwater samples were collected from 36 locations, consisting of three nonoperational extraction wells, nine multiport wells (various zones sampled at each multiport well), four piezometers, and 25 conventional, single-completion wells. A total of six surface water samples were collected. Six surface water samples, consisting of four freshwater samples from OMP (SW-05, SW-06, SW-07, and SW-08) and two saline water samples from Port Jefferson Harbor (SW-15 and SW-16) were collected for VOCs and 1,4-dioxane analyses.

TCE was detected in 56 of the 78 groundwater samples with concentrations ranging from 0.540 to 366 µg/L. Concentrations in 33 of the samples collected exceeded the remediation goal of 5 µg/L. The highest concentration of TCE, 366 µg/L, was detected from downgradient well MW-PD-16, screened approximately 125 feet below the groundwater table. PCE was detected in 28 of the 78 groundwater samples with concentrations ranging from 0.550 to 12.1 µg/L. Concentrations of PCE in twelve of the samples were greater than or equal to the remediation goal of 5 µg/L. The highest concentration of PCE, 12.1 µg/L, was from monitoring well MPW-09-C. Cis-1,2-DCE was detected in eleven of the 78 groundwater samples with concentrations ranging from 0.540 to 2.00 µg/L. All the cis 1,2-DCE detections were below the remediation goal. The highest concentration of cis-1,2-DCE, 2.00 µg/L, was detected from downgradient monitoring well ERT-MW-2B. The following compounds were detected in one or more samples at concentrations less than their respective remediation goals: 1,1,1-trichloroethane, 1,1-DCA, 1,1-DCE, chloroform, and methyl tert-butyl ether. TCE was detected at all six surface water sample locations with concentrations ranging from 0.540 to 8.78 µg/L. Concentrations of TCE in two of the samples (SW-06 and SW-16) exceeded the screening criteria of 5 µg/L. The highest concentration of TCE, 8.78 µg/L, was detected in the sample from SW-16. Cis-1,2-DCE was detected in two of the six surface water sample locations, SW-06 and SW-07, with concentrations of 2.71 to 0.970 µg/L, respectively. PCE, VC, 1,1,1-TCA, 1,1-DCE, 1-1-DCA, and chloroform were not detected in the surface water samples. 1,4-dioxane was not detected in any of the surface water samples collected. Concentrations of site-related VOCs have decreased from pre-RA levels to present day levels throughout the plume. Decreases in concentrations of the primary contaminant TCE accounted for most of the observed reduction in total VOCs. Concentrations of TCE degradation products, such as cis-1,2-DCE and VC, have been consistently low and have not changed significantly over time. Average concentrations in the source area at the LAI property show a slight overall increase but are relatively stable compared to the downgradient portion of the plume. Monitoring wells located at the distal end of the plume also exhibit a general trend of short-term fluctuations with an overall reducing trend. Based on the overall trends in total VOC concentrations from 2014 to 2022, operation of ERTEW-6 and the increased overall extraction rate appears to have a direct influence on the MPW-09 cluster, located just downgradient of the OMP facility. The greatest impact appears to be on intermediate and deep portions of the plume, this indicates that the OMP extraction wells are targeting the depth interval impacted by the plume and that their continued operation will continue to remove contaminant mass from the downgradient portion of the plume.

Groundwater Sampling – 2024

HRP conducted the 2024 groundwater sampling activities from March 25, 2024, to April 9, 2024. Groundwater purging and sample collection from the Site wells were performed using low-flow sampling techniques in accordance with HRP's standard operating procedure and as recommended by NYSDEC and EPA guidance.

A total of 72 groundwater and twenty QC samples were collected from 41 locations, including nine LAI and OMP GWE&T wells, nine multiport wells (various zones sampled at each multiport well), four piezometers, and 25 conventional, single-completion wells. Additionally, a total of six surface water samples were collected from OMP and Port Jefferson Harbor. TCE was detected in 62 of the 77 groundwater samples with concentrations ranging from 0.160 to 260 µg/L. Concentrations in 25 of the samples collected exceeded the Aquifer Water Quality Standard (AWQS) of 5 µg/L. The highest concentration of TCE, 260 µg/L, was detected from downgradient well MW-PD-16, screened approximately 125 feet below the groundwater table. PCE was detected in 47 of the 77 groundwater

samples with concentrations ranging from 0.16 to 12 µg/L. Concentrations of PCE in three of the samples were greater than or equal to the AWQS of 5 µg/L. The highest concentration of PCE, 12 µg/L, was from monitoring well MPW-09-C. 1,2,3-trichloropropane (TCP) was detected in five of the 77 groundwater samples with concentrations ranging from 0.04 to 0.36 µg/L. Concentrations of 1,2,3-TCP in all five samples were greater than the AWQS of 0.04 µg/L. The highest concentration of 1,2,3-TCP, 0.360 µg/L, was detected in monitoring well MPW-01-C. Cis-1,2-DCE was detected in sixteen of the 77 groundwater samples with concentrations ranging from 0.16 to 1.3 µg/L. All the cis-1,2-DCE detections were below the AWQS. The highest concentration of cis-1,2-DCE, 1.3 µg/L, was detected from downgradient monitoring well ERT-MW-2D. TCE was detected at five of the six surface water sample locations with concentrations ranging from 1.2 to 5.9 µg/L. The highest concentration of TCE, 5.9 µg/L, was detected in the sample from SW-16. 1,4-dioxane was detected in four of the six surface water sample locations at concentrations ranging from 0.12 to 0.31 µg/L, which are all below the AWQS of 0.35 µg/L. PFAS compounds were detected in all six surface water samples with concentrations of total PFAS ranging from 3.1 to 41.25 nanograms per liter (ng/L). Perfluorooctanoic acid (PFOA) was detected in SW-05 at a concentration of 6.8 ng/L, which exceeds the 2021 AWQS screening criteria of 6.7 ng/L. All other detections of PFAS in the surface water samples were below the applicable criteria.

RAs at the source area and the downgradient portion of the plumes have resulted in a general reduction in contaminant concentrations over the operational period of the remediation systems. The source area plume was evaluated using analytical results from monitoring wells MW-ISCO-5 and MW-ISCO-10. Previously, the results from MW-ISCO-2 and MW-ISCO-4 were used in conjunction with MW-ISCO-5 to evaluate concentrations in the source area over time. However, MW-ISCO-2 and MW-ISCO-4 were not able to be sampled during the March 2024 sampling event, so the results from MW-ISCO-5 well MW-ISCO-10 are depicted on **Chart 7** and as an alternative. MW-ISCO-5 and MW-ISCO-10 are located at the LAI facility in the source area immediately upgradient of the extraction wells EW-01 through EW-03. Historically, following the completion of ISCO groundwater treatment, the source area experienced an initial rebound in total chlorinated ethene concentrations. The downgradient portion of the plume was evaluated using a series of single completion monitoring wells and one multiport well located along the centerline of the plume. Single completion wells MW-PD-12, MW-PD-14, and MW-PD-16 are located between the LAI and OMP facilities. Multiport well MPW-09, which monitors four different zones between the depths of 10 and 135 feet (A through D ports), is located immediately downgradient of the OMP extraction wells and is immediately adjacent to OMP. Contaminant concentrations in these wells show a downward trend since the startup of the OMP remediation system in 2010. The overall downward trend is presented in a plot of the average contaminant concentrations for these downgradient plume wells (MW-09, MW-PD-12, MW-PD-14, and MW-PD-16) over time is presented on **Chart 8.** Further reduction in total ethene concentrations within the source area is likely the result of a combination of the GWTF and natural attenuation processes. Based on the historical analytical results from MW-ISCO-5 and MW-ISCO-10, the site source area wells have exhibited a 94% decrease in total CVOC concentrations from 2013 to 2024.

TCE concentrations in surface water samples from OMP have decreased considerably from 2014 levels and have demonstrated a decreasing trend since monitoring began. In 2014, TCE concentrations were greater than 100 µg/L in SW-06 (220 µg/L) and SW-07 (180 µg/L). Since 2016 the highest concentrations observed in 2016, 2018, 2020, 2022, and 2024 were 19 µg/L (SW-07), 16 µg/L (SW-06), 20 µg/L (SW-07), 8.78 µg/L (SW-16), and 5.9 µg/L (SW-06), respectively.

TCE concentrations in surface water from the Port Jefferson Harbor samples have fluctuated over time but remain within the range of concentrations since 2014. TCE concentrations at SW-15, collected near the mouth of Old Mill Creek, have been consistently non-detect or just above the reporting limit of 0.50 µg/L. The TCE concentration at SW-16 was 1.4 µg/L in 2024, which is a significant decrease from 2022 (8.78 µg/L), while previous TCE concentrations at SW-16 ranged between 1 to 15 µg/L. The difference may be related to different plume concentrations discharging to the harbor, the degree of mixing after discharge or a combination of the two. Concentrations are expected to decrease with time due to the increased flow capacity of the OMP treatment facility. The upgrades performed at OMP in April 2016 were calculated to extend the capture zone of the plume; therefore, less contamination is expected to reach Port Jefferson Harbor and OMP, and the most recent results of surface water sampling support this notion.

The analytical results of the site related VOCs from the sampling event in March of 2024 is summarized in **Table 4**, the comprehensive results presenting all analysis are summarized in **Table 5**, and surface water analytical results are summarized in **Table 6**. **Figure 3** depicts the March 2024 Site wide contours and the inferred flow direction, and **Figure 4** depicts the inferred groundwater flow at the onsite source area. A TCE isoconcentration contour map is included as **Figure 5** and a PCE isoconcentration contour map is included as **Figure 6.** Isoconcentration contours were generated using the highest concentrations detected at each multi-port and clustered well location.

A comprehensive groundwater monitoring event was completed at the LAI site in March and April of 2024. The purpose of the groundwater monitoring was to monitor concentrations of CVOCs to evaluate the current groundwater contamination plume. The results from the 2024 sampling event were then compared to the pre-remediation May 2008 baseline groundwater sampling to track remediation system effectiveness. Based on the results of the 2024 groundwater sampling event, concentrations of CVOCs are continuing to decrease in both the onsite and offsite contaminant plumes. CVOC concentrations in surface water (Port Jefferson Harbor) have decreased since the initial sampling in 2014 and have stabilized since 2022. Reductions of CVOCs in groundwater and surface water can be attributed to the operation of the LAI and OMP GWTF, as well as natural attenuation of the groundwater plume.

Monitoring of groundwater and surface water will continue to be conducted to evaluate the movement and attenuation of the groundwater plume as well as remedial systems effectiveness. The NYSDEC has approved a groundwater sampling frequency of every fifteen months, therefore, the next round of comprehensive sampling is currently scheduled for June 2025.

<u>Groundwater Sampling – 2025</u>

To support RSO activities, a limited groundwater sampling event was completed at the LAI onsite source area wells on January 2 through 3. At the time of this report's submittal, the data is being evaluated and had not been reported and will be reported as part of the 2025 RSO evaluation.

5.3.2 Machine Pit Soil Investigation

As part of RSO activities, the 2023 and 2024 demolition of the Site buildings was performed by removing the buildings down to the concrete slabs. Within the buildings there were multiple locations of machine pits/trenches, which contained standing water, debris, old machinery, etc. During

demolition activities, any oil remaining in the machines and processing equipment was drained and drummed for offsite disposal, and the equipment removed and disposed of offsite. Once the equipment was removed, the pits/trenches were drained of liquids, cleaned, and backfilled with recycled concrete aggregate, the following soil investigation was initiated directly beneath and around the perimeter of each location to evaluate the conditions beneath the slab at potential source areas (i.e., former machining operations).

To characterize subsurface soil conditions surrounding the 34 known machine pits/trenches, HRP collected data from 138 soil boring locations during two separate mobilizations from March 11 through April 3, 2024, and April 29 through May 2, 2024. Following concrete coring through the building slabs, the soil borings were advanced using a Geoprobe and direct push technology from around the perimeter of each machine pit/trench from slab grade to an approximate depth of ten feet below the bottom of each pit. Additionally, soil borings were advanced outside the building footprints at potentially unknown source areas, including out of use cesspools, and dry wells. Locations of the machine pits and associated soil boring locations are depicted on **Figure 7.**

During soil boring activities, soil samples were logged and screened in five-foot increments by an HRP geologist. Soil samples were logged by grain size, color, moisture, presence of fill material, and obvious physical evidence of contamination (i.e., odor, staining). The soil borings were located throughout the Site, at all of the former building structures and potentially unidentified source areas. The borings were installed around the perimeter of each machine pit or feature, and/or directly through the pits that had been cleaned and filled to grade during demolition activities. None of the boring locations were limited by refusal. Soil samples were collected from the soil borings at depths ranging from 0 to 42 feet below grade (fbg). A minimum of one soil sample was collected per boring location, with up to three samples collected from soil borings depending on field observations. Between March 11 and May 2, 2024, a total of 281 soil samples were collected from shallow soil borings advanced near the former machine pits. During the summer of 2024, an additional 80 soils samples were collected from four soil boring locations advanced from grade surface into the water table to approximately 225 fbg, via sonic drilling technology. Soil samples from each investigation location were analyzed for the following Site constituents of concern (COCs):

- Target Compound List VOCs +10 by EPA Method 8260
- Target Compound List SVOCs +20 by EPA Method 8270
- Target Analyte List metals by EPA Method 6010B
- Total mercury by EPA Method 7471A
- Target Compound List PCBs by EPA Method 8082
- PFAS Analyte list compounds by EPA Method 1633
- 1,4-Dioxane by EPA Method 8270

The analytical results indicated that VOCS, semi-volatile organic compounds (SVOCs) and PFAS were not detected at concentrations above New York Code of Rules and Regulations (NYCCR), 6 NYCCR Part 375, Table 375-6.8(b), *Restricted Commercial Use Soil Cleanup Objectives* (SCOs) in any of the soil samples collected during the investigation. During site investigations, PCBs and lead were identified in shallow soils at concentrations above 6 NYCCR Part 375, Table 375-6.8(b): Restricted

Commercial Use SCOs, southeast of former building 30, adjacent to the Setauket Greenway Trail. No other total metals were detected above 6 NYCCR Part 375, Table 375-6.8(b): Restricted Commercial Use SCOs. The analytical results of all soil samples with detections above laboratory reporting limits from the 2024 soil investigation is summarized in **Table 7,** and **Table 8** summarizes the soil analytical results for 2024 deep sonic soil boring investigation.

The identified impacts of PCB and lead required further delineation and subsequently a remedial excavation to remove the upper one feet of impacted soil. The excavation was completed in June 2024 and is summarized below.

Analytical results obtained from soil boring SB-100 identified elevated concentrations of total lead greater than Part 375 Restricted Commercial Use SCO, triggering additional delineation. A total of fifteen soil borings and 31 soil samples were collected and submitted for analysis between April 1 and May 2, 2024, to delineate the nature and extent of soil impacts in this area, including resampling soil from SB-100 (SB-100R). The soil samples associated with this investigation and remediation are the SB-110 series, and PE-01 through PE-05. While it should be noted that the resampling of soil boring SB-100R resulted in inconsistent results for total lead, PCBs were detected at concentrations greater than the Restricted Commercial Use SCO of one milligram per kilogram (1 mg/kg) in surficial soils. Of the 31 samples submitted for analysis, only SB-100R and SB-100B contained PCBs at concentrations greater than the Cleanup Objectives; PCB concentrations ranged between 1.64 and 3.23 mg/kg from the 0 to 2 fbg samples. Total lead was not detected above the Commercial SCO in any of the 0 to 2 fbg samples, therefore the focus of the remedial excavation was to remove PCB impacted soils to 1 fbg. A total of approximately 26 cubic yards of impacted soil was excavated from the southeastern portion of the Site on June 25-26, 2024, to remediate impacts of PCBs with reported concentrations greater than Part 375 Restricted Commercial Use SCOs. The post-excavation laboratory analytical results indicate that the source material was effectively removed, and based on these findings, HRP does not recommend further action regarding the excavation of shallow soils within the area. The soil delineation and post-excavation analytical results are summarized in **Table 7**.

5.4 Monitoring Deficiencies

During the review and certification period associated with this report no deficiencies in the Monitoring Program were encountered.

5.5 Conclusions and Recommendations for Changes

The monitoring plan is effective and provides for an adequate amount of data collection to evaluate the system's performance, no changes are recommended. Remedial effectiveness is adequate in controlling the remaining contamination onsite. Concentrations of CVOCs are continuing to decrease in both the onsite and offsite contaminant plumes. CVOC concentrations in surface water (Port Jefferson Harbor) have decreased since the initial sampling in 2014 and have generally stabilized since 2022. Reductions of CVOCs in groundwater and surface water can be attributed to the operation of the LAI and OMP GWE&T facilities, as well as natural attenuation of the groundwater plume. The groundwater concentrations have been significantly reduced by its continued operation. HRP will conduct an RSO evaluation in 2025 in attempt to increase the efficiency of the systems.

6.0 OPERATIONS AND MAINTENANCE PLAN COMPLIANCE

The on-going O&M program at the Site includes the following:

- Monthly operations and monitoring of the GWE&T systems
- Change-out of the GAC on the treatment systems annually, or as needed
- Annual Operation and Monitoring Reports
- A PRR will be issued on a five-year basis consistent with the five-year report (FYR) scheduled outlined by the EPA and NYSDEC
- Ongoing RSO to evaluate potential options to increase the effectiveness of the active groundwater treatment

During the review and certification period associated with this report, the GWE&T system located at OMP ran without interruption beyond routine maintenance activities and periodic power losses. During the review and certification period associated with this report, the GWE&T system located the LAI facility encountered several issues and experienced downtime due to power outages, the system optimization tasks, the replacement of a discharge pump, and the installation and maintenance of EW-03.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Compliance with Site Management Plan

Based on the activities conducted from 2020 to 2025 the major elements of the 2021 SMP were met during the reporting period. The ECs, including the GWE&T system at the LAI facility and the GWE&T system at OMP, are designed to contain the offsite migration of VOCs in groundwater. The GWE&T system's primary purpose was to extract contaminated groundwater for treatment and discharge in order to prevent further migration of the groundwater contaminant plume. The SVE system's purpose is to recover mass from the source areas and prevent offsite migration of contaminated groundwater. When these systems are operational the contamination is contained to within the immediate vicinity of the Site.

7.2 Effectiveness of the Remedy

Data collected during the reporting period indicates that the remedy is effective for both remediating the source of the contamination and protecting human health by reducing the amount of contamination in the environment surrounding the Site.

7.3 Future Periodic Review Report Submittals

PPRS are due every five years. The next PRR covering the reporting period from January 15, 2025, to January 31, 2030, will be submitted in March 2030.

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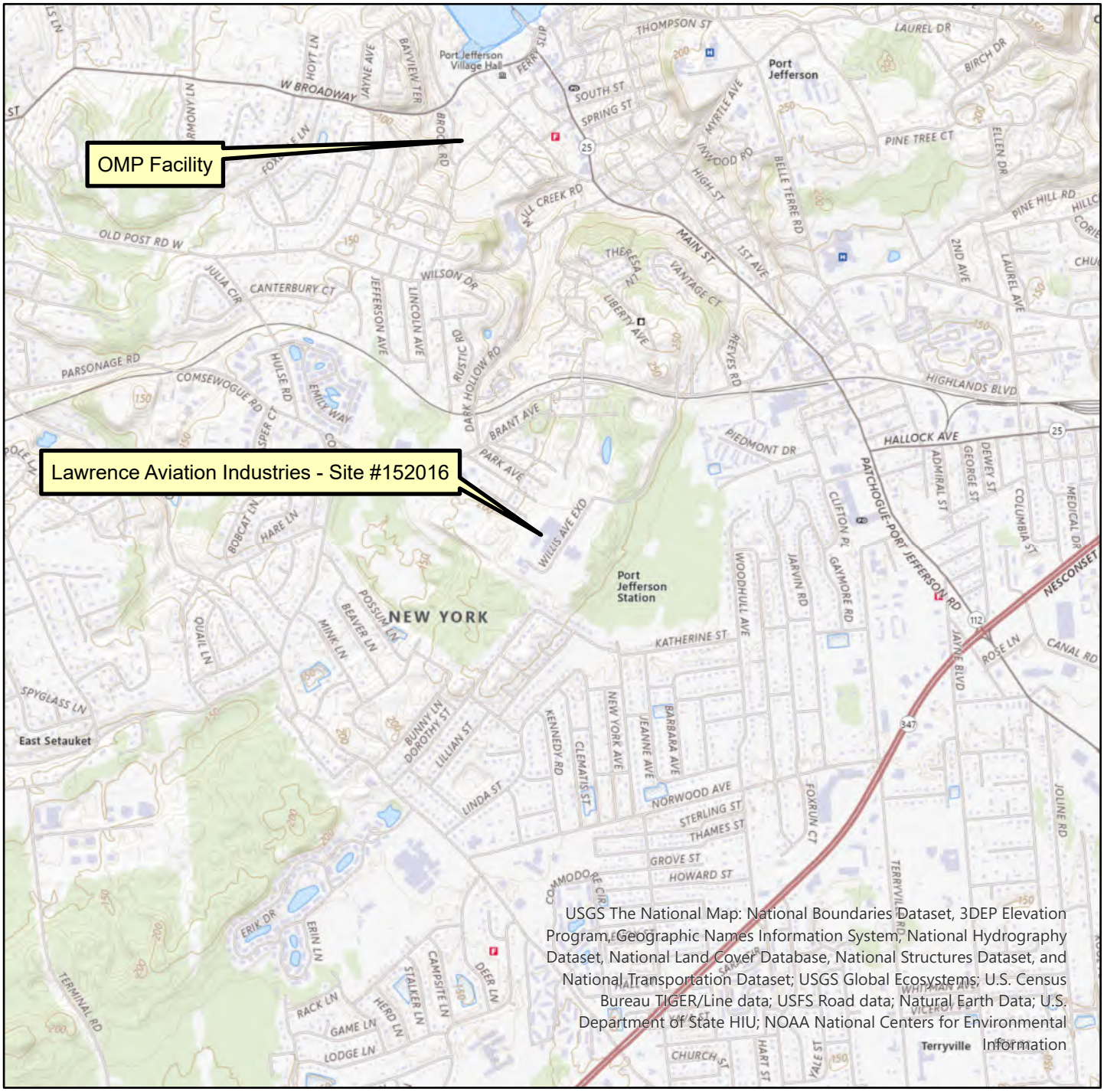
FIGURES



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0 1,000 2,000 4,000 6,000 8,000 Feet

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USGS Quadrangle Information
Quad ID: o40073h1
Name: Port Jefferson

Figure 1
Site Location
100 Sheep Pasture Road,
Port Jefferson Station, Brookhaven, NY
HRP #DEC1027.OM
Scale 1" = 2,000'

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Path: S:\Data\NYDEC - NYSDEC\BROOKHAVEN\SHEEP PASTURE ROAD, PORT JEFFERSON STATION, NY 11776\DEC1027OM\GIS\GWM Figures\Site Location\Site Location.aprx

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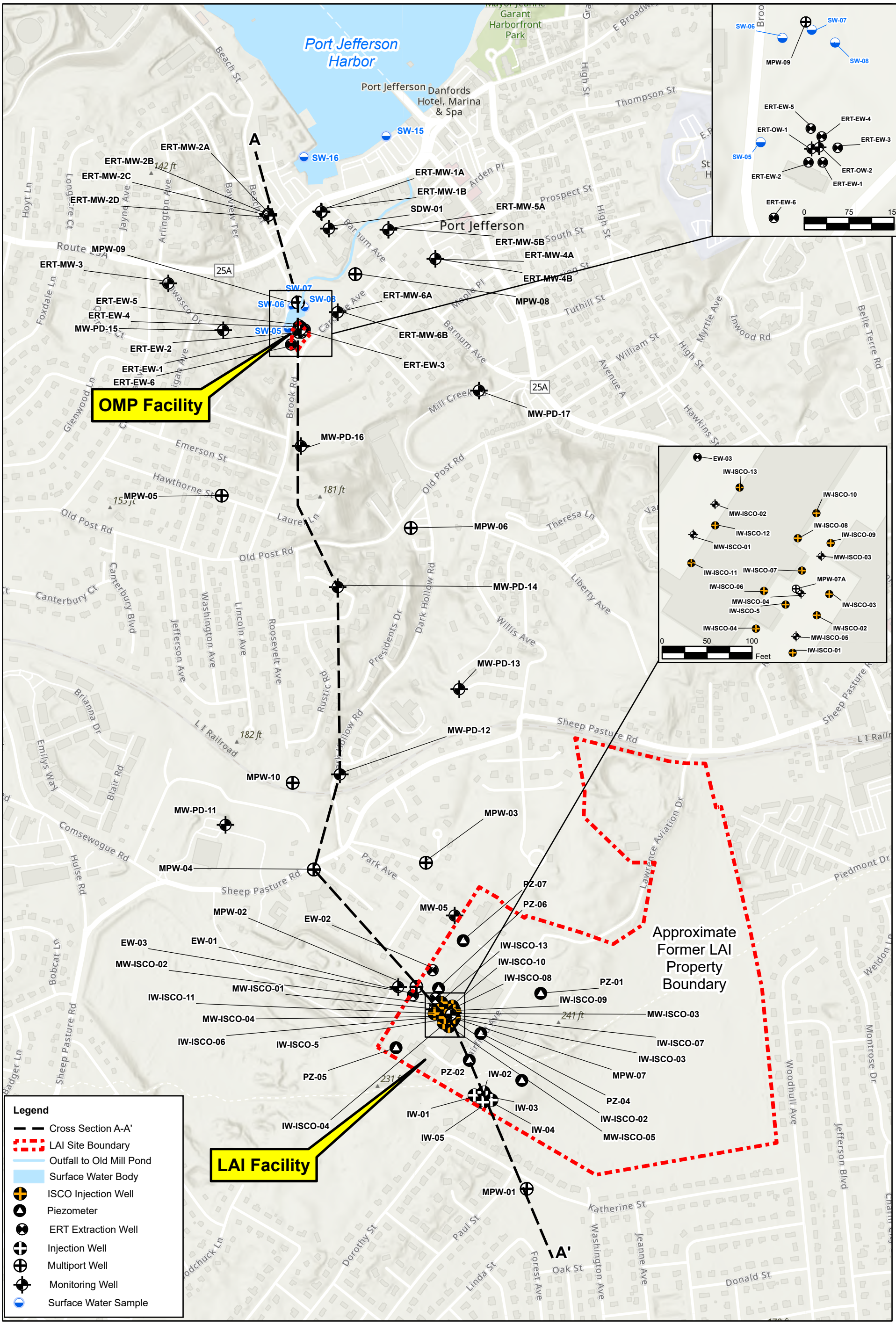

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Monitor Well/Surface Water Sample Locations and Cross Section Map

Lawrence Aviation Industries
SITE NO. 152016
Sheep Pasture Road
Port Jefferson, New York

JH DESIGNED BY:	11X17 SHEET SIZE:
BOB DRAWN BY:	06/18/2024 DATE:
DR REVIEWED BY:	DEC1027.OM PROJECT NUMBER:

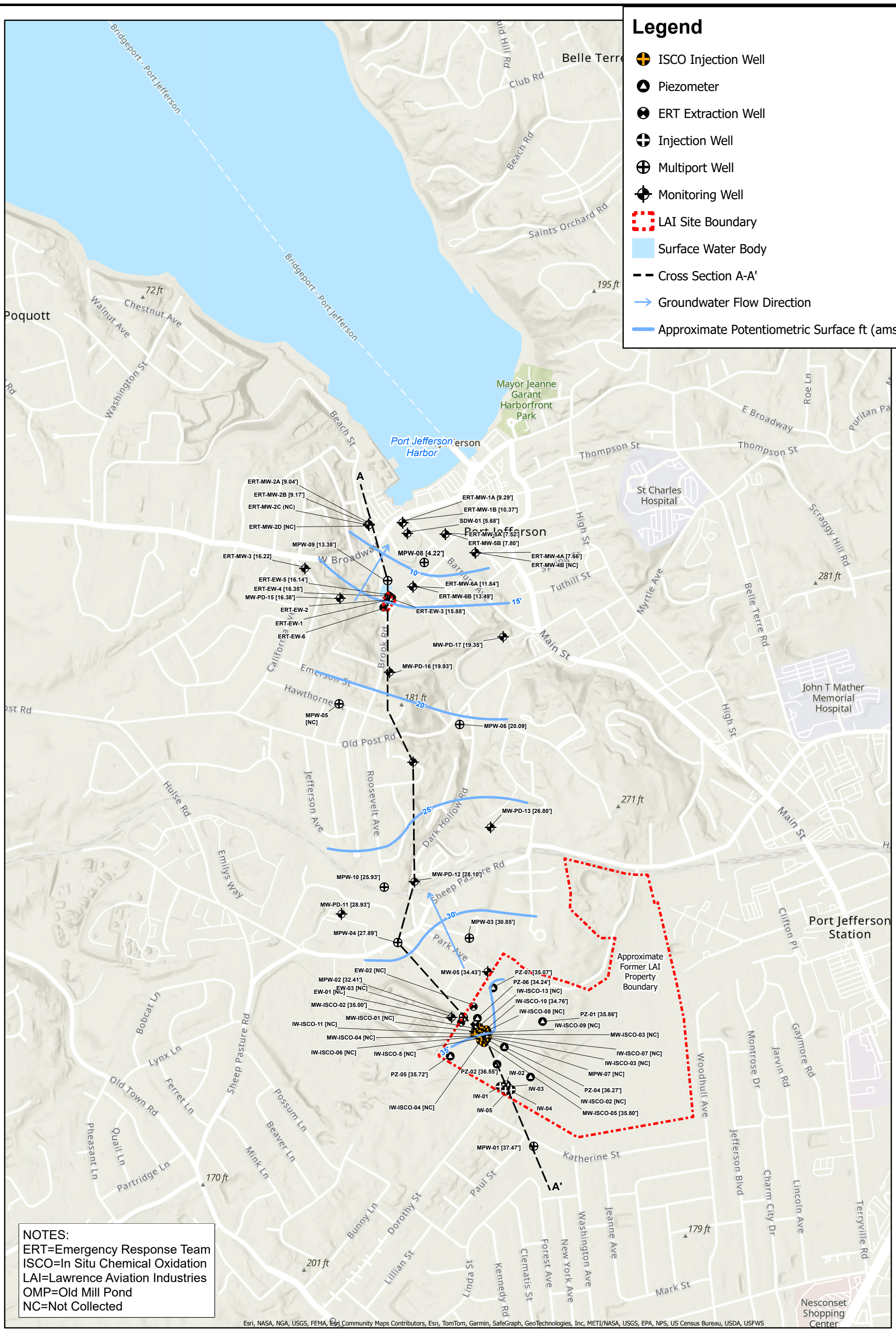
North

1" = 700'

0 350 700 Ft

FIGURE 2

Path: S:\Data\NY\DEC - NYSDEC\BROOKHAVEN\SHEEP PASTURE ROAD, PORT JEFFERSON STATION, NY 11776\DEC1027OM\GIS\GWM Figures\Figures.aprx



NOTES:
ERT=Emergency Response Team
ISCO=In Situ Chemical Oxidation
LAI=Lawrence Aviation Industries
OMP=Old Mill Pond
NC=Not Collected

Path: S:\Data\NY\DEC - NYSDEC\BROOKHAVEN\SHEEP PASTURE ROAD, PORT JEFFERSON STATION, NY 11776\DEC1027OM\GIS\GWM Figures\Figures.aprx

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March 2024 Upper Glacial Aquifer Potentiometric Surface

Lawrence Aviation Industries
SITE NO. 152016
Sheep Pasture Road
Port Jefferson, New York

JH DESIGNED BY:	11X17 SHEET SIZE:
BOB DRAWN BY:	06/05/2024 DATE:
DR REVIEWED BY:	DEC1027.OM PROJECT NUMBER:

North

1" = 700'
0 350 700 Ft

FIGURE 3

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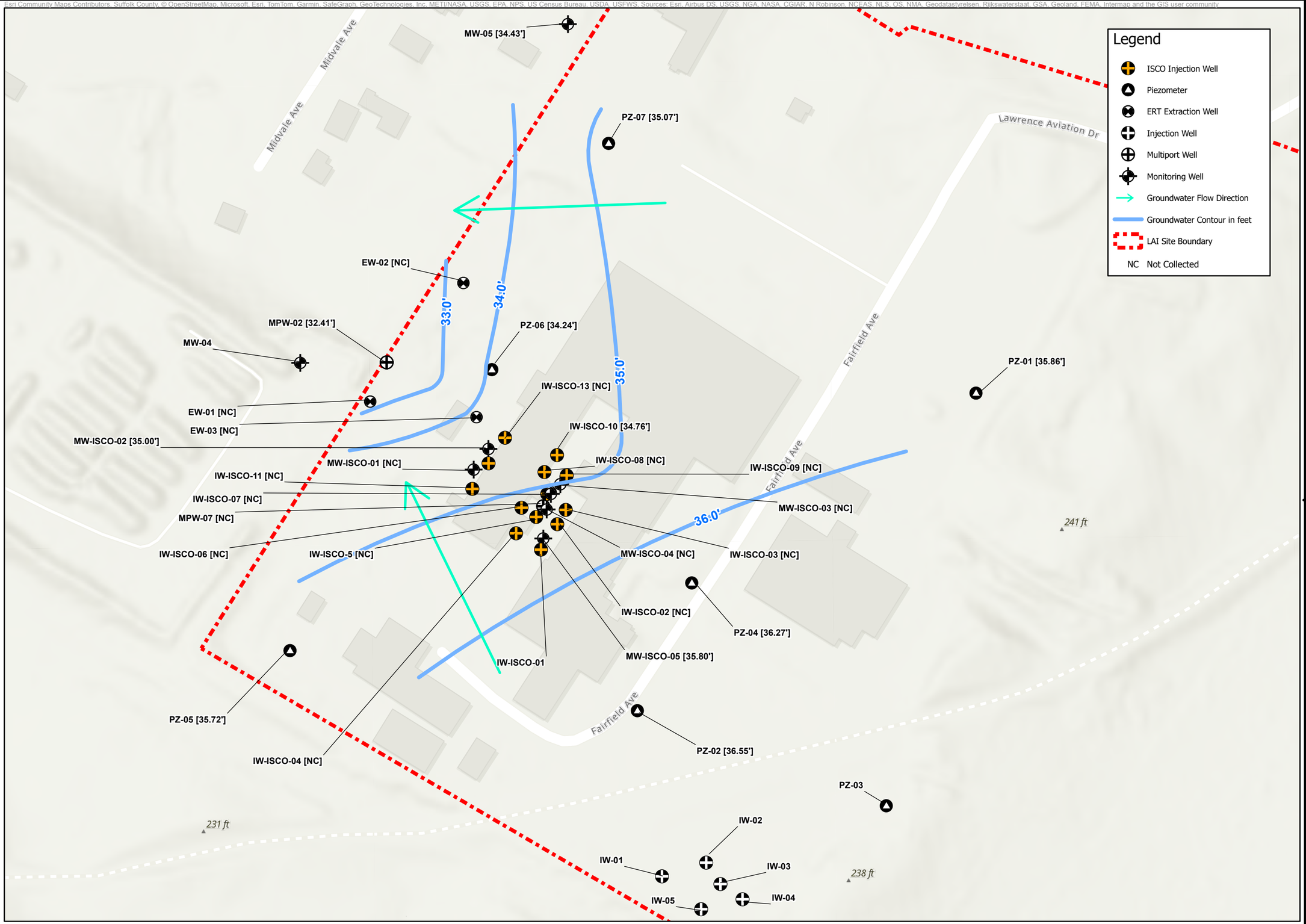

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North

0 75 150 Feet

Revisions	
No.	Date

Designed By:	Drawn By:	Reviewed By:
JH	BOB	DR

Issue Date:	Project No:	Sheet Size:
06/05/2024	DEC1027.OM	11x17

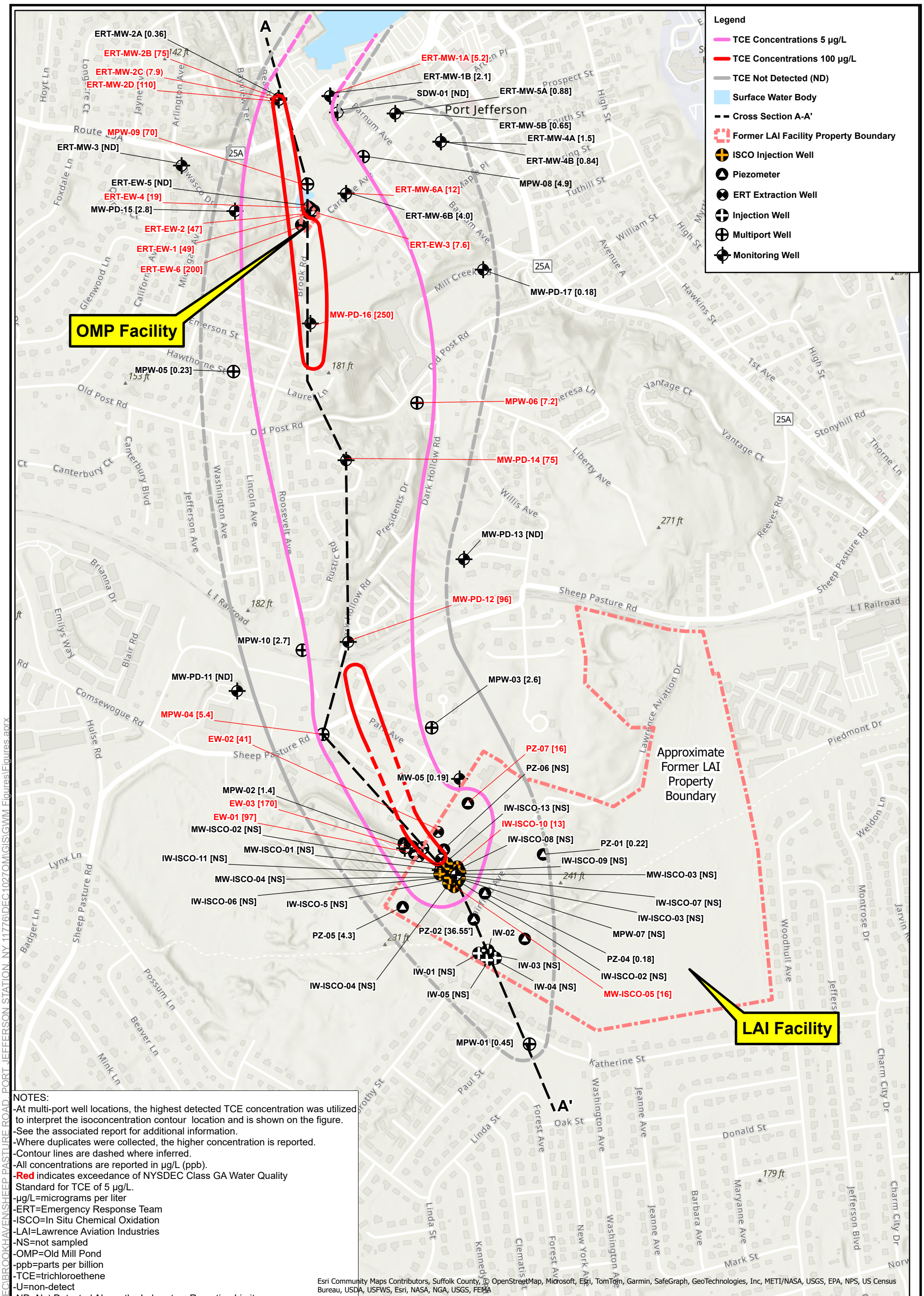
GWM - LAI Facility Flow Map

Lawrence Aviation Industries
Site No. 125016
Sheep Pasture Road
Port Jefferson, New York

FIGURE NO.

4

Path: S:\Data\NNYDEC - NYSDEC\BROOKHAVEN\SHEEP PASTURE ROAD, PORT JEFFERSON STATION, NY 11776\DEC1027OM\GIS\GWM Figures\Figures.aprx



NOTES:
-At multi-port well locations, the highest detected TCE concentration was utilized to interpret the isoconcentration contour location and is shown on the figure.
-See the associated report for additional information.
-Where duplicates were collected, the higher concentration is reported.
-Contour lines are dashed where inferred.
-All concentrations are reported in µg/L (ppb).
-**Red** indicates exceedance of NYSDEC Class GA Water Quality Standard for TCE of 5 µg/L.
-µg/L=micrograms per liter
-ERT=Emergency Response Team
-ISCO=In Situ Chemical Oxidation
-LAI=Lawrence Aviation Industries
-NS=not sampled
-OMP=Old Mill Pond
-ppb=parts per billion
-TCE=trichloroethene
-U=non-detect
-ND=Not Detected Above the Laboratory Reporting Limit

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March 2024 TCE Isoconcentration Contours

Lawrence Aviation Industries
Site No. 152016
Sheep Pasture Road
Port Jefferson, New York

JH DESIGNED BY:	11X17 SHEET SIZE:
BOB DRAWN BY:	06/05/2024 DATE:
DR REVIEWED BY:	DEC1027.OM PROJECT NUMBER:

North

1" = 700'
0 350 700 Ft

FIGURE 5

Path: S:\Data\NYDEC - NYSDEC\BROOKHAVEN\SHEEP PASTURE ROAD, PORT JEFFERSON STATION, NY 11776\DEC1027OM\GIS\GWM Figures\Figures.aprx

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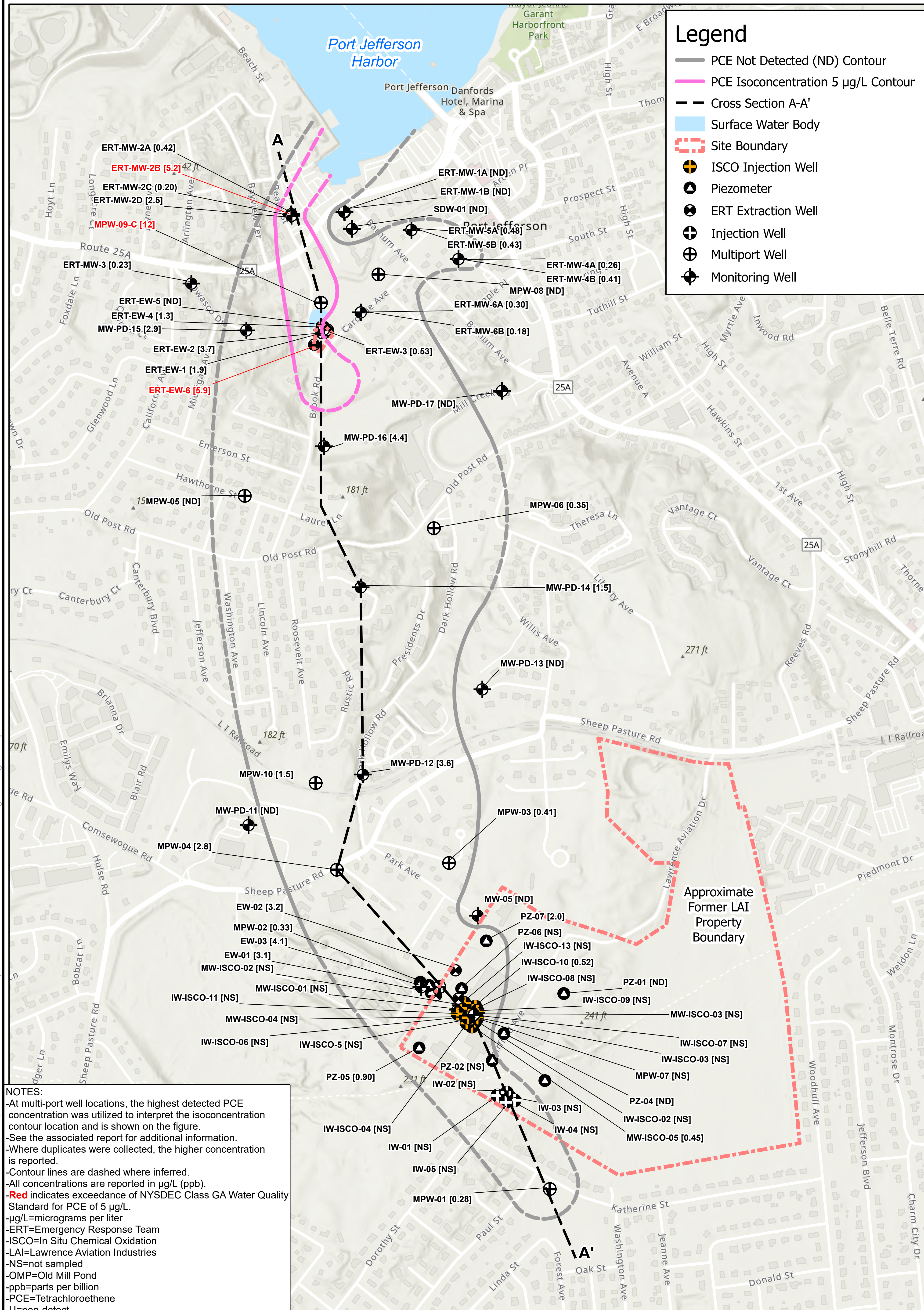

NOTES:

- At multi-port well locations, the highest detected PCE concentration was utilized to interpret the isoconcentration contour location and is shown on the figure.
- See the associated report for additional information.
- Where duplicates were collected, the higher concentration is reported.
- Contour lines are dashed where inferred.
- All concentrations are reported in µg/L (ppb).
- **Red** indicates exceedance of NYSDEC Class GA Water Quality Standard for PCE of 5 µg/L.
- µg/L=micrograms per liter
- ERT=Emergency Response Team
- ISCO=In Situ Chemical Oxidation
- LAI=Lawrence Aviation Industries
- NS=not sampled
- OMP=Old Mill Pond
- ppb=parts per billion
- PCE=Tetrachloroethene
- U=non-detect
- ND=Not Detected Above the Laboratory Reporting Limit

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March 2024 Comprehensive Sampling PCE Isoconcentration Contours

Lawrence Aviation Industries
Site No. 152016
Sheep Pasture Road
Port Jefferson, New York

DESIGNED BY: JH	SHEET SIZE: 11X17
DRAWN BY: BOB	DATE: 06/07/2024
REVIEWED BY: DR	PROJECT NUMBER: DEC1027.OM

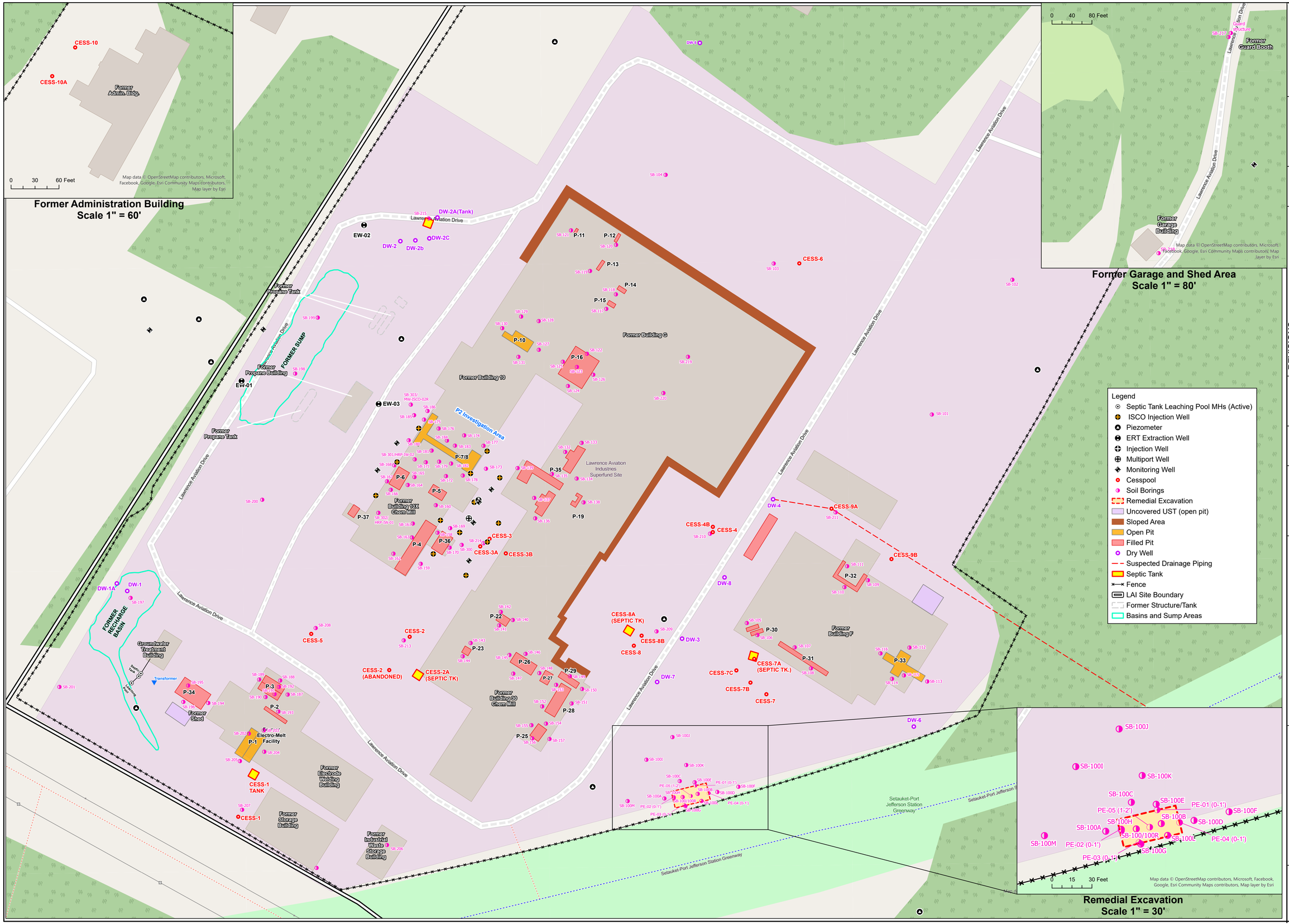
North

1" = 700'

0 350 700 Ft

FIGURE 7

Path: S:\Data\NYDEC - NYSDEC\BROOKHAVEN\SHEEP PASTURE ROAD, PORT JEFFERSON STATION, NY 11776\DEC1027OM\GIS\GWM Figures\Figures.aprx



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NORTH

0 25 50 Feet

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED: CS	SCALE: 1"=50'		
DRAWN: BOB	ISSUE DATE: 03/06/2024	PROJECT NUMBER: DEC1027.OM	
REVIEWED: DR			
APPROVED: DR	SHEET SIZE: 24"X36"		

Lawrence Aviation Industries
Site #152016
100 Sheep Pasture road
Port Jefferson Station, New York

Soil Boring Investigation

FIGURE NO.
1

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TABLES

Table 1: LAI Groundwater Extraction and Treatment System - EW-01

Summary of VOC Mass Removal

Lawrence Aviation Industries - NYSDEC Site # 152016

100 Sheep Pasture Road, Port Jefferson, NY

Sample Date	Period (Number of days between samples)	Total Flow (Gallons)	Influent PCE Concentration (µg/L)	Influent TCE Concentration (µg/L)	Total Influent CVOC Concentration (µg/L)	Total TCE Mass Removed (lbs/month)	Cumulative TCE (since September 2021)	Total CVOC Mass Removed (lbs/month)	Cumulative (since September 2021)
8/19/2021	--	36159495	2.4	56.2	58.6	--	--	--	--
9/22/2021	34	37730737	2.1	64	66.1	0.84	0.84	0.87	0.87
11/9/2021	48	37865361	2.8	72	74.8	0.08	0.92	1.06	1.93
1/19/2022	119	38079970	2.1	73.3	75.4	0.13	1.05	0.22	2.15
4/25/2023	461	39730498	2.1	74.0	76.1	1.02	2.07	1.05	3.20
11/15/2023	204	40383554	2.7	99.0	101.7	0.54	2.61	0.55	3.75
1/26/2024	72	40563790	5.8	190.0	195.8	0.29	2.90	0.29	4.05
2/20/2024	25	40633265	2.3	83	85.3	0.05	2.94	0.05	4.10
3/28/2024	37	40703265	3.1	97	100.1	0.06	3.00	0.06	4.16
4/25/2024	28	40738926	2.6	29	31.6	0.01	3.01	0.01	4.17
5/23/2024	28	40828518	2.4	78	80.4	0.06	3.07	0.06	4.23
6/27/2024	35	40880472	3.1	98	101.1	0.04	3.11	0.04	4.27
7/31/2024	34	40930942	3.8	130	133.8	0.05	3.16	0.06	4.33
8/28/2024	28	40943582	4	140	144.0	0.01	3.18	0.02	4.34
9/24/2024	27	41049117	3	88	90.9	0.08	3.26	0.08	4.42
10/24/2024	30	41136484	5	140	144.5	0.10	3.36	0.11	4.53
11/7/2024	14	41192366	--	--	--	0.00	3.36	0.00	4.53
11/14/2024	21	41295780	2.4	75	77.4	0.06	3.42	0.07	4.59
12/18/2024	41	41345915	7.9	210	217.9	0.27	3.63	0.28	4.81
1/29/2025	42	41513341	3.1	96	99.1	0.17	3.60	0.14	4.94

Notes

PCE = Tetrachloroethylene

TCE = Trichloroethylene

lbs = pounds

µg/L = micrograms per cubic liter

Total Flow based on flow meter readings using average flow values due to incorrect meter readings during certain months

Table 1: LAI Groundwater Extraction and Treatment System - EW-02

Summary of VOC Mass Removal

Lawrence Aviation Industries - NYSDEC Site # 152016

100 Sheep Pasture Road, Port Jefferson, NY

Sample Date	Period (Number of days between samples)	Total Flow (Gallons)	Influent PCE Concentration (µg/L)	Influent TCE Concentration (µg/L)	Total Influent CVOC Concentration (µg/L)	Total TCE Mass Removed (lbs/month)	Cumulative TCE (since September 2021)	Total Mass Removed (lbs/month)	Cumulative (since September 2021)
8/19/2021	--	36939725	2.41	26.4	28.8	--	--	--	--
9/22/2021	34	38617353	1.85	24.4	26.3	0.34	0.34	0.37	0.37
11/9/2021	48	38970471	1.6	21	22.6	0.06	0.40	0.38	0.75
1/19/2022	119	39544957	1.5	25.7	27.2	0.12	0.53	0.13	0.88
4/25/2023	461	41082624	1.8	28.0	29.8	0.36	0.89	0.38	1.26
11/15/2023	204	41674106	3.0	32.0	35.0	0.16	1.04	0.17	1.44
1/25/2024	71	41807258	3.6	36.0	39.6	0.04	1.08	0.04	1.48
2/20/2024	26	41841737	2.7	30	32.7	0.01	1.09	0.01	1.49
3/28/2024	37	41890803	3.2	41	44.2	0.02	1.11	0.02	1.51
4/25/2024	28	41927934	2.6	29	31.6	0.01	1.12	0.01	1.52
5/23/2024	28	41996776	2.2	24	26.2	0.01	1.13	0.02	1.53
6/27/2024	35	42032564	1.6	22	23.6	0.01	1.14	0.01	1.54
7/31/2024	34	42067329	1.5	23	24.5	0.01	1.15	0.01	1.55
8/28/2024	28	42076269	1.3	22	23.3	0.00	1.15	0.00	1.55
9/24/2024	27	42148372	1.6	22	23.6	0.01	1.16	0.01	1.56
10/24/2024	30	42192156	1.3	25	26.3	0.01	1.17	0.01	1.57
11/7/2024	14	42229860	--	--	--	0.00	1.17	0.00	1.57
11/14/2024	21	42269916	1.5	22	23.5	0.01	1.18	0.01	1.58
12/18/2024	41	42334770	2.8	46	48.8	0.04	1.21	0.04	1.61
1/29/2025	42	42447651	2.3	35	37.3	0.05	1.23	0.04	1.65

Notes

PCE = Tetrachloroethylene

TCE = Trichloroethylene

lbs = pounds

µg/L = micrograms per cubic liter

Total Flow based on flow meter readings using average flow values due to incorrect meter readings during certain months

Table 1: LAI Groundwater Extraction and Treatment System - EW-03

Summary of VOC Mass Removal

Lawrence Aviation Industries - NYSDEC Site # 152016

100 Sheep Pasture Road, Port Jefferson, NY

Sample Date	Period (Number of days between samples)	Total Flow (Gallons)	Influent PCE Concentration (µg/L)	Influent TCE Concentration (µg/L)	Total Influent CVOC Concentration (µg/L)	Total TCE Mass Removed (lbs/month)	Cumulative TCE (since September 2021)	Total Mass Removed (lbs/month)	Cumulative (since September 2021)
9/1/2021	--	115839	5.2	247	252.2	--	--	--	--
9/22/2021	21	133296	3.4	150	153.4	0.02	0.02	0.02	0.02
11/9/2021	48	173200	2.6	91	93.6	0.03	0.05	0.03	0.05
1/19/2022	71	189907	--	--	--	0.00	0.05	0.00	0.05
4/25/2023	532	315093	2.7	140.0	142.7	0.15	0.20	0.15	0.20
11/15/2023	204	791351	2.5	110.0	112.5	0.44	0.64	0.45	0.65
1/26/2024	72	905640	6.0	250.0	256	0.24	0.87	0.24	0.89
2/20/2024	25	928539	2.5	110	112.5	0.02	0.90	0.02	0.92
3/28/2024	37	956869	4.1	170	174.1	0.04	0.94	0.04	0.96
4/25/2024	28	1013529	3.1	130	133.1	0.06	1.00	0.06	1.02
5/23/2024	28	1073978	2.61	97	99.61	0.05	1.05	0.05	1.07
6/27/2024	35	1104378	4.3	170	174.3	0.04	1.09	0.04	1.11
7/31/2024	34	1133910	5	190	195	0.05	1.14	0.05	1.16
8/28/2024	28	1133971	--	--	--	0.00	1.14	0.00	1.16
9/24/2024	27	1133971	--	--	--	0.00	1.14	0.00	1.16
10/24/2024	30	1133971	--	--	--	0.00	1.14	0.00	1.16
11/7/2024	44	1134093	8.4	300	308.4	0.00	1.14	0.00	1.16
11/14/2024	7	1151986	5.1	240	245.1	0.04	1.17	0.04	1.20
12/18/2024	41	1235339	13.0	450	463.0	0.38	1.52	0.32	1.48
1/29/2025	42	1350374	3.4	140	143.4	0.23	1.40	0.14	1.62

Notes

PCE = Tetrachloroethylene

lbs = pounds

µg/L = micrograms per cubic liter

Total Flow based on flow meter readings using average flow values due to incorrect meter readings during certain months

EW-3 offline in January 2022, and August-October 2024 due to equipment repairs

Table 1a: OMP Groundwater Extraction and Treatment System - EW-01

Summary of VOC Mass Removal

Lawrence Aviation Industries - NYSDEC Site # 152016

100 Sheep Pasture Road, Port Jefferson, NY

Sample Date	Period (Number of days between samples)	Total Flow (Gallons)	Influent PCE Concentration (µg/L)	Influent TCE Concentration (µg/L)	Total CVOC Concentration (µg/L)	Total TCE Mass Removed (lbs/month)	Cumulative TCE (since September 2022)	Total Mass Removed (lbs/month)	Cumulative mass removed (since September 2022)
8/11/2022	--	9491329	2.32	13.1	15.4	--	--	--	--
9/15/2022	35	9729732	2.57	79.4	82.0	0.16	0.2	0.16	0.16
11/15/2023	426	28422950	1.8	51.0	52.8	7.96	8.11	8.24	8.40
1/25/2024	71	33260288	2.4	64.0	66.4	2.58	10.70	2.68	11.08
2/20/2024	26	35237370	1.6	48	49.6	0.79	11.49	0.82	11.08
4/25/2024	65	40377784	1.7	48	49.7	2.06	13.55	2.13	13.21
5/23/2024	28	42693876	1.8	45	46.8	0.87	14.42	0.90	14.12
6/27/2024	35	45564535	1	42	43.0	1.01	15.42	1.03	15.15
7/31/2024	34	48356094	1.4	43	44.4	1.00	16.43	1.03	16.18
8/28/2024	28	48632865	2.6	69	71.6	0.16	16.59	0.17	16.35
9/24/2024	27	50836328	1.8	51	52.8	0.94	17.52	0.97	17.32
10/24/2024	30	52643696	4.0	92	96.0	1.39	18.91	1.45	18.77
11/8/2024	15	55354748	1.7	46	47.7	1.04	19.95	1.08	19.85
12/18/2024	55	57764573	2.1	51	53.1	2.18	21.09	1.07	19.83
1/29/2025	42	61161372	1.8	47	48.8	2.28	22.23	1.38	21.22

Notes

PCE = Tetrachloroethylene

TCE = Trichloroethylene

lbs = pounds

µg/L = micrograms per cubic liter

Total Flow based on flow meter readings using average flow values due to incorrect meter readings during certain months

Table 1a: OMP Groundwater Extraction and Treatment System - EW-02

Summary of VOC Mass Removal

Lawrence Aviation Industries - NYSDEC Site # 152016

100 Sheep Pasture Road, Port Jefferson, NY

Sample Date	Period (Number of days between samples)	Total Flow (Gallons)	Influent PCE Concentration (µg/L)	Influent TCE Concentration (µg/L)	Total CVOC Concentration (µg/L)	Total TCE Mass Removed (lbs/month)	Cumulative TCE (since September 2022)	Total Mass Removed (lbs/month)	Cumulative mass removed (since September 2022)
8/11/2022	--	37523270	--	--	--			--	--
9/15/2022	35	37682074	3.22	39.6	42.8	0.05	0.05	0.06	0.06
11/15/2023	426	73109300	4.1	50.0	54.1	14.78	14.84	15.99	16.05
1/25/2024	71	78610235	4.4	67.0	71.4	3.08	17.91	3.28	19.33
2/20/2024	26	80928202	3.7	45	48.7	0.87	18.78	0.94	19.33
4/25/2024	65	86723121	4	47	51.0	2.27	21.05	2.47	21.80
5/23/2024	28	89366194	3.7	44	47.7	0.97	22.02	1.05	22.85
6/27/2024	35	92643458	3.5	41	44.5	1.12	23.15	1.22	24.06
7/31/2024	34	95838119	2.9	41	43.9	1.09	24.24	1.17	25.24
8/28/2024	28	96155289	4.0	92	96.0	0.24	24.48	0.25	25.49
9/24/2024	27	98696433	3.8	51	54.8	1.08	25.56	1.16	26.65
10/24/2024	30	101516636	4.0	92	96.0	2.17	27.73	2.26	28.91
11/14/2024	21	103490078	3.5	43	46.5	0.71	28.44	0.77	29.68
12/18/2024	55	106684175	4.4	52	56.4	2.24	29.97	1.50	30.41
1/29/2025	42	106715829	3.8	47	50.8	1.27	29.70	0.01	30.43

Notes

PCE = Tetrachloroethylene

TCE = Trichloroethylene

lbs = pounds

µg/L = micrograms per cubic liter

Total Flow based on flow meter readings using average flow values due to incorrect meter readings during certain months

Table 1a: OMP Groundwater Extraction and Treatment System - EW-06

Summary of VOC Mass Removal

Lawrence Aviation Industries - NYSDEC Site # 152016

100 Sheep Pasture Road, Port Jefferson, NY

Sample Date	Period (Number of days between samples)	Total Flow (Gallons)	Influent PCE Concentration (µg/L)	Influent TCE Concentration (µg/L)	Total CVOC Concentration (µg/L)	Total TCE Mass Removed (lbs/month)	Cumulative TCE (since September 2022)	Total Mass Removed (lbs/month)	Cumulative mass removed (since September 2022)
8/11/2022	--	21009801	7.7	338	345.7	--	--	--	--
9/15/2022	35	24085275	7.7	316	323.7	8.11	8.11	8.31	8.31
11/15/2023	426	59584367	5.1	190	195.1	56.29	64.40	57.80	66.11
1/25/2024	71	65213973	7.4	370	377.4	17.38	81.78	17.73	83.84
2/20/2024	26	67590099	5.4	190	195.4	3.77	85.55	3.87	87.71
4/25/2024	65	73530415	5.8	200	205.8	9.91	95.46	10.20	97.92
5/23/2024	28	76246277	4.6	150	154.6	3.40	98.86	3.50	97.92
6/27/2024	35	79614735	4.9	170	174.9	4.78	103.64	4.92	102.83
7/31/2024	34	82903399	4.5	180	184.5	4.94	108.58	5.06	107.90
8/28/2024	28	83230205	7.0	380	387.0	1.04	109.62	1.06	108.95
9/24/2024	27	85835177	5.8	190	195.8	4.13	113.75	4.26	113.21
10/24/2024	30	88725648	5.4	180	185.4	4.34	118.09	4.47	117.68
11/14/2024	21	90748978	5.0	180	185.0	3.04	121.13	3.12	120.80
12/18/2024	55	94024845	6.1	210	216.1	9.29	127.38	5.91	123.59
1/29/2025	42	98048176	5.3	180	185.3	10.96	132.10	6.22	129.81

Notes

PCE = Tetrachloroethylene

TCE = Trichloroethylene

lbs = pounds

µg/L = micrograms per cubic liter

Total Flow based on flow meter readings using average flow values due to incorrect meter readings during certain months

Table 2. LAI Treatment System Influent Analytical Results
Former Lawrence Aviation Site #152016
Sheep Pasture Road, Port Jefferson, NY
DEC1027.OM

ID:	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01	LAI-EW01
Sample ID:	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1	LAI-EW-1
Date Collected:	09/22/2021	11/09/2021	01/19/2022	04/25/2023	11/15/2023	01/26/2024	02/20/2024	03/28/2024	04/25/2024	05/23/2024	06/27/2024	07/31/2024	08/28/2024	09/24/2024	10/24/2024	11/14/2024	12/18/2024	01/29/2025
Lab Report Number:	J56298-1	J247009	70201218	23D2812	23K2369	24A2622	24B2327	24C3437	24D3287	24E3401	24F4123	24H0086	24H4103	24I3441	24J4054	24K1179	24L1377	25A1596
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (VOCs) (µg/l)																		
1,1,1-Trichloroethane	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00 U	< 1.00 U	< 1.00	< 1.00
1,1-Dichloroethane	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00 U	< 1.00 U	< 1.00	< 1.00
Chloroform	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 4.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 4.00 U	< 2.00 U	< 2.00	< 2.00
cis-1,2-Dichloroethene	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 2.00 U	< 1.00 U	< 1.00	< 1.00
Tetrachloroethene	**2.1**	**2.8**	**2.10**	**2.10**	**2.70**	**5.80**	**2.30**	**3.10**	**2.6**	**2.40**	**3.10**	**3.80**	**4.00**	**2.90**	**4.50 D**	**2.40**	**7.90**	**3.1**
Trichloroethene	**64**	**72**	**73.3**	**74.0**	**99.0**	**190**	**83.0**	**97.0**	**29.00**	**78.00**	**98.00**	**130.00**	**140**	**88**	**140 D**	**75.0**	**210 D**	**96**
Semivolatile Organic Compounds (SVOCs) (µg/l)																		
1,4-Dioxane	NA	NA	NA	**0.28**	< 0.190	**0.20**	< 0.190	**0.100 J**	**0.210**	< 0.20	< 0.20	< 0.19	< 0.19	< 0.19	< 0.190 U	< 0.190 U	< 0.19	< 0.19
Total Metals (µg/l)																		
Aluminum	**1100**	**1270**	NA	**1500**	**1500**	**3200**	**1400**	**1900**	**1600**	**150**	**2400**	**3000**	**3500**	**2000**	**3800**	**2200**	**4200**	**2530**
Chromium	**22**	**22.7**	**20.3**	**19.0**	**22.0**	**23.0**	**19.0**	**17.0**	**17.0**	**17**	**15**	**15**	**22**	**18**	**18.0**	**17.0**	**17.0**	**18.1**
Iron	**110**	< 50.0	NA	< 50.0	NA	NA	NA	< 50.0	NA	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0 U	< 50.0 U	NA	< 50.0
Lead	**0.14**	**8.2**	<5.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 U	< 10.0 U	< 10.0	< 10.0
Manganese	**1.5**	< 10.0	NA	< 10.0	NA	NA	NA	< 10.0	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 U	< 10.0 U	NA	< 10.0
Nickel	**6.8**	**7.6**	**20.6 J**	< 10.0	NA	NA	NA	**13.0**	NA	**14**	**20**	**40**	**24**	**17**	**21.0**	**11.0**	NA	<25.0
Zinc	NA	NA	NA	**21.0**	**24.0**	**210**	**71.0**	**87.0**	**110.0**	NA	NA	NA	NA	NA	NA	NA	**150**	NA
GenChem																		
Alkalinity, Bicarbonate (As CaCO3)	NA	**37.9**	NA	NA	NA	NA	NA	**64000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	NA	NA	NA	NA	NA	NA	NA	< 300 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Kjeldahl, Total	NA	NA	NA	NA	NA	NA	NA	< 1000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	NA	**7.2**	**6.5**	**6.30**	**6.30**	**6.30**	**6.40**	**6.50**	NA	**6.40**	**6.30**	**6.30**	**6.30**	**6.20**	**6.50**	**6.30**	**6.40**	**6.3**
Total Dissolved Solids	NA	NA	NA	NA	NA	NA	NA	**160000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	< 10000	NA	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	**22000**	**3000**	NA	NA	NA	< 10000
TOC (µg/l)																		
Total Organic Carbon	NA	NA	NA	NA	NA	NA	NA	**1100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions (µg/l)																		
Chloride	NA	NA	NA	NA	NA	NA	NA	**15000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride	NA	**9920**	**6000**	NA	NA	NA	NA	**9200 D**	**7800 D**	**7100**	**10000**	**1300**	**14000 D**	**8800**	**14000 D**	**9400 D**	**15000 D**	**10000**
Sulfate	NA	NA	NA	NA	NA	NA	NA	**25000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PFAS Compounds (ng/l)																		
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	**2.00**	**1.60**	< 0.960	< 0.960	**1.40**	**1.30**	**1.50**	**1.00**	**1.20**	**1.30**	**1.50**	< 1.50 U	< 1.60 U	< 1.60	< 1.6
Perfluorobutanoic acid (PFBA)	NA	NA	NA	**4.20**	**4.70**	< 3.80	< 3.80	**3.30 J**	< 4.20	< 4.00	< 3.90	< 3.80 U	<0.990 U	< 4.00 U	**7.80**	**8.30**	**6.50**	<6.5
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	**2.00**	**2.00**	**1.30**	**1.30**	**1.80**	**1.80**	**1.70**	**1.80**	**1.90**	**1.80**	**1.90**	**1.50**	**1.80**	**1.70**	**1.7**
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	**9.60**	**11.0**	**4.50**	**4.50**	**7.10**	**7.40**	**6.70**	**8.00**	**5.80**	**5.40**	**6.10**	**3.90**	**6.70**	**5.70**	**5.2**
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	**4.30**	**5.00**	**1.80**	**1.80**	**3.30**	**3.40**	**3.40**	**3.20**	**2.80**	**2.60**	**3.80**	**2.10**	**3.40**	**2.70**	**3.2**
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	< 0.930	< 0.930	< 0.960	< 0.960	< 0.960	< 1.00	< 0.930	--	--	--	< 0.990 U	< 1.50 U	< 1.60 U	< 1.60	< 1.60
Perfluorononanoic acid (PFNA)	NA	NA	NA	< 0.930	< 0.930	< 0.960	< 0.960	< 0.960	< 1.00	< 1.00	< 0.98	< 0.96	<0.990 U	< 0.990 U	< 1.50 U	< 1.60 U	< 1.60	< 1.60
Perfluorooctane Sulfonamide (PFOSA)	NA	NA	NA	< 0.930	< 0.930	< 0.960	< 0.960	< 0.960	< 1.00	< 1.00	< 0.98	< 0.96	<0.990 U	< 0.990 U	< 1.50 U	< 1.60 U	< 1.60	< 1.60
Perfluorooctanesulfonic acid (PFOS)	NA	NA	NA	**2.00**	**1.90**	**2.00**	**2.00**	**2.20**	**2.20**	**2.30**	**3.10**	**2.70**	**3.30**	**3.10**	**3.10**	**2.70**	**3.90**	**2.6**
Perfluorooctanoic acid (PFOA)	NA	NA	NA	**4.80**	**5.50**	**4.80**	**4.80**	**10.0**	**8.00**	**5.90**	**5.60**	**6.90**	**6.10**	**5.10**	**7.10**	**6.30**	**8.60**	**5.3**
Perfluoropentane sulfonate (PFPeS)	NA	NA	NA	< 0.930	**1.00**	< 0.960	< 0.960	**0.780 J**	< 1.00	< 1.00	< 0.98	< 0.960 U	<0.990 U	< 0.990 U	< 1.50 U	< 1.60 U	< 1.60	< 1.6
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	**3.60**	**3.20**	< 1.90	< 1.90	**2.50**	**2.40**	**2.10**	**2.30**	**2.40**	<2.00 U	**2.90**	< 3.00 U	< 3.20 U	< 3.20	<3.2

Legend:
<1 = Parameter not detected above the laboratory reporting limit
1 = Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion
BDL = below detection limit
NA = Not analyzed
NE = No criteria established
µg/L = micrograms per liter
ng/L = nanogram per liter
* = TOGS 111 Class GA effluent limitations and/or TOGS 111 Tables 1 and 5, where discharge permit limits are not specified

Table 2. LAI Treatment System Influent Analytical Results
Former Lawrence Aviation Site #152016
Sheep Pasture Road, Port Jefferson, NY
DEC1027.OM

ID:	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02	LAI-EW02
Sample ID:	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2	LAI-EW-2
Date Collected:	11/09/2021	01/19/2022	04/25/2023	11/15/2023	01/26/2024	02/20/2024	03/28/2024	04/25/2024	05/23/2024	06/27/2024	07/31/2024	08/28/2024	09/24/2024	10/24/2024	11/14/2024	12/18/2024	01/29/2025
Lab Report Number:	J247009	70201218	23D2812	23K2369	24A4622	24B2328	24C3437	24D3287	24E3401	24F4123	24H0086	24H4103	24I3441	24J4054	24K1179	24L1377	25A1596
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (VOCs) (µg/l)																	
1,1,1-Trichloroethane	< 1.00 U	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00	< 1.0
1,1-Dichloroethane	< 1.00 U	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00	< 1.0
Chloroform	< 1.00 U	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	**0.350 J**	< 2.00	< 1.23	< 2.00	< 2.00	< 2.00	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00	< 2.0
cis-1,2-Dichloroethene	< 1.00 U	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00	< 1.0
Tetrachloroethene	**1.6**	**1.50**	**1.80**	**3.00**	**3.60**	**2.70**	**3.20**	**2.60**	**2.20**	**1.60**	**1.50**	**1.30**	**1.60**	**1.40**	**1.50**	**2.80**	**2.3**
Trichloroethene	**21**	**25.7**	**28.0**	**32.0**	**36.0**	**30.0**	**41.0**	**29.0**	**24**	**22**	**23**	**22**	**22.0**	**25.0**	**22.0**	**46**	**35**
Semivolatile Organic Compounds (SVOCs) (µg/l)																	
1,4-Dioxane	NA	NA	**0.27**	< 0.190	**0.19**	< 0.19	**0.0690 J**	< 0.190	< 0.190	< 0.190	< 0.190 U	< 0.190 U	< 0.190 U	< 0.190 U	< 0.200 U	< 0.190	< 0.19
Total Metals (µg/l)																	
Aluminum	**228**	NA	**150**	**150**	**190**	**160**	**210**	**1600**	**1600**	**220**	**200**	**200**	**240**	**230**	**210**	**180**	**178**
Chromium	**10.4**	**10.3**	**12.0**	**12.0**	**10.0**	**11.0**	**11.0**	**10.0**	**10.0**	< 10.0	< 10.0 U	< 10.0 U	< 10.0	< 10.0 U	< 10.0 U	< 10.0	< 10.0
Iron	< 150	NA	< 50.0	NA	NA	NA	< 50.0	NA	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0 U	< 50.0 U	NA	NA
Lead	**8.5**	**5.7**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**150**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 U	< 10.0 U	< 10.0	< 10.0
Manganese	< 15.0	NA	< 10.0	NA	NA	NA	< 10.0	NA	< 10.0	< 10.0	< 10.0 U	< 10.0 U	< 10.0	< 10.0 U	< 10.0 U	NA	< 10.0
Nickel	**14.4**	**15.9 J**	< 10.0	NA	NA	NA	**3.10 J**	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 U	< 10.0 U	NA	<25.0
Zinc	NA	NA	**16.0**	**160 B**	**110**	**33.0**	**83.0**	**31.0**	NA	NA	NA	NA	NA	NA	NA	**510**	NA
GenChem																	
Alkalinity, Bicarbonate (As CaCO3)	**22.3**	NA	NA	NA	NA	NA	**37000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	NA	NA	NA	NA	NA	NA	< 300 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Kjeldahl, Total	NA	NA	NA	NA	NA	NA	< 1000 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	**7.20**	**6.40**	**6.20**	**6.10**	**6.20**	**6.20**	**6.30**	**6.10**	**6.80**	**6.30**	**6.10**	**6.10**	**6.00**	**6.30**	**6.30**	**6.20**	**6.00**
Total Dissolved Solids	NA	NA	NA	NA	NA	NA	**160000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	**10000**	**10000**	**3200**	**10000**	NA	NA	NA
TOC (µg/l)																	
Total Organic Carbon	NA	NA	NA	NA	NA	NA	**960 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions (µg/l)																	
Chloride	NA	NA	NA	NA	NA	NA	**22000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride	**1320**	**1200**	NA	NA	NA	NA	**2200**	**2000**	**1700**	**2100**	**2000**	**2000**	**1700**	**1800**	**1700**	**1700**	**1600**
Sulfate	NA	NA	NA	NA	NA	NA	**24000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PFAS Compounds (ng/l)																	
Perfluorobutanesulfonic acid (PFBS)	NA	NA	**1.70**	**2.90**	**3.00**	**2.70**	**3.10**	**3.20**	**2.60**	**2.80**	**3.40**	**3.70**	**3.70**	**3.20**	**2.80**	**2.50**	**2.7**
Perfluorobutanoic acid (PFBA)	NA	NA	**4.30**	**5.30**	**4.00**	**3.70**	**3.50 J**	< 4.00	**3.80**	**3.90**	**4.40**	**4.40**	**4.50**	< 5.70 U	**9.80**	< 5.80	<6.2
Perfluoroheptanoic acid (PFHpA)	NA	NA	**2.10**	**2.40**	**2.40**	**2.00**	**2.30**	**2.40**	**2.20**	**2.40**	**3.00**	**2.70**	**2.80**	**2.30**	**2.60**	**2.20**	**2.4**
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	**13.0**	**10.0**	**13.0**	**10.0**	**12.0**	**16.0**	**3.80**	**30.00**	**41.00**	**32.0**	**28.0**	**33.0**	**25.0**	**40.0**	**21**
Perfluorohexanoic acid (PFHxA)	NA	NA	**4.50**	**5.80**	**5.50**	**4.50**	**5.60**	**5.50**	**4.80**	**5.70**	**6.80**	**6.30**	**6.80**	**6.60**	**6.40**	**4.90**	**5.7**
Perfluorononane sulfonic acid (PFNS)	NA	NA	< 0.930	< 0.930	< 0.950	< 0.920	< 1.00 U	< 1.00	--	--	--	--	< 0.930 U	< 1.40 U	< 1.60 U	< 1.50	< 1.50
Perfluorononanoic acid (PFNA)	NA	NA	< 0.930	< 0.930	< 0.950	< 0.920	< 1.00 U	< 1.00	< 1.00	< 0.96	< 0.94	<0.98	< 0.930 U	< 1.40 U	< 1.60 U	< 1.50	< 1.50
Perfluorooctane Sulfonamide (PFOSA)	NA	NA	< 0.930	< 0.930	< 0.950	< 0.920	< 1.00 U	< 1.00	< 1.01	< 0.96	< 0.94	<0.98	< 0.930 U	< 1.40 U	< 1.60 U	< 1.50	< 1.50
Perfluorooctanesulfonic acid (PFOS)	NA	NA	**2.50**	**2.60**	**1.80**	**2.40**	**2.80**	**3.30**	**3.30**	**5.20**	**4.30**	**3.90**	**6.40**	**3.60**	**5.00**	**4.00**	**3.8**
Perfluorooctanoic acid (PFOA)	NA	NA	**4.70**	**5.10**	**4.90**	**4.00**	**5.00**	**4.60**	**5.10**	**5.10**	**5.80**	**6.20**	**6.10**	**7.50**	**7.20**	**7.20**	**5.9**
Perfluoropentane sulfonate (PFPeS)	NA	NA	**1.10**	< 0.930	< 0.950	< 0.920	**0.890 J**	< 1.00	< 1.00	**1.20**	**1.90**	**1.70**	**1.10**	**1.50**	< 1.60 U	**< 1.5**	<1.6
Perfluoropentanoic acid (PFPeA)	NA	NA	**3.50**	**4.50**	**4.70**	**3.90**	**5.00**	**4.40**	**3.80**	**4.70**	**5.50**	**6.10**	**5.30**	**5.30**	**6.80**	**3.80**	**4.9**

Legend:
<1 = Parameter not detected above the laboratory reporting limit
1 = Parameter reported above the laboratory reporting limit but below the applicable regulator
BDL = below detection limit
NA = Not analyzed
NE = No criteria established
µg/L = micrograms per liter
ng/L = nanogram per liter
* = TOGS 111 Class GA effluent limitations and/or TOGS 111 Tables 1 and 5, wher

Table 2. LAI Treatment System Influent Analytical Results
Former Lawrence Aviation Site #152016
Sheep Pasture Road, Port Jefferson, NY
DEC1027.OM

ID:	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03	LAI-EW03
Sample ID:	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3	LAI-EW-3
Date Collected:	09/01/2021	09/22/2021	11/09/2021	04/25/2023	11/15/2023	01/25/2024	2/20/2024	03/28/2024	04/25/2024	05/23/2024	06/27/2024	07/31/2024	08/28/2024	09/24/2024	10/24/2024	11/07/2024	11/14/2024	12/18/2024	01/29/2025
Lab Report Number:	2108039	J56298-1	J247009	23D2812	23K2369	24A2622	24B2328	24C3437	24D3287	24E3522	24F4123	24H0086				24K0706	24K1179	24L1377	25A1596
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (VOCs) (µg/l)																			
1,1,1-Trichloroethane	< 1.00	< 1.00	< 1.00	< 2.00	< 2.00	< 2.00	< 1.00	< 2.00 U	< 2.00	< 1.00	< 1.00	< 1.00	--	--	--	< 5.00 U	< 1.00 U	< 5.00	< 1.0
1,1-Dichloroethane	< 1.00	< 1.00	< 1.00	< 2.00	< 2.00	< 2.00	< 1.00	< 2.00 U	< 2.00	< 1.00	< 1.00	< 1.00	--	--	--	< 5.00 U	< 1.00 U	< 5.00	< 1.0
Chloroform	< 2.00	< 2.00	< 2.00	< 4.00	< 4.00	< 4.00	< 2.00	< 4.00 U	< 4.00	< 2.00	< 2.00	< 2.00	--	--	--	< 10.0 U	< 2.00 U	< 10.0	< 2.0
cis-1,2-Dichloroethene	< 1.00	< 1.00	< 1.00	< 2.00	< 2.00	< 2.00	< 1.00	< 2.00 U	< 2.00	< 1.00	< 1.00	< 1.00	--	--	--	< 5.00 U	< 1.00 U	< 5.00	< 1.0
Tetrachloroethene	**5.2**	**3.4**	**2.6**	**2.70 D**	**2.50 D**	**6.00**	**2.50**	**4.10 D**	**3.10 D**	**2.61**	**4.30**	**5.00**	--	--	--	**8.40 D**	**5.10**	**13.0**	**3.4**
Trichloroethene	**247**	**150**	**91**	**140 D**	**110 D**	**250**	**110**	**170 D**	**130 D**	**97.0**	**170.0**	**190 D**	--	--	--	**300 D**	**240 D**	**450**	**140**
Semivolatile Organic Compounds (SVOCs) (µg/l)																			
1,4-Dioxane	NA	NA	NA	< 0.200	< 0.190	< 0.190	< 0.190	**0.0950 J**	< 0.190	< 0.190	< 0.20	< 0.190	--	--	--	< 0.190 U	< 0.190 U	< 0.190	< 0.19
Total Metals (µg/l)																			
Aluminum	**3670**	**2700**	**1,330**	**2500**	< 50.0	**4800**	**1500**	**2400**	**1700**	**1500**	**3600**	**2500**	--	--	--	**2100**	**2500**	**180**	**2108**
Chromium	**18.1**	**19**	**21.1**	**22.0**	< 10.0	**22.0**	**20.0**	**19.0**	**20.0**	**20.0**	**17.0**	**18.0**	--	--	--	**30.0**	**22.0**	< 10.0	**30.8**
Iron	**181**	< 50.0	<150	< 50.0	NA	NA	NA	< 50.0	NA	< 50.0	< 50.0	< 50.0	--	--	--	< 50.0 U	< 50.0 U	NA	< 50.0 U
Lead	<8.00	**4**	**21.7**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	--	--	--	< 10.0 U	< 10.0 U	< 10.0	< 10.0 U
Manganese	**86.1**	**2.7**	<15	< 10.0	NA	NA	NA	< 10.0	NA	< 10.0	< 10.0	< 10.0	--	--	--	< 10.0 U	< 10.0 U	NA	< 10.0 U
Nickel	<20.0	**4.3**	<40	< 10.0	NA	NA	NA	**7.60 J**	NA	< 10.0	**15.00**	**31.00**	--	--	--	**13.0**	**26.0**	NA	**13.8**
Zinc	**80.4**	**8.7**	NA	**13.0**	< 10.0	**25.0**	**19.0**	**16.0**	**17.0**	NA	NA	NA	--	--	--	NA	NA	**54**	NA
GenChem																			
Alkalinity, Bicarbonate (As CaCO3)	NA	NA	**23.8**	NA	NA	NA	NA	**29000**	NA	NA	NA	NA	--	--	--	NA	NA	NA	NA
Ammonia	NA	NA	NA	NA	NA	NA	NA	< 300 U	NA	NA	NA	NA	--	--	--	NA	NA	NA	NA
Nitrogen, Kjeldahl, Total	NA	NA	NA	NA	NA	NA	NA	< 1000 U	NA	NA	NA	NA	--	--	--	NA	NA	NA	NA
pH	NA	NA	**7.1**	**6.30**	**6.20**	**6.20**	**6.30**	**6.40**	**6.20**	**6.30**	**11.00**	**6.10**	--	--	--	**6.10**	**6.10**	**6.20**	**14.10**
Total Dissolved Solids	NA	NA	**216000**	NA	NA	NA	NA	**150000**	NA	NA	NA	NA	--	--	--	NA	NA	NA	NA
Total Suspended Solids	NA	NA	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	--	--	--	NA	NA	NA	NA
TOC (µg/l)																			
Total Organic Carbon	NA	NA	**1,100**	NA	NA	NA	NA	**1100**	NA	NA	NA	NA	--	--	--	NA	NA	NA	NA
Anions (µg/l)																			
Chloride	NA	NA	NA	NA	NA	NA	NA	**16000**	NA	NA	NA	NA	--	--	--	NA	NA	NA	NA
Fluoride	NA	NA	**1320**	NA	NA	NA	NA	**9700 D**	**1500**	**1700**	**1100**	**8900 D**	--	--	--	**8100 D**	**10000 D**	**12900 D**	**8108 D**
Sulfate	NA	NA	NA	NA	NA	NA	NA	**27000**	NA	NA	NA	NA	--	--	--	NA	NA	NA	NA
PFAS Compounds (ng/l)																			
Perfluorobutanesulfonic acid (PFBS)	NA	NA	NA	**1.80**	**2.40**	**1.30**	**1.30**	**1.60**	**1.70**	**1.2**	< 0.95	**1.10**	--	--	--	< 1.70 U	< 1.50 U	< 1.60	< 1.6
Perfluorobutanoic acid (PFBA)	NA	NA	NA	**4.20**	**5.00**	< 4.00	< 3.70	**3.30 J**	< 4.10	< 4.10	< 3.80	**4.20**	--	--	--	**9.30**	**8.40**	**9.40**	<6.2
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	**2.00**	**2.60**	**1.90**	**2.00**	**2.10**	**2.10**	**1.6**	**1.4**	**1.80**	--	--	--	< 1.70 U	< 1.50 U	**1.80**	**1.6**
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	NA	**10.0**	**13.0**	**12.0**	**11.0**	**11.0**	**11.0**	**8.7**	**8.9**	**6.80**	--	--	--	**6.50**	**8.50**	**10.00**	**8.7**
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	**4.20**	**5.30**	**3.10**	**3.90**	**4.00**	**4.10**	**3.4**	**2.5**	**2.80**	--	--	--	**2.40**	**2.70**	**2.40**	**2.9**
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	< 0.890	< 0.940	< 0.990	< 0.920	< 1.00 U	< 1.00	--	--	--	--	--	--	< 1.70 U	< 1.50 U	< 1.60	< 1.60
Perfluorononanoic acid (PFNA)	NA	NA	NA	< 0.890	< 0.940	< 0.990	< 0.920	**0.230 J**	< 1.00	< 1.00	< 0.95	< 0.990	--	--	--	< 1.70 U	< 1.50 U	< 1.60	< 1.60
Perfluorooctane Sulfonamide (PFOSA)	NA	NA	NA	< 0.890	< 0.940	< 0.990	< 0.920	**0.380 J**	< 1.00	< 1.00	< 0.95	< 0.990	--	--	--	< 1.70 U	< 1.50 U	< 1.60	< 1.60
Perfluorooctanesulfonic acid (PFOS)	NA	NA	NA	**1.90**	**2.40**	**2.50**	**2.40**	**3.10**	**2.80**	**2.7**	**6.1**	**6.60**	--	--	--	**3.70**	**2.70**	< 2.90	**2.4**
Perfluorooctanoic acid (PFOA)	NA	NA	NA	**4.40**	**5.40**	**4.70**	**5.10**	**5.00**	**4.80**	**4.6**	**3.7**	**5.10**	--	--	--	**7.60**	**4.70**	**7.90**	**4.6**
Perfluoropentane sulfonate (PFPeS)	NA	NA	NA	**1.10**	**1.10**	< 0.990	**1.00**	**1.10**	**1.10**	< 1.0	< 0.95	< 0.990 U	--	--	--	< 1.70 U	< 1.50 U	< 1.60	<1.6
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	**3.40**	**3.50**	**2.40**	**3.20**	**3.10**	**3.20**	**2.1**	< 1.9	< 2.00 U	--	--	--	< 3.40 U	< 3.10 U	< 3.20	<3.1

Legend:
<1 = Parameter not detected above the laboratory reporting limit
1 = Parameter reported above the laboratory reporting limit but below the applicable regulator
BDL = below detection limit
NA = Not analyzed
NE = No criteria established
µg/L = micrograms per liter
ng/L = nanogram per liter
* = TOGS 111 Class GA effluent limitations and/or TOGS 111 Tables 1 and 5, wher

Table 2. LAI Treatment System Effluent Analytical Results
Former Lawrence Aviation Site #152016
Sheep Pasture Road, Port Jefferson, NY
DEC1027.OM

ID:		LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF	LAI-EFF
Sample ID:		LAI-Effluent	LAI-Effluent	LAI-Effluent	LAI-EFF	LAI-Effluent	LAI-Effluent	LAI-Effluent	LAI-Effluent	LAI-Effluent	LAI-Effluent	LAI-Effluent	LAI-Effluent	LAI-Effluent	LAI-Effluent	LAI-EFFLUENT	LAI- Effluent	LAI- Effluent	LAI- Effluent
Date Collected:		11/09/2021	01/19/2022	04/25/2023	08/14/2023	11/15/2023	01/26/2024	02/20/2024	03/28/2024	04/25/2024	05/23/2024	06/27/2024	07/31/2024	08/28/2024	09/24/2024	10/24/2024	11/14/2024	12/18/2024	01/29/2025
Lab Report Number:		J247009	70201218	23D2812	23H2311	23K2369	24A2622	24B2328	24C3437	24D3287	24E3401	24F4123	24H0086	24H4103	24I3441	24J4054	24K1179	24L1377	25A1596
Sample Type:		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Volatile Organic Compounds (VOCs) (µg/l)																			
1,1,1-Trichloroethane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00	< 1.00
1,1-Dichloroethane	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00	< 1.00
cis-1,2-Dichloroethene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00	< 1.00
Tetrachloroethene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00	< 1.00
Trichloroethene	5	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00 U	< 1.00	< 1.00	< 1.00	**1.50**	< 1.00	< 1.00	< 1.00	**4.10**	**7.80**	**22**
Semivolatile Organic Compounds (SVOCs) (µg/l)																			
1,4-Dioxane	0.35*	NA	NA	**0.23**	< 0.19	< 0.19	< 0.19	< 0.20	**0.100 J**	< 0.19	< 0.20	< 0.19	< 0.19 U	< 0.19 U	< 0.190 U	< 0.190 U	< 0.190 U	< 0.190	< 0.19
Metals (µg/l)																			
Aluminum	2000	**955**	**327**	**1400**	**1800**	**1100**	**2400**	**1200**	**1600**	**1200**	**1200**	**2000**	**1700**	**2100**	**1300**	**4100**	**1900**	**2600**	**1670**
Chromium	100*	**16.2**	NA	**19**	**12.0**	**18.0**	**420**	**18.0**	**27.0**	**18.0**	**17.0**	**14.0**	**24.0**	< 10.0	**14.0**	**27.0**	**14.0**	**27.0**	**16.4**
Iron	600*	**259**	<100	< 50.0	< 50.0	NA	NA	NA	< 50.0	NA	< 50.0	< 50.0	< 50.0	< 50.0	**760**	< 50.0 U	< 50.0 U	NA	<50.0
Lead	50*	**9.3**	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 U	< 10.0 U	< 10.0	< 10.0
Manganese	600*	**20.3**	<10.0	< 10.0	**16**	NA	NA	NA	< 10.0	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 U	< 10.0 U	NA	< 10.0
Nickel	200*	**5.1**	NA	< 10.0	< 10.0	NA	NA	NA	**7.00 J**	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 U	< 10.0 U	NA	<25.0
Zinc	5000*	NA	NA	< 10.0	< 10.0	**41.0**	**48.0**	**14.0**	**22.0**	**110**	NA	NA	NA	NA	NA	NA	NA	**26**	NA
Anions (µg/l)																			
Chloride	250000*	NA	NA	NA	NA	NA	NA	NA	**17000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride	3000	**4.44**	**2.8**	NA	NA	NA	NA	NA	**7200 D**	**1200**	**5600**	**8400**	**7400 D**	**8900 D**	**6100 D**	**11000 D**	**7500 D**	**8400 D**	**7300**
Sulfate	500000*	NA	NA	NA	NA	NA	NA	NA	**25000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GenChem (µg/l)																			
Alkalinity, Bicarbonate (As CaCO3)	NE	**23.8**	NA	NA	NA	NA	NA	NA	**47000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	NE	NA	NA	NA	NA	NA	NA	NA	< 300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Kjeldahl, Total	NE	NA	NA	NA	NA	NA	NA	NA	< 1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	5.1 - 8.5	**7.7**	**6.9**	**6.40**	**6.10**	**6.20**	**6.20**	**6.30**	**6.30**	**6.30**	**6.50**	**6.20**	**6.10**	**6.10**	**6.20**	**6.40**	**6.30**	**6.10**	**6.3**
Total Dissolved Solids	NE	NA	NA	NA	NA	NA	NA	NA	**150000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NE	NA	NA	NA	NA	NA	NA	NA	< 5400	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	NA	NA	NA	NA
PFAS Compounds (ng/l)																			
Perfluorobutanesulfonic acid (PFBS)	NE	NA	NA	**0.95**	< 0.960	**1.60**	**0.92**	**1.40**	**1.60**	**1.70**	**1.30**	**1.40**	**1.50**	**1.40**	**1.60**	< 1.50 U	< 1.60 U	< 1.50	< 1.5
Perfluorobutanoic acid (PFBA)	NE	NA	NA	**4.00**	< 3.80	**4.90**	**4.30**	< 3.70	**4.60**	< 4.00	< 3.80	< 3.80	**4.10**	**4.30**	**4.10**	**6.40**	**9.20**	**6.80**	<5.9
Perfluoroheptanoic acid (PFHpA)	NE	NA	NA	**1.30**	< 0.960	**1.50**	**1.20**	**1.50**	**1.60**	**1.60**	**1.50**	**1.40**	**1.60**	**1.40**	**1.60**	**1.80**	**1.90**	**1.80**	**1.6**
Perfluorohexanesulfonic acid (PFHxS)	NE	NA	NA	**4.80**	< 0.960	**5.60**	**5.00**	**6.60**	**6.10**	**7.40**	**6.80**	**9.00**	**9.20**	**7.00**	**8.90**	**11.0**	**10.0**	**12.00**	**8.7**
Perfluorohexanoic acid (PFHxA)	NE	NA	NA	**2.60**	< 0.960	**3.60**	**2.50**	**3.10**	**3.50**	**3.80**	**3.20**	**3.10**	**3.00**	**3.10**	**3.70**	**3.30**	**3.90**	**3.60**	**3.9**
Perfluorooctanesulfonic acid (PFOS)	2.7*	NA	NA	< 0.890	< 0.960	< 0.930	< 0.920	**1.50**	**1.40**	**1.80**	**1.70**	**2.20**	**1.20**	<9.40 U	**2.40**	**2.20**	**2.80**	**2.00**	**2.4**
Perfluorooctanoic acid (PFOA)	6.7*	NA	NA	**2.50**	< 0.960	**3.20**	**2.70**	**3.20**	**3.50**	**3.80**	**3.50**	**3.10**	**3.20**	**3.00**	**3.80**	**5.70**	**5.70**	**6.30**	**4.5**
Perfluoropentane sulfonate (PFPeS)	NE	NA	NA	< 0.890	< 0.960	< 0.930	< 0.920	< 0.910	**0.580 J**	< 0.990	< 0.94	< 0.96	< 0.970 U	<9.40 U	< 0.970 U	< 1.50 U	< 1.60 U	< 1.50	< 1.5
Perfluoropentanoic acid (PFPeA)	NE	NA	NA	**2.80**	< 1.90	**2.90**	**2.30**	**3.10**	**3.10**	**3.20**	**2.60**	**2.80**	**3.00**	**3.00**	**3.50**	**4.10**	**3.30**	**4.20**	<2.9
Total Suspended Solids	NE	NA	NA	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	NA	NA	NA	NA

Legend:

<1 = Parameter not detected above the laboratory reporting limit

1 = Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

BDL = below detection limit

NA = Not analyzed

NE = No criteria established

µg/L = micrograms per liter

ng/L = nanograms per liter

* = TOGS 111 Class GA effluent limitations and/or TOGS 111 Tables 1 and 5, where discharge permit limits are not specified

System activated carbon changeouts:

7/25/2023

Table 3.
Old Mill Pond Treatment Facility Groundwater Influent Analytical Results
Former Lawrence Aviation Site #152016
Sheep Pasture Road, Port Jefferson, NY
DEC1027.OM

ID:	OMP-EW01	OMP-EW01	OMP-EW01	OMP-EW01	OMP-EW01	OMP-EW01	OMP-EW01	OMP-EW01	OMP-EW01	OMP-EW01	OMP-EW01	OMP-EW01	OMP-EW01
Sample ID:	OMP-EW-1	OMP-EW-1	OMP-EW-1	OMP-EW-1	OMP-EW-1	OMP-EW-1	OMP-EW-1	OMP-EW-1	OMP-EW-1	OMP-EW-1	OMP-EW-1	OMP-EW-1	OMP-EW-1
Date Collected:	11/15/2023	01/25/2024	02/20/2024	04/25/2024	05/23/2024	06/27/2024	07/31/2024	08/28/2024	09/24/2024	10/24/2024	11/14/2024	12/18/2024	01/292/2025
Lab Report Number:	23K2366	24A2631	24B2324	24D3288	24E3399	24F4125	24H0085	24H4236	23I3450	24J4056	24K1283	24L1380	25A1595
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter													
Volatile Organic Compounds (VOCs) (ug/l)													
1,1-Dichloroethane	< 1.00	< 1.00	**1.10**	**1.00**	**1.00**	**1.00**	**1.10**	<1.00	<1.00	**1.20**	**1.00**	**1.10**	**1.0**
1,1-Dichloroethene	**1.30**	< 1.00	< 1.00	< 1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	**1.80**	**2.40**	**1.60**	**1.7**	**1.80**	**1.00**	**1.40**	**2.60**	**1.80**	**1.80**	**1.70**	**2.10**	**1.8**
Trichloroethene	**51.0**	**64.0**	**48.0**	**48**	**45.0**	**42.0**	**43.0**	**69.0**	**51.0**	**48.0**	**46.0**	**51**	**47**
Vinyl chloride	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Semivolatile Organic Compounds (SVOCs) (ug/l)													
1,4-Dioxane	**0.38**	**0.61**	**0.72**	**0.78**	**0.670**	**0.610**	**0.700**	**0.560**	**0.700**	**0.780**	**0.770**	**0.73**	**0.85**
Metals (Total) (µg/l)													
Chromium	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Copper	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iron	NA	NA	NA	NA	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
Zinc	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
GenChem (ug/l)													
pH	**6.30**	**6.10**	**6.70**	**6.10**	**6.80**	**6.40**	**6.20**	**6.20**	**6.20**	**6.40**	**6.50**	**6.30**	**6.6**
Total Suspended Solids	NA	NA	NA	NA	< 2500	**10000**	< 10000	< 10000	< 10000	< 10000	NA	NA	NA
PFAS Compounds (ng/l)													
Perfluorobutanesulfonic acid (PFBS)	< 0.910	< 0.930	< 1.00	**1.50**	<1.00	<1.00	< 0.990	**1.00**	< 0.960	<1.00	< 1.60	< 1.50	< 1.6
Perfluorobutanoic acid (PFBA)	< 3.60	< 3.70	< 4.10	< 4.10	< 4.10	< 4.00	< 3.90	< 3.90	< 3.80	< 4.00	< 6.40	< 5.9	<6.4
Perfluoroheptanoic acid (PFHpA)	< 0.910	**1.10**	< 1.00	**1.50**	<1.00	<1.00	< 0.990	**1.20**	< 0.960	<1.00	< 1.60	< 1.50	< 1.6
Perfluorohexanesulfonic acid (PFHxS)	**7.30**	**12.00**	**7.00**	**5.10**	**6.60**	**8.60**	**7.70**	**14.0**	**7.30**	**7.90**	**7.40**	**7.40**	**7.5**
Perfluorohexanoic acid (PFHxA)	**2.80**	**3.10**	**2.60**	**4.90**	**2.50**	**2.50**	**2.80**	**3.80**	**3.00**	**2.90**	**2.60**	**2.60**	**2.5**
Perfluorononanoic acid (PFNA)	< 0.910	< 0.930	< 1.00	< 1.00	<1.00	<1.00	< 0.990	< 0.970	< 0.960	<1.00	< 1.60	< 1.50	<1.6
Perfluorooctane Sulfonamide (PFOSA)	< 0.910	< 0.930	< 1.00	< 1.00	<1.00	<1.00	< 0.990	< 0.970	< 0.960	<1.00	< 1.60	< 1.50	<1.6
Perfluorooctanesulfonic acid (PFOS)	< 0.910	**0.99**	< 1.00	**1.20**	<1.00	**1.10**	**1.20**	**1.10**	**1.00**	**1.10**	< 1.60	< 1.50	<1.6
Perfluorooctanoic acid (PFOA)	**1.90**	**2.10**	**1.70**	**2.80**	**1.90**	**1.80**	**1.70**	**2.30**	**2.00**	**2.00**	**2.00**	**2.10**	**1.9**
Perfluoropentane sulfonate (PFPeS)	< 0.910	< 0.930	< 1.00	< 1.00	<1.00	<1.00	< 0.990	< 0.970	< 0.960	<1.00	< 1.60	< 1.50	<1.6
Perfluoropentanoic acid (PFPeA)	**2.30**	**2.40**	< 2.00	**4.60**	< 2.00	< 2.00	**2.20**	**2.80**	**2.20**	**2.10**	< 3.20	< 3.00	<3.2
Total Suspended Solids	< 10000	< 10000	< 10000	< 10000	< 10000	**10000**	< 10000	< 10000	< 10000	< 10000	NA	NA	NA

Legend:

<1 = Parameter not detected above the laboratory reporting limit
1 = Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion
BDL = below detection limit
NA = Not analyzed
NE = No criteria established
µg/L = micrograms per liter
ng/L = nanogram per liter
* = TOGS 111 Class GA effluent limitations and/or TOGS 111 Tables 1 and 5, where discharge permit limits are not specified
J = Sample result is greater than the MDL but below the CRDL
System activated carbon changeouts:
4/1/2024

Table 3.
Old Mill Pond Treatment Facility Groundwater Influent Analytical Results
Former Lawrence Aviation Site #152016
Sheep Pasture Road, Port Jefferson, NY
DEC1027.OM

ID:	OMP-EW02	OMP-EW02	OMP-EW02	OMP-EW02	OMP-EW02	OMP-EW02	OMP-EW02	OMP-EW02	OMP-EW02	OMP-EW02	OMP-EW02	OMP-EW02	OMP-EW02
Sample ID:	OMP-EW-2	OMP-EW-2	OMP-EW-2	OMP-EW-2	OMP-EW-2	OMP-EW-2	OMP-EW-2	OMP-EW-2	OMP-EW-2	OMP-EW-2	OMP-EW-2	OMP-EW-2	OMP-EW-2
Date Collected:	11/15/2023	01/25/2024	02/20/2024	04/25/2024	05/23/2024	06/27/2024	07/31/2024	08/28/2024	09/24/2024	10/24/2024	11/14/2024	12/18/2024	01/29/2025
Lab Report Number:	23K2366	24A2631	24B2324	24D3288	24E3399	24F4125	24H0085	24H4236	24I3450	24J4056	24K1283	24L1380	25A1595
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter													
Volatile Organic Compounds (VOCs) (ug/l)													
1,1-Dichloroethane	< 1.00	< 1.00	< 1.00	< 1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	< 1.00	< 1.00	< 1.00	< 1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	**4.10**	**4.40**	**3.70**	**4**	**3.70**	**3.50**	**2.90**	**4.00**	**3.80**	**4.00**	**3.50**	**4.40**	**3.8**
Trichloroethene	**50.0**	**67.0**	**45.0**	**47**	**44.0**	**41.0**	**41.0**	**92.0**	**51.0**	**92.0**	**43.0**	**52**	**47**
Vinyl chloride	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Semivolatile Organic Compounds (SVOCs) (ug/l)													
1,4-Dioxane	**0.35**	**0.28**	**0.24**	**0.42**	**0.32**	**0.30**	**0.39**	**0.210**	**0.370**	**0.210**	**0.410**	**0.35**	**0.40**
Metals (Total) (µg/l)													
Chromium	**11.0**	**11.0**	**11.0**	**11**	**11.0**	**12.0**	**11.0**	< 10.0	**11.0**	**12.0**	**12.0**	**12.0**	**12.6**
Copper	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**47.0**	< 10.0
Iron	NA	NA	NA	NA	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
Zinc	**13.0**	**98.0**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
GenChem (ug/l)													
pH	**6.10**	**6.10**	**6.40**	**6.00**	**6.70**	**6.40**	**6.10**	**6.00**	**6.10**	**6.00**	**6.20**	**6.20**	**6.2**
Total Suspended Solids	NA	NA	NA	NA	NA	< 10000	< 10000	< 10000	< 10000	< 10000	NA	NA	NA
PFAS Compounds (ng/l)													
Perfluorobutanesulfonic acid (PFBS)	**1.60**	**1.20**	**1.20**	< 1.00	**1.50**	**1.30**	**1.40**	**1.70**	**1.30**	**1.30**	< 1.60	< 1.50	<1.5
Perfluorobutanoic acid (PFBA)	**4.20**	< 3.70	< 3.70	< 4.10	< 4.30	< 4.10	< 3.80	< 3.90	< 3.90	< 3.90	< 6.40	< 5.90	<6.0
Perfluoroheptanoic acid (PFHpA)	**1.70**	**1.20**	**1.30**	< 1.00	**1.70**	**1.40**	**1.50**	**1.40**	**1.60**	**1.60**	**1.60**	**1.50**	<1.5
Perfluorohexanesulfonic acid (PFHxS)	**5.40**	**7.10**	**4.80**	**6.50**	**4.90**	**5.70**	**5.20**	**11.0**	**5.80**	**5.80**	**6.00**	**5.60**	**5.4**
Perfluorohexanoic acid (PFHxA)	**5.10**	**4.00**	**4.30**	**2.6**	**4.60**	**4.70**	**5.00**	**3.70**	**4.70**	**4.70**	**5.20**	**4.90**	**4.9**
Perfluorononanoic acid (PFNA)	< 0.890	< 0.930	< 0.920	< 1.00	< 1.10	<1.00	< 0.950	< 0.970	< 0.970	< 0.970	< 1.60	< 1.50	<1.5
Perfluorooctane Sulfonamide (PFOSA)	< 0.890	< 0.930	< 0.920	< 1.00	< 1.10	<1.00	< 0.950	< 0.970	< 0.970	< 0.970	< 1.60	< 1.50	<1.5
Perfluorooctanesulfonic acid (PFOS)	**1.30**	**1.20**	**1.20**	**1.1**	< 1.10	**1.30**	**1.20**	**1.80**	**1.30**	**1.30**	< 1.60	< 1.50	<1.5
Perfluorooctanoic acid (PFOA)	**3.10**	**2.60**	**2.50**	**2**	**2.70**	**2.60**	**3.10**	**2.60**	**2.80**	**2.80**	**3.70**	**3.60**	**3.40**
Perfluoropentane sulfonate (PFPeS)	**0.93**	< 0.930	< 0.920	< 1.00	< 1.10	<1.00	< 0.950	**1.00**	< 0.970	< 0.970	< 1.60	< 1.50	<1.5
Perfluoropentanoic acid (PFPeA)	**5.20**	**3.80**	**4.60**	< 2.10	**4.10**	**4.30**	**4.80**	**3.00**	**4.70**	**4.70**	**5.50**	**4.80**	**4.7**
Total Suspended Solids	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	NA	NA	NA

Legend:

<1 = Parameter not detected above the laboratory reporting limit
1 = Parameter reported above the laboratory reporting limit but below
BDL = below detection limit
NA = Not analyzed
NE = No criteria established
µg/L = micrograms per liter
ng/L = nanogram per liter
* = TOGS 111 Class GA effluent limitations and/or TOGS 111 T
J = Sample result is greater than the MDL but below the CRDL
System activated carbon changeouts:
4/1/2024

Table 3.
Old Mill Pond Treatment Facility Groundwater Influent Analytical Results
Former Lawrence Aviation Site #152016
Sheep Pasture Road, Port Jefferson, NY
DEC1027.OM

ID:	OMP-EW06	OMP-EW06	OMP-EW06	OMP-EW06	OMP-EW06	OMP-EW06	OMP-EW06	OMP-EW06	OMP-EW06	OMP-EW06	OMP-EW06	OMP-EW06	OMP-EW06
Sample ID:	OMP-EW-6	OMP-EW-6	OMP-EW-6	OMP-EW-6	OMP-EW-6	OMP-EW-6	OMP-EW-6	OMP-EW-6	OMP-EW-6	OMP-EW-6	OMP-EW-6	OMP-EW-6	OMP-EW-6
Date Collected:	11/15/2023	01/25/2024	2/20/2024	04/25/2024	05/23/2024	06/27/2024	07/31/2024	08/28/2024	09/24/2024	10/24/2024	11/14/2024	12/18/2024	01/29/2025
Lab Report Number:	23K2366	24A2631	24B2324	24D3288	24E3399	24F4125	24H0085	24H4236	23I3450	24J4056	24K1283	24L1380	25A1595
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter													
Volatile Organic Compounds (VOCs) (ug/l)													
1,1-Dichloroethane	< 2.00	< 4.00	< 2.00	< 2.00	< 2.00	<1.00	<1.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene	< 2.00	< 4.00	< 2.00	< 2.00	< 2.00	<1.00	<1.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Tetrachloroethene	**5.10**	**7.40 D**	**5.40 D**	**5.80 D**	**4.60 D**	**4.90**	**4.50**	**7.00 D**	**5.80 D**	**5.40 D**	**5.00 D**	**6.10**	**5.3**
Trichloroethene	**190**	**370 D**	**190 D**	**200 D**	**150 D**	**170**	**180**	**380 D**	**190 D**	**180 D**	**180 D**	**210**	**180**
Vinyl chloride	< 4.00	< 8.00	< 4.00	< 4.00	< 4.00	< 2.00	< 2.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00
Semivolatile Organic Compounds (SVOCs) (ug/l)													
1,4-Dioxane	**0.29**	**0.52**	**0.22**	**0.36**	**0.260**	**0.220**	**0.320**	**0.510**	**0.300**	**0.320**	**0.350**	**0.30**	**0.40**
Metals (Total) (µg/l)													
Chromium	**11.0**	< 10.0	**11.0**	**10.00**	**10.0**	**11.0**	**10.0**	< 10.0	**11.0**	**11.0**	**12.0**	**11.0**	**11.3**
Copper	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**41.0**	< 10.0
Iron	NA	NA	NA	NA	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
Zinc	**64.1**	**64.0**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
GenChem (ug/l)													
pH	**5.90**	**5.80**	**6.10**	**5.80**	**6.10**	**6.10**	**5.90**	**5.80**	**5.90**	**6.20**	**5.90**	**6.20**	**6.20**
Total Suspended Solids	NA	NA	NA	NA	NA	< 10000	< 10000	< 10000	< 10000	< 10000	NA	NA	NA
PFAS Compounds (ng/l)													
Perfluorobutanesulfonic acid (PFBS)	**1.50**	**1.00**	**1.20**	**1.60**	**1.20**	**1.10**	**1.40**	**1.20**	**1.20**	**1.20**	< 1.60	< 1.60	<1.6
Perfluorobutanoic acid (PFBA)	**4.20**	< 3.90	< 3.60	< 3.80	< 3.70	< 4.00	< 3.90	< 3.80	< 3.70	< 3.70	**12.0**	< 6.40	<6.3
Perfluoroheptanoic acid (PFHpA)	**1.70**	**1.80**	**1.80**	**2.60**	**1.80**	**2.10**	**2.10**	**2.10**	**2.10**	**2.10**	**2.20**	**1.90**	**2.2**
Perfluorohexanesulfonic acid (PFHxS)	**7.60**	**6.50**	**7.30**	**8.00**	**6.60**	**8.70**	**7.30**	**5.90**	**7.30**	**7.10**	**7.60**	**7.30**	**6.8**
Perfluorohexanoic acid (PFHxA)	**5.80**	**4.70**	**5.30**	**6.90**	**5.30**	**6.00**	**5.90**	**5.30**	**5.60**	**5.80**	**6.90**	**5.80**	**5.5**
Perfluorononanoic acid (PFNA)	< 0.930	< 0.960	< 0.900	< 0.960	< 0.930	<1.00	< 0.980	< 0.950	< 0.930	< 0.920	< 1.60	< 1.60	<1.6
Perfluorooctane Sulfonamide (PFOSA)	< 0.930	< 0.960	< 0.900	< 0.960	< 0.930	<1.00	< 0.980	< 0.950	< 0.930	< 0.920	< 1.60	< 1.60	<1.6
Perfluorooctanesulfonic acid (PFOS)	**1.40**	**1.90**	**1.30**	**1.60**	**1.30**	**1.90**	**1.40**	**1.90**	**1.50**	**1.50**	< 1.60	< 1.60	<1.6
Perfluorooctanoic acid (PFOA)	**3.50**	**3.90**	**3.30**	**4.30**	**3.50**	**3.60**	**3.50**	**3.90**	**3.60**	**3.70**	**5.00**	**4.40**	**3.6**
Perfluoropentane sulfonate (PFPeS)	**1.1**	< 0.960	< 0.900	**1.00**	< 0.930	<1.00	< 0.980	**1.10**	< 0.930	< 0.920	< 1.60	< 1.60	<1.6
Perfluoropentanoic acid (PFPeA)	**4.30**	**3.70**	**5.40**	**6.00**	**4.70**	**5.10**	**5.50**	**4.50**	**5.40**	**5.00**	**6.00**	**5.20**	**5.4**
Total Suspended Solids	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	**14000000**	< 10000	NA	NA	NA

Legend:

<1 = Parameter not detected above the laboratory reporting limit
1 = Parameter reported above the laboratory reporting limit but below
BDL = below detection limit
NA = Not analyzed
NE = No criteria established
µg/L = micrograms per liter
ng/L = nanogram per liter
* = TOGS 111 Class GA effluent limitations and/or TOGS 111 T
J = Sample result is greater than the MDL but below the CRDL
System activated carbon changeouts:
4/1/2024

Table 3.
Old Mill Pond Treatment Facility Groundwater Effluent Analytical Results
Former Lawrence Aviation Site #152016
Sheep Pasture Road, Port Jefferson, NY
DEC1027.OM

	ID:	OMP-FAC_EFF	OMP-FAC_EFF	OMP-FAC_EFF	OMP-FAC_EFF	OMP-FAC_EFF	OMP-FAC_EFF	OMP-FAC_EFF	OMP-FAC-EFF	OMP-FAC-EFF	OMP-FAC-EFF	OMP-FAC_EFF	OMP-FAC_EFF	OMP-FAC_EFF	OMP-FAC_EFF
	Sample ID:	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent	OMP-Facility Effluent
	Date Collected:	8/14/2023	11/15/2023	01/25/2024	2/20/2024	04/25/2024	05/23/2024	06/27/2024	07/31/2024	08/28/2024	09/24/2024	10/24/2024	11/14/2024	12/18/2024	01/29/2025
	Lab Report Number:	23H2174	23K2366	24A2631	24B2324	24D3288	24E3399	24F4125	24H0085	24H4236	24I3450	24J4056	24K1283	24L1380	25A1595
	Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYDEC Effluent Limits														
Volatile Organic Compounds (VOCs) (ug/l)															
1,1-Dichloroethane	10	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-Dichloroethene	10	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	1	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	10	**1.00**	**1.40**	**1.30**	**1.60**	< 1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl chloride	2	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Semivolatile Organic Compounds (SVOCs) (ug/l)															
1,4-Dioxane	-	**0.41**	**0.51**	**0.42**	**0.45**	**0.55**	**0.420**	**0.470**	**0.490**	**0.33**	**0.460**	**0.430**	**0.500**	**0.47**	**0.53**
GenChem (ug/l)															
pH	6.0 - 9.0	**7.60**	**7.50**	**7.10**	**7.30**	**7.50**	**7.60**	**6.20**	**7.40**	**6.80**	**7.20**	**7.30**	**7.30**	**7.40**	**7.5**
Metals (ug/l)															
Chromium	100*	< 10.0	< 10.0	**14.0**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	**17**	< 10.0	< 10.0	**11.0**	< 10.0	**10.2**
Copper	13.4	< 0.010	NA	NA	NA	NA	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Iron	300	<0.050	NA	NA	NA	NA	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
Zinc	120	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
PFAS Compounds (ng/l)															
Perfluorobutanesulfonic acid (PFBS)	NE	**1.10**	**1.30**	**1.20**	< 0.960	< 0.970	< 0.980	<1.00	< 0.990	< 0.980	**1.00**	< 0.940	< 1.60	< 1.60	< 1.6
Perfluoroheptanoic acid (PFHpA)	NE	**1.20**	**1.70**	**1.30**	**1.40**	< 0.970	**1.00**	<1.00	**1.00**	< 0.980	**1.20**	< 0.940	< 1.60	< 1.60	< 1.6
Perfluorohexanesulfonic acid (PFHxS)	NE	**4.90**	**6.20**	**7.30**	**6.20**	**1.5**	**4.20**	**2.90**	**4.10**	**2.90**	**4.60**	< 0.940	**6.30**	**6.20**	**5.7**
Perfluorohexanoic acid (PFHxA)	NE	**3.90**	**4.90**	**4.20**	**4.20**	**1.6**	**4.00**	**3.10**	**3.90**	**3.40**	**3.90**	< 0.940	**4.20**	**4.20**	**4.4**
Perfluorooctanesulfonic acid (PFOS)	2.7*	**0.97**	**1.2**	< 1.00	< 0.960	< 0.970	< 0.980	<1.00	< 0.990	< 0.980	< 0.960	< 0.940	< 1.60	< 1.60	< 1.6
Perfluorooctanoic acid (PFOA)	6.7*	**2.00**	**3.20**	**2.30**	**2.50**	< 0.970	**2.30**	**1.40**	**1.70**	**1.20**	**2.30**	< 0.940	**3.20**	**3.30**	**2.7**
Perfluoropentanoic acid (PFPeA)	NE	**3.50**	**4.10**	**3.90**	**4.10**	< 1.90	**3.50**	**3.10**	**4.00**	**3.90**	**3.90**	< 1.90	**4.50**	**4.30**	**4.1**
iron	NE	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	< 10000	**3700000**	< 10000	NA	NA	NA

Legend:

<1 = Parameter not detected above the laboratory reporting limit
1 = Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion
BDL = below detection limit
NA = Not analyzed
NE = No criteria established
µg/L = micrograms per liter
ng/L = nanogram per liter
* = TOGS 111 Class GA effluent limitations and/or TOGS 111 Tables 1 and 5, where discharge permit limits are not specified

System activated carbon changeouts:
4/1/2024

Table 3a
Old Mill Pond Treatment System Air Effluent Analytical Results
Former Lawrence Aviation Site
Sheep Pasture Road, Port Jefferson, NY
DEC1027.OM

ID:	OMP-Effluent	OMP-Influent	OMP-Effluent	OMP-Influent	OMP-Effluent	OMP-Influent	OMP-Effluent	OMP-Influent	OMP-Effluent	OMP-Influent	OMP-Effluent	OMP-Influent	OMP-Effluent	OMP-Influent	OMP-Effluent	OMP-Influent	OMP-Effluent
Sample ID:	OMP-Eff	OMP-Inf	OMP-Eff	OMP-Inf	OMP-Eff	OMP-Inf	OMP-Eff	OMP-Inf	OMP-Eff	OMP-Inf	OMP-Eff	OMP-Inf	OMP-Eff	OMP-Inf	OMP-Eff	OMP-Inf	OMP-Eff
Date Collected:	10/2/2023	5/23/2024	5/23/2024	6/27/2024	6/27/2024	7/31/2024	7/31/2024	8/28/2024	8/28/2024	9/24/2024	9/24/2024	10/24/2024	10/24/2024	11/14/2024	11/14/2024	12/18/2024	12/18/2024
Lab Report Number:	24E3407	24E3407	24E3407	24G0099-01	24G0099-01	24H0537-01	24H0537-01	24I0514	24I0514	24I3828	24I3828	L2463452	L2463452	L2463583	L2467583	L2475469	L2475469
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter																	
Volatile Organic Compounds (VOCs) (ug/m^3)																	
1,1,1-Trichloroethane	**4.5**	**3.60**	< 1.10	**3.00**	< 0.55	**0.62**	< 0.10	**2.90 D**	< 0.55	**4.00 D**	**0.68 D**	**4.21**	1.69	**3.51**	**2.83**	**4.90**	**5.84**
1,1,2,2-Tetrachloroethane	<3.4	< 0.20	< 1.40	< 0.69	< 0.69	< 0.10	< 0.10	< 1.40	< 0.69	< 0.69	< 0.70	< 1.17	< 0.29	< 0.28	< 0.27	< 0.10	< 0.10
1,1,2-Trichloroethane	<2.7	< 0.20	< 1.10	< 0.55	< 0.55	< 0.10	< 0.10	< 1.10	< 0.55	< 0.55	< 0.55	< 0.93	< 0.23	< 0.22	< 0.23	< 0.10	< 0.10
1,1,2-Trichlorotrifluoroethane (Freon 113)	<15.0	< 0.80	< 6.10	< 3.1	< 3.1	< 0.40	< 0.40	< 6.10	< 3.10	< 3.11	**0.64 J**	< 3.28	< 0.80	< 0.78	< 0.77	< 0.10	< 0.10
1,1-Dichloroethane	**8.20**	**2.60**	< 0.81	**6.80**	**3.60**	**2.00**	< 0.10	**5.60 D**	**3.90 D**	**7.40 D**	**10.0 D**	**8.58**	**12.20**	**8.01**	**12.1**	**9.39**	**11.60**
1,1-Dichloroethene	**3.10**	**6.50**	< 0.79	**3.00**	**1.40**	**0.80**	**0.74**	**2.30 D**	**1.70 D**	**2.90 D**	**3.80 D**	**3.56**	**4.28**	**2.66**	**4.96**	**3.52**	**4.52**
1,2,4-Trimethylbenzene	<2.50	**0.75**	**0.98**	< 0.49	**2.10**	< 0.10	**0.19**	< 1.50	< 0.74	< 0.49	< 0.74	**1.10**	**1.07**	**1.07**	**1.69**	< 0.10	**1.85**
1,2,4-Trichlorobenzene	<3.70	< 1.50	< 1.50	< 0.74	< 0.74	< 0.10	< 0.10	< 0.98	**6.70 D**	< 0.74	**3.20 D**	< 3.18	< 0.77	< 0.76	< 0.77	< 0.10	< 0.10
1,2-Dibromoethane (EDB) (ethylene dibromide)	<3.80	< 0.95	< 1.50	< 0.77	< 0.77	< 0.10	< 0.10	< 1.50	< 0.77	< 0.77	< 0.77	< 1.31	< 0.32	< 0.32	< 0.32	< 0.10	< 0.10
1,2-Dichlorobenzene	<3.00	< 1.20	< 1.20	< 0.60	< 0.60	< 0.10	< 0.10	< 1.20	< 0.60	< 0.60	< 0.60	< 1.03	< 0.25	< 0.25	< 0.25	< 0.10	< 0.10
1,2-Dichloroethane	<2.00	< 0.81	< 0.81	**6.80**	**3.60**	< 0.10	**2.00**	< 0.81	< 0.40	< 0.40	< 0.40	< 0.69	< 0.17	< 0.17	< 0.17	< 0.10	**0.18**
1,2-Dichloropropane	<2.30	**1.40**	**0.94**	**1.40**	**1.10**	**0.41**	**0.52**	**2.40 D**	**2.50 D**	**2.50 D**	**2.00 D**	< 0.79	**0.77**	< 0.19	< 0.19	< 0.10	< 0.10
1,3-Dichlorobenzene	<3.00	< 1.20	< 1.20	< 0.60	< 0.60	< 0.10	< 0.10	< 1.20	< 0.60	< 0.60	< 0.60	< 0.25	< 0.25	< 0.25	< 0.25	< 0.10	< 0.10
1,4-Dichlorobenzene	<3.00	< 1.20	< 1.20	< 0.60	< 0.60	< 0.10	< 0.10	< 1.20	< 0.60	< 0.60	< 0.60	< 0.25	< 0.25	< 0.25	< 0.26	< 0.10	< 0.10
1,4-Dioxane	<18.0	< 7.20	< 7.20	< 3.60	< 3.60	< 1.0	< 1.0	< 7.2	< 3.60	< 3.60	< 3.60	< 0.74	< 0.75	< 0.74	< 0.75	< 0.10	< 0.10
2-Butanone (MEK)	<59.0	< 24.0	< 24.0	< 12.0	**25**	< 4.0	< 4.0	< 24.0	**29.0 D**	< 12.0	**2.70 D**	< 12.6	**14.7**	**5.01**	**9.44**	< 0.10	**4.78**
Benzyl chloride	<1.60	< 2.10	< 2.10	< 0.52	< 0.52	< 0.10	< 0.10	< 1.00	< 0.52	< 0.52	**13.0 D**	< 1.06	< 1.08	< 1.06	< 1.08	< 0.10	< 0.10
Benzene	**1.6**	< 0.64	< 0.64	**0.59**	**0.59**	**0.27**	< 0.10	< 0.64	**0.90 D**	**0.55 D**	**0.53 D**	< 2.73	**0.88**	**0.65**	< 0.66	< 0.10	< 0.10
Bromodichloromethane	<3.40	< 1.30	< 1.30	**8.10**	< 0.52	< 0.10	< 0.10	< 1.30	< 0.67	< 0.67	< 0.67	< 1.15	< 0.28	< 0.28	< 0.28	< 0.10	< 0.10
Bromoform	<5.20	< 2.10	< 2.10	< 1.0	< 1.0	< 0.10	< 0.10	< 2.10	< 1.0	< 1.0	< 1.0	< 1.77	< 0.43	< 0.42	< 0.43	< 0.10	< 0.10
Bromomethane	<1.90	< 0.78	< 0.78	< 0.39	< 0.39	< 0.10	< 0.10	< 0.78	< 0.39	< 0.39	< 0.39	< 0.66	< 0.16	< 0.16	< 0.16	< 0.10	< 0.10
Carbon Tetrachloride	<3.10	< 1.30	< 1.30	< 0.63	< 0.63	< 0.10	< 0.10	< 1.30	< 0.63	**0.69 D**	< 0.63	< 1.08	< 0.34	**0.46**	**0.31**	< 0.10	**0.78**
Chlorobenzene	<2.30	< 0.92	< 0.92	< 0.46	< 0.47	< 0.10	< 0.10	< 0.92	< 0.46	< 0.46	< 0.46	< 3.94	< 0.96	< 0.94	< 0.96	< 0.10	< 0.10
Chloroethane	<1.30	< 0.53	< 0.53	**1.10**	**0.82**	< 0.10	< 0.10	< 0.53	**0.69 D**	< 0.26	**0.42 D**	< 2.26	< 0.55	< 0.54	< 0.55	< 0.10	< 0.10
Chloroform	**2.4**	**9.00**	< 0.98	**6.80**	**1.40**	**1.40**	**0.60**	**4.80 D**	**1.20 D**	**5.80 D**	**5.10 D**	**6.84**	**8.69**	**6.64**	**10.50**	**7.57**	**11.30**
Chloromethane	**2.1**	**0.90**	**0.94**	**1.50**	**0.82**	**0.46**	**0.50**	**1.00 D**	**1.10 D**	**1.40 D**	**1.40 D**	< 3.53	< 1.15	< 0.85	< 0.86	< 0.10	**1.02**
cis-1,2-Dichloroethene	**2**	**6.80**	< 0.79	**6.70**	**1.30**	**1.90**	**0.21**	**8.20 D**	< 0.40	**6.90 D**	**2.00 D**	**7.30**	**5.67**	**6.94**	**8.68**	**8.80**	**14.30**
cis-1,3-Dichloropropene	<2.3	< 0.91	< 0.91	< 0.45	< 0.45	< 0.10	< 0.10	< 0.91	< 0.45	< 0.45	< 0.45	< 0.78	< 0.19	< 0.19	< 0.19	< 0.10	< 0.10
Cyclohexane	<1.7	< 0.69	< 0.69	**0.57**	< 0.34	< 0.10	< 0.10	< 0.69	**0.78 D**	< 0.34	**0.28 J**	< 5.89	< 1.43	< 1.41	< 1.43	< 0.10	< 0.10
Dibromochloromethane	<4.3	< 1.70	< 1.70	< 0.85	< 0.85	< 0.10	< 0.10	< 1.70	< 0.85	< 0.85	< 0.85	< 1.46	< 0.35	< 0.35	< 0.35	< 0.10	< 0.10
Dichlorodifluoromethane (Freon 12)	<2.5	**2.00**	**2.00**	**2.60**	< 0.60	**0.51**	**0.51**	**2.00 D**	**0.80 D**	**1.50 D**	**1.50 D**	< 8.46	**2.36**	**2.13**	**2.18**	< 0.10	**2.51**
Ethanol	<38	**28.00**	**76.00**	**35.00**	**260.00**	**42.00**	**50.00**	**47.0 D**	**110 D**	**17.0 D**	**86.0 D**	< 80.6	**57.1**	< 19.2	< 19.6	< 0.10	**37.70**
Ethylbenzene	<2.20	**0.92**	**0.92**	< 0.43	**1.50**	**0.11**	**0.19**	< 0.87	**3.60 D**	**0.37 J**	**1.30 D**	**0.39**	**0.82**	**0.39**	**0.82**	< 0.10	**0.62**
4-Methyl-2-pentanone (MIBK)	<2.00	< 0.82	< 0.82	**1.50**	< 0.41	< 0.10	< 0.10	< 0.82	**1.10 D**	< 0.41	**0.95 L**	< 17.5	< 4.26	< 4.18	< 4.26	< 0.10	< 0.10
Methylene Chloride	<17.0	< 6.90	< 6.90	< 3.50	< 3.50	< 1.0	< 1.0	< 6.90	< 3.50	**1.3 J**	**2.00 J**	< 14.9	**8.30**	< 3.54	< 3.61	< 0.10	< 0.10
Methyltertbutyl Ether (MTBE)	**4.1**	**3.20**	< 0.72	**3.70**	**0.56**	**1.20**	< 0.10	**2.90 D**	< 0.36	**4.00 D**	**0.36 D**	< 6.17	< 1.50	< 1.48	< 1.50	< 0.10	< 0.10
Styrene	<2.10	< 0.85	< 0.85	< 0.43	**0.59**	< 0.10	< 0.10	< 0.85	**0.43 D**	< 0.43	< 0.43	< 0.73	**1.29**	**0.64**	**0.56**	< 0.10	< 0.10
Tetrachloroethene	**6.4**	**54.00**	**15.00**	**47.00**	**0.98**	**7.70**	**10.00**	**51.0 D**	< 0.68	**51 D**	**1.50 D**	**54.4**	**2.89**	**59.1**	**0.65**	**62.70**	**0.90**
Toluene	**10**	**6.40**	**6.20**	**3.00**	**6.50**	**1.80**	**2.10**	**7.10 D**	**18.0 D**	**5.10 D**	**7.40 D**	**13.6**	< 0.35	**9.21**	**12.2**	**6.33**	**5.88**
Total Xylenes	**2.5**	**3.30**	**3.70**	**1.30**	**5.30**	**0.33**	**0.29**	< 0.87	**5.70 D**	**1.40 D**	**5.20 D**	**1.97**	**15.00**	**1.26**	**2.81**	< 0.10	**2.36**
trans-1,2-Dichloroethene	<2.00	< 0.79	< 0.79	< 0.40	< 0.40	< 0.10	< 0.10	< 0.79	< 0.40	< 0.40	< 0.40	< 0.68	**0.18**	< 0.16	< 0.17	< 0.10	**0.18**
trans-1,3-Dichloropropene	<2.30	< 0.91	< 0.91	< 0.45	< 0.45	< 0.10	< 0.10	< 0.91	**2.30 D**	< 0.45	< 0.45	< 0.78	< 0.19	< 0.19	< 0.19	< 0.10	< 0.10
Trichloroethene	**1200**	**1200.00**	**7.90**	**1000.00**	**51.00**	**240.00**	**10.00**	**1800 D**	**19.0 D**	**1100 D**	**210 D**	**1430.00**	**234.00**	**994 E**	**119.00**	**1680.00**	**76.30**
Trichlorofluoromethane (Freon 11)	<11.0	**1.10**	**1.10**	< 2.22	< 2.22	< 0.40	< 0.40	< 4.50	< 2.20	**1.30 J**	**1.60 JD**	< 2.41	**1.39**	**1.20**	**1.38**	< 0.40	**1.23**
Vinyl chloride	<1.30	< 0.51	< 0.51	**3.00**	< 0.26	< 0.10	< 0.10	< 0.51	< 0.26	< 0.26	< 0.26	< 0.44	< 0.11	< 0.11	< 0.11	< 0.10	< 0.10

Legend:

<1 = Parameter not detected above the laboratory reporting limit
1 = Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion
BDL = below detection limit
NA = Not analyzed
NE = No criteria established
µg/ m3 = micrograms per cubic meter

System activated carbon changeouts:
4/1/2024

Table 4
Groundwater Sampling Results - Site-related VOCs March - April 2024
Lawrence Aviation Industries Site
Port Jefferson Station, NY

		VOC Analyte	1,1,1-TCA	1,1-DCA	1,1-DCE	1,2,3-TCP	Chloroform	cis-1,2-DCE	Methylcyclo-hexane	MTBE	PCE	Toluene	TCE
		NYSDEC Class GA Criteria	5	5	5	0.04	7	5	NE	10	5	5	5
		Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Well ID:	Date Collected:	Lab Report Number:											
ERT-EW-01	03/28/2024	24C3437	0.470 J	1.10	0.420 J	NA	0.610 J	0.550 J	< 1.00	0.320 J	1.90	< 1.00	49.0
ERT-EW-02	03/28/2024	24C3437	< 1.00	0.390 J	< 1.00	NA	0.390 J	0.480 J	0.470 J	0.490 J	3.70	< 1.00	47.0
ERT-EW-03	03/27/2024	24C3449	< 0.500	< 0.500	< 0.500	< 0.500	0.250 J	< 0.500	NA	< 0.500	0.530	< 0.500	7.60
ERT-EW-04	03/27/2024	24C3451	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	< 0.500	1.30	< 0.500	19.0
ERT-EW-05	03/26/2024	24C3451	< 0.500	< 0.500	< 0.500	< 0.500	0.870	< 0.500	NA	< 0.500	< 0.500	< 0.500	< 0.500
ERT-EW-06	03/28/2024	24C3437	< 2.00	< 2.00	< 2.00	NA	< 4.00	0.820 JD	< 2.00	0.660 JD	5.90 D	< 2.00	200 D
ERT-MW-1A	04/02/2024	24D0341	0.430 J	0.780	0.250 J	< 0.500	0.360 J	< 0.500	NA	< 0.500	< 0.500	< 0.500	5.20
ERT-MW-1B	04/02/2024	24D0344	0.600	1.00	0.350 J	< 0.500	0.340 J	< 0.500	NA	< 0.500	< 0.500	< 0.500	2.10
ERT-MW-2A	04/01/2024	24D0341	< 0.500	< 0.500	< 0.500	< 0.500	1.40	< 0.500	NA	< 0.500	0.420 J	< 0.500	0.360 J
ERT-MW-2B	04/01/2024	24D0344	0.280 J	0.670	0.220 J	0.150 J	0.390 J	0.850	NA	0.320 J	5.20	< 0.500	75.0
ERT-MW-2C	04/01/2024	24D0344	0.200 J	0.420 J	< 0.500	< 0.500	0.310 J	< 0.500	NA	< 0.500	0.200 J	< 0.500	7.90
ERT-MW-2D	04/01/2024	24D0341	0.470 J	1.10	0.350 J	0.230 J	0.440 J	1.30	NA	< 0.500	2.50	< 0.500	110 D
ERT-MW-3	04/02/2024	24D0341	< 0.500	0.180 J	< 0.500	< 0.500	0.590	< 0.500	NA	0.460 J	0.230 J	< 0.500	< 0.500
ERT-MW-4A	04/01/2024	24D0341	0.420 J	0.600	0.210 J	< 0.500	0.270 J	< 0.500	NA	< 0.500	0.260 J	< 0.500	1.50
ERT-MW-4B	04/01/2024	24D0344	0.750	1.20	0.430 J	< 0.500	0.450 J	0.210 J	NA	< 0.500	0.410 J	< 0.500	0.840
ERT-MW-5A	04/01/2024	24D0344	0.810	1.20	0.490 J	< 0.500	0.510	0.470 J	NA	0.150 J	0.480 J	< 0.500	0.880
ERT-MW-5B	04/01/2024	24D0341	1.00	1.30	0.560	< 0.500	0.530	0.280 J	NA	0.200 J	0.430 J	< 0.500	0.650
ERT-MW-6A	03/27/2024	24C3451	0.400 J	0.760	0.240 J	< 0.500	0.380 J	0.180 J	NA	< 0.500	0.300 J	< 0.500	12.0
ERT-MW-6B	03/27/2024	24C3451	0.410 J	0.660	0.240 J	< 0.500	0.350 J	< 0.500	NA	< 0.500	0.180 J	< 0.500	4.00
IW-ISCO-10	04/08/2024	24D1463	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	< 0.500	0.520	< 0.500	13.0
LAI-EW-01	03/28/2024	24C3437	< 1.00	< 1.00	< 1.00	NA	< 2.00	< 1.00	< 1.00	< 1.00	3.10	< 1.00	97.0
LAI-EW-02	03/28/2024	24C3437	< 1.00	< 1.00	< 1.00	NA	0.350 J	< 1.00	< 1.00	< 1.00	3.20	< 1.00	41.0
LAI-EW-03	03/28/2024	24C3437	< 2.00	< 2.00	< 2.00	NA	< 4.00	< 2.00	< 2.00	< 2.00	4.10 D	< 2.00	170 D
LAI-FAC-EFF	03/28/2024	24C3436	< 1.00	< 1.00	< 1.00	NA	< 2.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
MPW-01A	04/01/2024	24D0341	< 0.500	< 0.500	< 0.500	< 0.500	0.270 J	< 0.500	NA	< 0.500	< 0.500	< 0.500	< 0.500
MPW-01B	04/01/2024	24D0341	< 0.500	< 0.500	< 0.500	< 0.500	0.330 J	< 0.500	NA	< 0.500	< 0.500	< 0.500	< 0.500
MPW-01C	04/01/2024	24D0341	0.410 J	1.00	0.280 J	0.360 J	0.650	< 0.500	NA	< 0.500	0.280 J	< 0.500	0.450 J
MPW-02B	04/05/2024	24D0932	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	< 0.500	< 0.500	< 0.500	0.160 J
MPW-02C	04/05/2024	24D0932	0.270 J	0.710	0.220 J	< 0.500	0.710	< 0.500	NA	0.150 J	0.180 J	< 0.500	1.40
MPW-02D	04/05/2024	24D0932	0.220 J	0.540	0.130 J	< 0.500	0.790	< 0.500	NA	0.190 J	0.330 J	< 0.500	0.190 J
MPW-03B	04/04/2024	24D0681	< 0.500	< 0.500	< 0.500	< 0.500	0.190 J	< 0.500	NA	< 0.500	0.360 J	< 0.500	2.60
MPW-03C	04/04/2024	24D0681	< 0.500	0.220 J	< 0.500	< 0.500	0.430 J	< 0.500	NA	0.210 J	0.160 J	< 0.500	0.600
MPW-03D	04/04/2024	24D0932	0.260 J	0.600	< 0.500	< 0.500	0.330 J	< 0.500	NA	0.380 J	0.410 J	< 0.500	1.40
MPW-04A	04/02/2024	24D0341	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.180 J	NA	< 0.500	2.00	< 0.500	3.00
MPW-04B	04/03/2024	24D0681	< 0.500	< 0.500	< 0.500	< 0.500	0.220 J	0.600	NA	< 0.500	2.80	< 0.500	5.40
MPW-04C	04/03/2024	24D0681	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	< 0.500	< 0.500	< 0.500	< 0.500
MPW-04D	04/03/2024	24D0681	< 0.500	< 0.500	< 0.500	< 0.500	0.560	< 0.500	NA	0.230 J	0.200 J	< 0.500	0.180 J
MPW-04E	04/03/2024	24D0680	< 0.500	< 0.500	< 0.500	< 0.500	0.520	< 0.500	NA	0.160 J	0.530	< 0.500	0.540
MPW-05A	04/08/2024	24D1463	< 0.500	< 0.500	< 0.500	< 0.500	1.30	< 0.500	NA	< 0.500	< 0.500	< 0.500	< 0.500
MPW-05B	04/09/2024	24D1470	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	< 0.500	< 0.500	< 0.500	< 0.500
MPW-05C	04/08/2024	24D1470	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	0.270 J	< 0.500	< 0.500	< 0.500
MPW-05D	04/08/2024	24D1463	< 0.500	< 0.500	< 0.500	< 0.500	0.260 J	< 0.500	NA	0.680	< 0.500	0.180 J	0.230 J
MPW-06A	04/02/2024	24D0341	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	0.150 J	< 0.500	< 0.500	< 0.500
MPW-06B	04/02/2024	24D0341	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	0.220 J	< 0.500	2.00	1.40
MPW-06D	04/02/2024	24D0341	0.460 J	0.910	0.310 J	< 0.500	0.470 J	< 0.500	NA	0.130 J	0.350 J	< 0.500	7.20
MPW-08A	03/26/2024	24C3451	< 0.500	< 0.500	< 0.500	< 0.500	0.640	< 0.500	NA	< 0.500	< 0.500	< 0.500	< 0.500
MPW-08B	03/26/2024	24C3451	< 0.500	< 0.500	< 0.500	< 0.500	0.500	< 0.500	NA	0.270 J	< 0.500	< 0.500	0.430 J
MPW-08C	03/27/2024	24C3451	< 0.500	< 0.500	< 0.500	< 0.500	0.410 J	< 0.500	NA	0.210 J	< 0.500	< 0.500	1.90
MPW-08D	03/27/2024	24C3451	< 0.500	0.190 J	< 0.500	< 0.500	0.410 J	< 0.500	NA	0.240 J	< 0.500	< 0.500	4.90
MPW-08E	03/27/2024	24C3449	0.590	0.940	0.310 J	< 0.500	0.360 J	< 0.500	NA	< 0.500	< 0.500	< 0.500	2.00
MPW-09A	03/27/2024	24C3451	< 0.500	< 0.500	< 0.500	< 0.500	0.270 J	< 0.500	NA	0.140 J	0.210 J	< 0.500	7.30
MPW-09B	03/27/2024	24C3451	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	0.830	2.70	< 0.500	27.0
MPW-09C	03/27/2024	24C3451	< 0.500	0.190 J	< 0.500	0.130 J	0.270 J	0.720	NA	0.430 J	12.0	< 0.500	42.0
MPW-09D	03/27/2024	24C3451	0.500	1.10	0.310 J	0.120 J	0.480 J	1.00	NA	0.220 J	4.20	< 0.500	70.0
MPW-09E	03/27/2024	24C3451	0.210 J	0.400 J	< 0.500	< 0.500	0.280 J	< 0.500	NA	< 0.500	< 0.500	< 0.500	0.600
MPW-10A	04/09/2024	24D1463	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.160 J	NA	< 0.500	1.50	< 0.500	2.70
MPW-10B	04/09/2024	24D1463	< 0.500	< 0.500	< 0.500	< 0.500	0.450 J	< 0.500	NA	0.180 J	1.20	< 0.500	1.90
MPW-10C	04/09/2024	24D1463	< 0.500	< 0.500	< 0.500	< 0.500	0.600	< 0.500	NA	0.170 J	0.840	< 0.500	0.760
MPW-10D	04/09/2024	24D1463	< 0.500	< 0.500	< 0.500	< 0.500	0.640	< 0.500	NA	0.170 J	0.280 J	< 0.500	0.300 J
MW-05	04/09/2024	24D1463	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	< 0.500	< 0.500	< 0.500	0.190 J
MW-ISCO-5	04/08/2024	24D1463	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	< 0.500	0.450 J	< 0.500	16.0
MW-PD-11	04/05/2024	24D0932	< 0.500	< 0.500	< 0.500	< 0.500	1.20	< 0.500	NA	< 0.500	< 0.500	< 0.500	< 0.500
MW-PD-12	04/03/2024	24D0681	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	< 0.500	3.60	< 0.500	96.0 D
MW-PD-13	04/02/2024	24D0341	< 0.500	< 0.500	< 0.500	< 0.500	0.350 J	< 0.500	NA	< 0.500	< 0.500	< 0.500	< 0.500
MW-PD-14	04/03/2024	24D0680	< 0.500	< 0.500	< 0.500	< 0.500	1.10	0.170 J	NA	0.210 J	1.50	< 0.500	75.0
MW-PD-15	04/02/2024	24D0341	0.580	0.830	0.300 J	< 0.500	0.590	< 0.500	NA	0.250 J	2.90	< 0.500	2.80
MW-PD-16	04/03/2024	24D0681	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	NA	0.600 JD	4.40 D	< 2.00	250 D
MW-PD-17	04/02/2024	24D0341	0.420 J	< 0.500	0.140 J	< 0.500	0.330 J	< 0.500	NA	< 0.500	< 0.500	< 0.500	0.180 J
PZ-01	04/04/2024	24D0681	< 0.500	< 0.500	< 0.500	< 0.500	0.310 J	< 0.500	NA	< 0.500	< 0.500	< 0.500	0.220 J
PZ-04	04/04/2024	24D0680	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	< 0.500	< 0.500	< 0.500	0.180 J
PZ-05	04/03/2024	24D0681	< 0.500	< 0.500	< 0.500	< 0.500	2.50	< 0.500	NA	< 0.500	0.900	< 0.500	4.30
PZ-07	04/04/2024	24D0681	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	< 0.500	2.00	< 0.500	16.0
SDW-1	03/27/2024	24C3451	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	NA	0.250 J	< 0.500	< 0.500	< 0.500

Legend

<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than NYSDEC TOGS 1.1.1 Class GA Criteria
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes

Only compounds detected above the laboratory reporting limits are presented
µg/L = micrograms per liter
J = Estimated values
D = Sample was diluted for analysis
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation

DCA=Dichloroethane
DCE=Dichloroethene
MTBE=Methyltertbutyl ether
PCE=Tetrachloroethne
TCA=Trichloroethane
TCE=Trichloroethane
TCP=Trichloropropane

Table 5
Comprehensive Groundwater Sampling Results
March-April 2024
Lawrence Aviation Industries
Port Jefferson Station, New York

ID:		ERT-EW01	ERT-EW02	ERT-EW03	ERT-EW04	ERT-EW05	ERT-EW05	ERT-EW06	ERT-MW-1A	ERT-MW-1B	ERT-MW-1B	ERT-MW-2A	ERT-MW-2B	ERT-MW-2C	ERT-MW-2D	ERT-MW-3	ERT-MW-4A	ERT-MW-4B	ERT-MW-5A	ERT-MW-5B	ERT-MW-6A
Sample ID:		ERT-EW-1	ERT-EW-2	ERT-EW-3	ERT-EW-4	ERT-EW-5	ERT-EW-5DUP	ERT-EW-6	ERT-MW-1A	ERT-MW-1B	ERT-MW-1B-DUP	ERT-MW-2A	ERT-MW-2B	ERT-MW-2C	ERT-MW-2D	ERT-MW-3	ERT-MW-4A	ERT-MW-4B	ERT-MW-5A	ERT-MW-5B	ERT-MW-6A
Date Collected:		03/28/2024	03/28/2024	03/27/2024	03/27/2024	03/26/2024	03/26/2024	03/28/2024	04/02/2024	04/02/2024	04/02/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/02/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	03/27/2024
Lab Report Number:		24C3437	24C3437	24C3451	24C3451	24C3451	24C3451	24C3437	24D0344	24D0344	24D0344	24D0341	24D0341	24D0341	24D0341	24D0341	24D0341	24D0341	24D0341	24D0341	24C3451
Sample Type:		N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Parameter	NYDEC Class GA Criteria																				
Anions (µg/l)																					
Chloride	250000	**20000**	**28000**	**18000 U**	**51000 U**	**61000 U**	**62000 D**	**31000**	**16000**	**16000**	**16000**	**37000**	**22000**	**7900**	**15000**	**36000**	**14000**	**16000**	**18000**	**20000**	**15000 U**
Fluorides	1500	**140**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**71.0 J**	**71.0 J**	< 100 U	< 100 U	**67.0 J**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
Sulfate	250000	**12000**	**26000**	**19000 U**	**25000 U**	**25000 U**	**25000**	**31000**	**9000**	**8400**	**8400**	**23000**	**15000**	**2000**	**5400**	**40000**	**14000**	**9000**	**7300**	**11000**	**8700 U**
GenChem (µg/l)																					
Alkalinity, Bicarbonate (As CaCO3)		**38000**	**56000**	**26000 U**	**29000 U**	NA	NA	**45000**	**40000**	**42000**	**42000**	**24000 J-**	**71000 J-**	**33000**	**53000**	**100000**	**23000**	**22000**	**24000**	**30000**	**49000 U**
Alkalinity, Carbonate (As CaCO3)		NA	NA	NA	NA	**10000 U**	**9500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	**1100**	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U
Nitrogen, Kjeldahl, Total		< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**2200**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**1100 U**
pH		**6.50**	**6.20**	NA	NA	NA	NA	**6.00**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids		**130000**	**160000**	**120000 U**	**120000 U**	**210000 U**	**190000**	**190000**	**58000**	**44000 J**	**100000 J**	**120000**	**140000**	**50000**	**94000**	**250000**	**58000**	**70000**	**110000**	**110000**	**82000 U**
Total Suspended Solids		< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	**38000**	< 2500 U	< 2500 U	< 2500 U	**2800**	< 2500 U	**2800**	< 2500 U	< 2500 U
Total Metals (mg/l)																					
Aluminum		**35.0 J**	< 50.0 U	**51.0 U**	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	**24.0 J**	< 50.0 U	< 50.0 U	**34.0 J**	**57.0**	< 50.0 U	**62.0**	< 50.0 U	< 50.0 U
Antimony	3	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Arsenic	25	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Barium	1000	**120**	**130**	**58.0 U**	**100 U**	**58.0 U**	**58.0**	**130**	**21.0 J**	**15.0 J**	**15.0 J**	**55.0**	**73.0**	**45.0 J**	**95.0**	**170**	**26.0 J**	**30.0 J**	**10.0 J**	**8.60 J**	**18.0 U**
Beryllium	3	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U
Cadmium	5	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U
Calcium		**17000**	**18000**	**13000 U**	**19000 U**	**11000 U**	**11000**	**17000**	**15000**	**15000**	**15000**	**14000**	**23000**	**8800**	**19000**	**32000**	**11000**	**11000**	**12000**	**15000**	**18000 U**
Chromium	50	< 10.0 U	**12.0**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**11.0**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Cobalt		< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Copper	200	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**5.70 J**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Iron	300	< 50.0 U	< 50.0 U	**77.0 U**	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	**24.0 J**	**48.0 J**	**65.0**	< 50.0 U	< 50.0 U	**63.0**	**100**	< 50.0 U	**110**	**38.0 J**	< 50.0 U
Lead	25	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Magnesium	35000	**6400**	**8100**	**6000 U**	**9200 U**	**9100 U**	**9800**	**8200**	**5600**	**5600**	**5700**	**8200**	**9500**	**3200**	**6600**	**17000**	**4400**	**4600**	**4900**	**5800**	**6400 U**
Manganese	300	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**3.60 J**	< 10.0 U	< 10.0 U	< 10.0 U	**4.40 J**	< 10.0 U	< 10.0 U	< 10.0 U	**5.50 J**	**3.80 J**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Mercury	0.7	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U
Nickel	100	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**2.80 U**	**2.80 J**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**4.00 J**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Potassium		**1600 J**	**15000**	**1200 U**	**1700 U**	**2100 U**	**2300**	**11000**	**1100 J**	**950 J**	**960 J**	**2800**	**1500 J**	**730 J**	**1100 J**	**2100**	**900 J**	**960 J**	**910 J**	**1000 J**	**1400 U**
Selenium	10	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Silver	50	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	20000	**15000**	**19000**	**14000 U**	**30000 U**	**36000 U**	**38000**	**21000**	**10000**	**9700**	**9700**	**23000**	**17000**	**7000**	**13000**	**25000**	**10000**	**12000**	**12000**	**14000**	**11000 U**
Thallium	0.5	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Vanadium		< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	2000	< 10.0 U	**5.90 J**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**15.0 J+**	< 10.0 U	< 10.0 U	< 10.0 U	**19.0**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
PFAS Compounds (mg/l)																					
Total Suspended Solids		< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	**30000**	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U
PFAS Compounds (ng/l)																					
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (F53B		< 4.00 U	< 4.20 U	< 3.90 U	< 3.50 U	< 3.90 U	< 4.00 U	< 3.60 U	< 3.90 U	< 3.80 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.60 U	< 3.90 U	< 3.80 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)		< 4.00 U	< 4.20 U	< 3.90 U	< 3.50 U	< 3.90 U	< 4.00 U	< 3.60 U	< 3.90 U	< 3.80 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.60 U	< 3.90 U	< 3.80 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)		< 4.00 U	< 4.20 U	< 3.90 U	< 3.50 U	< 3.90 U	< 4.00 U	< 3.60 U	< 3.90 U	< 3.80 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.60 U	< 3.90 U	< 3.80 U
1H,1H,2H,2H-Perfluorodecanessulfonic acid (8:2 FTS)		< 4.00 U	< 4.20 U	< 3.90 U	< 3.50 U	< 3.90 U	< 4.00 U	< 3.60 U	< 3.90 U	< 3.80 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.60 U	< 3.90 U	< 3.80 U
3:3FTCA		< 10.0 U	< 10.0 U	< 9.70 U	< 8.80 U	< 9.80 U	< 10.0 U	< 9.10 U	< 9.90 U	< 9.60 U	< 9.70 U	< 9.60 U	< 9.60 U	< 9.70 U	< 9.70 U	< 9.50 U	< 9.60 U	< 8.90 U	< 8.90 U	< 9.70 U	< 9.50 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		< 4.00 U	< 4.20 U	< 3.90 U	< 3.50 U	< 3.90 U	< 4.00 U	< 3.60 U	< 3.90 U	< 3.80 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.60 U	< 3.90 U	< 3.80 U
5:3FTCA		< 51.0 U	< 52.0 U	< 49.0 U	< 44.0 U	< 49.0 U	< 50.0 U	< 46.0 U	< 49.0 U	< 48.0 U	< 49.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 44.0 U	< 44.0 U	< 48.0 U	< 48.0 U
7:3FTCA		< 51.0 U	< 52.0 U	< 49.0 U	< 44.0 U	< 49.0 U	< 50.0 U	< 46.0 U	< 49.0 U	< 48.0 U	< 49.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 44.0 U	< 44.0 U	< 48.0 U	< 48.0 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (F53B		< 4.00 U	< 4.20 U	< 3.90 U	< 3.50 U	< 3.90 U	< 4.00 U	< 3.60 U	< 3.90 U	< 3.80 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.60 U	< 3.90 U	< 3.80 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)		< 4.00 U	< 4.20 U	< 3.90 U	< 3.50 U	< 3.90 U	< 4.00 U	< 3.60 U	< 3.90 U	< 3.80 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.60 U	< 3.90 U	< 3.80 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		< 10.0 U	< 10.0 U	< 9.70 U	< 8.80 U	< 9.80 U	< 10.0 U	< 9.10 U	< 9.90 U	< 9.60 U	< 9.70 U	< 9.60 U	< 9.60 U	< 9.70 U	< 9.70 U	< 9.50 U	< 9.60 U	< 8.90 U	< 8.90 U	< 9.70 U	< 9.50 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		< 10.0 U	< 10.0 U	< 9.70 U	< 8.80 U	< 9.80 U	< 10.0 U	< 9.10 U	< 9.90 U	< 9.60 U	< 9.70 U	< 9.60 U	< 9.60 U	< 9.70 U	< 9.70 U	< 9.50 U	< 9.60 U	< 8.90 U	< 8.90 U	< 9.70 U	< 9.50 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		< 2.00 U	< 2.10 U	< 1.90 U	< 1.80 U	< 2.00 U	< 2.00 U	< 1.80 U	< 2.00 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.80 U	< 1.90 U	< 1.90 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		< 2.00 U	< 2.10 U	< 1.90 U	< 1.80 U	< 2.00 U	< 2.00 U	< 1.80 U	< 2.00 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.80 U	< 1.90 U	< 1.90 U
Perfluoro-3-methoxypropanoic acid (PFMPA)		< 2.00 U	< 2.10 U	< 1.90 U	< 1.80 U	< 2.00 U	< 2.00 U	< 1.80 U	< 2.00 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.80 U	< 1.90 U	< 1.90 U
Perfluoro-4-methoxybutanoic acid (PFMBA)		< 2.00 U	< 2.10 U	< 1.90 U	< 1.80 U	< 2.00 U	< 2.00 U	< 1.80 U	< 2.00 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.80 U	< 1.90 U	< 1.90 U
Perfluorobutanesulfonic acid (PFBS)		**0.700 J**	**0.990 J**	**1.20**	**4.20**	**3.40**	**3.00**	**1.30**	**0.300 J**	**0.230 J**	**0.230 J**	**2.40**	**1.00**	< 0.970 U	**0.560 J**	**1.20**	**0.330 J**	**0.370 J**	**0.400 J**	**0.380 J**	**0.230 J**
Perfluorobutanoic acid (PFBA)		< 4.00 U	**3.90 J**	< 3.90 U	**2.30 J**	**3.10 J**	**3.10 J**	**3.00 J**	< 3.90 U	< 3.80 U	< 3.90 U	**4.80**	**3.40 J**	< 3.90 U	< 3.90 U	**7.40**	< 3.80 U	< 3.60 U	< 3.60 U	< 3.90 U	< 3.80 U
Perfluorodecanesulfonic acid (PFDS)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
Perfluorodecanoic acid (PFDA)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	**0.210 J**	**0.230 J**	< 0.960 U	< 0.960 U	**0.340 J**	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	**0.310 J**	< 0.970 U	< 0.950 U
Perfluorododecane sulfonate (PFDoDS)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
Perfluorododecanoic acid (PFDoA)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
Perfluoroheptanesulfonic acid (PFHpS)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
Perfluoroheptanoic acid (PFHpA)		**0.850 J**	**1.00 J**	**0.940 J**	**1.10**	**1.90**	**1.90**	**2.10**	< 0.990 U	< 0.960 U	< 0.970 U	**3.00**	**1.30**	< 0.970 U	**0.340 J**	**4.70**	< 0.960 U	< 0.890 U	**0.270 J**	< 0.970 U	< 0.950 U
Perfluorohexanesulfonic acid (PFHxS)		**5.10**	**2.90**	**2.10 J+**	**5.40 J+**	**16.0 J+**	**16.0 J+**	**7.00**	**0.500 J**	**0.440 J**	**0.390 J**	**3.10**	**1.50**	< 0.970 U	**0.640 J**	**3.70**	**1.20**	**1.60**	**1.30**	**1.30**	< 0.950 U
Perfluorohexanoic acid (PFHxA)		**2.10**	**2.60**	**2.30**	**2.00**	**4.70**	**4.60**	**5.60**	< 0.990 U	< 0.960 U	< 0.970 U	**12.0**	**4.60**	< 0.970 U	**1.40**	**8.70**	< 0.960 U	< 0.890 U	**0.570 J**	**0.740 J**	< 0.950 U
Perfluorononane sulfonic acid (PFNS)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
Perfluorononanoic acid (PFNA)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	**0.440 J**	**0.450 J**	< 0.910 U	**0.810 J**	< 0.960 U	< 0.970 U	**0.640 J**	< 0.960 U	**3.90 J+**	**4.40**	< 0.950 U	< 0.960 U	< 0.890 U	**2.30 J+**	< 0.970 U	**1.10**
Perfluorooctane Sulfonamide (PFOSA)		**0.540 J**	**0.270 J**	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
Perfluorooctanesulfonic acid (PFOS)	2.7	**1.30**	**1.90**	**0.940 J**	**0.680 J**	**3.10**	**3.20**	**1.30**	< 0.990 U	< 0.960 U	< 0.970 U	**3.30**	**0.650 J**	< 0.970 U	< 0.970 U	**3.40**	< 0.960 U	< 0.890 U	< 0.890 U	**0.710 J**	< 0.950 U
Perfluorooctanoic acid (PFOA)	6.7	**2.20**	**2.80**	**2.50**	**3.00**	**6.00**	**6.30**	**3.60**	**0.420 J**	< 0.960 U	**0.480 J**	**6.80**	**2.00**	**1.40**	**2.90**	**12.0**	< 0.960 U	< 0.890 U	**0.890**	**1.30**	**1.60**
Perfluoropentane sulfonate (PFPeS)		**0.440 J**	< 1.00 U	**0.480 J**	**0.610 J**	**1.20**	**1.10**	**1.00**	< 0.990 U	< 0.960 U	< 0.970 U	**0.560 J**	**0.580 J**	< 0.970 U	**0.260 J**	**0.840 J**	**0.260 J**	**0.330 J**	**0.280 J**	**0.390 J**	**0.250 J**
Perfluoropentanoic acid (PFPeA)		**2.10**	**2.90**	**1.80 J**	**1.60 J**	**4.70**	**4.60**	**5.30**	< 2.00 U	< 1.90 U	< 1.90 U	**12.0**	**5.30**	< 1.90 U	**1.60 J**	**9.70**	< 1.90 U	< 1.80 U	**1.10 J**	**0.430 J**	< 1.90 U
Perfluorotetradecanoic acid (PFTeDA)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
Perfluorotridecanoic acid (PFTrDA)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
Perfluoroundecanoic acid (PFUnA)		< 1.00 U	< 1.00 U	< 0.970 U	< 0.880 U	< 0.980 U	< 1.00 U	< 0.910 U	< 0.990 U	< 0.960 U	< 0.970 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.970 U	< 0.950 U	< 0.960 U	< 0.890 U	< 0.890 U	< 0.970 U	< 0.950 U
Semivolatile Organic Compounds (SVOCs) (µg/l)																					
1,4-Dioxane	0.35	**0.650**	**0.310**	**0.100 U**	**0.0980 U**	**0.0780 U**	**0.0730 J**	**0.250**	**0.450**	**0.450**	**0.420**	**0.0850 J**	**0.370**	**0.220**	**0.600**	**0.270**	**0.350**	**0.710**	**0.640**	**0.700**	**0.490 U**
TOC (ug/l)																					
Total Organic Carbon		**660 J**	**810 J**	**660 U**	**700 U**	**800 U**	**780 J**	**980 J**	< 1000 U	< 1000 U	< 1000 U	**770 J**	**890 J**	< 1000 U	< 1000 U	**2000**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U

Table 4
Comprehensive Groundwater Sampling Results
March-April 2024
Lawrence Aviation Industries
Port Jefferson Station, New York

	ID:	ERT-EW01	ERT-EW02	ERT-EW03	ERT-EW04	ERT-EW05	ERT-EW05	ERT-EW06	ERT-MW-1A	ERT-MW-1B	ERT-MW-1B	ERT-MW-2A	ERT-MW-2B	ERT-MW-2C	ERT-MW-2D	ERT-MW-3	ERT-MW-4A	ERT-MW-4B	ERT-MW-5A	ERT-MW-5B	ERT-MW-6A
	Sample ID:	ERT-EW-1	ERT-EW-2	ERT-EW-3	ERT-EW-4	ERT-EW-5	ERT-EW-5DUP	ERT-EW-6	ERT-MW-1A	ERT-MW-1B	ERT-MW-1B-DUP	ERT-MW-2A	ERT-MW-2B	ERT-MW-2C	ERT-MW-2D	ERT-MW-3	ERT-MW-4A	ERT-MW-4B	ERT-MW-5A	ERT-MW-5B	ERT-MW-6A
	Date Collected:	03/28/2024	03/28/2024	03/27/2024	03/27/2024	03/26/2024	03/26/2024	03/28/2024	04/02/2024	04/02/2024	04/02/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/02/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	03/27/2024
	Lab Report Number:	24C3437	24C3437	24C3451	24C3451	24C3451	24C3451	24C3437	24D0344	24D0344	24D0344	24D0341	24D0341	24D0341	24D0341	24D0341	24D0341	24D0341	24D0341	24D0341	24C3451
	Sample Type:	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
Parameter	NYDEC Class GA Criteria																				
Volatile Organic Compounds (VOCs) (µg/l)																					
1,1,1,2-Tetrachloroethane	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,1-Trichloroethane	5	**0.470 J**	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	**0.430 J**	**0.600**	**0.560**	< 0.500 U	**0.280 J**	**0.200 J**	**0.470 J**	< 0.500 U	**0.420 J**	**0.750**	**0.810**	**1.00**	**0.400 U**
1,1,2,2-Tetrachloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2-Trichloroethane	1	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	5	< 1.00 U	< 1.00 U	NA	NA	NA	NA	< 2.00 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	**1.10**	**0.390 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	**0.780**	**1.00**	**0.980**	< 0.500 U	**0.670**	**0.420 J**	**1.10**	**0.180 J**	**0.600**	**1.20**	**1.20**	**1.30**	**0.760 U**
1,1-Dichloroethene	5	**0.420 J**	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	**0.250 J**	**0.350 J**	**0.330 J**	< 0.500 U	**0.220 J**	< 0.500 U	**0.350 J**	< 0.500 U	**0.210 J**	**0.430 J**	**0.490 J**	**0.560**	**0.240 U**
1,1-Dichloropropylene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,3-Trichlorobenzene	5	< 5.00 U	< 5.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 10.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,3-Trichloropropane	0.04	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.150 J**	< 0.500 U	**0.230 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,4-Trichlorobenzene	5	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,4-Trimethylbenzene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dibromo-3-chloropropane	0.04	< 5.00 U	< 5.00 U	NA	NA	NA	NA	< 10.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB) (ethylene dibromide)	0.0006	< 0.500 U	< 0.500 U	NA	NA	NA	NA	< 1.00 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dichloroethane	0.6	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dichloropropane	1	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3,5-Trichlorobenzene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3,5-trimethyl-benzene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichlorobenzene	3	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichloropropane	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichloropropene	0.4	NA	NA	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	NA	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
1,4-Dichlorobenzene	3	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,4-Dioxane	0.35	< 50.0 U	< 50.0 U	NA	NA	NA	NA	< 100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
2-Butanone (MEK)	50	< 20.0 U	< 20.0 U	NA	NA	NA	NA	< 40.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
2-Hexanone (Methyl butyl ketone/MBK)	50	< 10.0 U	< 10.0 U	NA	NA	NA	NA	< 20.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
4-Isopropyltoluene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Acetone	50	< 50.0 U	< 50.0 U	NA	NA	NA	NA	< 100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromobenzene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromochloromethane	5	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromodichloromethane	50	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromoform	50	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromomethane	5	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Carbon disulfide	60	< 5.00 U	< 5.00 U	NA	NA	NA	NA	< 10.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	< 5.00 U	< 5.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 10.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chlorobenzene	5	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chloroethane	5	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chloroform	7	**0.610 J**	**0.390 J**	**0.250 U**	< 0.500 U	**0.870 U**	**0.830**	< 4.00 U	**0.360 J**	**0.340 J**	**0.350 J**	**1.40 J+**	< 0.500 U	< 0.500 U	< 0.500 U	**0.590**	< 0.500 U	< 0.500 U	**0.510 J+**	**0.530 J+**	**0.380 U**
Chloromethane	5	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
cis-1,2-Dichloroethene	5	**0.550 J**	**0.480 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.820 JD**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.850**	< 0.500 U	**1.30**	< 0.500 U	< 0.500 U	**0.210 J**	**0.470 J**	**0.280 J**	**0.180 U**
cis-1,3-Dichloropropene	0.4	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Cyclohexane		< 5.00 U	< 5.00 U	NA	NA	NA	NA	< 10.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Dibromomethane	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Dichlorodifluoromethane	5	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Ethylbenzene	5	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Hexachloro-1,3-butadiene	0.5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Isopropylbenzene		< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
m,p-Xylene		NA	NA	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	NA	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
Methyl acetate		< 1.00 U	< 1.00 U	NA	NA	NA	NA	< 2.00 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone (MIBK)		< 10.0 U	< 10.0 U	NA	NA	NA	NA	< 20.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane		< 1.00 UJ	**0.470 J**	NA	NA	NA	NA	< 2.00 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	< 5.00 U	< 5.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 10.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Methyltertbutyl ether	10	**0.320 J**	**0.490 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.660 JD**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.320 J**	< 0.500 U	< 0.500 U	**0.460 J**	< 0.500 U	< 0.500 U	**0.150 J**	**0.200 J**	< 0.500 U
Naphthalene	10	NA	NA	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	NA	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
n-Butylbenzene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
n-Propylbenzene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
o-Xylene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
sec-Butylbenzene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Styrene	5	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
tert-Butylbenzene	5	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Tetrachloroethene	5	**1.90**	**3.70**	**0.530 U**	**1.30 U**	< 0.500 U	< 0.500 U	**5.90 D**	< 0.500 U	< 0.500 U	< 0.500 U	**0.420 J**	**5.20**	**0.200 J**	**2.50**	**0.230 J**	**0.260 J**	**0.410 J**	**0.480 J**	**0.430 J**	**0.300 U**
Tetrahydrofuran	50	NA	NA	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	NA	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U
Toluene	5	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Total Xylenes		< 1.00 U	< 1.00 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 2.00 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U
trans-1,2-Dichloroethene	5	< 1.00 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
trans-1,3-Dichloropropene	0.4	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Trichloroethene	5	**49.0**	**47.0**	**7.60 U**	**19.0 U**	< 0.500 U	< 0.500 U	**200 D**	**5.20**	**2.10**	**2.20**	**0.360 J**	**75.0**	**7.90**	**110 D**	< 0.500 U	**1.50**	**0.840**	**0.880**	**0.650**	**12.0 U**
Trichlorofluoromethane	5	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Vinyl chloride	2	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than NYSDEC Class GA Criteria
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
µg/l = micrograms per liter
NA = Not Analyzed
NP = not promulgated/ no applicable cleanup criteria
NYSDEC = New York State Department of Environmental Conservation
R = Data are rejected and not usable of any purpose

Table 4
Comprehensive Groundwater Sampling Results
March-April 2024
Lawrence Aviation Industries
Port Jefferson Station, New York

ID:		ERT-MW-6B	IW-ISCO-10	LAI-EW01	LAI-EW02	LAI-EW03	MPW-01A	MPW-01B	MPW-01C	MPW-02B	MPW-02C	MPW-02D	MPW-03B	MPW-03C	MPW-03D	MPW-04A	MPW-04B	MPW-04C	MPW-04D	MPW-04E	MPW-05A
Sample ID:		ERT-MW-6B	IW-ISCO-10	LAI-EW-1	LAI-EW-2	LAI-EW-3	MPW-01A	MPW-01B	MPW-01C	MPW-02B	MPW-02C	MPW-02D	MPW-03B	MPW-03C	MPW-03D	MPW-04A	MPW-04B	MPW-04C	MPW-04D	MPW-04E	MPW-05A
Date Collected:		03/27/2024	04/08/2024	03/28/2024	03/28/2024	03/28/2024	04/01/2024	04/01/2024	04/01/2024	04/05/2024	04/05/2024	04/05/2024	04/04/2024	04/04/2024	04/04/2024	04/02/2024	04/03/2024	04/03/2024	04/03/2024	04/03/2024	04/08/2024
Lab Report Number:		24C3451	24D1463	24C3437	24C3437	24C3437	24D0341	24D0341	24D0341	24D0932	24D0932	24D0932	24D0681	24D0681	24D0932	24D0341	24D0681	24D0681	24D0681	24D0681	24D1463
Sample Type:		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYDEC Class GA Criteria																				
Anions (µg/l)																					
Chloride	250000	**14000 U**	**18000**	**15000**	**22000**	**16000**	**53000 D**	**70000 D**	**23000**	**32000 U**	**34000 U**	**48000 U**	**22000**	**32000**	**26000 U**	**64000 D**	**22000**	**37000**	**45000**	**52000 D**	**32000**
Fluorides	1500	< 100 U	**3700**	**9200 D**	**2200**	**9700 D**	< 100 U	< 100 U	< 100 U	**1800 U**	**600 U**	**130 U**	**120**	**510**	< 100 U	< 100 U	**1300**	**1300**	**450**	< 100 U	< 100 U
Sulfate	250000	**10000 U**	**26000**	**25000**	**24000**	**27000**	**29000 J-**	**24000**	**25000**	**27000 U**	**23000 U**	**27000 U**	**19000**	**21000**	**27000 U**	**40000**	**28000**	**31000**	**29000**	**27000**	**27000**
GenChem (µg/l)																					
Alkalinity, Bicarbonate (As CaCO3)		**51000 U**	**30000**	**64000**	**37000**	**29000**	**30000 J-**	NA	**84000**	**27000 U**	**35000 U**	**34000 U**	**34000**	**43000**	**35000 U**	**130000**	**70000**	**23000**	**20000**	**30000**	**25000**
Alkalinity, Carbonate (As CaCO3)		NA	NA	NA	NA	NA	NA	**11000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	**1700**	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U
Nitrogen, Kjeldahl, Total		**1100 U**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**2200**	**3400**	**2200**	**3400**	**2200**	< 1000 U
pH		NA	NA	**6.50**	**6.30**	**6.40**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids		**120000 U**	**120000**	**160000**	**160000**	**150000**	**180000**	**180000**	**170000**	**190000 U**	**190000 U**	**260000 U**	**130000**	**170000**	**200000 U**	**240000**	**180000**	**190000**	**180000**	**230000**	**30000**
Total Suspended Solids		< 5000 U	**5500**	< 2500 U	< 2500 U	< 2500 U	< 2700 U	< 2600 U	**5300**	< 2500 U	< 2500 U	< 2500 U	**49000**	< 2500 U	< 2500 U	**8500**	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U
Total Metals (mg/l)																					
Aluminum		< 50.0 U	**350**	**1900**	**210**	**2400**	< 50.0 U	< 50.0 U	**170**	< 50.0 U	< 50.0 U	< 50.0 U	**450**	< 50.0 U	< 50.0 U	< 50.0 U	**38.0 J**	**79.0**	**23.0 J**	< 50.0 U	**98.0**
Antimony	3	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Arsenic	25	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Barium	1000	**20.0 U**	**75.0**	**28.0 J**	**78.0**	**28.0 J**	**88.0**	**150**	**150**	**51.0 U**	**100 U**	**160 U**	**30.0 J**	**110**	**76.0 U**	**7.10 J**	**80.0**	**54.0**	**110**	**240**	**29.0 J**
Beryllium	3	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U
Cadmium	5	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U
Calcium		**18000 U**	**12000**	**15000**	**15000**	**13000**	**22000**	**17000**	**26000**	**15000 U**	**19000 U**	**21000 U**	**13000**	**19000**	**21000 U**	**15000**	**17000**	**16000**	**17000**	**19000**	**13000**
Chromium	50	< 10.0 U	**31.0**	**17.0**	**11.0**	**19.0**	**15.0**	< 10.0 U	< 10.0 U	**15.0 U**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**1000**	< 10.0 U	< 10.0 U	**20.0**	< 10.0 U	< 10.0 U
Cobalt		< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**4.40 J**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**2.60 U**	**67.0**	< 10.0 U	< 10.0 U	**2.30 J**	< 10.0 U	**5.10 J**
Copper	200	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**4.70 J**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**4.80 J**	< 10.0 U	< 10.0 U	**9.60 JB**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Iron	300	< 50.0 U	**310**	< 50.0 U	< 50.0 U	< 50.0 U	**220**	< 50.0 U	**250**	< 50.0 U	< 50.0 U	< 50.0 U	**640 J-**	< 50.0 U	**25.0 U**	**63000**	< 50.0 U	**72.0**	**340 J-**	< 50.0 UJ-	**58.0**
Lead	25	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Magnesium	35000	**6700 U**	**6700**	**8100**	**7700**	**6700**	**5900**	**8300**	**14000**	**9200 U**	**8400 U**	**12000 U**	**5900**	**7200**	**5300 U**	**7700**	**9200**	**8400**	**8400**	**8600**	**8800**
Manganese	300	< 10.0 U	**55.0**	< 10.0 U	< 10.0 U	< 10.0 U	**520**	**19.0**	**8.00 J**	**3.00 U**	< 10.0 U	< 10.0 U	**11.0**	< 10.0 U	**230 U**	**2200**	< 10.0 U	**3.70 J**	**32.0**	< 10.0 U	**22.0**
Mercury	0.7	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U
Nickel	100	< 10.0 U	**17.0**	**13.0**	**3.10 J**	**7.60 J**	**510**	**3.90 J**	< 10.0 U	< 10.0 U	**5.60 U**	< 10.0 U	**10.0**	**150**	**20.0 U**	**7100**	< 10.0 U	< 10.0 U	**310**	< 10.0 U	**15.0**
Potassium		**1500 U**	**7100**	**19000**	**5400**	**9600**	**5500**	**3100**	**2000 J**	**1800 U**	**2900 U**	**2700 U**	**2400**	**2000**	**1900 U**	**12000**	**14000**	**7000**	**4600**	**6800**	**2700**
Selenium	10	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Silver	50	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**2.70 U**	**2.80 U**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	20000	**11000 U**	**19000**	**18000**	**18000**	**17000**	**37000**	**40000**	**21000**	**23000 U**	**20000 U**	**27000 U**	**15000**	**22000**	**20000 U**	**17000**	**19000 J-**	**27000**	**27000**	**32000**	**23000**
Thallium	0.5	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Vanadium		< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	2000	< 10.0 U	< 10.0 U	**87.0**	**83.0**	**16.0**	**25.0 J+**	< 10.0 U	< 10.0 U	< 10.0 U	**4.00 U**	< 10.0 U	**7.90 J**	< 10.0 U	**18.0 U**	**4.10 J**	< 10.0 U	**47.0**	< 10.0 U	< 10.0 U	**89.0**
PFAS Compounds (mg/l)																					
Total Suspended Solids		< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	**56000**	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	**10000**	< 10000 U	< 10000 U
PFAS Compounds (ng/l)																					
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (F53B		< 3.60 U	< 3.70 U	< 3.80 U	< 4.00 U	< 4.00 U	< 4.20 U	< 4.20 U	< 4.50 U	< 4.10 U	< 3.90 U	< 4.30 U	< 3.80 U	< 4.30 U	< 4.10 U	< 4.40 U	< 4.30 U	< 4.10 U	< 4.20 U	< 3.90 U	< 3.80 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)		< 3.60 U	< 3.70 U	< 3.80 U	< 4.00 U	< 4.00 U	< 4.20 U	< 4.20 U	< 4.50 U	< 4.10 U	< 3.90 U	< 4.30 U	< 3.80 U	< 4.30 U	< 4.10 U	< 4.40 U	< 4.30 U	< 4.10 U	< 4.20 U	< 3.90 U	< 3.80 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)		< 3.60 U	< 3.70 U	< 3.80 U	< 4.00 U	< 4.00 U	< 4.20 U	< 4.20 U	< 4.50 U	< 4.10 U	< 3.90 U	< 4.30 U	< 3.80 U	< 4.30 U	< 4.10 U	< 4.40 U	< 4.30 U	< 4.10 U	< 4.20 U	< 3.90 U	< 3.80 U
1H,1H,2H,2H-Perfluorodecanessulfonic acid (8:2 FTS)		< 3.60 U	< 3.70 U	< 3.80 U	< 4.00 U	< 4.00 U	< 4.20 U	< 4.20 U	< 4.50 U	< 4.10 U	< 3.90 U	< 4.30 U	< 3.80 U	< 4.30 U	< 4.10 U	< 4.40 U	< 4.30 U	< 4.10 U	< 4.20 U	< 3.90 U	< 3.80 U
3:3FTCA		< 8.90 U	< 9.20 U	< 9.60 U	< 10.0 U	< 10.0 U	< 11.0 U	< 11.0 U	< 11.0 U	< 10.0 U	< 9.70 U	< 11.0 U	< 9.60 U	< 11.0 U	< 10.0 U	< 11.0 U	< 11.0 U	< 10.0 U	< 10.0 U	< 9.90 U	< 9.40 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		< 3.60 U	< 3.70 U	< 3.80 U	< 4.00 U	< 4.00 U	< 4.20 U	< 4.20 U	< 4.50 U	< 4.10 U	< 3.90 U	< 4.30 U	< 3.80 U	< 4.30 U	< 4.10 U	< 4.40 U	< 4.30 U	< 4.10 U	< 4.20 U	< 3.90 U	< 3.80 U
5:3FTCA		< 44.0 U	< 46.0 U	< 48.0 U	< 50.0 U	< 50.0 U	< 53.0 U	< 53.0 U	< 56.0 U	< 51.0 U	< 49.0 U	< 54.0 U	< 48.0 U	< 53.0 U	< 51.0 U	< 55.0 U	< 53.0 U	< 52.0 U	< 52.0 U	< 49.0 U	< 47.0 U
7:3FTCA		< 44.0 U	< 46.0 U	< 48.0 U	< 50.0 U	< 50.0 U	< 53.0 U	< 53.0 U	< 56.0 U	< 51.0 U	< 49.0 U	< 54.0 U	< 48.0 U	< 53.0 U	< 51.0 U	< 55.0 U	< 53.0 U	< 52.0 U	< 52.0 U	< 49.0 U	< 47.0 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (F53B		< 3.60 U	< 3.70 U	< 3.80 U	< 4.00 U	< 4.00 U	< 4.20 U	< 4.20 U	< 4.50 U	< 4.10 U	< 3.90 U	< 4.30 U	< 3.80 U	< 4.30 U	< 4.10 U	< 4.40 U	< 4.30 U	< 4.10 U	< 4.20 U	< 3.90 U	< 3.80 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)		< 3.60 U	< 3.70 U	< 3.80 U	< 4.00 U	< 4.00 U	< 4.20 U	< 4.20 U	< 4.50 U	< 4.10 U	< 3.90 U	< 4.30 U	< 3.80 U	< 4.30 U	< 4.10 U	< 4.40 U	< 4.30 U	< 4.10 U	< 4.20 U	< 3.90 U	< 3.80 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		< 8.90 U	< 9.20 U	< 9.60 U	< 10.0 U	< 10.0 U	< 11.0 U	< 11.0 U	< 11.0 U	< 10.0 U	< 9.70 U	< 11.0 U	< 9.60 U	< 11.0 U	< 10.0 U	< 11.0 U	< 11.0 U	< 10.0 U	< 10.0 U	< 9.90 U	< 9.40 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 UJ	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		< 8.90 U	< 9.20 U	< 9.60 U	< 10.0 U	< 10.0 U	< 11.0 U	< 11.0 U	< 11.0 U	< 10.0 U	< 9.70 U	< 11.0 U	< 9.60 U	< 11.0 U	< 10.0 U	< 11.0 U	< 11.0 U	< 10.0 U	< 10.0 U	< 9.90 U	< 9.40 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		< 1.80 U	< 1.80 U	< 1.90 U	< 2.00 U	< 2.00 U	< 2.10 U	< 2.10 U	< 2.30 U	< 2.00 U	< 1.90 U	< 2.20 U	< 1.90 U	< 2.10 U	< 2.10 U	< 2.20 U	< 2.10 U	< 2.10 U	< 2.10 U	< 2.00 U	< 1.90 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		< 1.80 U	< 1.80 U	< 1.90 U	< 2.00 U	< 2.00 U	< 2.10 U	< 2.10 U	< 2.30 U	< 2.00 U	< 1.90 U	< 2.20 U	< 1.90 U	< 2.10 U	< 2.10 U	< 2.20 U	< 2.10 U	< 2.10 U	< 2.10 U	< 2.00 U	< 1.90 U
Perfluoro-3-methoxypropanoic acid (PFMPA)		< 1.80 U	< 1.80 U	< 1.90 U	< 2.00 U	< 2.00 U	< 2.10 U	< 2.10 U	< 2.30 U	< 2.00 U	< 1.90 U	< 2.20 U	< 1.90 U	< 2.10 U	< 2.10 U	< 2.20 U	< 2.10 U	**1.20 J**	< 2.10 U	**1.80 J**	< 1.90 U
Perfluoro-4-methoxybutanoic acid (PFMBA)		< 1.80 U	< 1.80 U	< 1.90 U	< 2.00 U	< 2.00 U	< 2.10 U	< 2.10 U	< 2.30 U	< 2.00 U	< 1.90 U	< 2.20 U	< 1.90 U	< 2.10 U	< 2.10 U	< 2.20 U	< 2.10 U	< 2.10 U	< 2.10 U	< 2.00 U	< 1.90 U
Perfluorobutanesulfonic acid (PFBS)		**0.240 J**	**1.40**	**1.40**	**3.10**	**1.60**	**6.10**	**5.50**	**1.20**	**2.20**	**2.00**	**2.00**	**2.00**	**1.90**	**0.810 J**	**5.60**	**2.20**	**2.10**	**2.70**	**3.50**	**3.40**
Perfluorobutanoic acid (PFBA)		< 3.60 U	**3.50 J**	**3.30 J**	**3.50 J**	**3.30 J**	**6.40**	**5.60**	< 4.50 U	**3.80 J**	**2.70 J**	**4.00 J**	< 3.80 U	**2.80 J**	**3.00 J**	**16.0**	**6.00**	**7.10**	**3.60 J**	**7.90**	**7.30**
Perfluorodecanesulfonic acid (PFDS)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
Perfluorodecanoic acid (PFDA)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	**0.260 J**	**0.410 J**	**0.280 J**	**0.780 J**	**0.960 J**	**1.10 J**	**1.00**	**0.670 J**	**2.40**	**0.530 J**	**0.380 J**	**0.650 J**	**0.240 J**	**1.00**	**0.970**
Perfluorododecane sulfonate (PFDoDS)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
Perfluorododecanoic acid (PFDoA)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	**0.690 J**	< 1.10 U	**0.220 J**	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	**0.240 J**	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
Perfluoroheptanesulfonic acid (PFHpS)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
Perfluoroheptanoic acid (PFHpA)		< 0.890 U	**2.00**	**1.80**	**2.30**	**2.10**	**5.10**	**4.60**	**1.90**	**2.60**	**1.60**	**2.50**	**2.20**	**3.00**	**5.40**	**5.80**	**2.40**	**3.10**	**3.30**	**3.90**	**3.00**
Perfluorohexanesulfonic acid (PFHxS)		**1.10 J+**	**11.0**	**7.10**	**12.0**	**11.0**	**5.90**	**7.60**	**3.00**	**10.0**	**3.00**	**4.80**	**4.30 J+**	**6.20 J+**	**14.0**	**12.0**	**14.0 J+**	**7.20 J+**	**7.00 J+**	**5.00 J+**	**2.50**
Perfluorohexanoic acid (PFHxA)		< 0.890 U	**3.90**	**3.30**	**5.60**	**4.00**	**13.0**	**9.90**	**3.80**	**4.40**	**4.50**	**6.50**	**3.80**	**6.40**	**6.80**	**14.0**	**6.90**	**7.60**	**8.10**	**8.90**	**27.0**
Perfluorononane sulfonic acid (PFNS)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
Perfluorononanoic acid (PFNA)		**1.00**	**0.200 J**	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.10 U	**1.10**	**0.440 J**	**2.80**	**0.340 J**	**0.400 J**	**1.00**	< 1.10 U	**0.380 J**	**0.550 J**	**0.220 J**	**1.50**	**0.550 J**
Perfluorooctane Sulfonamide (PFOSA)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	**0.380 J**	< 1.10 U	< 1.10 U	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
Perfluorooctanesulfonic acid (PFOS)	2.7	< 0.890 U	**2.20**	**2.20**	**2.80**	**3.10**	**2.20**	**4.40**	**2.10 J**	**2.10**	**1.10**	**1.20 J**	**1.40**	**2.90**	**1.90**	**1.00 J**	**2.40**	**1.90**	**2.00**	**2.00**	**3.00**
Perfluorooctanoic acid (PFOA)	6.7	**0.800 J**	**4.70**	**10.0**	**5.00**	**5.00**	**13.0**	**10.0**	**5.40**	**6.30**	**3.80**	**5.80**	**4.50**	**7.90**	**20.0**	**6.30**	**4.40**	**6.50**	**6.60**	**7.50**	**8.00**
Perfluoropentane sulfonate (PFPeS)		< 0.890 U	**0.920 J**	**0.780 J**	**0.890 J**	**1.10**	**0.730 J**	**0.820 J**	**0.660 J**	**0.950 J**	**0.650 J**	**0.830 J**	**0.480 J**	**0.900 J**	**0.690 J**	**2.10**	**0.930 J**	**1.00 J**	**1.00 J**	**0.920 J**	**0.570 J**
Perfluoropentanoic acid (PFPeA)		< 1.80 U	**3.00**	**2.50**	**5.00 J+**	**3.10**	**12.0**	**11.0**	**4.00**	**3.80**	**4.40**	**6.90**	**3.90**	**6.60**	**6.40**	**17.0**	**10.0**	**9.60**	**6.90**	**11.0**	**19.0**
Perfluorotetradecanoic acid (PFTeDA)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
Perfluorotridecanoic acid (PFTrDA)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	**0.400 J**	< 1.10 U	< 1.00 U	< 0.970 U	< 1.10 U	< 0.960 U	< 1.10 U	< 1.00 U	< 1.10 U	< 1.10 U	< 1.00 U	< 1.00 U	< 0.990 U	< 0.940 U
Perfluoroundecanoic acid (PFUnA)		< 0.890 U	< 0.920 U	< 0.960 U	< 1.00 U	< 1.00 U	< 1.10 U	**0.980 J**	**0.300 J**	**0.890 J**	**0.850 J**	**0.520 J**	**0.270 J**	**0.600 J**	**0.400 J**	**0.260 J**	**0.420 J**	**0.410 J**	**0.410 J**	**0.470 J**	< 0.940 U
Semivolatile Organic Compounds (SVOCs) (µg/l)																					
1,4-Dioxane	0.35	**0.460 U**	**0.110 J**	**0.100 J**	**0.0690 J**	**0.0950 J**	**0.160 J**	**0.170 J**	**0.830**	**0.190 U**	**0.580 U**	**0.530 U**	< 0.200 U	**0.380**	**0.720 U**	**0.110 J**	**0.0730 J**	**0.330**	**0.290**	**0.240**	< 0.190 U
TOC (ug/l)																					
Total Organic Carbon		< 1000 U	**870 J**	**1100**	**960 J**	**1100**	**4000**	**730 J**	**610 J**	**760 U**	< 1000 U	< 1000 U	**620 J-**	**630 J-**	**880 U**	< 1000 U	**1700 J-**	**890 J-**	**1100 J-**	**730 J-**	**740 J**

Table 4
Comprehensive Groundwater Sampling Results
March-April 2024
Lawrence Aviation Industries
Port Jefferson Station, New York

	ID:	ERT-MW-6B	IW-ISCO-10	LAI-EW01	LAI-EW02	LAI-EW03	MPW-01A	MPW-01B	MPW-01C	MPW-02B	MPW-02C	MPW-02D	MPW-03B	MPW-03C	MPW-03D	MPW-04A	MPW-04B	MPW-04C	MPW-04D	MPW-04E	MPW-05A
	Sample ID:	ERT-MW-6B	IW-ISCO-10	LAI-EW-1	LAI-EW-2	LAI-EW-3	MPW-01A	MPW-01B	MPW-01C	MPW-02B	MPW-02C	MPW-02D	MPW-03B	MPW-03C	MPW-03D	MPW-04A	MPW-04B	MPW-04C	MPW-04D	MPW-04E	MPW-05A
	Date Collected:	03/27/2024	04/08/2024	03/28/2024	03/28/2024	03/28/2024	04/01/2024	04/01/2024	04/01/2024	04/05/2024	04/05/2024	04/05/2024	04/04/2024	04/04/2024	04/04/2024	04/02/2024	04/03/2024	04/03/2024	04/03/2024	04/03/2024	04/08/2024
	Lab Report Number:	24C3451	24D1463	24C3437	24C3437	24C3437	24D0341	24D0341	24D0341	24D0932	24D0932	24D0932	24D0681	24D0681	24D0932	24D0341	24D0681	24D0681	24D0681	24D0681	24D1463
	Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYDEC Class GA Criteria																				
Volatile Organic Compounds (VOCs) (µg/l)																					
1,1,1,2-Tetrachloroethane	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,1-Trichloroethane	5	**0.410 U**	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	**0.410 J**	< 0.500 U	**0.270 U**	**0.220 U**	< 0.500 U	< 0.500 U	**0.260 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2,2-Tetrachloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2-Trichloroethane	1	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	5	NA	NA	< 1.00 U	< 1.00 U	< 2.00 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	**0.660 U**	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	**1.00**	< 0.500 U	**0.710 U**	**0.540 U**	< 0.500 U	**0.220 J**	**0.600 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1-Dichloroethene	5	**0.240 U**	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	**0.280 J**	< 0.500 U	**0.220 U**	**0.130 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1-Dichloropropylene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,3-Trichlorobenzene	5	< 0.500 U	< 0.500 U	< 5.00 U	< 5.00 U	< 10.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,3-Trichloropropane	0.04	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	**0.360 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,4-Trichlorobenzene	5	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,4-Trimethylbenzene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	< 5.00 U	< 5.00 U	< 10.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB) (ethylene dibromide)	0.0006	NA	NA	< 0.500 U	< 0.500 U	< 1.00 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dichloroethane	0.6	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dichloropropane	1	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3,5-Trichlorobenzene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3,5-trimethyl-benzene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichlorobenzene	3	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichloropropane	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichloropropene	0.4	< 1.00 U	< 1.00 U	NA	NA	NA	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
1,4-Dichlorobenzene	3	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,4-Dioxane	0.35	NA	NA	< 50.0 U	< 50.0 U	< 100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
2-Butanone (MEK)	50	NA	NA	< 20.0 U	< 20.0 U	< 40.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
2-Hexanone (Methyl butyl ketone/MBK)	50	NA	NA	< 10.0 U	< 10.0 U	< 20.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
4-Isopropyltoluene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Acetone	50	NA	NA	< 50.0 U	< 50.0 U	< 100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromobenzene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromochloromethane	5	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromodichloromethane	50	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromoform	50	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromomethane	5	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Carbon disulfide	60	NA	NA	< 5.00 U	< 5.00 U	< 10.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	< 0.500 U	< 0.500 U	< 5.00 U	< 5.00 U	< 10.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chlorobenzene	5	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chloroethane	5	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chloroform	7	**0.350 U**	< 0.500 U	< 2.00 U	**0.350 J**	< 4.00 U	< 0.500 U	< 0.500 U	**0.650 J+**	< 0.500 U	**0.710 U**	**0.790 U**	**0.190 J**	**0.430 J**	**0.330 U**	< 0.500 U	**0.220 J**	< 0.500 U	**0.560**	**0.520**	**1.30**
Chloromethane	5	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
cis-1,2-Dichloroethene	5	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.180 J**	**0.600**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
cis-1,3-Dichloropropene	0.4	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Cyclohexane		NA	NA	< 5.00 U	< 5.00 U	< 10.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Dibromomethane	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Dichlorodifluoromethane	5	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Ethylbenzene	5	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Hexachloro-1,3-butadiene	0.5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Isopropylbenzene		< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
m,p-Xylene		< 1.00 U	< 1.00 U	NA	NA	NA	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
Methyl acetate		NA	NA	< 1.00 U	< 1.00 U	< 2.00 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone (MIBK)		NA	NA	< 10.0 U	< 10.0 U	< 20.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane		NA	NA	< 1.00 UJ	< 1.00 UJ	< 2.00 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	< 0.500 U	< 0.500 U	< 5.00 U	< 5.00 U	< 10.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Methyltertbutyl ether	10	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.150 U**	**0.190 U**	< 0.500 U	**0.210 J**	**0.380 U**	< 0.500 U	< 0.500 U	< 0.500 U	**0.230 J**	**0.160 J**	< 0.500 U
Naphthalene	10	< 1.00 U	< 1.00 U	NA	NA	NA	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
n-Butylbenzene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
n-Propylbenzene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
o-Xylene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
sec-Butylbenzene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Styrene	5	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
tert-Butylbenzene	5	< 0.500 U	< 0.500 U	NA	NA	NA	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Tetrachloroethene	5	**0.180 U**	**0.520**	**3.10**	**3.20**	**4.10 D**	< 0.500 U	< 0.500 U	**0.280 J**	< 0.500 U	**0.180 U**	**0.330 U**	**0.360 J**	**0.160 J**	**0.410 U**	**2.00**	**2.80**	< 0.500 U	**0.200 J**	**0.530**	< 0.500 U
Tetrahydrofuran	50	< 2.00 U	< 2.00 U	NA	NA	NA	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U
Toluene	5	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Total Xylenes		< 1.50 U	< 1.50 U	< 1.00 U	< 1.00 U	< 2.00 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U
trans-1,2-Dichloroethene	5	< 0.500 U	< 0.500 U	< 1.00 U	< 1.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
trans-1,3-Dichloropropene	0.4	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 1.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Trichloroethene	5	**4.00 U**	**13.0**	**97.0**	**41.0**	**170 D**	< 0.500 U	< 0.500 U	**0.450 J**	**0.160 U**	**1.40 U**	**0.190 U**	**2.60**	**0.600**	**1.40 U**	**3.00**	**5.40**	< 0.500 U	**0.180 J**	**0.540**	< 0.500 U
Trichlorofluoromethane	5	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Vinyl chloride	2	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 4.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than NYSDEC Class GA Criteria
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
µg/l = micrograms per liter
NA = Not Analyzed
NP = not promulgated/ no applicable cleanup criteria
NYSDEC = New York State Department of Environmental Conservation
R = Data are rejected and not usable of any purpose

Table 4
Comprehensive Groundwater Sampling Results
March-April 2024
Lawrence Aviation Industries
Port Jefferson Station, New York

ID:		MPW-05B	MPW-05C	MPW-05D	MPW-06A	MPW-06B	MPW-06D	MPW-08A	MPW-08A	MPW-08B	MPW-08C	MPW-08D	MPW-08E	MPW-09A	MPW-09B	MPW-09C	MPW-09D	MPW-09E	MPW-10A	MPW-10B	MPW-10C
Sample ID:		MPW-05B	MPW-05C	MPW-05D	MPW-06A	MPW-06B	MPW-06D	MPW-08A	MPW-08ADUP	MPW-08B	MPW-08C	MPW-08D	MPW-08E	MPW-09A	MPW-09B	MPW-09C	MPW-09D	MPW-09E	MPW-10A	MPW-10B	MPW-10C
Date Collected:		04/09/2024	04/08/2024	04/08/2024	04/02/2024	04/02/2024	04/02/2024	03/26/2024	03/26/2024	03/26/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	04/09/2024	04/09/2024	04/09/2024
Lab Report Number:		24D1463	24D1463	24D1463	24D0341	24D0341	24D0341	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24D1463	24D1463	24D1463
Sample Type:		N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYDEC Class GA Criteria																				
Anions (µg/l)																					
Chloride	250000	**60000 D**	**37000**	**28000**	**100000 D**	**22000**	**15000**	**61000 U**	**62000 U**	**61000 U**	**38000 U**	**21000 U**	**16000 U**	**19000 U**	**25000 U**	**29000 U**	**24000 U**	**7900 U**	**34000**	**35000**	**43000**
Fluorides	1500	**200**	< 100 U	< 100 U	< 100 U	< 100 U	**66.0 J**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**960**	**1000**
Sulfate	250000	**20000**	**27000**	**25000**	**28000**	**34000**	**7800**	**23000 U**	**23000 U**	**22000 U**	**17000 U**	**13000 U**	**9200 U**	**17000 U**	**31000 U**	**20000 U**	**7400 U**	**4200 U**	**34000**	**28000**	**26000**
GenChem (µg/l)																					
Alkalinity, Bicarbonate (As CaCO3)		**110000**	**64000**	**49000**	**72000**	NA	**73000**	NA	NA	NA	**27000 U**	**38000 U**	**44000 U**	**26000 U**	**74000 U**	**220000 U**	**110000 U**	**32000 U**	**100000**	**43000**	**33000**
Alkalinity, Carbonate (As CaCO3)		NA	NA	NA	NA	**16000**	NA	**14000 U**	**14000 U**	**16000 U**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	2000	**2400**	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U
Nitrogen, Kjeldahl, Total		**2800**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**1100 U**	< 1000 U	**1100 U**	**1100 U**	< 1000 U	< 1000 U	**22000**	< 1000 U	< 1000 U
pH		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids		**170000**	**130000**	**110000**	**260000**	**70000**	**120000**	**170000 U**	**190000 U**	**150000 U**	**140000 U**	**120000 U**	**100000 U**	**88000 U**	**160000 U**	**330000 U**	**200000 U**	**80000 U**	**150000**	**130000**	**150000**
Total Suspended Solids		< 2500 U	< 2500 U	**52000**	**2900**	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U
Total Metals (mg/l)																					
Aluminum		< 50.0 U	**26.0 J**	**1300**	**23.0 J**	< 50.0 U	**21.0 J**	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	**36.0 U**	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Antimony	3	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Arsenic	25	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Barium	1000	**72.0**	**87.0**	**92.0**	**68.0**	**31.0 J**	< 50.0 U	**89.0 U**	**89.0 U**	**100 U**	**50.0 U**	**28.0 U**	**14.0 U**	**64.0 U**	**150 U**	**370 U**	**120 U**	**22.0 U**	**81.0**	**67.0**	**130**
Beryllium	3	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U
Cadmium	5	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U
Calcium		**27000**	**25000**	**22000**	**59000**	**11000**	**23000**	**13000 U**	**13000 U**	**14000 U**	**15000 U**	**16000 U**	**16000 U**	**12000 U**	**24000 U**	**32000 U**	**20000 U**	**10000 U**	**23000**	**17000**	**19000**
Chromium	50	**9.30 J**	< 10.0 U	**19.0**	**35.0**	**17.0**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Cobalt		**3.70 J**	< 10.0 U	< 10.0 U	**35.0**	**3.80 J**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**4.20 U**	< 10.0 U	< 10.0 U	**6.10 J**	< 10.0 U	< 10.0 U
Copper	200	< 10.0 U	< 10.0 U	< 10.0 U	**8.30 JB**	**5.80 JB**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Iron	300	**620**	**65.0**	**5200**	**7400**	**1600**	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	**140 U**	< 50.0 U	< 50.0 U	**64.0**	< 50.0 U	< 50.0 U
Lead	25	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Magnesium	35000	**13000**	**12000**	**10000**	**6100**	**5000**	**7000**	**8300 U**	**8300 U**	**8600 U**	**7000 U**	**5600 U**	**6300 U**	**5500 U**	**13000 U**	**13000 U**	**8100 U**	**3800 U**	**12000**	**8600**	**9800**
Manganese	300	**220**	**4.70 J**	**24.0**	**700**	**250**	< 10.0 U	**3.30 U**	**3.50 U**	**3.50 U**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**5.90 U**	**80.0 U**	< 10.0 U	< 10.0 U	**98.0**	< 10.0 U	< 10.0 U
Mercury	0.7	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U
Nickel	100	**3.10 J**	< 10.0 U	**5.50 J**	**3800**	**140**	< 10.0 U	**4.80 U**	**5.20 U**	**5.30 U**	< 10.0 U	< 10.0 U	< 10.0 U	**4.90 U**	< 10.0 U	**17.0 U**	< 10.0 U	< 10.0 U	**35.0**	< 10.0 U	< 10.0 U
Potassium		**9600**	**1500 J**	**1400 J**	**1400 J**	**1000 J**	**1500 J**	**2100 U**	**2100 U**	**1900 U**	**1600 U**	**1400 U**	**1200 U**	**1100 U**	**7300 U**	**47000 U**	**43000 U**	**1000 U**	**26000**	**21000**	**14000**
Selenium	10	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Silver	50	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	20000	**29000**	**21000**	**20000**	**30000**	**14000**	**11000**	**34000 U**	**35000 U**	**36000 U**	**22000 U**	**14000 U**	**11000 U**	**13000 U**	**18000 U**	**42000 U**	**18000 U**	**7000 U**	**23000**	**25000**	**26000**
Thallium	0.5	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Vanadium		< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Zinc	2000	< 10.0 U	< 10.0 U	**12.0**	**6.20 J**	**45.0**	< 10.0 U	< 10.0 U	< 10.0 U	**4.10 U**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**17.0 U**	**5.30 U**	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
PFAS Compounds (mg/l)																					
Total Suspended Solids		< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U
PFAS Compounds (ng/l)																					
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (F53B		< 3.70 U	< 3.70 U	< 4.00 U	< 4.10 U	< 4.10 U	< 4.00 U	< 4.40 U	< 4.60 U	< 4.20 U	< 4.30 U	< 3.80 U	< 3.70 U	< 4.20 U	< 4.20 U	< 4.20 U	< 4.20 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)		< 3.70 U	< 3.70 U	< 4.00 U	< 4.10 U	< 4.10 U	< 4.00 U	< 4.40 U	< 4.60 U	< 4.20 U	< 4.30 U	< 3.80 U	< 3.70 U	< 4.20 U	< 4.20 U	< 4.20 U	< 4.20 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)		< 3.70 U	< 3.70 U	< 4.00 U	< 4.10 U	< 4.10 U	< 4.00 U	< 4.40 U	< 4.60 U	< 4.20 U	< 4.30 U	< 3.80 U	< 3.70 U	< 4.20 U	< 4.20 U	< 4.20 U	< 4.20 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U
1H,1H,2H,2H-Perfluorodecanessulfonic acid (8:2 FTS)		< 3.70 U	< 3.70 U	< 4.00 U	< 4.10 U	< 4.10 U	< 4.00 U	< 4.40 U	< 4.60 U	< 4.20 U	< 4.30 U	< 3.80 U	< 3.70 U	< 4.20 U	< 4.20 U	< 4.20 U	< 4.20 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U
3:3FTCA		< 9.30 U	< 9.20 U	< 10.0 U	< 10.0 U	< 10.0 U	< 9.90 U	< 11.0 U	< 11.0 U	< 11.0 U	< 11.0 U	< 9.60 U	< 9.10 U	< 11.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 9.50 U	< 9.10 U	< 9.50 U	< 9.60 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		< 3.70 U	< 3.70 U	< 4.00 U	< 4.10 U	< 4.10 U	< 4.00 U	< 4.40 U	< 4.60 U	< 4.20 U	< 4.30 U	< 3.80 U	< 3.70 U	< 4.20 U	< 4.20 U	< 4.20 U	< 4.20 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U
5:3FTCA		< 47.0 U	< 46.0 U	< 50.0 U	< 51.0 U	< 51.0 U	< 49.0 U	< 56.0 U	< 57.0 U	< 53.0 U	< 53.0 U	< 48.0 U	< 46.0 U	< 53.0 U	< 52.0 U	< 52.0 U	< 52.0 U	< 48.0 U	< 46.0 U	< 47.0 U	< 48.0 U
7:3FTCA		< 47.0 U	< 46.0 U	< 50.0 U	< 51.0 U	< 51.0 U	< 49.0 U	< 56.0 U	< 57.0 U	< 53.0 U	< 53.0 U	< 48.0 U	< 46.0 U	< 53.0 U	< 52.0 U	< 52.0 U	< 52.0 U	< 48.0 U	< 46.0 U	< 47.0 U	< 48.0 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (F53B		< 3.70 U	< 3.70 U	< 4.00 U	< 4.10 U	< 4.10 U	< 4.00 U	< 4.40 U	< 4.60 U	< 4.20 U	< 4.30 U	< 3.80 U	< 3.70 U	< 4.20 U	< 4.20 U	< 4.20 U	< 4.20 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)		< 3.70 U	< 3.70 U	< 4.00 U	< 4.10 U	< 4.10 U	< 4.00 U	< 4.40 U	< 4.60 U	< 4.20 U	< 4.30 U	< 3.80 U	< 3.70 U	< 4.20 U	< 4.20 U	< 4.20 U	< 4.20 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)		< 0.930 U	< 0.920 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		< 0.930 U	< 0.920 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		< 9.30 U	< 9.20 U	< 10.0 U	< 10.0 U	< 10.0 U	< 9.90 U	< 11.0 U	< 11.0 U	< 11.0 U	< 11.0 U	< 9.60 U	< 9.10 U	< 11.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 9.50 U	< 9.10 U	< 9.50 U	< 9.60 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)		< 0.930 U	< 0.920 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		< 0.930 U	< 0.920 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		< 9.30 U	< 9.20 U	< 10.0 U	< 10.0 U	< 10.0 U	< 9.90 U	< 11.0 U	< 11.0 U	< 11.0 U	< 11.0 U	< 9.60 U	< 9.10 U	< 11.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 9.50 U	< 9.10 U	< 9.50 U	< 9.60 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		< 1.90 U	< 1.80 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.20 U	< 2.30 U	< 2.10 U	< 2.10 U	< 1.90 U	< 1.80 U	< 2.10 U	< 2.10 U	< 2.10 U	< 2.10 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		< 1.90 U	< 1.80 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.20 U	< 2.30 U	< 2.10 U	< 2.10 U	< 1.90 U	< 1.80 U	< 2.10 U	< 2.10 U	< 2.10 U	< 2.10 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U
Perfluoro-3-methoxypropanoic acid (PFMPA)		< 1.90 U	< 1.80 U	**2.80**	< 2.00 U	< 2.00 U	< 2.00 U	< 2.20 U	< 2.30 U	< 2.10 U	< 2.10 U	< 1.90 U	< 1.80 U	< 2.10 U	< 2.10 U	< 2.10 U	< 2.10 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U
Perfluoro-4-methoxybutanoic acid (PFMBA)		< 1.90 U	< 1.80 U	**0.720 J**	< 2.00 U	< 2.00 U	< 2.00 U	< 2.20 U	< 2.30 U	< 2.10 U	< 2.10 U	< 1.90 U	< 1.80 U	< 2.10 U	< 2.10 U	< 2.10 U	< 2.10 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U
Perfluorobutanesulfonic acid (PFBS)		**5.70**	**1.00**	**0.950 J**	**5.00**	**2.50**	**0.430 J**	**3.00**	**3.10**	**2.70**	**2.70**	**1.10**	< 0.910 U	**0.650 J**	**1.10**	**2.40**	**1.40**	< 0.950 U	**3.50**	**2.50**	**3.40**
Perfluorobutanoic acid (PFBA)		**7.40**	**6.80**	**13.0**	**3.40 J**	< 4.10 U	< 4.00 U	**4.90**	**5.20**	**4.30**	**3.40 J**	< 3.80 U	< 3.70 U	< 4.20 U	**4.20 J**	**7.20**	**2.50 J**	< 3.80 U	**9.10**	**4.00**	**3.70 J**
Perfluorodecanesulfonic acid (PFDS)		< 0.930 U	< 0.920 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
Perfluorodecanoic acid (PFDA)		**1.10**	**0.530 J**	**1.60**	**2.50**	**4.00**	**0.430 J**	< 1.10 U	< 1.10 U	**0.230 J**	< 1.10 U	**0.260 J**	**0.510 J**	< 1.10 U	< 1.00 U	**0.420 J**	< 1.00 U	< 0.950 U	**0.870 J**	**0.600 J**	**0.540 J**
Perfluorododecane sulfonate (PFDoDS)		< 0.930 U	< 0.920 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
Perfluorododecanoic acid (PFDoA)		**0.210 J**	**1.20**	**4.60**	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
Perfluoroheptanesulfonic acid (PFHpS)		< 0.930 U	< 0.920 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.990 U	**0.400 J**	**0.400 J**	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
Perfluoroheptanoic acid (PFHpA)		**7.70**	**3.20**	**3.80**	**3.10**	**3.30**	< 0.990 U	**2.90**	**3.10**	**2.80**	**1.20**	**0.300 J**	< 0.910 U	< 1.10 U	**2.10**	**2.70**	**0.730 J**	< 0.950 U	**3.40**	**3.10**	**3.20**
Perfluorohexanesulfonic acid (PFHxS)		**2.50**	**2.10**	**2.80**	**2.00**	**1.10**	**1.30**	**7.20 J+**	**7.70 J+**	**5.50 J+**	**2.40 J+**	**1.10 J+**	< 0.910 U	**1.60 J+**	**4.00 J+**	**4.30 J+**	**1.10 J+**	**0.270 J+**	**12.0**	**8.40**	**6.10**
Perfluorohexanoic acid (PFHxA)		**33.0**	**8.30**	**9.10**	**3.50**	**4.20**	**0.480 J**	**8.40**	**9.10**	**8.50**	**3.40**	**0.680 J**	< 0.910 U	**0.810 J**	**5.30**	**9.00**	**3.70**	< 0.950 U	**10.0**	**7.80**	**8.50**
Perfluorononane sulfonic acid (PFNS)		< 0.930 U	< 0.920 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
Perfluorononanoic acid (PFNA)		**0.830 J**	**0.300 J**	**3.00**	< 1.00 U	< 1.00 U	< 0.990 U	**0.380 J**	**0.370 J**	**0.350 J**	**0.280 J**	**0.240 J**	**0.290 J**	< 1.10 U	< 1.00 U	**0.230 J**	< 1.00 U	< 0.950 U	**0.260 J**	**0.250 J**	**0.470 J**
Perfluorooctane Sulfonamide (PFOSA)		< 0.930 U	< 0.920 U	**0.280 J**	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	**0.310 J**	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
Perfluorooctanesulfonic acid (PFOS)	2.7	**0.660 J**	**0.480 J**	< 1.00 U	**1.90**	< 1.00 U	< 0.990 U	**7.80**	**7.90**	**8.30**	**3.00**	**0.650 J**	< 0.910 U	< 1.10 U	**0.680 J**	**4.10**	**0.640 J**	< 0.950 U	**1.20**	**1.60**	**1.30 J**
Perfluorooctanoic acid (PFOA)	6.7	**12.0**	**11.0**	**11.0**	**6.30**	**17.0**	**0.860 J**	**8.60**	**9.00**	**7.70**	**4.00**	**1.40**	**0.530 J**	**1.10**	**3.10**	**5.90**	**1.20**	**0.330 J**	**4.40**	**5.90**	**6.80**
Perfluoropentane sulfonate (PFPeS)		< 0.930 U	**0.510 J**	**0.660 J**	**0.350 J**	**0.390 J**	**0.380 J**	**0.720 J**	**0.760 J**	**0.640 J**	**0.360 J**	**0.330 J**	< 0.910 U	**0.620 J**	**0.690 J**	**0.980 J**	**0.870 J**	< 0.950 U	**1.50**	**1.00**	**1.10**
Perfluoropentanoic acid (PFPeA)		**17.0**	**11.0**	**16.0**	**4.20**	**5.40**	< 2.00 U	**8.40**	**9.00**	**8.60**	**3.40**	**0.820 J**	< 1.80 U	**0.580 J**	**5.40**	**9.10**	**4.10**	< 1.90 U	**11.0**	**7.20**	**7.30**
Perfluorotetradecanoic acid (PFTeDA)		< 0.930 U	< 0.920 U	**2.00**	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
Perfluorotridecanoic acid (PFTrDA)		< 0.930 U	< 0.920 U	**4.00**	< 1.00 U	< 1.00 U	< 0.990 U	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	< 0.960 U	< 0.910 U	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	< 0.910 U	< 0.950 U	< 0.960 U
Perfluoroundecanoic acid (PFUnA)		**1.30**	**3.20**	**7.50**	**0.240 J**	**0.360 J**	**0.720 J**	< 1.10 U	< 1.10 U	< 1.10 U	< 1.10 U	**0.260 J**	**0.620 J**	< 1.10 U	< 1.00 U	< 1.00 U	< 1.00 U	< 0.950 U	**0.460 J**	**0.470 J**	**0.520 J**
Semivolatile Organic Compounds (SVOCs) (µg/l)																					
1,4-Dioxane	0.35	< 0.190 U	< 0.190 U	**0.210**	**0.0680 J**	**0.110 J**	**0.450**	**0.0930 U**	**0.0860 U**	**0.0820 U**	**0.0950 U**	**0.180 U**	**0.560 U**	**0.100 U**	**0.120 U**	**0.220 U**	**0.730 U**	**0.260 U**	**0.210**	**0.190 J**	**0.280**
TOC (ug/l)																					
Total Organic Carbon		**6700**	< 1000 U	**660 J**	**760 J**	**740 J**	< 1000 U	**780 U**	**670 U**	**690 U**	**540 U**	< 1000 U	< 1000 U	**540 U**	**1400 U**	**2000 U**	**720 U**	< 1000 U	**2300**	**890 J**	**780 J**

Table 4
Comprehensive Groundwater Sampling Results
March-April 2024
Lawrence Aviation Industries
Port Jefferson Station, New York

	ID:	MPW-05B	MPW-05C	MPW-05D	MPW-06A	MPW-06B	MPW-06D	MPW-08A	MPW-08A	MPW-08B	MPW-08C	MPW-08D	MPW-08E	MPW-09A	MPW-09B	MPW-09C	MPW-09D	MPW-09E	MPW-10A	MPW-10B	MPW-10C
	Sample ID:	MPW-05B	MPW-05C	MPW-05D	MPW-06A	MPW-06B	MPW-06D	MPW-08A	MPW-08ADUP	MPW-08B	MPW-08C	MPW-08D	MPW-08E	MPW-09A	MPW-09B	MPW-09C	MPW-09D	MPW-09E	MPW-10A	MPW-10B	MPW-10C
	Date Collected:	04/09/2024	04/08/2024	04/08/2024	04/02/2024	04/02/2024	04/02/2024	03/26/2024	03/26/2024	03/26/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	04/09/2024	04/09/2024	04/09/2024
	Lab Report Number:	24D1463	24D1463	24D1463	24D0341	24D0341	24D0341	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24C3451	24D1463	24D1463	24D1463
	Sample Type:	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	NYDEC Class GA Criteria																				
Volatile Organic Compounds (VOCs) (µg/l)																					
1,1,1,2-Tetrachloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,1-Trichloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.460 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.590 U**	< 0.500 U	< 0.500 U	< 0.500 U	**0.500 U**	**0.210 U**	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2,2-Tetrachloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2-Trichloroethane	1	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.910**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.190 U**	**0.940 U**	< 0.500 U	< 0.500 U	**0.190 U**	**1.10 U**	**0.400 U**	< 0.500 U	< 0.500 U	< 0.500 U
1,1-Dichloroethene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.310 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.310 U**	< 0.500 U	< 0.500 U	< 0.500 U	**0.310 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1-Dichloropropylene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,3-Trichlorobenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,3-Trichloropropane	0.04	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.130 U**	**0.120 U**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,4-Trichlorobenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,4-Trimethylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB) (ethylene dibromide)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dichloroethane	0.6	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dichloropropane	1	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3,5-Trichlorobenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3,5-trimethyl-benzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichlorobenzene	3	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichloropropane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichloropropene	0.4	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
1,4-Dichlorobenzene	3	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,4-Dioxane	0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
2-Butanone (MEK)	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
2-Hexanone (Methyl butyl ketone/MBK)	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
4-Isopropyltoluene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromobenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromochloromethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromodichloromethane	50	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromoform	50	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromomethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Carbon disulfide	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chlorobenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chloroform	7	< 0.500 U	< 0.500 U	**0.260 J**	< 0.500 U	< 0.500 U	**0.470 J**	**0.640 U**	**0.610 U**	**0.500 U**	**0.410 U**	**0.410 U**	**0.360 U**	**0.270 U**	< 0.500 U	**0.270 U**	**0.480 U**	**0.280 U**	< 0.500 U	**0.450 J**	**0.600**
Chloromethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
cis-1,2-Dichloroethene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.720 U**	**1.00 U**	< 0.500 U	**0.160 J**	< 0.500 U	< 0.500 U
cis-1,3-Dichloropropene	0.4	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Cyclohexane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Dibromomethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Dichlorodifluoromethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Ethylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Hexachloro-1,3-butadiene	0.5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Isopropylbenzene		< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
m,p-Xylene		< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
Methyl acetate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone (MIBK)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Methyltertbutyl ether	10	< 0.500 U	**0.270 J**	**0.680**	**0.150 J**	**0.220 J**	**0.130 J**	< 0.500 U	**0.160 U**	**0.270 U**	**0.210 U**	**0.240 U**	< 0.500 U	**0.140 U**	**0.830 U**	**0.430 U**	**0.220 U**	< 0.500 U	< 0.500 U	**0.180 J**	**0.170 J**
Naphthalene	10	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
n-Butylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
n-Propylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
o-Xylene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
sec-Butylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Styrene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
tert-Butylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Tetrachloroethene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.350 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.210 U**	**2.70 U**	**12.0 U**	**4.20 U**	< 0.500 U	**1.50**	**1.20**	**0.840**
Tetrahydrofuran	50	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U
Toluene	5	< 0.500 U	< 0.500 U	**0.180 J**	< 0.500 U	**2.00**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Total Xylenes		< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U
trans-1,2-Dichloroethene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
trans-1,3-Dichloropropene	0.4	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Trichloroethene	5	< 0.500 U	< 0.500 U	**0.230 J**	< 0.500 U	**1.40**	**7.20**	< 0.500 U	**0.180 U**	**0.430 U**	**1.90 U**	**4.90 U**	**2.00 U**	**7.30 U**	**27.0 U**	**42.0 U**	**70.0 U**	**0.600 U**	**2.70**	**1.90**	**0.760**
Trichlorofluoromethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Vinyl chloride	2	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than NYSDEC Class GA Criteria
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
µg/l = micrograms per liter
NA = Not Analyzed
NP = not promulgated/ no applicable cleanup criteria
NYSDEC = New York State Department of Environmental Conservation
R = Data are rejected and not usable of any purpose

Table 4
Comprehensive Groundwater Sampling Results
March-April 2024
Lawrence Aviation Industries
Port Jefferson Station, New York

	ID:	MPW-10D	MW-05	MW-ISCO-5	MW-PD-11	MW-PD-12	MW-PD-13	MW-PD-14	MW-PD-15	MW-PD-16	MW-PD-16	MW-PD-17	PZ-01	PZ-04	PZ-05	PZ-07	SDW-1
	Sample ID:	MPW-10D	MW-05	MW-ISCO-5	MW-PD-11	MW-PD-12	MW-PD-13	MW-PD-14	MW-PD-15	MW-PD-16	MW-PD-16-DUP	MW-PD-17	PZ-01	PZ-04	PZ-05	PZ-07	SDW-1
	Date Collected:	04/09/2024	04/09/2024	04/08/2024	04/05/2024	04/03/2024	04/02/2024	04/03/2024	04/02/2024	04/03/2024	04/04/2024	04/02/2024	04/04/2024	04/04/2024	04/03/2024	04/04/2024	03/27/2024
	Lab Report Number:	24D1463	24D1463	24D1463	24D0932	24D0681	24D0341	24D0681	24D0341	24D0681	24D0681	24D0341	24D0681	24D0681	24D0681	24D0681	24C3451
	Sample Type:	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Parameter	NYDEC Class GA Criteria																
Anions (µg/l)																	
Chloride	250000	**49000**	**8600**	**18000**	**49000 U**	**21000**	**35000**	**73000 D**	**26000**	**27000 D**	**26000 D**	**46000**	**54000 D**	**19000**	**37000**	**12000**	**31000 U**
Fluorides	1500	**150**	< 100 U	**5000**	< 100 U	**9300 D**	< 100 U	< 100 U	< 100 U	**1200 D**	**1200 D**	< 100 U	< 100 U	**1700**	**900**	**68.0 J**	**150 U**
Sulfate	250000	**26000**	**15000**	**26000**	**21000 U**	**21000**	**19000**	**16000**	**18000**	**30000 D**	**29000 D**	**18000**	**13000**	**28000**	**19000**	**18000**	**13000 U**
GenChem (µg/l)																	
Alkalinity, Bicarbonate (As CaCO3)		NA	**31000**	**54000**	**22000 U**	**61000**	**41000**	**21000**	**51000**	NA	NA	**44000**	NA	**44000**	NA	**29000**	**200000 U**
Alkalinity, Carbonate (As CaCO3)		**18000**	NA	NA	NA	NA	NA	NA	NA	**14000**	**13000**	NA	**9500**	NA	**16000**	NA	NA
Ammonia	2000	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	**840**	**980**	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	**840 U**
Nitrogen, Kjeldahl, Total		< 1000 U	**1100**	< 1000 U	< 1000 U	**1700**	< 1000 U	**2200**	< 1000 U	**1100**	**1100**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**1100 U**
pH		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids		**100000**	**32000**	**100000**	**190000 U**	**180000**	**68000**	**180000**	**150000**	**150000**	**160000**	**160000**	**170000**	**170000**	**150000**	**88000**	**270000 U**
Total Suspended Solids		< 2500 U	**7600**	< 2500 U	**4200 U**	**11000**	**10000**	< 2500 U	**17000**	**22000**	**24000**	< 2500 U	**8300**	**2500**	**87000**	**44000**	**8200 U**
Total Metals (mg/l)																	
Aluminum		< 50.0 U	**96.0**	**330**	**45.0 U**	**2600**	< 50.0 U	**62.0**	**190**	**810**	**830**	< 50.0 U	**200**	**40.0 J**	**4400**	**430**	**30.0 U**
Antimony	3	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Arsenic	25	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**220 U**
Barium	1000	**70.0**	**21.0 J**	**29.0 J**	**91.0 U**	**46.0 J**	**92.0**	**70.0**	**120**	**140**	**140**	**140**	**71.0**	**53.0**	**88.0**	**23.0 J**	**30.0 U**
Beryllium	3	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	**1.60 J**	< 4.00 U	< 4.00 U	< 4.00 U	**3.60 J**	**3.60 J**	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U
Cadmium	5	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U	< 4.00 U
Calcium		**18000**	**9700**	**20000**	**17000 U**	**11000**	**15000**	**15000**	**21000**	**14000**	**14000**	**23000**	**11000**	**14000**	**14000**	**9400**	**63000 U**
Chromium	50	< 10.0 U	< 10.0 U	**14.0**	**80.0 U**	**200**	**880**	**590**	**130**	**110**	**120**	**100**	**15.0**	**19.0**	**140**	**32.0**	< 10.0 U
Cobalt		< 10.0 U	< 10.0 U	< 10.0 U	**3.10 U**	**3.30 J**	**2.50 J**	**42.0**	**1.80 J**	< 10.0 U	< 10.0 U	**1.80 J**	< 10.0 U	< 10.0 U	**6.40 J**	< 10.0 U	< 10.0 U
Copper	200	< 10.0 U	< 10.0 U	< 10.0 U	**23.0 U**	**6.80 J**	**16.0**	**63.0**	**9.60 J**	< 10.0 U	< 10.0 U	**10.0 J**	< 10.0 U	< 10.0 U	**21.0**	**18.0**	< 10.0 U
Iron	300	< 50.0 U	**210**	**150**	**480 U**	**870 J-**	**3600**	**640 J-**	**940**	**550 J-**	**570 J-**	**460**	**410 J-**	**68.0 J-**	**5000**	**800 J-**	**4800 U**
Lead	25	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U
Magnesium	35000	**9400**	**4200**	**9400**	**8800 U**	**5800**	**7300**	**3300**	**9900**	**6100**	**6200**	**8300**	**4000**	**7000**	**6400**	**4100**	**8500 U**
Manganese	300	**3.70 J**	**5.50 J**	**35.0**	**76.0 U**	**61.0**	**28.0**	**520**	**19.0**	**24.0**	**23.0**	**22.0**	**11.0**	< 10.0 U	**170**	**12.0**	**430 U**
Mercury	0.7	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U	< 0.200 U
Nickel	100	< 10.0 U	**4.70 J**	**6.40 J**	**160 U**	**210**	**64.0**	**2800**	**13.0**	**5.80 J**	**5.50 J**	**100**	**9.90 J**	**3.80 J**	**63.0**	**23.0**	< 10.0 U
Potassium		**8800**	**1000 J**	**8700**	**3500 U**	**36000**	**1400 J**	**8100**	**4800**	**8700**	**8800**	**1600 J**	**3600**	**9800**	**4800**	**2100**	**10000 U**
Selenium	10	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Silver	50	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**2.80 J**	< 10.0 U	< 10.0 U	< 10.0 U
Sodium	20000	**29000**	**5700**	**19000**	**26000 U**	**19000**	**25000**	**32000**	**22000**	**24000**	**24000**	**25000**	**32000 J-**	**19000**	**20000**	**10000**	**26000 U**
Thallium	0.5	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U
Vanadium		< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	< 10.0 U	**10.0**	< 10.0 U	< 10.0 U
Zinc	2000	< 10.0 U	< 10.0 U	**18.0**	**14.0 U**	**22.0**	**43.0 B**	**130**	**31.0 B**	**55.0**	**57.0**	< 10.0 U	**4.60 J**	< 10.0 U	**78.0**	**17.0**	< 10.0 U
PFAS Compounds (mg/l)																	
Total Suspended Solids		< 10000 U	**26000**	< 10000 U	< 10000 U	**24000**	< 10000 U	< 10000 U	< 10000 U	**16000**	**24000**	< 10000 U	< 10000 U	< 10000 U	**230000**	**48000**	< 10000 U
PFAS Compounds (ng/l)																	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (F53B		< 3.50 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.80 U	< 3.90 U	< 3.60 U	< 3.90 U	< 3.80 U	< 20.0 U	< 3.50 U	< 3.90 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)		< 3.50 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.80 U	< 3.90 U	< 3.60 U	< 3.90 U	< 3.80 U	< 20.0 U	< 3.50 U	< 3.90 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)		< 3.50 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.80 U	< 3.90 U	< 3.60 U	**9.20**	< 3.80 U	**20.0 J**	**25.0**	**12.0**
1H,1H,2H,2H-Perfluorodecanessulfonic acid (8:2 FTS)		< 3.50 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.80 U	< 3.90 U	< 3.60 U	< 3.90 U	< 3.80 U	< 20.0 U	< 3.50 U	< 3.90 U
3:3FTCA		< 8.80 U	< 9.40 U	< 9.40 U	< 9.00 U	< 9.50 U	< 9.60 U	< 9.50 U	< 9.60 U	< 9.60 U	< 9.70 U	< 8.90 U	< 9.70 U	< 9.50 U	< 51.0 U	< 8.90 U	< 9.70 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		< 3.50 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.80 U	< 3.90 U	< 3.60 U	< 3.90 U	< 3.80 U	< 20.0 U	< 3.50 U	< 3.90 U
5:3FTCA		< 44.0 U	< 47.0 U	< 47.0 U	< 45.0 U	< 47.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 49.0 U	< 44.0 U	< 49.0 U	< 48.0 U	< 250 U	< 44.0 U	< 49.0 U
7:3FTCA		< 44.0 U	< 47.0 U	< 47.0 U	< 45.0 U	< 47.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 48.0 U	< 49.0 U	< 44.0 U	< 49.0 U	< 48.0 U	< 250 U	< 44.0 U	< 49.0 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acd (F53B		< 3.50 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.80 U	< 3.90 U	< 3.60 U	< 3.90 U	< 3.80 U	< 20.0 U	< 3.50 U	< 3.90 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)		< 3.50 U	< 3.80 U	< 3.80 U	< 3.60 U	< 3.80 U	< 3.90 U	< 3.80 U	< 3.80 U	< 3.80 U	< 3.90 U	< 3.60 U	< 3.90 U	< 3.80 U	< 20.0 U	< 3.50 U	< 3.90 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	< 0.950 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	< 0.950 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		< 8.80 U	< 9.40 U	< 9.40 U	< 9.00 U	< 9.50 U	< 9.60 U	< 9.50 U	< 9.60 U	< 9.60 U	< 9.70 U	< 8.90 U	< 9.70 U	< 9.50 U	< 51.0 U	< 8.90 U	< 9.70 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	< 0.950 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	< 0.950 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		< 8.80 U	< 9.40 U	< 9.40 U	< 9.00 U	< 9.50 U	< 9.60 U	< 9.50 U	< 9.60 U	< 9.60 U	< 9.70 U	< 8.90 U	< 9.70 U	< 9.50 U	< 51.0 U	< 8.90 U	< 9.70 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		< 1.80 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U	< 10.0 U	< 1.80 U	< 1.90 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		< 1.80 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U	< 10.0 U	< 1.80 U	< 1.90 U
Perfluoro-3-methoxypropanoic acid (PFMPA)		< 1.80 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U	< 10.0 U	< 1.80 U	< 1.90 U
Perfluoro-4-methoxybutanoic acid (PFMBA)		< 1.80 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.90 U	< 1.80 U	< 1.90 U	< 1.90 U	< 10.0 U	< 1.80 U	< 1.90 U
Perfluorobutanesulfonic acid (PFBS)		**3.10**	**1.60**	**0.640 J**	**3.30**	**1.30**	**6.50**	**1.10**	**0.840 J**	**1.10**	**0.870 J**	**1.50**	**1.70**	**1.30**	**5.50**	**2.10**	**5.20**
Perfluorobutanoic acid (PFBA)		**4.10**	< 3.80 U	**2.90 J**	**4.60**	**3.70 J**	**3.60 J**	**9.50**	**3.40 J**	**2.40 J**	**2.80 J**	**3.10 J**	**2.20 J**	**3.60 J**	< 20.0 U	**3.70**	**8.40**
Perfluorodecanesulfonic acid (PFDS)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	< 0.950 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
Perfluorodecanoic acid (PFDA)		**0.520 J**	< 0.940 U	< 0.940 U	**0.260 J**	< 0.950 U	< 0.960 U	**1.30**	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	**4.00**
Perfluorododecane sulfonate (PFDoDS)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	< 0.950 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
Perfluorododecanoic acid (PFDoA)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	**0.930 J**	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
Perfluoroheptanesulfonic acid (PFHpS)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	< 0.950 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
Perfluoroheptanoic acid (PFHpA)		**3.60**	**0.790 J**	**0.740 J**	**3.60**	**1.30**	**1.10**	**2.70**	**1.50**	**2.30**	**2.30**	**1.40**	**1.40**	**1.90**	**6.00**	**1.70**	**4.50**
Perfluorohexanesulfonic acid (PFHxS)		**4.00**	**1.30**	**3.20**	**4.20**	**6.00 J+**	**1.00**	**5.50 J+**	**1.80**	**5.20 J+**	**5.20 J+**	**4.90**	**14.0 J+**	**7.00 J+**	< 5.10 U	**0.950 J+**	**3.10 J+**
Perfluorohexanoic acid (PFHxA)		**8.70**	**1.10**	**1.80**	**8.30**	**3.80**	**11.0**	**20.0**	**7.00**	**5.40**	**5.70**	**5.50**	**2.70**	**3.90**	**14.0**	**5.20**	**7.20**
Perfluorononane sulfonic acid (PFNS)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	< 0.950 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
Perfluorononanoic acid (PFNA)		**0.380 J**	< 0.940 U	< 0.940 U	**0.450 J**	< 0.950 U	< 0.960 U	**1.30**	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	**0.250 J**	**4.60**
Perfluorooctane Sulfonamide (PFOSA)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	< 0.950 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	**0.420 J**	< 0.970 U
Perfluorooctanesulfonic acid (PFOS)	2.7	**1.30**	**0.850 J**	**0.690 J**	**2.50**	**0.860 J**	< 0.960 U	**1.30**	**0.500 J**	**0.800 J**	**0.930 J**	**3.70**	**1.40**	**1.30 J**	< 5.10 U	**2.40**	**39.0**
Perfluorooctanoic acid (PFOA)	6.7	**7.10**	**2.20**	**1.20**	**6.90**	**2.60**	**2.40**	**3.10**	**2.50**	**3.80**	**3.60**	**2.00**	**5.80**	**3.80**	**6.70**	**3.20**	**12.0**
Perfluoropentane sulfonate (PFPeS)		**0.860 J**	**0.300 J**	**0.430 J**	**0.990**	**0.650 J**	**0.270 J**	**0.490 J**	**0.660 J**	**0.990**	**0.830 J**	**0.430 J**	< 0.970 U	**0.670 J**	< 5.10 U	< 0.890 U	**0.440 J**
Perfluoropentanoic acid (PFPeA)		**7.80**	**1.00 J**	**1.70 J**	**7.70**	**4.30**	**5.80**	**14.0**	**7.10**	**5.30**	**5.30**	**4.20**	**2.40**	**3.60**	**17.0**	**5.30**	**8.70**
Perfluorotetradecanoic acid (PFTeDA)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	< 0.950 U	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
Perfluorotridecanoic acid (PFTrDA)		< 0.880 U	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	**0.600 J**	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
Perfluoroundecanoic acid (PFUnA)		**0.490 J**	< 0.940 U	< 0.940 U	< 0.900 U	< 0.950 U	< 0.960 U	**2.20**	< 0.960 U	< 0.960 U	< 0.970 U	< 0.890 U	< 0.970 U	< 0.950 U	< 5.10 U	< 0.890 U	< 0.970 U
Semivolatile Organic Compounds (SVOCs) (µg/l)																	
1,4-Dioxane	0.35	**0.220**	< 0.200 U	< 0.200 U	**0.270 U**	**0.0920 J**	**0.0570 J**	**0.100 J**	**0.610**	**0.610**	**0.540**	**0.220**	< 0.190 U	**0.150 J**	< 0.190 U	< 0.190 U	< 0.190 U
TOC (ug/l)																	
Total Organic Carbon		**700 J**	**580 J**	**790 J**	**1200 U**	**1000 J-**	**640 J**	**1300 J-**	**610 J**	**920 J-**	**830 J-**	< 1000 U	**590 J-**	**880 J-**	**1300 J-**	**630 J-**	**5900 U**

Table 4
Comprehensive Groundwater Sampling Results
March-April 2024
Lawrence Aviation Industries
Port Jefferson Station, New York

	ID:	MPW-10D	MW-05	MW-ISCO-5	MW-PD-11	MW-PD-12	MW-PD-13	MW-PD-14	MW-PD-15	MW-PD-16	MW-PD-16	MW-PD-17	PZ-01	PZ-04	PZ-05	PZ-07	SDW-1
	Sample ID:	MPW-10D	MW-05	MW-ISCO-5	MW-PD-11	MW-PD-12	MW-PD-13	MW-PD-14	MW-PD-15	MW-PD-16	MW-PD-16-DUP	MW-PD-17	PZ-01	PZ-04	PZ-05	PZ-07	SDW-1
	Date Collected:	04/09/2024	04/09/2024	04/08/2024	04/05/2024	04/03/2024	04/02/2024	04/03/2024	04/02/2024	04/03/2024	04/04/2024	04/02/2024	04/04/2024	04/04/2024	04/03/2024	04/04/2024	03/27/2024
	Lab Report Number:	24D1463	24D1463	24D1463	24D0932	24D0681	24D0341	24D0681	24D0341	24D0681	24D0681	24D0341	24D0681	24D0681	24D0681	24D0681	24C3451
	Sample Type:	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N
Parameter	NYDEC Class GA Criteria																
Volatile Organic Compounds (VOCs) (µg/l)																	
1,1,1,2-Tetrachloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,1-Trichloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.580**	< 2.00 U	< 2.00 U	**0.420 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2,2-Tetrachloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2-Trichloroethane	1	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.830**	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1-Dichloroethene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.300 J**	< 2.00 U	< 2.00 U	**0.140 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1-Dichloropropylene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,3-Trichlorobenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,3-Trichloropropane	0.04	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,4-Trichlorobenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2,4-Trimethylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dibromo-3-chloropropane	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB) (ethylene dibromide)	0.0006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dichloroethane	0.6	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,2-Dichloropropane	1	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3,5-Trichlorobenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3,5-trimethyl-benzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichlorobenzene	3	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichloropropane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,3-Dichloropropene	0.4	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 4.00 U	< 4.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
1,4-Dichlorobenzene	3	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,4-Dioxane	0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
2-Butanone (MEK)	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
2-Hexanone (Methyl butyl ketone/MBK)	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
4-Isopropyltoluene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Acetone	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	1	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromobenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromochloromethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromodichloromethane	50	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromoform	50	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Bromomethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Carbon disulfide	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chlorobenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chloroethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Chloroform	7	**0.640**	< 0.500 U	< 0.500 U	**1.20 U**	< 0.500 U	**0.350 J**	**1.10**	**0.590**	< 2.00 U	< 2.00 U	**0.330 J**	**0.310 J**	< 0.500 U	**2.50**	< 0.500 U	< 0.500 U
Chloromethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
cis-1,2-Dichloroethene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.170 J**	< 0.500 U	< 2.00 U	**0.640 JD**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
cis-1,3-Dichloropropene	0.4	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Cyclohexane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	50	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Dibromomethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Dichlorodifluoromethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Ethylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Hexachloro-1,3-butadiene	0.5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Isopropylbenzene		< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
m,p-Xylene		< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 4.00 U	< 4.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
Methyl acetate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl isobutyl ketone (MIBK)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Methyltertbutyl ether	10	**0.170 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.210 J**	**0.250 J**	**0.600 JD**	**0.640 JD**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	**0.250 U**
Naphthalene	10	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 4.00 U	< 4.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
n-Butylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
n-Propylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
o-Xylene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
sec-Butylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Styrene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
tert-Butylbenzene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Tetrachloroethene	5	**0.280 J**	< 0.500 U	**0.450 J**	< 0.500 U	**3.60**	< 0.500 U	**1.50**	**2.90**	**4.40 D**	**4.60 D**	< 0.500 U	< 0.500 U	< 0.500 U	**0.900**	**2.00**	< 0.500 U
Tetrahydrofuran	50	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 8.00 U	< 8.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U	< 2.00 U
Toluene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Total Xylenes		< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 6.00 U	< 6.00 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U	< 1.50 U
trans-1,2-Dichloroethene	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
trans-1,3-Dichloropropene	0.4	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Trichloroethene	5	**0.300 J**	**0.190 J**	**16.0**	< 0.500 U	**96.0 D**	< 0.500 U	**75.0**	**2.80**	**250 D**	**260 D**	**0.180 J**	**0.220 J**	**0.180 J**	**4.30**	**16.0**	< 0.500 U
Trichlorofluoromethane	5	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Vinyl chloride	2	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 2.00 U	< 2.00 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than NYSDEC Class GA Criteria
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
µg/l = micrograms per liter
NA = Not Analyzed
NP = not promulgated/ no applicable cleanup criteria
NYSDEC = New York State Department of Environmental Conservation
R = Data are rejected and not usable of any purpose

Table 6
Surface Water Sample Data
March - April 2024
Lawrence Aviation Industries
Port Jefferson Station, New York

	ID:	SW-05	SW-06	SW-07	SW-08	SW-15	SW-15	SW-16
	Sample ID:	SW-05	SW-06	SW-07	SW-08	SW-15	SW-15-DUP	SW-16
	Date Collected:	03/25/2024	03/25/2024	03/25/2024	03/25/2024	03/25/2024	03/25/2024	03/25/2024
	Lab Report Number:	24C3017	24C3017	24C3017	24C3017	24C3017	24C3017	24C3017
	Sample Type:	N	N	N	N	N	FD	N
Parameter	NYDEC Class GA Criteria							
PFAS Compounds (mg/L)								
Total Suspended Solids	NE	< 10000 U	< 10000 U	< 10000 U	< 10000 U	**130000**	**86000**	**94000**
PFAS Compounds (ng/L)								
Perfluorobutanesulfonic acid (PFBS)	NE	**2.9**	**4.7**	**1.8**	**1.6**	< 5.00 U	**0.440 J**	**0.420 J**
Perfluorobutanoic acid (PFBA)	NE	**3.9**	**4.7**	**2.80 J**	**2.70 J**	< 20.0 U	< 3.90 U	< 3.90 U
Perfluoroheptanoic acid (PFHpA)	NE	**2.7**	**2.4**	**1.8**	**1.7**	< 5.00 U	**0.440 J**	**0.510 J**
Perfluorohexanesulfonic acid (PFHxS)	NE	**3.4**	**3.8**	**5.5**	**5.7**	< 5.00 U	**0.470 J**	**0.510 J**
Perfluorohexanoic acid (PFHxA)	NE	**8.2**	**8.9**	**5.2**	**4.8**	**1.30 J**	**0.98**	**1.1**
Perfluorononanoic acid (PFNA)	NE	< 0.970 U	< 1.00 U	< 1.00 U	< 0.980 U	< 5.00 U	< 0.980 U	**0.300 J**
Perfluorooctanesulfonic acid (PFOS)	2.7	**1.7**	**1.6**	**1.3**	**1.4**	< 5.00 U	**1**	**1.2**
Perfluorooctanoic acid (PFOA)	6.7	**6.8**	**5.6**	**3.9**	**3.8**	**1.80 J**	**0.880 J**	**1**
Perfluoropentane sulfonate (PFPeS)	NE	**0.750 J**	**0.950 J**	**0.740 J**	**0.840 J**	< 5.00 U	< 0.980 U	< 0.990 U
Perfluoropentanoic acid (PFPeA)	NE	**6.8**	**8.6**	**4.4**	**4.4**	< 10.0 U	**1.00 J**	**1.20 J**
Semivolatile Organic Compounds (SVOCs) (µg/L)								
1,4-Dioxane	0.35	**0.130 J**	**0.120 J**	**0.29**	**0.31**	< 0.200 U	< 0.190 U	< 0.190 U
Volatile Organic Compounds (VOCs) (µg/L)								
Chloroform	7	**0.6**	**0.71**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
cis-1,2-Dichloroethene	5	< 0.500 U	**1.1**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Methyltertbutyl ether	10	< 0.500 U	< 0.500 U	**0.170 J**	**0.180 J**	< 0.500 U	< 0.500 U	< 0.500 U
Tetrachloroethene	0.7	< 0.500 U	**0.190 J**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Trichloroethene	5	**1.6**	**5.9**	**1.3**	**1.2**	< 0.500 U	< 0.500 U	**1.4**

Legend

<1 Parameter not detcted above the laboratory reporting limit

1 Parameter reported at a concentrations greater than NYSDEC Class GA Criteria

1 Parameter reported above the laboratory reporting limit but below the appilicable regulatory standard/criterion

Notes

Only compounds detected above the laboratory reporting limits are presented

mg/L = milligrams per liter

µg/L = micrograms per liter

ng/L = nanograms per liter

NA = Not Analyzed

NE - No criteria established

NYSDEC = New York State Department of Environmental Conservation

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:	Part 375 Commercial	OUTFALL-01	SB-100	SB-100	SB-100R*	SB-100R	SB-100R	SB-100A	SB-100A	SB-100A	SB-100B*	SB-100B	SB-100B	SB-100C	SB-100C	SB-100C	SB-100D	SB-100D	SB-100E	SB-100E	SB-100F	SB-100G	SB-100H	SB-100H	SB-100I
Date Collected:		03/26/2024	03/11/2024	03/11/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/29/2024	04/29/2024	04/29/2024	04/29/2024	04/29/2024	04/30/2024	04/30/2024	04/30/2024	05/02/2024
Sample ID:		Outfall-01(0-1)	SB-100 (1.8-3)	SB-100 (4-5)	SB-100R (0-2)	SB-100R (2-4)	SB-100R (6-8)	SB-100A (0-2)	SB-100A (2-4)	SB-100A (6-8)	SB-100B (0-2)	SB-100B (2-4)	SB-100B (6-8)	SB-100C (0-2)	SB-100C (2-4)	SB-100C (6-8)	SB-100D (0-2)	SB-100D (2-4)	SB-100E (0-2)	SB-100E (2-4)	SB-100F (0-2)	SB-100G (0-2)	SB-100H (0-2)	DUP04302024(0-2)	SB-100I (0-2)
Laboratory Sample ID:		24C3013-24	24C1382-01	24C1382-02	24D0346-01	24D0346-02	24D0346-03	24D0346-04	24D0346-05	24D0346-06	24D0346-07	24D0346-08	24D0346-09	24D0346-10	24D0346-11	24D0346-12	24E0019-01	24E0019-02	24E0019-03	24E0019-04	24E0019-05	24E0019-06	24E0019-07	24E0019-08	24E0677-01
Volatile Organic Compounds (VOCs) (mg/kg)																									
2-Butanone (MEK)	500	< 0.033	< 0.024	< 0.035	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	500	< 0.082	< 0.061	**0.046 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	44	< 0.0016	< 0.0012	< 0.0018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	500	< 0.0016	< 0.0012	< 0.0018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane		< 0.016	< 0.012	< 0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene		< 0.0016	< 0.0012	< 0.0018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate		< 0.0016	< 0.0012	< 0.0018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane		< 0.0016	< 0.0012	< 0.0018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	500	< 0.016	< 0.012	< 0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	150	< 0.0016	< 0.0012	< 0.0018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	500	< 0.0016	< 0.0012	< 0.0018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	200	< 0.0016	< 0.0012	**0.0010 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane		< 0.0082	< 0.0061	< 0.0088	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds (SVOC) (mg/kg)																									
1,1'-Biphenyl		< 0.72	< 0.84	< 1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene		< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	500	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	500	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	5.6	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	1	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	5.6	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate		< 0.36	< 0.43	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzyl phthalate		< 0.36	< 0.43	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	56	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	350	< 0.36	< 0.43	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate		< 0.36	< 0.43	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	500	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	500	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	6	< 0.36	< 0.43	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	500	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	500	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	500	< 0.36	< 0.43	< 0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	500	< 0.18	< 0.21	< 0.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (mg/kg)																									
Aluminum		**3900**	**3900**	**8500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony		< 1.7	**24**	**1.2 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	16	< 3.4	**3.2 J**	**4.1 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	400	**9.5**	**19**	**40**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	590	**0.17 J**	**0.32**	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	9.3	< 0.34	**0.50**	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium		**350**	**570**	**2000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	1500	**7.7**	**17**	**48**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt		**2.7**	**2.0**	**0.95 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	270	**9.1**	**25**	**110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		**6500**	**6500**	**13000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	1000	**25**	**1100**	**280**	**410**	**200**	**270**	**53**	**31**	**70**	**240**	**2000**	**10**	**440**	**260**	**85**	**8.8**	**29**	**86**	**7**	**91**	**12**	**48**	**110**	**94**
Magnesium		**930**	**670**	**530**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	10000	**100**	**190**	**270**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2.8	**0.013 J**	**0.049**	**0.072**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	310	**7.4**	**21**	**60**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium		**240**	**270**	**1200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1500	< 3.4	**1.2 J**	< 5.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	1500	< 0.34	< 0.39	< 0.53	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium		< 170	< 200	**240 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium		< 1.7	**3.7**	**34**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium		**14**	**90**	**870**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	10000	**29**	**87**	**230**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCB) (mg/kg)																									
PCB, Total	1	NA	**0.4**	**0.71**	**1.64**	**0.91**	**0.56**	**0.161**	**0.193**	**0.1**	**3.23**	**1.76**	< 0.09	**0.55**	**0.204**	< 0.097	< 0.081	<0.083	<0.079	<0.087	<0.080	<0.086	<0.081	<0.081	**0.114**
PCB-1016	1	< 0.083	< 0.1	< 0.13	< 0.09	< 0.091	< 0.089	< 0.085	< 0.084	< 0.084	< 0.43	< 0.12	< 0.09	< 0.12	< 0.084	< 0.097	< 0.081	<0.083	<0.079	<0.087	<0.080	<0.086	<0.081	<0.081	<0.086
PCB-1242	1	< 0.083	< 0.1	< 0.13	< 0.09	< 0.091	< 0.089	< 0.085	< 0.084	< 0.084	< 0.43	< 0.12	< 0.09	< 0.12	< 0.084	< 0.097	< 0.081	<0.083	<0.079	<0.087	<0.080	<0.086	<0.081	<0.081	<0.086
PCB-1248	1	< 0.083	< 0.1	< 0.13	< 0.09	< 0.091	< 0.089	< 0.085	< 0.084	< 0.084	< 0.43	< 0.12	< 0.09	**0.18 D**	< 0.084	< 0.097	< 0.081	<0.083	<0.079	<0.087	<0.080	<0.086	<0.081	<0.081	<0.086
PCB-1254	1	< 0.083	**0.26 D**	**0.49 D**	**1.4 D**	**0.71 D**	**0.40 D**	**0.12 D**	**0.13 D**	**0.059 JD**	**2.7 D**	**1.4 D**	< 0.09	**0.27 D**	**0.14 D**	< 0.097	< 0.081	<0.083	<0.079	<0.087	**0.049 D**	<0.086	**0.18 D**	**0.24 D**	**0.055 D**
PCB-1260	1	< 0.083	**0.14 D**	**0.22 D**	**0.24 D**	**0.20 D**	**0.16 D**	**0.041 JD**	**0.063 JD**	**0.041 JD**	**0.53 D**	**0.36 D**	< 0.09	**0.10 JD**	**0.064 JD**	< 0.097	< 0.081	**0.043 D**	**0.023 D**	<0.087	**0.032 D**	<0.086	**0.042 D**	**0.055 D**	**0.059 D**
PCB-1268	1	< 0.083	< 0.1	< 0.13	< 0.09	< 0.091	< 0.089	< 0.085	< 0.084	< 0.084	< 0.43	< 0.12	< 0.09	< 0.12	< 0.084	< 0.097	< 0.081	<0.083	<0.079	<0.087	<0.080	<0.086	<0.081	<0.082	<0.086
PFAS Compounds (µg/kg)																									
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1 (shaded)	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:		SB-100I	SB-100J	SB-100J	SB-100K	SB-100K	SB-100L	SB-100L	SB-100M	SB-100M	PE-01	PE-02	PE-03	PE-04	PE-05	SB-101	SB-101	SB-102	SB-102	SB-103	SB-103	SB-104	SB-104	SB-105	SB-105
Date Collected:		05/02/2024	05/02/2024	05/02/2024	05/02/2024	05/02/2024	05/02/2024	05/02/2024	05/02/2024	05/02/2024	06/26/2024	06/26/2024	06/26/2024	06/26/2024	06/26/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024
Sample ID:	Part 375 Commercial	SB-100I (2-4)	SB-100J (0-2)	SB-100J (2-4)	SB-100K (0-2)	SB-100K (2-4)	SB-100L (0-2)	SB-100L (2-4)	SB-100M (0-2)	SB-100M (2-4)	PE-01 (0-1)	PE-02 (0-1)	PE-03 (0-1)	PE-04 (0-1)	PE-05 (1-2)	SB-101 (0.5-2)	SB-101 (3-5)	SB-102 (0.5-2)	SB-102 (3-5)	SB-103 (0.5-2)	SB-103 (3-5)	SB-104 (0.5-2)	SB-104 (8-10)	SB-105 (4-6)	SB-105 (13-15)
Laboratory Sample ID:		24E0677-02	24E0677-03	24E0677-04	24E0677-05	24E0677-06	24E0677-07	24E0677-08	24E0677-09	24E0677-10	24F3836-01	24F3836-02	24F3836-03	24F3836-04	24F3836-05	24C1382-03	24C1382-04	24C1382-05	24C1382-06	24C1382-07	24C1382-08	24C1382-09	24C1382-10	24C1383-01	24C1382-12
Volatile Organic Compounds (VOCs) (mg/kg)																									
2-Butanone (MEK)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.028	< 0.021	< 0.025	< 0.023	< 0.019	< 0.019	< 0.022	< 0.021	< 0.026	< 0.022
Acetone	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.069	< 0.053	< 0.063	< 0.058	< 0.047	< 0.049	< 0.056	< 0.052	< 0.066	< 0.056
Benzene	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0014	< 0.0011	< 0.0013	< 0.0012	< 0.00093	< 0.00097	< 0.0011	< 0.001	< 0.0013	< 0.0011
cis-1,2-Dichloroethene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0014	< 0.0011	< 0.0013	< 0.0012	< 0.00093	< 0.00097	< 0.0011	< 0.001	< 0.0013	< 0.0011
Dichlorodifluoromethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.014	< 0.011	< 0.013	< 0.012	< 0.0093	< 0.0097	< 0.011	< 0.01	< 0.013	< 0.011
Isopropylbenzene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0014	< 0.0011	< 0.0013	< 0.0012	< 0.00093	< 0.00097	< 0.0011	< 0.001	< 0.0013	< 0.0011
Methyl acetate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0014	< 0.0011	< 0.0013	< 0.0012	< 0.00093	< 0.00097	< 0.0011	**0.0064**	< 0.0013	< 0.0011
Methylcyclohexane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0014	< 0.0011	< 0.0013	< 0.0012	< 0.00093	< 0.00097	< 0.0011	< 0.001	< 0.0013	< 0.0011
Methylene chloride	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.014	< 0.011	< 0.013	< 0.012	< 0.0093	< 0.0097	< 0.011	< 0.01	< 0.013	< 0.011
Tetrachloroethene	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0014	< 0.0011	< 0.0013	< 0.0012	< 0.00093	< 0.00097	< 0.0011	< 0.001	**0.00066 J**	< 0.0011
Toluene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0014	< 0.0011	< 0.0013	< 0.0012	< 0.00093	< 0.00097	< 0.0011	< 0.001	< 0.0013	< 0.0011
Trichloroethene	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0014	< 0.0011	< 0.0013	< 0.0012	< 0.00093	< 0.00097	< 0.0011	< 0.001	< 0.0013	< 0.0011
Trichlorofluoromethane		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0069	< 0.0053	< 0.0063	< 0.0058	< 0.0047	< 0.0049	< 0.0056	< 0.0052	< 0.0066	< 0.0056
Semivolatile Organic Compounds (SVOC) (mg/kg)																									
1,1'-Biphenyl		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.72	< 0.74	< 0.68	< 0.68	< 0.71	< 0.76	< 0.72	< 0.76	< 0.72	< 0.71
2-Methylnaphthalene		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Acenaphthene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Anthracene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Benzo(a)anthracene	5.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Benzo(a)pyrene	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Benzo(b)fluoranthene	5.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Bis(2-ethylhexyl)phthalate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.38	< 0.36	< 0.38	< 0.36	< 0.36
Butylbenzyl phthalate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.38	< 0.36	< 0.38	< 0.36	< 0.36
Chrysene	56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Dibenzofuran	350	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.38	< 0.36	< 0.38	< 0.36	< 0.36
Dimethyl phthalate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.38	< 0.36	< 0.38	< 0.36	< 0.36
Fluoranthene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Fluorene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Hexachlorobenzene	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.38	< 0.36	< 0.38	< 0.36	< 0.36
Naphthalene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Phenanthrene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Phenol	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.38	< 0.36	< 0.38	< 0.36	< 0.36
Pyrene	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18
Metals (mg/kg)																									
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5400**	**5800**	**980**	**1300**	**3500**	**5500**	**6200**	**7300**	**7300**	**2300**
Antimony		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.8	< 1.8	< 1.7	< 1.7	< 1.8	< 1.8	< 1.8	< 1.9	< 1.8	< 1.7
Arsenic	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.2 J**	**1.9 J**	**0.57 J**	**0.82 J**	**1.6 J**	**3.3 J**	**2.6 J**	**2.3 J**	**3.2 J**	**1.3 J**
Barium	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**	**14**	**3.4**	**4.7**	**15**	**20**	**19**	**18**	**22**	**5.6**
Beryllium	590	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.22**	**0.23**	< 0.17	**0.084 J**	**0.20**	**0.30**	**0.29**	**0.28**	**0.32**	**0.13 J**
Cadmium	9.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	< 0.36	< 0.34	< 0.34	< 0.36	< 0.37	< 0.36	< 0.39	**0.27 J**	< 0.35
Calcium		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**140**	**54**	**36**	**42**	**410**	**490**	**230**	**220**	**870**	**90**
Chromium	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.2**	**7.3**	**2.6**	**2.7**	**5.2**	**9.5**	**8.9**	**8.9**	**10**	**3.6**
Cobalt		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.1**	**2.4**	**0.91 J**	**1.1 J**	**2.2**	**3.2**	**3.0**	**3.1**	**2.8**	**2.2**
Copper	270	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.3**	**3.8**	**2.5**	**3.3**	**5.1**	**7.9**	**6.3**	**5.7**	**10**	**3.3**
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6600**	**7000**	**2200**	**2800**	**5200**	**9100**	**8700**	**7800**	**11000**	**3800**
Lead	1000	**120**	**87**	**240**	**130**	**190**	**13**	**140**	**140**	**64**	**140**	**120**	**5.9**	**3.4**	**56**	**5.8**	**4.2**	**1.2**	**2.0**	**5.1**	**9.3**	**6.1**	**5.4**	**34**	**2.5**
Magnesium		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**830**	**770**	**210**	**320**	**870**	**1000**	**1000**	**960**	**1100**	**610**
Manganese	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**87**	**83**	**79**	**94**	**150**	**230**	**160**	**87**	**120**	**190**
Mercury	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.036**	**0.027**	**0.022 J**	**0.015 J**	**0.043**	< 0.026	**0.019 J**	**0.024 J**	**0.018 J**	< 0.025
Nickel	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.4**	**5.0**	**1.6**	**1.9**	**4.4**	**6.3**	**5.6**	**5.6**	**6.4**	**3.3**
Potassium		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**230**	**170 J**	**87 J**	**120 J**	**440**	**430**	**300**	**290**	**320**	**210**
Selenium	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.0 J**	**1.9 J**	< 3.4	**1.0 J**	**1.4 J**	**2.5 J**	**2.4 J**	**2.1 J**	**2.7 J**	**1.2 J**
Silver	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.36	< 0.36	< 0.34	< 0.34	< 0.36	< 0.37	< 0.36	< 0.39	< 0.35	< 0.35
Sodium		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 180	< 180	< 170	< 170	< 180	< 180	< 180	< 190	**52 J**	< 170
Thallium		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.8	< 1.8	< 1.7	< 1.7	< 1.8	< 1.8	< 1.8	< 1.9	< 1.8	< 1.7
Vanadium		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9.4**	**11**	**2.9**	**3.1**	**7.6**	**12**	**12**	**13**	**14**	**5.2**
Zinc	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	**12**	**3.2**	**4.6**	**12**	**17**	**14**	**11**	**75**	**7.6**
Polychlorinated Biphenyls (PCB) (mg/kg)																									
PCB, Total	1	**0.123**	**0.110**	**0.66**	**0.204**	**0.177**	**0.050**	**0.45**	**0.46**	**0.42**	**0.271**	**0.172**	<0.077	<0.079	**0.215**	< 0.084	< 0.082	< 0.076	< 0.078	**0.049**	**0.078**	< 0.082	< 0.087	**0.031**	< 0.079
PCB-1016	1	<0.088	<0.081	<0.086	<0.083	<0.082	<0.082	<0.081	<0.079	<0.079	<0.083	<0.082	<0.077	<0.079	<0.079	< 0.084	< 0.082	< 0.076	< 0.078	< 0.081	< 0.088	< 0.082	< 0.087	< 0.084	< 0.079
PCB-1242	1	<0.088	<0.081	<0.086	<0.083	<0.082	<0.082	<0.081	<0.079	<0.079	<0.083	<0.082	<0.077	<0.079	<0.079	< 0.084	< 0.082	< 0.076	< 0.078	< 0.081	< 0.088	< 0.082	< 0.087	< 0.084	< 0.079
PCB-1248	1	<0.088	<0.081	<0.086	<0.083	<0.082	<0.082	<0.081	<0.079	<0.079	<0.083	<0.082	<0.077	<0.079	<0.079	< 0.084	< 0.082	< 0.076	< 0.078	< 0.081	< 0.088	< 0.082	< 0.087	< 0.084	< 0.079
PCB-1254	1	**0.059 D**	**0.059 D**	**0.44 D**	**0.12 D**	**0.11 D**	**0.050 D**	**0.29 D**	**0.31 D**	**0.30 D**	**0.22 D**	**0.12 D**	<0.077	<0.079	**0.17 D**	< 0.084	< 0.082	< 0.076	< 0.078	**0.032 JD**	**0.041 JD**	< 0.082	< 0.087	< 0.084	< 0.079
PCB-1260	1	**0.064 D**	**0.051 D**	**0.22 D**	**0.084 D**	**0.067 D**	<0.082	**0.16 D**	**0.15 D**	**0.12 D**	**0.051 D**	**0.052 D**	<0.077	<0.079	**0.045 D**	< 0.084	< 0.082	< 0.076	< 0.078	**0.017 JD**	**0.037 JD**	< 0.082	< 0.087	**0.031 JD**	< 0.079
PCB-1268	1	<0.088	<0.081	<0.086	<0.083	<0.082	<0.082	<0.081	<0.079	<0.079	<0.083	<0.082	<0.077	<0.079	<0.079	< 0.084	< 0.082	< 0.076	< 0.078	< 0.081	< 0.088	< 0.082	< 0.087	< 0.084	< 0.079
PFAS Compounds (µg/kg)																									
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorododecanoic acid (PFDoA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluoroheptanoic acid (PFHpA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorohexanoic acid (PFHxA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorononane sulfonic acid (PFNS)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.090 J**	NA
Perfluorooctanoic acid (PFOA)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluoropentanoic acid (PFPeA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.39	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorotridecanoic acid (PFTrDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluoroundecanoic acid (PFUnA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:	Part 375 Commercial	SB-106	SB-106	SB-107	SB-107	SB-108	SB-108	SB-109	SB-109	SB-109	SB-110	SB-110
Date Collected:		03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024	03/11/2024
Sample ID:		SB-106 (4-6)	SB-106 (13-15)	SB-107 (1-3)	SB-107 (11-13)	SB-108 (1-3)	SB-108 (11-13)	DUP-01	SB-109 (2-4)	SB-109 (13-15)	SB-110 (2-4)	SB-110 (13-15)
Laboratory Sample ID:		24C1382-13	24C1382-14	24C1382-15	24C1382-16	24C1383-02	24C1382-18	24C1384-05	24C1382-19	24C1382-20	24C1384-01	24C1384-02
Volatile Organic Compounds (VOCs) (mg/kg)												
2-Butanone (MEK)	500	< 0.016	< 0.02	< 0.02	< 0.021	< 0.023	< 0.022	< 0.028	< 0.027	< 0.019	< 0.02	< 0.021
Acetone	500	< 0.041	< 0.051	< 0.049	< 0.053	< 0.057	< 0.056	< 0.069	< 0.067	< 0.048	< 0.049	< 0.053
Benzene	44	< 0.00082	< 0.001	< 0.00099	< 0.0011	< 0.0011	< 0.0011	< 0.0014	< 0.0013	< 0.00096	< 0.00099	< 0.0011
cis-1,2-Dichloroethene	500	< 0.00082	< 0.001	< 0.00099	< 0.0011	< 0.0011	< 0.0011	< 0.0014	< 0.0013	< 0.00096	< 0.00099	< 0.0011
Dichlorodifluoromethane		< 0.0082	< 0.01	< 0.0099	< 0.011	< 0.011	< 0.011	< 0.014	< 0.013	< 0.0096	< 0.0099	< 0.011
Isopropylbenzene		< 0.00082	< 0.001	< 0.00099	< 0.0011	< 0.0011	< 0.0011	< 0.0014	< 0.0013	< 0.00096	< 0.00099	< 0.0011
Methyl acetate		< 0.00082	< 0.001	< 0.00099	< 0.0011	< 0.0011	< 0.0011	< 0.0014	< 0.0013	< 0.00096	< 0.00099	< 0.0011
Methylcyclohexane		< 0.00082	< 0.001	< 0.00099	< 0.0011	< 0.0011	< 0.0011	< 0.0014	< 0.0013	< 0.00096	< 0.00099	< 0.0011
Methylene chloride	500	< 0.0082	< 0.01	< 0.0099	< 0.011	< 0.011	< 0.011	< 0.014	< 0.013	< 0.0096	< 0.0099	**0.00078 J**
Tetrachloroethene	150	**0.00053 J**	< 0.001	< 0.00099	< 0.0011	< 0.0011	< 0.0011	< 0.0014	< 0.0013	< 0.00096	< 0.00099	< 0.0011
Toluene	500	< 0.00082	< 0.001	< 0.00099	< 0.0011	< 0.0011	< 0.0011	< 0.0014	< 0.0013	< 0.00096	< 0.00099	< 0.0011
Trichloroethene	200	< 0.00082	< 0.001	< 0.00099	< 0.0011	< 0.0011	< 0.0011	< 0.0014	< 0.0013	< 0.00096	< 0.00099	< 0.0011
Trichlorofluoromethane		< 0.0041	< 0.0051	< 0.0049	< 0.0053	< 0.0057	< 0.0056	< 0.0069	< 0.0067	< 0.0048	< 0.0049	< 0.0053
Semivolatile Organic Compounds (SVOC) (mg/kg)												
1,1'-Biphenyl		< 0.75	< 0.71	< 0.7	< 0.74	< 0.75	< 0.71	< 0.71	< 0.72	< 0.72	< 0.71	< 0.66
2-Methylnaphthalene		< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Acenaphthene	500	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Anthracene	500	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Benzo(a)anthracene	5.6	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Benzo(a)pyrene	1	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Benzo(b)fluoranthene	5.6	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Bis(2-ethylhexyl)phthalate		< 0.38	< 0.36	< 0.35	< 0.38	< 0.38	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.34
Butylbenzyl phthalate		< 0.38	< 0.36	< 0.35	< 0.38	< 0.38	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.34
Chrysene	56	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Dibenzofuran	350	< 0.38	< 0.36	< 0.35	< 0.38	< 0.38	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.34
Dimethyl phthalate		< 0.38	< 0.36	< 0.35	< 0.38	< 0.38	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.34
Fluoranthene	500	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Fluorene	500	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Hexachlorobenzene	6	< 0.38	< 0.36	< 0.35	< 0.38	< 0.38	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.34
Naphthalene	500	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Phenanthrene	500	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Phenol	500	< 0.38	< 0.36	< 0.35	< 0.38	< 0.38	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.34
Pyrene	500	< 0.19	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17
Metals (mg/kg)												
Aluminum		**3600**	**1800**	**4000**	**4700**	**3200**	**1700**	**1400**	**4800**	**2900**	**3300**	**1200**
Antimony		< 1.8	< 1.8	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7
Arsenic	16	**2.7 J**	**0.79 J**	**1.7 J**	**1.9 J**	**3.4 J**	**1.6 J**	**1.1 J**	**2.5 J**	**2.0 J**	**1.5 J**	**1.0 J**
Barium	400	**11**	**4.6**	**13**	**19**	**13**	**7.1**	**7.7**	**22**	**16**	**15**	**6.6**
Beryllium	590	**0.18**	**0.089 J**	**0.19**	**0.35**	**0.19**	**0.11 J**	**0.074 J**	**0.29**	**0.17 J**	**0.21**	< 0.17
Cadmium	9.3	< 0.36	< 0.36	**0.16 J**	< 0.36	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.34
Calcium		**460**	**120**	**1800**	**1100**	**180**	**370**	**100**	**3300**	**14000**	**640**	**86**
Chromium	1500	**6.6**	**3.3**	**6.9**	**11**	**6.1**	**4.7**	**3.3**	**8.4**	**15**	**5.8**	**2.6**
Cobalt		**2.0**	**1.2 J**	**2.2**	**3.5**	**3.2**	**1.6 J**	**1.4 J**	**3.6**	**2.5**	**3.2**	**1.3 J**
Copper	270	**5.8**	**2.2**	**6.4**	**9.0**	**8.7**	**4.6**	**4.0**	**9.8**	**8.4**	**5.3**	**4.4**
Iron		**5500**	**2900**	**5700**	**9900**	**6900**	**4100**	**3300**	**9300**	**7800**	**5800**	**2600**
Lead	1000	**8.8**	**1.7**	**20**	**5.4**	**3.7**	**2.0**	**1.5**	**4.9**	**2.7**	**3.8**	**1.7**
Magnesium		**770**	**360**	**1600**	**1700**	**930**	**440**	**410**	**1400**	**970**	**980**	**280**
Manganese	10000	**120**	**78**	**140**	**180**	**220**	**120**	**110**	**220**	**170**	**670**	**130**
Mercury	2.8	**0.014 J**	< 0.025	< 0.024	< 0.027	< 0.028	< 0.027	< 0.025	< 0.024	< 0.026	< 0.025	< 0.024
Nickel	310	**5.2**	**2.3**	**5.2**	**7.5**	**6.2**	**2.7**	**2.4**	**7.8**	**6.1**	**5.7**	**2.5**
Potassium		**240**	**120 J**	**310**	**600**	**330**	**210**	**180**	**650**	**380**	**360**	**150 J**
Selenium	1500	**1.8 J**	**1.1 J**	**1.7 J**	**2.9 J**	**2.3 J**	**1.3 J**	**1.3 J**	**2.6 J**	**2.1 J**	**2.1 J**	**1.0 J**
Silver	1500	< 0.36	< 0.36	< 0.35	< 0.36	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.34
Sodium		< 180	< 180	< 170	**78 J**	< 180	< 170	< 170	**100 J**	**80 J**	< 170	< 170
Thallium		< 1.8	< 1.8	< 1.7	**0.59 J**	< 1.8	< 1.7	< 1.7	**0.52 J**	**0.74 J**	**0.55 J**	< 1.7
Vanadium		**8.0**	**4.0**	**10**	**15**	**7.9**	**4.6**	**4.2**	**11**	**7.7**	**7.1**	**3.0**
Zinc	10000	**13**	**4.4**	**19**	**27**	**12**	**5.4**	**5.1**	**17**	**8.4**	**29**	**5.3**
Polychlorinated Biphenyls (PCB) (mg/kg)												
PCB, Total	1	< 0.084	< 0.084	< 0.08	< 0.082	< 0.083	< 0.079	< 0.084	< 0.081	< 0.08	< 0.083	< 0.078
PCB-1016	1	< 0.084	< 0.084	< 0.08	< 0.082	< 0.083	< 0.079	< 0.084	< 0.081	< 0.08	< 0.083	< 0.078
PCB-1242	1	< 0.084	< 0.084	< 0.08	< 0.082	< 0.083	< 0.079	< 0.084	< 0.081	< 0.08	< 0.083	< 0.078
PCB-1248	1	< 0.084	< 0.084	< 0.08	< 0.082	< 0.083	< 0.079	< 0.084	< 0.081	< 0.08	< 0.083	< 0.078
PCB-1254	1	< 0.084	< 0.084	< 0.08	< 0.082	< 0.083	< 0.079	< 0.084	< 0.081	< 0.08	< 0.083	< 0.078
PCB-1260	1	< 0.084	< 0.084	< 0.08	< 0.082	< 0.083	< 0.079	< 0.084	< 0.081	< 0.08	< 0.083	< 0.078
PCB-1268	1	< 0.084	< 0.084	< 0.08	< 0.082	< 0.083	< 0.079	< 0.084	< 0.081	< 0.08	< 0.083	< 0.078
PFAS Compounds (μg/kg)												
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	NA	NA	**0.057 J**	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	500	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)		NA	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA

Location:	SB-111	SB-111	SB-112	SB-112	SB-113	SB-113	SB-114	SB-114	SB-115	SB-115	SB-116	SB-116	SB-117
Date Collected:	03/11/2024	03/11/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024
Sample ID:	SB-111 (2-4)	SB-111 (13-15)	SB-112 (18-20)	SB-112 (28-30)	SB-113 (18-20)	SB-113 (28-30)	SB-114 (18-20)	SB-114 (28-30)	SB-115 (18-20)	SB-115 (28-30)	SB-116 (18-20)	SB-116 (28-30)	SB-117 (3-5)
Laboratory Sample ID:	24C1383-03	24C1384-04	24C1384-06	24C1384-07	24C1384-08	24C1384-09	24C1384-10	24C1384-11	24C1384-12	24C1384-13	24C1383-04	24C1384-15	24C1384-16
Volatile Organic Compounds (VOCs) (mg/kg)													
2-Butanone (MEK)	< 0.024	< 0.023	< 0.044	< 0.042	< 0.047	< 0.037	< 0.03	< 0.031	< 0.038	< 0.054	< 0.045	< 0.029	< 0.028
Acetone	< 0.059	< 0.056	< 0.11	< 0.11	< 0.12	< 0.092	< 0.074	< 0.078	< 0.094	< 0.14	< 0.11	< 0.072	< 0.071
Benzene	< 0.0012	< 0.0011	< 0.0022	< 0.0021	< 0.0024	< 0.0018	< 0.0015	< 0.0016	< 0.0019	< 0.0027	< 0.0022	< 0.0014	< 0.0014
cis-1,2-Dichloroethene	< 0.0012	< 0.0011	< 0.0022	< 0.0021	< 0.0024	< 0.0018	< 0.0015	< 0.0016	< 0.0019	< 0.0027	< 0.0022	< 0.0014	< 0.0014
Dichlorodifluoromethane	< 0.012	< 0.011	< 0.022	< 0.021	< 0.024	< 0.018	< 0.015	< 0.016	< 0.019	< 0.027	< 0.022	< 0.014	< 0.014
Isopropylbenzene	< 0.0012	< 0.0011	< 0.0022	< 0.0021	< 0.0024	< 0.0018	< 0.0015	< 0.0016	< 0.0019	< 0.0027	< 0.0022	< 0.0014	< 0.0014
Methyl acetate	< 0.0012	< 0.0011	< 0.0022	< 0.0021	< 0.0024	< 0.0018	< 0.0015	< 0.0016	< 0.0019	< 0.0027	< 0.0022	< 0.0014	< 0.0014
Methylcyclohexane	< 0.0012	< 0.0011	< 0.0022	< 0.0021	< 0.0024	< 0.0018	< 0.0015	< 0.0016	< 0.0019	< 0.0027	< 0.0022	< 0.0014	< 0.0014
Methylene chloride	**0.0038 J**	< 0.011	< 0.022	< 0.021	< 0.024	< 0.018	< 0.015	< 0.016	< 0.019	< 0.027	< 0.022	< 0.014	< 0.014
Tetrachloroethene	< 0.0012	< 0.0011	< 0.0022	< 0.0021	< 0.0024	< 0.0018	< 0.0015	< 0.0016	< 0.0019	< 0.0027	< 0.0022	< 0.0014	< 0.0014
Toluene	< 0.0012	< 0.0011	< 0.0022	< 0.0021	< 0.0024	< 0.0018	< 0.0015	< 0.0016	< 0.0019	< 0.0027	< 0.0022	< 0.0014	< 0.0014
Trichloroethene	< 0.0012	< 0.0011	< 0.0022	< 0.0021	< 0.0024	< 0.0018	< 0.0015	< 0.0016	< 0.0019	< 0.0027	< 0.0022	< 0.0014	< 0.0014
Trichlorofluoromethane	< 0.0059	< 0.0056	< 0.011	< 0.011	< 0.012	< 0.0092	< 0.0074	< 0.0078	< 0.0094	< 0.014	< 0.011	< 0.0072	< 0.0071
Semivolatile Organic Compounds (SVOC) (mg/kg)													
1,1'-Biphenyl	< 0.73	< 0.82	< 0.67	< 0.66	< 0.71	< 0.73	< 0.68	< 0.67	< 0.71	< 0.83	< 0.7	< 0.67	< 0.74
2-Methylnaphthalene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Acenaphthene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Anthracene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Benzo(a)anthracene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Benzo(a)pyrene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Benzo(b)fluoranthene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Bis(2-ethylhexyl)phthalate	< 0.37	< 0.42	< 0.34	< 0.34	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.42	< 0.36	< 0.34	< 0.37
Butylbenzyl phthalate	< 0.37	< 0.42	< 0.34	< 0.34	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.42	< 0.36	< 0.34	< 0.37
Chrysene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Dibenzofuran	< 0.37	< 0.42	< 0.34	< 0.34	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.42	< 0.36	< 0.34	< 0.37
Dimethyl phthalate	< 0.37	< 0.42	< 0.34	< 0.34	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.42	< 0.36	< 0.34	< 0.37
Fluoranthene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Fluorene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Hexachlorobenzene	< 0.37	< 0.42	< 0.34	< 0.34	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.42	< 0.36	< 0.34	< 0.37
Naphthalene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Phenanthrene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Phenol	< 0.37	< 0.42	< 0.34	< 0.34	< 0.36	< 0.37	< 0.35	< 0.34	< 0.36	< 0.42	< 0.36	< 0.34	< 0.37
Pyrene	< 0.18	< 0.21	< 0.17	< 0.17	< 0.18	< 0.19	< 0.17	< 0.17	< 0.18	< 0.21	< 0.18	< 0.17	< 0.19
Metals (mg/kg)													
Aluminum	**8200**	**2900**	**2600**	**570**	**5000**	**5300**	**1900**	**610**	**2900**	**860**	**2400**	**1300**	**4300**
Antimony	< 1.8	< 2	< 1.6	< 1.6	< 1.8	< 1.8	< 1.7	< 1.6	< 1.7	< 2	< 1.7	< 1.7	< 1.8
Arsenic	**2.6 J**	**2.3 J**	**3.9**	**0.96 J**	**5.2**	**5.0**	**2.1 J**	**1.7 J**	**4.9**	**3.2 J**	**1.9 J**	**2.8 J**	**1.6 J**
Barium	**20**	**12**	**17**	**3.4**	**17**	**19**	**7.2**	**3.7**	**12**	**3.9**	**9.3**	**5.4**	**9.7**
Beryllium	**0.28**	**0.17 J**	**0.096 J**	< 0.16	**0.26**	**0.29**	**0.12 J**	< 0.16	**0.15 J**	< 0.2	**0.18**	**0.074 J**	**0.13 J**
Cadmium	< 0.37	< 0.4	< 0.32	< 0.33	< 0.35	< 0.36	< 0.35	< 0.32	< 0.34	< 0.4	< 0.35	< 0.33	< 0.36
Calcium	**1700**	**2300**	**360**	**130**	**620**	**680**	**310**	**230**	**300**	**300**	**420**	**440**	**130**
Chromium	**11**	**6.2**	**5.9**	**3.5**	**9.1**	**10**	**4.5**	**7.2**	**7.7**	**4.4**	**7.7**	**4.2**	**6.1**
Cobalt	**3.9**	**2.4**	**4.0**	**0.88 J**	**5.5**	**6.1**	**2.7**	**1.0 J**	**3.6**	**1.8 J**	**4.8**	**2.8**	**1.8**
Copper	**6.7**	**6.7**	**8.7**	**3.5**	**18**	**15**	**8.6**	**4.0**	**11**	**5.8**	**14**	**7.4**	**3.2**
Iron	**9300**	**5600**	**7500**	**2200**	**12000**	**13000**	**6500**	**3600**	**7400**	**3100**	**10000**	**4900**	**4600**
Lead	**7.2**	**11**	**2.8**	**1.3**	**4.6**	**4.5**	**2.2**	**1.5**	**3.9**	**2.7**	**2.7**	**2.3**	**3.6**
Magnesium	**1300**	**720**	**1300**	**230**	**1900**	**2000**	**750**	**240**	**940**	**420**	**730**	**550**	**550**
Manganese	**180**	**200**	**220**	**42**	**470**	**470**	**260**	**69**	**280**	**86**	**440**	**200**	**54**
Mercury	< 0.026	< 0.029	< 0.025	< 0.025	< 0.026	< 0.024	< 0.025	< 0.024	< 0.024	< 0.029	< 0.023	< 0.025	< 0.027
Nickel	**8.5**	**5.3**	**5.6**	**1.3**	**11**	**12**	**5.2**	**2.2**	**7.4**	**3.2**	**7.6**	**6.1**	**3.1**
Potassium	**360**	**310**	**1500**	**130 J**	**640**	**680**	**220**	**120 J**	**330**	**240**	**230**	**150 J**	**170 J**
Selenium	**2.9 J**	**1.7 J**	**2.4 J**	**0.87 J**	< 3.5	< 3.6	**2.3 J**	**1.4 J**	**2.2 J**	**1.0 J**	**3.0 J**	**1.6 J**	**1.5 J**
Silver	< 0.37	< 0.4	< 0.32	< 0.33	< 0.35	< 0.36	< 0.35	< 0.32	< 0.34	< 0.41	< 0.34	< 0.33	< 0.36
Sodium	< 180	< 200	< 160	< 160	**41 J**	**42 J**	< 170	< 160	**66 J**	< 200	< 170	< 170	< 180
Thallium	**0.57 J**	< 2	**0.88 J**	< 1.6	< 1.8	< 1.8	< 1.7	< 1.6	< 1.7	< 2	< 1.7	< 1.7	< 1.8
Vanadium	**15**	**6.9**	**12**	**2.8**	**12**	**13**	**5.8**	**4.6**	**7.2**	**3.5**	**8.9**	**4.5**	**8.1**
Zinc	**17**	**11**	**17**	**2.9**	**24**	**26**	**12**	**5.0**	**14**	**6.2**	**16**	**11**	**5.8**
Polychlorinated Biphenyls (PCB) (mg/kg)													
PCB, Total	< 0.085	**0.029**	< 0.079	< 0.079	< 0.08	< 0.083	< 0.08	< 0.077	< 0.084	< 0.098	< 0.078	< 0.075	< 0.082
PCB-1016	< 0.085	< 0.091	< 0.079	< 0.079	< 0.08	< 0.083	< 0.08	< 0.077	< 0.084	< 0.098	< 0.078	< 0.075	< 0.082
PCB-1242	< 0.085	< 0.091	< 0.079	< 0.079	< 0.08	< 0.083	< 0.08	< 0.077	< 0.084	< 0.098	< 0.078	< 0.075	< 0.082
PCB-1248	< 0.085	< 0.091	< 0.079	< 0.079	< 0.08	< 0.083	< 0.08	< 0.077	< 0.084	< 0.098	< 0.078	< 0.075	< 0.082
PCB-1254	< 0.085	< 0.091	< 0.079	< 0.079	< 0.08	< 0.083	< 0.08	< 0.077	< 0.084	< 0.098	< 0.078	< 0.075	< 0.082
PCB-1260	< 0.085	**0.029 JD**	< 0.079	< 0.079	< 0.08	< 0.083	< 0.08	< 0.077	< 0.084	< 0.098	< 0.078	< 0.075	< 0.082
PCB-1268	< 0.085	< 0.091	< 0.079	< 0.079	< 0.08	< 0.083	< 0.08	< 0.077	< 0.084	< 0.098	< 0.078	< 0.075	< 0.082
PFAS Compounds (μg/kg)													
Perfluorodecanoic acid (PFDA)	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA
Perfluorododecanoic acid (PFDoA)	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA
Perfluoroheptanoic acid (PFHpA)	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA
Perfluorohexanoic acid (PFHxA)	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA
Perfluorononane sulfonic acid (PFNS)	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA
Perfluorononanoic acid (PFNA)	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA
Perfluorooctanesulfonic acid (PFOS)	**0.13 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA
Perfluorooctanoic acid (PFOA)	**0.045 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA
Perfluoropentanoic acid (PFPeA)	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.39	NA	NA
Perfluorotetradecanoic acid (PFTeDA)	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA
Perfluorotridecanoic acid (PFTrDA)	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA
Perfluoroundecanoic acid (PFUnA)	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented

mg/L = milligrams per liter
μg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:	Part 375 Commercial	SB-117	SB-118	SB-118	SB-119	SB-119	SB-119	SB-120	SB-120	SB-121	SB-121	SB-122
Date Collected:		03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/12/2024	03/13/2024
Sample ID:		SB-117 (13-15)	SB-118 (3-5)	SB-118 (13-15)	DUP-02	SB-119 (3-5)	SB-119 (13-15)	SB-120 (3-5)	SB-120 (13-15)	SB-121 (3-5)	SB-121 (13-15)	SB-122 (5-7)
Laboratory Sample ID:		24C1384-17	24C1383-05	24C1384-19	24C1385-05	24C1384-20	24C1385-07	24C1385-01	24C1385-02	24C1385-03	24C1385-04	24C1749-01
Volatile Organic Compounds (VOCs) (mg/kg)												
2-Butanone (MEK)	500	< 0.037	< 0.043	< 0.036	< 0.03	< 0.031	< 0.031	< 0.038	< 0.034	< 0.033	< 0.03	< 0.027
Acetone	500	< 0.092	< 0.11	< 0.09	< 0.074	< 0.076	< 0.078	< 0.095	< 0.085	< 0.084	< 0.074	< 0.068
Benzene	44	< 0.0018	**0.00079 J**	< 0.0018	< 0.0015	< 0.0015	< 0.0016	< 0.0019	< 0.0017	< 0.0017	< 0.0015	< 0.0014
cis-1,2-Dichloroethene	500	< 0.0018	< 0.0021	< 0.0018	< 0.0015	< 0.0015	< 0.0016	< 0.0019	< 0.0017	< 0.0017	< 0.0015	< 0.0014
Dichlorodifluoromethane		< 0.018	< 0.021	< 0.018	< 0.015	< 0.015	< 0.016	< 0.019	< 0.017	< 0.017	< 0.015	< 0.014
Isopropylbenzene		< 0.0018	< 0.0021	< 0.0018	< 0.0015	< 0.0015	< 0.0016	< 0.0019	< 0.0017	< 0.0017	< 0.0015	< 0.0014
Methyl acetate		< 0.0018	< 0.0021	< 0.0018	< 0.0015	< 0.0015	< 0.0016	< 0.0019	< 0.0017	< 0.0017	< 0.0015	< 0.0014
Methylcyclohexane		< 0.0018	< 0.0021	< 0.0018	< 0.0015	< 0.0015	< 0.0016	< 0.0019	< 0.0017	< 0.0017	< 0.0015	< 0.0014
Methylene chloride	500	< 0.018	< 0.021	< 0.018	< 0.015	< 0.015	< 0.016	< 0.019	< 0.017	< 0.017	< 0.015	< 0.014
Tetrachloroethene	150	< 0.0018	< 0.0021	< 0.0018	< 0.0015	< 0.0015	< 0.0016	< 0.0019	< 0.0017	< 0.0017	< 0.0015	< 0.0014
Toluene	500	< 0.0018	**0.0042**	< 0.0018	< 0.0015	< 0.0015	< 0.0016	< 0.0019	< 0.0017	< 0.0017	< 0.0015	< 0.0014
Trichloroethene	200	< 0.0018	**0.0024**	< 0.0018	< 0.0015	< 0.0015	< 0.0016	< 0.0019	< 0.0017	< 0.0017	< 0.0015	< 0.0014
Trichlorofluoromethane		< 0.0092	< 0.011	< 0.009	**0.00096 J**	< 0.0076	< 0.0078	< 0.0095	< 0.0085	< 0.0084	< 0.0074	< 0.0068
Semivolatile Organic Compounds (SVOC) (mg/kg)												
1,1'-Biphenyl		< 0.72	< 0.77	< 0.72	< 0.71	< 0.73	< 0.71	< 0.72	< 0.72	< 0.74	< 0.72	< 0.7
2-Methylnaphthalene		< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Acenaphthene	500	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Anthracene	500	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Benzo(a)anthracene	5.6	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Benzo(a)pyrene	1	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Benzo(b)fluoranthene	5.6	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Bis(2-ethylhexyl)phthalate		< 0.36	< 0.39	< 0.37	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.37	< 0.36	< 0.35
Butylbenzyl phthalate		< 0.36	< 0.39	< 0.37	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.37	< 0.36	< 0.35
Chrysene	56	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Dibenzofuran	350	< 0.36	< 0.39	< 0.37	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.37	< 0.36	< 0.35
Dimethyl phthalate		< 0.36	< 0.39	< 0.37	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.37	< 0.36	< 0.35
Fluoranthene	500	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Fluorene	500	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Hexachlorobenzene	6	< 0.36	< 0.39	< 0.37	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.37	< 0.36	< 0.35
Naphthalene	500	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Phenanthrene	500	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Phenol	500	< 0.36	< 0.39	< 0.37	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.37	< 0.36	< 0.35
Pyrene	500	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18
Metals (mg/kg)												
Aluminum		**3900**	**5200**	**3000**	**4800**	**4100**	**4500**	**3000**	**4600**	**5100**	**3100**	**3800**
Antimony		< 1.8	< 1.9	< 1.8	< 1.7	< 1.8	< 1.7	< 1.8	< 1.8	< 1.8	< 1.8	< 1.7
Arsenic	16	**2.2 J**	**3.5 J**	**2.1 J**	**2.4 J**	**2.0 J**	**2.2 J**	**2.1 J**	**2.0 J**	**2.1 J**	**2.0 J**	< 3.4
Barium	400	**18**	**19**	**11**	**17**	**11**	**20**	**8.5**	**20**	**16**	**12**	**9.8**
Beryllium	590	**0.23**	**0.23**	**0.14 J**	**0.23**	**0.17 J**	**0.26**	**0.13 J**	**0.26**	**0.19**	**0.18**	**0.15 J**
Cadmium	9.3	< 0.35	< 0.37	< 0.36	< 0.34	< 0.36	< 0.35	< 0.35	< 0.36	< 0.36	< 0.35	< 0.34
Calcium		**150**	**1500**	**360**	**4500**	**260**	**220**	**140**	**160**	**81**	**99**	**8700**
Chromium	1500	**5.8**	**9.5**	**5.2**	**11**	**5.8**	**6.9**	**4.9**	**7.9**	**7.6**	**7.4**	**16**
Cobalt		**3.4**	**2.9**	**2.2**	**2.8**	**2.2**	**2.9**	**3.3**	**2.6**	**2.0**	**2.2**	**1.7**
Copper	270	**6.3**	**7.3**	**6.5**	**6.5**	**4.4**	**7.2**	**4.8**	**7.9**	**4.0**	**4.4**	**5.2**
Iron		**6100**	**7800**	**5100**	**6700**	**5900**	**6900**	**5100**	**6900**	**6700**	**5100**	**5100**
Lead	1000	**4.6**	**10**	**17**	**20**	**6.7**	**3.4**	**3.9**	**3.8**	**16**	**3.1**	**6.2**
Magnesium		**1000**	**1300**	**640**	**2300**	**680**	**1100**	**500**	**1100**	**670**	**830**	**2100**
Manganese	10000	**220**	**170**	**140**	**190**	**120**	**300**	**220**	**180**	**120**	**170**	**110**
Mercury	2.8	< 0.025	**0.027**	< 0.025	< 0.025	**0.017 J**	< 0.026	< 0.026	< 0.025	**0.015 J**	< 0.026	< 0.024
Nickel	310	**6.0**	**9.2**	**4.9**	**5.9**	**4.3**	**5.5**	**6.5**	**5.6**	**4.9**	**4.0**	**4.8**
Potassium		**550**	**500**	**240**	**620**	**330**	**700**	**180 J**	**590**	**200**	**380**	**300**
Selenium	1500	**2.0 J**	**2.2 J**	**1.5 J**	**1.8 J**	**1.9 J**	**2.0 J**	**1.8 J**	**2.1 J**	**1.9 J**	**1.6 J**	< 3.4
Silver	1500	< 0.36	< 0.39	< 0.36	< 0.34	< 0.36	< 0.36	< 0.34	< 0.34	< 0.35	< 0.35	< 0.34
Sodium		< 180	< 190	< 180	< 170	< 180	< 170	< 180	< 180	< 180	< 180	**58 J**
Thallium		< 1.8	< 1.9	< 1.8	**0.60 J**	< 1.8	**0.59 J**	< 1.8	< 1.8	< 1.8	< 1.8	< 1.7
Vanadium		**8.1**	**11**	**7.2**	**9.8**	**8.0**	**9.8**	**6.4**	**9.5**	**9.7**	**7.0**	**8.0**
Zinc	10000	**13**	**23**	**18**	**20**	**11**	**13**	**10**	**14**	**14**	**9.3**	**8.7**
Polychlorinated Biphenyls (PCB) (mg/kg)												
PCB, Total	1	< 0.087	**0.17**	**0.21**	**0.86**	**0.124**	< 0.082	< 0.082	< 0.08	< 0.083	< 0.082	**0.12**
PCB-1016	1	< 0.087	< 0.094	< 0.084	< 0.084	< 0.089	< 0.082	< 0.082	< 0.08	< 0.083	< 0.082	< 0.078
PCB-1242	1	< 0.087	< 0.094	< 0.084	< 0.084	< 0.089	< 0.082	< 0.082	< 0.08	< 0.083	< 0.082	< 0.078
PCB-1248	1	< 0.087	< 0.094	< 0.084	< 0.084	< 0.089	< 0.082	< 0.082	< 0.08	< 0.083	< 0.082	< 0.078
PCB-1254	1	< 0.087	**0.17 D**	**0.15 D**	**0.86 D**	**0.098 D**	< 0.082	< 0.082	< 0.08	< 0.083	< 0.082	**0.12 D**
PCB-1260	1	< 0.087	< 0.094	**0.060 JD**	< 0.084	**0.026 JD**	< 0.082	< 0.082	< 0.08	< 0.083	< 0.082	< 0.078
PCB-1268	1	< 0.087	< 0.094	< 0.084	< 0.084	< 0.089	< 0.082	< 0.082	< 0.08	< 0.083	< 0.082	< 0.078
PFAS Compounds (µg/kg)												
Perfluorodecanoic acid (PFDA)		NA	< 0.2	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)		NA	< 0.2	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)		NA	< 0.2	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)		NA	< 0.2	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)		NA	< 0.2	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	< 0.2	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	**0.32**	NA	NA	NA	NA	**0.65**	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	500	NA	< 0.2	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)		NA	< 0.4	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	< 0.2	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)		NA	< 0.2	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)		NA	< 0.2	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA

Location:	SB-122	SB-123	SB-123	SB-124	SB-124	SB-125	SB-125	SB-126	SB-126	SB-127	SB-127	SB-128	SB-128	SB-129
Date Collected:	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024
Sample ID:	SB-122 (15-17)	SB-123 (5-7)	SB-123 (15-17)	SB-124 (5-7)	SB-124 (15-17)	SB-125 (5-7)	SB-125 (15-17)	SB-126 (5-7)	SB-126 (15-17)	SB-127 (5-7)	SB-127 (15-17)	SB-128 (5-7)	SB-128 (15-17)	SB-129 (5-7)
Laboratory Sample ID:	24C1749-02	24C1749-03	24C1749-04	24C1749-05	24C1749-06	24C1749-07	24C1749-08	24C1749-09	24C1749-10	24C1749-11	24C1749-12	24C1749-13	24C1749-14	24C1749-15
Volatile Organic Compounds (VOCs) (mg/kg)														
2-Butanone (MEK)	< 0.024	< 0.031	< 0.022	< 0.026	< 0.029	< 0.027	< 0.023	< 0.028	< 0.032	< 0.045	< 0.028	< 0.026	< 0.025	< 0.027
Acetone	< 0.06	< 0.078	< 0.054	< 0.066	< 0.073	< 0.067	< 0.057	< 0.07	< 0.079	< 0.11	< 0.07	< 0.066	< 0.062	< 0.068
Benzene	< 0.0012	< 0.0016	< 0.0011	< 0.0013	< 0.0015	< 0.0013	< 0.0011	< 0.0014	< 0.0016	< 0.0022	< 0.0014	< 0.0013	< 0.0012	< 0.0014
cis-1,2-Dichloroethene	< 0.0012	< 0.0016	< 0.0011	< 0.0013	< 0.0015	< 0.0013	< 0.0011	< 0.0014	< 0.0016	< 0.0022	< 0.0014	< 0.0013	< 0.0012	< 0.0014
Dichlorodifluoromethane	< 0.012	< 0.016	< 0.011	< 0.013	< 0.015	< 0.013	< 0.011	< 0.014	< 0.016	< 0.022	< 0.014	< 0.013	< 0.012	< 0.014
Isopropylbenzene	< 0.0012	< 0.0016	**0.00048 J**	< 0.0013	< 0.0015	< 0.0013	< 0.0011	< 0.0014	< 0.0016	< 0.0022	< 0.0014	< 0.0013	< 0.0012	< 0.0014
Methyl acetate	< 0.0012	< 0.0016	< 0.0011	< 0.0013	< 0.0015	< 0.0013	< 0.0011	< 0.0014	< 0.0016	< 0.0022	< 0.0014	< 0.0013	< 0.0012	< 0.0014
Methylcyclohexane	< 0.0012	< 0.0016	< 0.0011	< 0.0013	< 0.0015	< 0.0013	< 0.0011	< 0.0014	< 0.0016	< 0.0022	< 0.0014	< 0.0013	< 0.0012	< 0.0014
Methylene chloride	< 0.012	< 0.016	< 0.011	< 0.013	< 0.015	< 0.013	< 0.011	< 0.014	< 0.016	< 0.022	< 0.014	< 0.013	< 0.012	< 0.014
Tetrachloroethene	< 0.0012	< 0.0016	< 0.0011	< 0.0013	< 0.0015	< 0.0013	< 0.0011	< 0.0014	< 0.0016	< 0.0022	< 0.0014	< 0.0013	< 0.0012	< 0.0014
Toluene	< 0.0012	< 0.0016	< 0.0011	< 0.0013	< 0.0015	< 0.0013	< 0.0011	< 0.0014	< 0.0016	< 0.0022	< 0.0014	< 0.0013	< 0.0012	< 0.0014
Trichloroethene	< 0.0012	< 0.0016	< 0.0011	< 0.0013	< 0.0015	< 0.0013	< 0.0011	< 0.0014	< 0.0016	< 0.0022	< 0.0014	< 0.0013	< 0.0012	< 0.0014
Trichlorofluoromethane	< 0.006	**0.010**	**0.0073**	< 0.0066	< 0.0073	< 0.0067	< 0.0057	< 0.007	< 0.0079	< 0.011	< 0.007	< 0.0066	< 0.0062	< 0.0068
Semivolatile Organic Compounds (SVOC) (mg/kg)														
1,1'-Biphenyl	< 0.72	< 0.73	< 0.75	< 0.76	< 0.71	< 0.71	< 0.71	< 0.7	< 0.71	< 0.76	< 0.71	< 0.7	< 0.71	< 0.71
2-Methylnaphthalene	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Acenaphthene	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Anthracene	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Benzo(a)anthracene	< 0.18	< 0.18	**0.080 J**	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Benzo(a)pyrene	< 0.18	< 0.18	**0.071 J**	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Benzo(b)fluoranthene	< 0.18	< 0.18	**0.095 J**	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Bis(2-ethylhexyl)phthalate	< 0.36	**0.13 J**	**0.45**	< 0.38	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.39	< 0.36	< 0.35	< 0.36	< 0.36
Butylbenzyl phthalate	< 0.36	< 0.37	**1.8**	< 0.38	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.39	< 0.36	< 0.35	< 0.36	< 0.36
Chrysene	< 0.18	< 0.18	**0.085 J**	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Dibenzofuran	< 0.36	< 0.37	< 0.38	< 0.38	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.39	< 0.36	< 0.35	< 0.36	< 0.36
Dimethyl phthalate	< 0.36	< 0.37	< 0.38	< 0.38	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.39	< 0.36	< 0.35	< 0.36	< 0.36
Fluoranthene	< 0.18	< 0.18	**0.18 J**	< 0.19	< 0.18	**0.087 J**	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Fluorene	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorobenzene	< 0.36	< 0.37	< 0.38	< 0.38	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.39	< 0.36	< 0.35	< 0.36	< 0.36
Naphthalene	< 0.18	< 0.18	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Phenanthrene	< 0.18	< 0.18	**0.18 J**	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Phenol	< 0.36	< 0.37	< 0.38	< 0.38	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.39	< 0.36	< 0.35	< 0.36	< 0.36
Pyrene	< 0.18	< 0.18	**0.20**	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18
Metals (mg/kg)														
Aluminum	**4100**	**5600**	**6300**	**4000**	**4000**	**4400**	**4100**	**1800**	**3400**	**12000**	**4400**	**4200**	**4500**	**4400**
Antimony	< 1.8	< 1.8	**0.56 J**	< 1.9	< 1.8	< 1.7	< 1.7	< 1.7	< 1.8	< 1.9	< 1.7	< 1.7	< 1.7	< 1.8
Arsenic	< 3.5	**2.7 J**	**5.3**	**1.9 J**	**2.5 J**	**2.2 J**	**2.2 J**	**0.96 J**	**1.7 J**	**3.5 J**	**2.5 J**	**1.9 J**	**2.1 J**	< 3.5
Barium	**14**	**24**	**90**	**12**	**13**	**15**	**18**	**6.3**	**13**	**26**	**15**	**13**	**18**	**10**
Beryllium	**0.18**	**0.26**	**0.29**	**0.19**	**0.20**	**0.21**	**0.22**	**0.072 J**	**0.15 J**	**0.40**	**0.21**	**0.18**	**0.22**	**0.17 J**
Cadmium	< 0.35	< 0.36	**0.33 J**	< 0.38	< 0.35	< 0.34	< 0.34	< 0.34	< 0.36	< 0.37	< 0.34	< 0.35	< 0.34	< 0.35
Calcium	**6700**	**16000**	**88000 D**	**9400**	**10000**	**10000**	**2100**	**2500**	**13000**	**5800**	**5600**	**9100**	**4400**	**150**
Chromium	**19**	**11**	**35**	**7.2**	**6.5**	**9.9**	**10**	**3.4**	**7.8**	**17**	**14**	**8.8**	**17**	**6.7**
Cobalt	**2.0**	**3.7**	**2.7**	**2.2**	**2.0**	**2.5**	**2.4**	**1.5 J**	**1.8**	**3.1**	**2.3**	**2.8**	**2.8**	**3.6**
Copper	**6.3**	**9.0**	**31**	**4.6**	**5.0**	**5.4**	**6.5**	**2.7**	**3.7**	**8.0**	**6.4**	**5.2**	**7.1**	**5.0**
Iron	**6200**	**7900**	**15000**	**5300**	**5400**	**6500**	**6600**	**2600**	**4500**	**11000**	**6500**	**5900**	**7300**	**6100**
Lead	**4.0**	**5.8**	**24**	**3.3**	**2.7**	**7.6**	**3.8**	**1.8**	**2.6**	**7.7**	**4.2**	**3.3**	**3.4**	**3.1**
Magnesium	**1900**	**3900**	**9000**	**1600**	**5400**	**3400**	**1400**	**660**	**2700**	**2800**	**2100**	**2600**	**2200**	**1300**
Manganese	**140**	**210**	**210**	**110**	**120**	**130**	**120**	**180**	**88**	**100**	**110**	**180**	**230**	**180**
Mercury	< 0.026	**0.035**	**0.075**	< 0.026	< 0.025	< 0.025	< 0.024	< 0.023	< 0.025	< 0.029	< 0.024	< 0.025	< 0.024	**0.015 J**
Nickel	**4.9**	**7.1**	**23**	**4.1**	**3.9**	**5.0**	**5.3**	**2.1**	**3.4**	**7.3**	**4.4**	**4.8**	**5.8**	**6.5**
Potassium	**460**	**740**	**1200**	**380**	**530**	**510**	**530**	**140 J**	**290**	**500**	**370**	**500**	**550**	**450**
Selenium	< 3.5	**1.5 J**	**2.2 J**	< 3.8	< 3.5	**1.1 J**	**1.2 J**	< 3.4	< 3.6	**2.1 J**	**1.2 J**	**1.1 J**	**1.3 J**	< 3.5
Silver	< 0.35	< 0.36	< 0.37	< 0.38	< 0.35	< 0.34	< 0.34	< 0.34	< 0.36	< 0.37	< 0.34	< 0.35	< 0.34	< 0.35
Sodium	**48 J**	**84 J**	**300**	< 190	< 180	**45 J**	< 170	< 170	**40 J**	< 190	**43 J**	**46 J**	**42 J**	< 180
Thallium	< 1.8	< 1.8	< 1.8	< 1.9	< 1.8	< 1.7	< 1.7	< 1.7	< 1.8	< 1.9	< 1.7	< 1.7	< 1.7	< 1.8
Vanadium	**7.7**	**12**	**23**	**7.9**	**7.3**	**8.7**	**8.6**	**4.2**	**7.0**	**20**	**9.8**	**7.5**	**8.6**	**7.5**
Zinc	**9.6**	**36**	**85**	**11**	**9.6**	**17**	**11**	**4.0**	**7.4**	**16**	**9.4**	**11**	**13**	**13**
Polychlorinated Biphenyls (PCB) (mg/kg)														
PCB, Total	**0.06**	< 0.087	**0.611**	< 0.091	< 0.085	**0.354**	**0.072**	< 0.082	**0.037**	**0.064**	**0.093**	**0.11**	**0.062**	< 0.078
PCB-1016	< 0.081	< 0.087	< 0.091	< 0.091	< 0.085	< 0.082	< 0.081	< 0.082	< 0.078	< 0.087	< 0.08	< 0.078	< 0.085	< 0.078
PCB-1242	< 0.081	< 0.087	< 0.091	< 0.091	< 0.085	< 0.082	< 0.081	< 0.082	< 0.078	< 0.087	< 0.08	< 0.078	< 0.085	< 0.078
PCB-1248	< 0.081	< 0.087	**0.18 D**	< 0.091	< 0.085	< 0.082	< 0.081	< 0.082	< 0.078	< 0.087	< 0.08	< 0.078	< 0.085	< 0.078
PCB-1254	**0.060 JD**	< 0.087	**0.37 D**	< 0.091	< 0.085	**0.26 D**	**0.072 JD**	< 0.082	**0.037 JD**	**0.064 JD**	**0.093 D**	**0.11 D**	**0.062 JD**	< 0.078
PCB-1260	< 0.081	< 0.087	**0.061 JD**	< 0.091	< 0.085	**0.094 D**	< 0.081	< 0.082	< 0.078	< 0.087	< 0.08	< 0.078	< 0.085	< 0.078
PCB-1268	< 0.081	< 0.087	< 0.091	< 0.091	< 0.085	< 0.082	< 0.081	< 0.082	< 0.078	< 0.087	< 0.08	< 0.078	< 0.085	< 0.078
PFAS Compounds (µg/kg)														
Perfluorodecanoic acid (PFDA)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:	Part 375 Commercial	SB-129	SB-130	SB-130	SB-130	SB-131	SB-131	SB-132	SB-132	SB-133	SB-133	SB-134
Date Collected:		03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/13/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024
Sample ID:		SB-129 (15-17)	DUP-03	SB-130 (5-7)	SB-130 (15-17)	SB-131 (5-7)	SB-131 (15-17)	SB-132 (3-5)	SB-132 (13-15)	SB-133 (3-5)	SB-133 (13-15)	SB-134 (3-5)
Laboratory Sample ID:		24C1749-16	24C1753-01	24C1749-17	24C1749-18	24C1748-02	24C1749-20	24C1753-02	24C1753-03	24C1748-03	24C1753-05	24C1753-06
Volatile Organic Compounds (VOCs) (mg/kg)												
2-Butanone (MEK)	500	< 0.034	< 0.03	< 0.031	< 0.022	< 0.024	< 0.031	< 0.039	< 0.032	< 0.039	< 0.037	< 0.038
Acetone	500	< 0.085	< 0.075	< 0.077	< 0.056	< 0.059	< 0.078	< 0.097	< 0.079	< 0.097	< 0.093	< 0.095
Benzene	44	< 0.0017	< 0.0015	< 0.0015	< 0.0011	< 0.0012	< 0.0016	< 0.0019	< 0.0016	< 0.0019	< 0.0019	< 0.0019
cis-1,2-Dichloroethene	500	< 0.0017	< 0.0015	< 0.0015	< 0.0011	< 0.0012	< 0.0016	< 0.0019	< 0.0016	< 0.0019	< 0.0019	< 0.0019
Dichlorodifluoromethane		< 0.017	< 0.015	< 0.015	< 0.011	< 0.012	< 0.016	< 0.019	< 0.016	< 0.019	< 0.019	< 0.019
Isopropylbenzene		< 0.0017	< 0.0015	< 0.0015	< 0.0011	< 0.0012	< 0.0016	< 0.0019	< 0.0016	< 0.0019	< 0.0019	< 0.0019
Methyl acetate		< 0.0017	< 0.0015	< 0.0015	< 0.0011	< 0.0012	< 0.0016	< 0.0019	< 0.0016	< 0.0019	< 0.0019	< 0.0019
Methylcyclohexane		< 0.0017	< 0.0015	< 0.0015	< 0.0011	< 0.0012	< 0.0016	< 0.0019	< 0.0016	< 0.0019	< 0.0019	< 0.0019
Methylene chloride	500	< 0.017	< 0.015	< 0.015	< 0.011	< 0.012	< 0.016	< 0.019	< 0.016	< 0.019	< 0.019	< 0.019
Tetrachloroethene	150	< 0.0017	< 0.0015	< 0.0015	< 0.0011	< 0.0012	< 0.0016	< 0.0019	< 0.0016	< 0.0019	< 0.0019	< 0.0019
Toluene	500	< 0.0017	< 0.0015	< 0.0015	< 0.0011	< 0.0012	< 0.0016	< 0.0019	< 0.0016	< 0.0019	< 0.0019	< 0.0019
Trichloroethene	200	< 0.0017	< 0.0015	< 0.0015	< 0.0011	< 0.0012	< 0.0016	< 0.0019	< 0.0016	< 0.0019	< 0.0019	< 0.0019
Trichlorofluoromethane		< 0.0085	< 0.0075	< 0.0077	< 0.0056	< 0.0059	< 0.0078	< 0.0097	< 0.0079	< 0.0097	< 0.0093	< 0.0095
Semivolatile Organic Compounds (SVOC) (mg/kg)												
1,1'-Biphenyl		< 0.7	< 0.71	< 0.7	< 0.72	< 0.75	< 0.83	< 0.69	< 0.74	< 0.7	< 0.69	< 0.69
2-Methylnaphthalene		< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Acenaphthene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Anthracene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Benzo(a)anthracene	5.6	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Benzo(a)pyrene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Benzo(b)fluoranthene	5.6	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Bis(2-ethylhexyl)phthalate		< 0.36	< 0.36	< 0.35	< 0.36	< 0.38	< 0.42	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Butylbenzyl phthalate		< 0.36	< 0.36	< 0.35	< 0.36	< 0.38	< 0.42	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Chrysene	56	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Dibenzofuran	350	< 0.36	< 0.36	< 0.35	< 0.36	< 0.38	< 0.42	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Dimethyl phthalate		< 0.36	< 0.36	< 0.35	< 0.36	< 0.38	< 0.42	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Fluoranthene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Fluorene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Hexachlorobenzene	6	< 0.36	< 0.36	< 0.35	< 0.36	< 0.38	< 0.42	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Naphthalene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Phenanthrene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Phenol	500	< 0.36	< 0.36	< 0.35	< 0.36	< 0.38	< 0.42	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Pyrene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.21	< 0.18	< 0.19	< 0.18	< 0.17	< 0.18
Metals (mg/kg)												
Aluminum		4000	4300	4200	4700	2400	3100	3300	2800	1300	2200	2800
Antimony		< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 2.1	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7
Arsenic	16	3.1 J	< 3.5	2.0 J	< 3.5	< 3.6	< 4.2	< 3.4	< 3.6	< 3.5	< 3.5	< 3.3
Barium	400	11	20	12	20	4.7	8.8	7.0	9.9	3.3	9.9	11
Beryllium	590	0.21	0.23	0.17	0.27	0.10 J	0.13 J	0.13 J	0.15 J	< 0.18	0.12 J	0.14 J
Cadmium	9.3	0.22 J	< 0.35	< 0.34	< 0.35	< 0.36	< 0.42	< 0.34	< 0.36	< 0.35	< 0.35	< 0.33
Calcium		290	260	6800	3600	1900	3500	96	990	87	55	86
Chromium	1500	5.8	15	7.9	20	4.0	14	4.5	4.6	2.2	3.7	4.2
Cobalt		2.0	3.1	2.1	3.0	1.7 J	2.2	2.0	2.2	1.1 J	1.6 J	2.0
Copper	270	5.2	6.5	4.4	8.4	3.1	4.7	3.0	4.2	2.4	3.5	4.0
Iron		11000	6300	5500	7300	4000	4900	4500	4200	2800	3600	4200
Lead	1000	22	3.2	3.8	3.7	1.8	2.5	2.3	2.3	1.3	1.8	2.0
Magnesium		550	1000	2000	1900	570	650	610	860	300	570	830
Manganese	10000	450	230	240	220	82	130	140	140	71	110	110
Mercury	2.8	< 0.026	< 0.025	< 0.025	< 0.026	< 0.027	< 0.028	< 0.026	< 0.028	< 0.024	< 0.026	< 0.024
Nickel	310	6.4	5.4	4.0	6.0	2.7	3.9	3.7	4.1	2.2	2.8	3.9
Potassium		180	550	330	620	140 J	240	200	380	150 J	310	370
Selenium	1500	2.2 J	1.8 J	0.90 J	1.9 J	1.1 J	1.3 J	1.1 J	1.0 J	< 3.5	0.98 J	1.0 J
Silver	1500	< 0.35	< 0.35	< 0.34	< 0.35	< 0.36	< 0.42	< 0.34	< 0.36	< 0.35	< 0.35	< 0.33
Sodium		< 170	< 170	< 170	44 J	< 180	51 J	< 170	< 180	< 180	< 170	< 170
Thallium		< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 2.1	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7
Vanadium		15	8.5	7.2	9.5	4.2	6.5	6.1	5.6	3.0	4.9	5.4
Zinc	10000	91	12	10	14	5.8	7.5	7.3	11	6.1	7.8	9.9
Polychlorinated Biphenyls (PCB) (mg/kg)												
PCB, Total	1	< 0.079	< 0.085	0.035	< 0.085	0.043	< 0.094	< 0.078	< 0.085	< 0.082	< 0.08	< 0.078
PCB-1016	1	< 0.079	< 0.085	< 0.079	< 0.085	< 0.084	< 0.094	< 0.078	< 0.085	< 0.082	< 0.08	< 0.078
PCB-1242	1	< 0.079	< 0.085	< 0.079	< 0.085	< 0.084	< 0.094	< 0.078	< 0.085	< 0.082	< 0.08	< 0.078
PCB-1248	1	< 0.079	< 0.085	< 0.079	< 0.085	< 0.084	< 0.094	< 0.078	< 0.085	< 0.082	< 0.08	< 0.078
PCB-1254	1	< 0.079	< 0.085	0.035 JD	< 0.085	0.043 JD	< 0.094	< 0.078	< 0.085	< 0.082	< 0.08	< 0.078
PCB-1260	1	< 0.079	< 0.085	< 0.079	< 0.085	< 0.084	< 0.094	< 0.078	< 0.085	< 0.082	< 0.08	< 0.078
PCB-1268	1	< 0.079	< 0.085	< 0.079	< 0.085	< 0.084	< 0.094	< 0.078	< 0.085	< 0.082	< 0.08	< 0.078
PFAS Compounds (µg/kg)												
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorododecanoic acid (PFDoA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluoroheptanoic acid (PFHpA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorohexanoic acid (PFHxA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorononane sulfonic acid (PFNS)		NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorooctanoic acid (PFOA)	500	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluoropentanoic acid (PFPeA)		NA	NA	NA	NA	< 0.39	NA	NA	NA	< 0.39	NA	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorotridecanoic acid (PFTrDA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluoroundecanoic acid (PFUnA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA

Location:	Part 375 Commercial	SB-134	SB-135	SB-135	SB-136	SB-136	SB-137	SB-137	SB-138	SB-138	SB-138	SB-139	SB-139	SB-140	SB-140
Date Collected:		03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/14/2024
Sample ID:		SB-134 (13-15)	SB-135 (3-5)	SB-135 (13-15)	SB-136 (3-5)	SB-136 (13-15)	SB-137 (3-5)	SB-137 (13-15)	DUP-04	SB-138 (3-5)	SB-138 (13-15)	SB-139 (3-5)	SB-139 (13-15)	SB-140 (2-4)	SB-140 (12-14)
Laboratory Sample ID:		24C1753-07	24C1753-08	24C1753-09	24C1753-10	24C1753-11	24C1753-12	24C1753-13	24C1753-24	24C1753-14	24C1753-15	24C1753-16	24C1753-17	24C1753-18	24C1753-19
Volatile Organic Compounds (VOCs) (mg/kg)															
2-Butanone (MEK)	500	< 0.024	< 0.038	< 0.036	< 0.038	< 0.035	< 0.036	< 0.036	< 0.035	< 0.035	< 0.029	< 0.035	< 0.039	< 0.038	< 0.039
Acetone	500	< 0.06	< 0.095	< 0.089	< 0.094	< 0.089	< 0.091	< 0.091	< 0.087	0.060 J	< 0.072	< 0.088	< 0.097	< 0.094	< 0.098
Benzene	44	< 0.0012	< 0.0019	< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0014	< 0.0018	< 0.0019	< 0.0019	< 0.002
cis-1,2-Dichloroethene	500	< 0.0012	< 0.0019	< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0014	< 0.0018	< 0.0019	< 0.0019	< 0.002
Dichlorodifluoromethane		< 0.012	< 0.019	< 0.018	< 0.019	< 0.018	< 0.018	< 0.018	< 0.017	< 0.018	< 0.014	< 0.018	< 0.019	< 0.019	< 0.02
Isopropylbenzene		< 0.0012	< 0.0019	< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0014	< 0.0018	< 0.0019	< 0.0019	< 0.002
Methyl acetate		< 0.0012	< 0.0019	< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0014	< 0.0018	< 0.0019	< 0.0019	< 0.002
Methylcyclohexane		< 0.0012	< 0.0019	< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0014	< 0.0018	< 0.0019	< 0.0019	< 0.002
Methylene chloride	500	< 0.012	< 0.019	< 0.018	< 0.019	< 0.018	< 0.018	< 0.018	< 0.017	< 0.018	< 0.014	< 0.018	< 0.019	< 0.019	< 0.02
Tetrachloroethene	150	< 0.0012	< 0.0019	< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0014	< 0.0018	< 0.0019	< 0.0019	< 0.002
Toluene	500	< 0.0012	< 0.0019	< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0014	< 0.0018	< 0.0019	< 0.0019	< 0.002
Trichloroethene	200	< 0.0012	< 0.0019	< 0.0018	< 0.0019	< 0.0018	< 0.0018	< 0.0018	< 0.0017	< 0.0018	< 0.0014	0.0010 J	< 0.0019	< 0.0019	< 0.002
Trichlorofluoromethane		< 0.006	< 0.0095	< 0.0089	< 0.0094	< 0.0089	< 0.0091	< 0.0091	< 0.0087	< 0.0088	< 0.0072	< 0.0088	< 0.0097	< 0.0094	< 0.0098
Semivolatile Organic Compounds (SVOC) (mg/kg)															
1,1'-Biphenyl		< 0.69	< 0.71	< 0.69	< 0.71	< 0.73	< 0.71	< 0.7	< 0.7	< 0.69	< 0.69	< 0.73	< 0.69	< 0.7	< 0.69
2-Methylnaphthalene		< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Acenaphthene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Anthracene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Benzo(a)anthracene	5.6	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Benzo(a)pyrene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Benzo(b)fluoranthene	5.6	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Bis(2-ethylhexyl)phthalate		< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.35	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Butylbenzyl phthalate		< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.35	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Chrysene	56	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Dibenzofuran	350	< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.35	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Dimethyl phthalate		< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.35	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Fluoranthene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Fluorene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Hexachlorobenzene	6	< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.35	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Naphthalene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Phenanthrene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Phenol	500	< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36	< 0.35	< 0.35	< 0.37	< 0.35	< 0.35	< 0.35
Pyrene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.19	< 0.18	< 0.18	< 0.17
Metals (mg/kg)															
Aluminum		2100	2300	2300	2800	2000	3000	4000	3600	3200	2300	4400	2100	2900	1300
Antimony		< 1.8	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7
Arsenic	16	< 3.5	< 3.5	< 3.5	< 3.4	< 3.6	< 3.5	< 3.5	< 3.4	0.74 J	< 3.5	< 3.5	< 3.3	< 3.4	< 3.4
Barium	400	12	7.8	12	9.6	9.2	9.6	20	19	6.8	12	10	3.7	8.8	8.3
Beryllium	590	0.11 J	0.10 J	0.13 J	0.15 J	0.095 J	0.14 J	0.22	0.22	0.12 J	0.12 J	0.15 J	0.13 J	0.16 J	0.089 J
Cadmium	9.3	< 0.35	< 0.35	< 0.35	< 0.34	< 0.36	< 0.35	< 0.35	< 0.34	< 0.34	< 0.35	< 0.35	< 0.33	< 0.34	< 0.34
Calcium		120	110	140	110	75	110	190	130	120	91	320	110	140	53
Chromium	1500	4.0	3.8	5.7	4.8	5.6	4.2	7.8	5.7	4.4	4.8	5.4	3.7	5.5	3.0
Cobalt		1.6 J	1.8	1.7 J	3.0	1.4 J	2.4	2.6	2.1	2.2	1.6 J	1.2 J	1.3 J	2.1	1.1 J
Copper	270	3.8	3.8	3.9	5.4	3.0	9.4	6.6	6.6	3.3	3.5	3.2	4.0	5.9	4.1
Iron		3800	3600	4200	4500	3400	4200	6200	5100	4100	3900	4700	3200	4300	2600
Lead	1000	1.7	1.7	1.7	3.9	1.8	2.4	2.3	2.5	2.3	1.8	6.2	1.6	2.8	1.6
Magnesium		590	650	610	630	500	800	1100	850	520	650	480	510	590	380
Manganese	10000	110	99	110	160	89	130	160	160	82	130	46	73	120	74
Mercury	2.8	< 0.026	< 0.025	< 0.026	0.012 J	< 0.025	< 0.026	< 0.025	< 0.025	< 0.025	< 0.024	< 0.026	< 0.025	< 0.026	< 0.025
Nickel	310	2.8	3.6	3.1	3.8	2.6	4.1	5.2	4.3 B	3.6	3.2	4.3	2.3 B	4.5 B	2.2 B
Potassium		350	310	380	360	230	410	660	510	170	360	170 J	170	290	180
Selenium	1500	0.89 J	0.90 J	1.1 J	1.1 J	0.93 J	1.0 J	1.4 J	< 3.4	1.0 J	0.85 J	1.3 J	< 3.3	< 3.4	< 3.4
Silver	1500	< 0.35	< 0.35	< 0.35	< 0.34	< 0.36	< 0.35	< 0.35	< 0.34	< 0.34	< 0.35	< 0.35	< 0.33	< 0.34	< 0.34
Sodium		< 180	< 170	< 170	< 170	< 180	< 170	73 J	71 J	< 170	< 170	< 180	< 170	< 170	< 170
Thallium		< 1.8	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7
Vanadium		5.4	4.7	6.1	6.0	4.8	5.4	8.4	7.3	5.6	5.2	7.6	4.4	6.1	3.6
Zinc	10000	7.8	7.6	7.8	12	5.6	7.8	12	10	5.5	7.5	71	5.5	7.4	5.3
Polychlorinated Biphenyls (PCB) (mg/kg)															
PCB, Total	1	< 0.082	< 0.082	< 0.08	0.28	< 0.082	< 0.083	< 0.083	< 0.079	< 0.08	< 0.078	< 0.087	< 0.079	< 0.082	< 0.078
PCB-1016	1	< 0.082	< 0.082	< 0.08	< 0.08	< 0.082	< 0.083	< 0.083	< 0.079	< 0.08	< 0.078	< 0.087	< 0.079	< 0.082	< 0.078
PCB-1242	1	< 0.082	< 0.082	< 0.08	< 0.08	< 0.082	< 0.083	< 0.083	< 0.079	< 0.08	< 0.078	< 0.087	< 0.079	< 0.082	< 0.078
PCB-1248	1	< 0.082	< 0.082	< 0.08	< 0.08	< 0.082	< 0.083	< 0.083	< 0.079	< 0.08	< 0.078	< 0.087	< 0.079	< 0.082	< 0.078
PCB-1254	1	< 0.082	< 0.082	< 0.08	0.23 D	< 0.082	< 0.083	< 0.083	< 0.079	< 0.08	< 0.078	< 0.087	< 0.079	< 0.082	< 0.078
PCB-1260	1	< 0.082	< 0.082	< 0.08	0.050 JD	< 0.082	< 0.083	< 0.083	< 0.079	< 0.08	< 0.078	< 0.087	< 0.079	< 0.082	< 0.078
PCB-1268	1	< 0.082	< 0.082	< 0.08	< 0.08	< 0.082	< 0.083	< 0.083	< 0.079	< 0.08	< 0.078	< 0.087	< 0.079	< 0.082	< 0.078
PFAS Compounds (µg/kg)															
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorododecanoic acid (PFDoA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluoroheptanoic acid (PFHpA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorohexanoic acid (PFHxA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorononane sulfonic acid (PFNS)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorooctanoic acid (PFOA)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluoropentanoic acid (PFPeA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.39	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluorotridecanoic acid (PFTrDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA
Perfluoroundecanoic acid (PFUnA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented

mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:	Part 375 Commercial	SB-141	SB-141	SB-142	SB-142	SB-143	SB-143	SB-144	SB-144	SB-145	SB-145	SB-146
Date Collected:		03/14/2024	03/14/2024	03/14/2024	03/14/2024	03/15/2024	03/15/2024	03/15/2024	03/15/2024	03/15/2024	03/15/2024	03/15/2024
Sample ID:		SB-141 (2-4)	SB-141 (12-14)	SB-142 (2-4)	SB-142 (12-14)	SB-143 (2-4)	SB-143 (12-14)	SB-144 (2-4)	SB-144 (12-14)	SB-145 (5-7)	SB-145 (15-17)	SB-146 (5-7)
Laboratory Sample ID:		24C1753-20	24C1753-21	24C1753-22	24C1753-23	24C1967-01	24C1967-02	24C1967-03	24C1967-04	24C1967-05	24C1967-06	24C1967-07
Volatile Organic Compounds (VOCs) (mg/kg)												
2-Butanone (MEK)	500	< 0.027	< 0.038	< 0.037	< 0.041	< 0.034	< 0.025	< 0.024	< 0.027	< 0.027	< 0.027	< 0.028
Acetone	500	< 0.066	< 0.096	< 0.092	< 0.1	< 0.085	< 0.062	< 0.061	< 0.066	< 0.069	< 0.066	< 0.07
Benzene	44	< 0.0013	< 0.0019	< 0.0018	< 0.002	< 0.0017	< 0.0012	< 0.0012	< 0.0013	< 0.0014	< 0.0013	< 0.0014
cis-1,2-Dichloroethene	500	< 0.0013	< 0.0019	< 0.0018	< 0.002	< 0.0017	< 0.0012	< 0.0012	< 0.0013	< 0.0014	< 0.0013	< 0.0014
Dichlorodifluoromethane		< 0.013	< 0.019	< 0.018	< 0.02	< 0.017	< 0.012	< 0.012	< 0.013	< 0.014	< 0.013	< 0.014
Isopropylbenzene		< 0.0013	< 0.0019	< 0.0018	< 0.002	< 0.0017	< 0.0012	< 0.0012	< 0.0013	< 0.0014	< 0.0013	< 0.0014
Methyl acetate		< 0.0013	< 0.0019	< 0.0018	< 0.002	< 0.0017	< 0.0012	< 0.0012	< 0.0013	< 0.0014	< 0.0013	< 0.0014
Methylcyclohexane		< 0.0013	< 0.0019	< 0.0018	< 0.002	< 0.0017	< 0.0012	< 0.0012	< 0.0013	< 0.0014	< 0.0013	< 0.0014
Methylene chloride	500	< 0.013	< 0.019	< 0.018	< 0.02	< 0.017	< 0.012	< 0.012	< 0.013	< 0.014	< 0.013	< 0.014
Tetrachloroethene	150	< 0.0013	< 0.0019	< 0.0018	< 0.002	< 0.0017	< 0.0012	< 0.0012	< 0.0013	< 0.0014	< 0.0013	< 0.0014
Toluene	500	< 0.0013	< 0.0019	< 0.0018	< 0.002	< 0.0017	< 0.0012	< 0.0012	< 0.0013	< 0.0014	< 0.0013	< 0.0014
Trichloroethene	200	< 0.0013	< 0.0019	< 0.0018	< 0.002	< 0.0017	< 0.0012	< 0.0012	< 0.0013	< 0.0014	< 0.0013	< 0.0014
Trichlorofluoromethane		< 0.0066	< 0.0096	< 0.0092	< 0.01	< 0.0085	< 0.0062	< 0.0061	< 0.0066	< 0.0069	< 0.0066	< 0.007
Semivolatile Organic Compounds (SVOC) (mg/kg)												
1,1'-Biphenyl		< 0.7	< 0.7	< 0.7	< 0.71	< 0.69	< 0.72	< 0.7	< 0.78	< 0.69	< 0.7	< 0.72
2-Methylnaphthalene		< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Acenaphthene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Anthracene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Benzo(a)anthracene	5.6	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Benzo(a)pyrene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Benzo(b)fluoranthene	5.6	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Bis(2-ethylhexyl)phthalate		< 0.36	< 0.35	< 0.35	< 0.36	< 0.35	< 0.36	< 0.35	< 0.39	< 0.35	< 0.36	< 0.36
Butylbenzyl phthalate		< 0.36	< 0.35	< 0.35	< 0.36	< 0.35	< 0.36	< 0.35	< 0.39	< 0.35	< 0.36	< 0.36
Chrysene	56	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Dibenzofuran	350	< 0.36	< 0.35	< 0.35	< 0.36	< 0.35	< 0.36	< 0.35	< 0.39	< 0.35	< 0.36	< 0.36
Dimethyl phthalate		< 0.36	< 0.35	< 0.35	< 0.36	< 0.35	< 0.36	< 0.35	< 0.39	< 0.35	< 0.36	< 0.36
Fluoranthene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Fluorene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Hexachlorobenzene	6	< 0.36	< 0.35	< 0.35	< 0.36	< 0.35	< 0.36	< 0.35	< 0.39	< 0.35	< 0.36	< 0.36
Naphthalene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Phenanthrene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Phenol	500	< 0.36	< 0.35	< 0.35	< 0.36	< 0.35	< 0.36	< 0.35	< 0.39	< 0.35	< 0.36	< 0.36
Pyrene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.18
Metals (mg/kg)												
Aluminum		2100	2100	2600	1600	1600	2000	1700	2700	2800	2500	1700
Antimony		< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 2	< 1.7	< 1.7	< 1.8
Arsenic	16	< 3.4	< 3.4	< 3.4	< 3.5	1.2 J	1.6 J	1.5 J	3.4 J	1.6 J	1.4 J	1.9 J
Barium	400	6.3	8.7	7.6	7.1	5.8	12	7.5	18	11	11	6.0
Beryllium	590	0.13 J	0.13 J	0.15 J	0.10 J	0.092 J	0.11 J	0.11 J	0.24	0.17	0.14 J	0.17 J
Cadmium	9.3	< 0.34	< 0.34	< 0.34	< 0.35	< 0.34	< 0.35	< 0.34	< 0.39	< 0.34	< 0.34	< 0.35
Calcium		64	42	170	69	83	70	390	140	13000	8800	84
Chromium	1500	4.3	2.9	3.5	2.7	2.4	3.7	2.7	4.9	7.1	10	1.8
Cobalt		1.7 J	1.6 J	1.7	1.1 J	1.0 J	1.2 J	0.99 J	2.5	1.4 J	1.4 J	1.1 J
Copper	270	4.7	4.2	5.0	3.7	3.9	4.8	4.1	5.5	5.5	5.0	5.9
Iron		3400	3100	3600	2600	2700	3300	2700	5800	3500	3400	3000
Lead	1000	1.8	1.6	2.3	1.4	1.7	1.7	1.8	2.6	1.7	1.6	3.4
Magnesium		510	470	540	400	330	450	360	700	4900	2100	470
Manganese	10000	130	83	120	85	96	98	74	310	110	89	290
Mercury	2.8	< 0.026	< 0.026	< 0.025	< 0.024	< 0.025	< 0.027	< 0.023	< 0.029	< 0.024	< 0.023	< 0.024
Nickel	310	3.3 B	2.6 B	3.4 B	2.4 B	2.0	2.4	2.1	4.1	3.4	3.4	2.0
Potassium		210	260	270	200	190	260	260	400	330	360	280
Selenium	1500	< 3.4	< 3.4	< 3.4	< 3.5	< 3.4	< 3.5	< 3.4	1.1 J	< 3.4	< 3.4	< 3.5
Silver	1500	< 0.34	< 0.34	< 0.34	< 0.35	< 0.34	< 0.35	< 0.34	< 0.39	< 0.34	< 0.34	< 0.35
Sodium		< 170	< 170	< 170	< 170	< 170	< 170	< 170	< 200	53 J	58 J	< 180
Thallium		< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 2	< 1.7	< 1.7	< 1.8
Vanadium		5.3	4.4	5.3	3.6	3.3	4.5	4.0	10	6.7	5.8	2.4
Zinc	10000	6.1	6.5	8.2	4.9	4.5	5.8	4.8	11	6.6	6.4	4.0
Polychlorinated Biphenyls (PCB) (mg/kg)												
PCB, Total	1	< 0.08	< 0.084	0.021	< 0.081	< 0.078	< 0.08	< 0.077	< 0.092	< 0.082	< 0.083	< 0.079
PCB-1016	1	< 0.08	< 0.084	< 0.082	< 0.081	< 0.078	< 0.08	< 0.077	< 0.092	< 0.082	< 0.083	< 0.079
PCB-1242	1	< 0.08	< 0.084	< 0.082	< 0.081	< 0.078	< 0.08	< 0.077	< 0.092	< 0.082	< 0.083	< 0.079
PCB-1248	1	< 0.08	< 0.084	< 0.082	< 0.081	< 0.078	< 0.08	< 0.077	< 0.092	< 0.082	< 0.083	< 0.079
PCB-1254	1	< 0.08	< 0.084	< 0.082	< 0.081	< 0.078	< 0.08	< 0.077	< 0.092	< 0.082	< 0.083	< 0.079
PCB-1260	1	< 0.08	< 0.084	0.021 JD	< 0.081	< 0.078	< 0.08	< 0.077	< 0.092	< 0.082	< 0.083	< 0.079
PCB-1268	1	< 0.08	< 0.084	< 0.082	< 0.081	< 0.078	< 0.08	< 0.077	< 0.092	< 0.082	< 0.083	< 0.079
PFAS Compounds (µg/kg)												
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	500	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)		NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)		NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA

Location:	Part 375 Commercial	SB-146	SB-147	SB-147	SB-147	SB-148	SB-149	SB-149	SB-150	SB-150	SB-151	SB-151	SB-152	SB-152	SB-153
Date Collected:		03/15/2024	03/15/2024	03/15/2024	03/15/2024	03/15/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024
Sample ID:		SB-146 (15-17)	DUP-05	SB-147 (5-7)	SB-147 (15-17)	SB-148 (2-4)	SB-149 (2-4)	SB-149 (12-14)	SB-150 (2-4)	SB-150 (12-14)	SB-151 (3-5)	SB-151 (13-15)	SB-152 (3-5)	SB-152 (13-15)	SB-153 (3-5)
Laboratory Sample ID:		24C1967-08	24C1967-13	24C1967-09	24C1967-10	24C1967-11	24C2190-01	24C2190-02	24C2190-03	24C2190-04	24C2190-05	24C2190-06	24C2190-07	24C2190-08	24C2190-09
Volatile Organic Compounds (VOCs) (mg/kg)															
2-Butanone (MEK)	500	< 0.037	< 0.029	< 0.024	< 0.025	< 0.03	< 0.021	< 0.018	< 0.024	< 0.018	< 0.023	< 0.024	< 0.022	< 0.02	< 0.024
Acetone	500	< 0.091	< 0.072	< 0.061	< 0.062	< 0.074	< 0.052	< 0.045	< 0.059	< 0.045	< 0.058	< 0.061	< 0.056	< 0.05	< 0.06
Benzene	44	< 0.0018	< 0.0014	< 0.0012	< 0.0012	< 0.0015	< 0.001	< 0.00091	< 0.0012	< 0.00089	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012
cis-1,2-Dichloroethene	500	< 0.0018	< 0.0014	< 0.0012	< 0.0012	< 0.0015	< 0.001	< 0.00091	< 0.0012	< 0.00089	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012
Dichlorodifluoromethane		< 0.018	< 0.014	< 0.012	< 0.012	< 0.015	< 0.01	< 0.0091	< 0.012	< 0.0089	< 0.012	< 0.012	< 0.011	< 0.01	< 0.012
Isopropylbenzene		< 0.0018	< 0.0014	< 0.0012	< 0.0012	< 0.0015	< 0.001	< 0.00091	< 0.0012	< 0.00089	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012
Methyl acetate		< 0.0018	< 0.0014	< 0.0012	< 0.0012	< 0.0015	< 0.001	< 0.00091	< 0.0012	< 0.00089	0.0027	< 0.0012	< 0.0011	< 0.001	< 0.0012
Methylcyclohexane		< 0.0018	< 0.0014	< 0.0012	< 0.0012	< 0.0015	< 0.001	< 0.00091	< 0.0012	< 0.00089	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012
Methylene chloride	500	< 0.018	< 0.014	< 0.012	< 0.012	< 0.015	< 0.01	< 0.0091	< 0.012	< 0.0089	< 0.012	< 0.012	< 0.011	< 0.01	< 0.012
Tetrachloroethene	150	< 0.0018	< 0.0014	< 0.0012	< 0.0012	< 0.0015	< 0.001	< 0.00091	< 0.0012	< 0.00089	< 0.0012	0.0060	< 0.0011	< 0.001	< 0.0012
Toluene	500	< 0.0018	< 0.0014	< 0.0012	< 0.0012	< 0.0015	< 0.001	< 0.00091	< 0.0012	< 0.00089	< 0.0012	< 0.0012	< 0.0011	< 0.001	< 0.0012
Trichloroethene	200	< 0.0018	< 0.0014	< 0.0012	< 0.0012	< 0.0015	< 0.001	< 0.00091	< 0.0012	0.00061 J	0.018	0.11	< 0.0011	< 0.001	< 0.0012
Trichlorofluoromethane		< 0.0091	< 0.0072	< 0.0061	< 0.0062	< 0.0074	< 0.0052	< 0.0045	< 0.0059	< 0.0045	< 0.0058	< 0.0061	< 0.0056	< 0.005	< 0.006
Semivolatile Organic Compounds (SVOC) (mg/kg)															
1,1'-Biphenyl		< 0.7	< 0.71	< 0.7	< 0.71	< 0.71	< 0.72	< 0.7	< 0.71	< 0.7	< 0.72	< 0.7	< 0.69	< 0.69	< 0.7
2-Methylnaphthalene		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Acenaphthene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Anthracene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Benzo(a)anthracene	5.6	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Benzo(a)pyrene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Benzo(b)fluoranthene	5.6	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Bis(2-ethylhexyl)phthalate		< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	0.33 J	< 0.35	< 0.35	< 0.36
Butylbenzyl phthalate		< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.35	< 0.35	< 0.36
Chrysene	56	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Dibenzofuran	350	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.35	< 0.35	< 0.36
Dimethyl phthalate		< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.35	< 0.35	< 0.36
Fluoranthene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Fluorene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Hexachlorobenzene	6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	0.15 J	< 0.35	< 0.35	< 0.36
Naphthalene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Phenanthrene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Phenol	500	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.35	< 0.35	< 0.36
Pyrene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18
Metals (mg/kg)															
Aluminum		3900	2700	3100	2700	3400	7900	3200	4200	2200	2800	1400	2200	2200	3300
Antimony		< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	0.45 J	0.39 J	0.78 J	< 1.7	< 1.8	1.3 J	< 1.7	< 1.7	< 1.7
Arsenic	16	2.1 J	1.4 J	2.5 J	1.4 J	1.0 J	1.5 J	3.0 J	0.79 J	0.83 J	< 3.6	< 3.5	0.99 J	1.1 J	0.97 J
Barium	400	14	12	21	11	12	14	11	11	7.5	23	22	6.4	12	10
Beryllium	590	0.20	0.14 J	0.18	0.14 J	0.15 J	0.18	0.16 J	0.11 J	0.088 J	< 0.18	< 0.17	0.10 J	0.10 J	0.13 J
Cadmium	9.3	< 0.35	< 0.35	< 0.34	< 0.34	0.17 J	< 0.35	0.15 J	< 0.33	< 0.35	0.29 J	0.34 J	< 0.35	< 0.34	< 0.34
Calcium		5500	330	360	5500	570	220	1900	250	700	1500	1100	280	56	110
Chromium	1500	8.7	5.1	5.4	7.4	5.2	8.5	30	6.0	8.0	27	9.9	3.7	3.9	5.1
Cobalt		2.6	1.4 J	2.4	1.4 J	1.6 J	2.7	2.5	1.9	1.5 J	< 1.8	< 1.7	1.7 J	1.5 J	2.3
Copper	270	7.1	4.6	6.3	5.3	7.6	4.3	6.7	2.8	4.2	6.5	2.0	3.8	5.4	3.5
Iron		5400	4000	5200	3700	3700	7400	8800	5400	3600	3800	1800	4000	3200	4100
Lead	1000	2.6	1.7	2.8	1.9	81	4.1	4.3	2.7	2.4	130	95	2.2	2.2	2.3
Magnesium		1800	610	880	1200	670	890	1100	720	580	350	96	600	440	660
Manganese	10000	160	110	210	100	100	90	180	110	94	20	10	120	86	110
Mercury	2.8	< 0.026	< 0.024	< 0.024	< 0.026	< 0.025	< 0.027	< 0.026	< 0.025	< 0.025	< 0.024	< 0.025	< 0.026	< 0.025	< 0.025
Nickel	310	5.2	3.3	4.3	3.3	5.3	5.6	4.4	4.2	3.2	8.0	0.45 JB	3.6	4.2	3.6
Potassium		400	340	380	360	760	720	580	360	350	720	1200	260	360	510
Selenium	1500	< 3.5	< 3.5	< 3.4	< 3.4	< 3.5	< 3.5	< 3.5	< 3.3	< 3.5	< 3.6	< 3.5	< 3.5	< 3.4	< 3.4
Silver	1500	< 0.35	< 0.35	< 0.34	< 0.34	< 0.35	< 0.35	< 0.35	< 0.33	< 0.35	< 0.36	< 0.35	< 0.35	< 0.34	< 0.34
Sodium		72 J	< 170	< 170	< 170	1700	< 180	< 170	< 170	< 170	900	110 J	< 170	45 J	86 J
Thallium		< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7
Vanadium		7.9	4.6	7.0	5.7	7.6	16	14	15	7.5	100	170	5.6	4.4	6.9
Zinc	10000	11	7.4	9.2	8.2	19	11	12	8.6	9.0	2.7	0.87	8.3	9.1	7.3
Polychlorinated Biphenyls (PCB) (mg/kg)															
PCB, Total	1	< 0.08	< 0.082	< 0.08	< 0.082	< 0.085	< 0.08	< 0.082	< 0.08	< 0.079	0.205	1.32	< 0.084	< 0.081	< 0.084
PCB-1016	1	< 0.08	< 0.082	< 0.08	< 0.082	< 0.085	< 0.08	< 0.082	< 0.08	< 0.079	< 0.081	< 0.082	< 0.084	< 0.081	< 0.084
PCB-1242	1	< 0.08	< 0.082	< 0.08	< 0.082	< 0.085	< 0.08	< 0.082	< 0.08	< 0.079	< 0.081	< 0.082	< 0.084	< 0.081	< 0.084
PCB-1248	1	< 0.08	< 0.082	< 0.08	< 0.082	< 0.085	< 0.08	< 0.082	< 0.08	< 0.079	0.025 JD	0.32 D	< 0.084	< 0.081	< 0.084
PCB-1254	1	< 0.08	< 0.082	< 0.08	< 0.082	< 0.085	< 0.08	< 0.082	< 0.08	< 0.079	0.052 JD	0.47 D	< 0.084	< 0.081	< 0.084
PCB-1260	1	< 0.08	< 0.082	< 0.08	< 0.082	< 0.085	< 0.08	< 0.082	< 0.08	< 0.079	0.086 D	0.35 D	< 0.084	< 0.081	< 0.084
PCB-1268	1	< 0.08	< 0.082	< 0.08	< 0.082	< 0.085	< 0.08	< 0.082	< 0.08	< 0.079	0.042 JD	0.18 D	< 0.084	< 0.081	< 0.084
PFAS Compounds (µg/kg)															
Perfluorodecanoic acid (PFDA)		NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorododecanoic acid (PFDoA)		NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluoroheptanoic acid (PFHpA)		NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorohexanoic acid (PFHxA)		NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorononane sulfonic acid (PFNS)		NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	< 0.2	NA	< 0.2	NA	NA	0.047 J	NA	NA	NA	< 0.2	NA	NA
Perfluorooctanoic acid (PFOA)	500	NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluoropentanoic acid (PFPeA)		NA	NA	< 0.4	NA	< 0.39	NA	NA	< 0.39	NA	NA	NA	< 0.39	NA	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluorotridecanoic acid (PFTrDA)		NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA
Perfluoroundecanoic acid (PFUnA)		NA	NA	< 0.2	NA	< 0.2	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented

mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:	Part 375 Commercial	SB-153	SB-154	SB-154	SB-155	SB-155	SB-156	SB-156	SB-157	SB-157	SB-158	SB-158	SB-158
Date Collected:		03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/15/2024	03/18/2024
Sample ID:		SB-153 (13-15)	SB-154 (3-5)	SB-154 (13-15)	SB-155 (3-5)	SB-155 (13-15)	SB-156 (3-5)	SB-156 (13-15)	SB-157 (3-5)	SB-157 (13-15)	SB-158 (7-9)	SB-158 (12-14)	SB-158 (17-19)
Laboratory Sample ID:		24C2190-10	24C2190-11	24C2190-12	24C2190-13	24C2190-14	24C2190-15	24C2190-16	24C2190-17	24C2190-18	24C2190-19	24C1967-12	24C2190-20
Volatile Organic Compounds (VOCs) (mg/kg)													
2-Butanone (MEK)	500	< 0.024	< 0.019	< 0.019	< 0.018	< 0.018	< 0.021	< 0.02	< 0.019	< 0.017	< 0.021	< 0.039	< 0.02
Acetone	500	< 0.059	< 0.048	< 0.047	< 0.045	< 0.045	< 0.051	< 0.051	< 0.047	< 0.042	< 0.051	< 0.096	< 0.051
Benzene	44	< 0.0012	< 0.00097	< 0.00094	< 0.0009	< 0.0009	< 0.001	< 0.001	< 0.00093	< 0.00084	< 0.001	< 0.0019	< 0.001
cis-1,2-Dichloroethene	500	< 0.0012	< 0.00097	< 0.00094	< 0.0009	< 0.0009	< 0.001	< 0.001	< 0.00093	< 0.00084	< 0.001	< 0.0019	< 0.001
Dichlorodifluoromethane		< 0.012	< 0.0097	< 0.0094	< 0.009	< 0.009	< 0.01	< 0.01	< 0.0093	< 0.0084	< 0.01	< 0.019	< 0.01
Isopropylbenzene		< 0.0012	< 0.00097	< 0.00094	< 0.0009	< 0.0009	< 0.001	< 0.001	< 0.00093	< 0.00084	< 0.001	< 0.0019	< 0.001
Methyl acetate		< 0.0012	< 0.00097	< 0.00094	< 0.0009	< 0.0009	< 0.001	< 0.001	< 0.00093	< 0.00084	< 0.001	< 0.0019	< 0.001
Methylcyclohexane		< 0.0012	< 0.00097	< 0.00094	< 0.0009	< 0.0009	< 0.001	< 0.001	< 0.00093	< 0.00084	< 0.001	< 0.0019	< 0.001
Methylene chloride	500	< 0.012	< 0.0097	< 0.0094	< 0.009	< 0.009	< 0.01	< 0.01	< 0.0093	< 0.0084	< 0.01	< 0.019	< 0.01
Tetrachloroethene	150	< 0.0012	< 0.00097	< 0.00094	< 0.0009	< 0.0009	< 0.001	< 0.001	< 0.00093	< 0.00084	< 0.001	< 0.0019	< 0.001
Toluene	500	< 0.0012	< 0.00097	< 0.00094	< 0.0009	< 0.0009	< 0.001	< 0.001	< 0.00093	< 0.00084	< 0.001	< 0.0019	< 0.001
Trichloroethene	200	< 0.0012	< 0.00097	< 0.00094	< 0.0009	< 0.0009	< 0.001	< 0.001	< 0.00093	< 0.00084	**0.0014**	< 0.0019	< 0.001
Trichlorofluoromethane		< 0.0059	< 0.0048	< 0.0047	< 0.0045	< 0.0045	< 0.0051	< 0.0051	< 0.0047	< 0.0042	< 0.0051	< 0.0096	< 0.0051
Semivolatile Organic Compounds (SVOC) (mg/kg)													
1,1'-Biphenyl		< 0.7	< 0.71	< 0.71	< 0.69	< 0.71	< 0.69	< 0.69	< 0.69	< 0.68	< 0.7	< 0.71	< 0.71
2-Methylnaphthalene		< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Acenaphthene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Anthracene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Benzo(a)anthracene	5.6	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Benzo(a)pyrene	1	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Benzo(b)fluoranthene	5.6	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Bis(2-ethylhexyl)phthalate		< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.35	< 0.34	< 0.35	< 0.36	< 0.36
Butylbenzyl phthalate		< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.35	< 0.34	< 0.35	< 0.36	< 0.36
Chrysene	56	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Dibenzofuran	350	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.35	< 0.34	< 0.35	< 0.36	< 0.36
Dimethyl phthalate		< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.35	< 0.34	< 0.35	< 0.36	< 0.36
Fluoranthene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Fluorene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Hexachlorobenzene	6	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.35	< 0.34	< 0.35	< 0.36	< 0.36
Naphthalene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Phenanthrene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Phenol	500	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.35	< 0.34	< 0.35	< 0.36	< 0.36
Pyrene	500	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.17	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18
Metals (mg/kg)													
Aluminum		**6500**	**5300**	**3000**	**3600**	**1500**	**3600**	**3000**	**1900**	**2200**	**3500**	**3600**	**1900**
Antimony		< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.6	< 1.8	< 1.7	< 1.6	< 1.7	< 1.7	< 1.7
Arsenic	16	**0.93 J**	**1.3 J**	**1.0 J**	**1.1 J**	**0.66 J**	**1.2 J**	**1.1 J**	**1.0 J**	**1.2 J**	**1.4 J**	**1.5 J**	**0.79 J**
Barium	400	**14**	**23**	**16**	**15**	**8.3**	**20**	**19**	**5.8**	**14**	**12**	**14**	**5.6**
Beryllium	590	**0.28**	**0.25**	**0.13 J**	**0.15 J**	< 0.17	**0.15 J**	NA	**0.10 J**	**0.14 J**	**0.16 J**	**0.16 J**	**0.11 J**
Cadmium	9.3	**0.76**	< 0.36	< 0.34	< 0.34	< 0.34	< 0.33	< 0.35	< 0.33	< 0.33	**0.14 J**	**0.17 J**	< 0.35
Calcium		**250**	**86**	**67**	**78**	**73**	**160**	**86**	**180**	**320**	**510**	**19000 D**	**190**
Chromium	1500	**8.8**	**7.1**	**6.9**	**5.2**	**3.2**	**5.4**	**6.4**	**6.1**	**5.3**	**7.2**	**16**	**3.1**
Cobalt		**2.9**	**2.6**	**1.5 J**	**1.9**	**1.1 J**	**2.0**	**2.0**	**1.5 J**	**1.9**	**1.8**	**1.5 J**	**1.4 J**
Copper	270	**22**	**6.0**	**4.2**	**3.7**	**3.9**	**4.5**	**4.3**	**4.5**	**4.9**	**4.5**	**5.4**	**2.9 B**
Iron		**5100**	**6500**	**4300**	**4400**	**2400**	**5300**	**4700**	**5200**	**4500**	**5200**	**4200**	**3000**
Lead	1000	**2.4**	**3.0**	**2.1**	**2.3**	**1.6**	**2.5**	**1.9**	**6.9**	**1.9**	**4.4**	**15**	**1.8**
Magnesium		**670**	**1300**	**520**	**820**	**300**	**920**	**1100**	**710**	**650**	**1200**	**4300**	**470**
Manganese	10000	**210**	**160**	**170**	**130**	**73**	**110**	**170**	**84**	**150**	**120**	**110**	**78**
Mercury	2.8	< 0.026	< 0.026	< 0.024	< 0.025	< 0.026	< 0.024	< 0.025	< 0.025	< 0.025	< 0.023	< 0.026	< 0.025
Nickel	310	**35**	**5.8**	**3.4**	**4.0**	**2.4**	**4.3**	**4.0**	**2.9**	**3.3**	**3.6**	**6.0**	**2.4**
Potassium		**880**	**1400**	**650**	**670**	**240**	**660**	**670**	**340**	**400**	**350**	**680**	**300**
Selenium	1500	< 3.5	< 3.6	< 3.4	< 3.4	< 3.4	< 3.3	< 3.5	< 3.3	< 3.3	< 3.5	< 3.4	< 3.5
Silver	1500	< 0.35	< 0.36	< 0.34	< 0.34	< 0.34	< 0.33	< 0.35	< 0.33	< 0.33	< 0.35	< 0.34	< 0.35
Sodium		**510**	**60 J**	**45 J**	< 170	< 170	**38 J**	< 180	< 170	< 160	< 170	**1000**	< 170
Thallium		< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.6	< 1.8	< 1.7	< 1.6	< 1.7	< 1.7	< 1.7
Vanadium		**27**	**9.9**	**6.4**	**6.9**	**3.6**	**7.9**	**6.5**	**5.8**	**6.1**	**7.1**	**8.8**	**4.2**
Zinc	10000	**29**	**17**	**12**	**9.0**	**5.2**	**10**	**9.9**	**11**	**7.8**	**13**	**15**	**5.1**
Polychlorinated Biphenyls (PCB) (mg/kg)													
PCB, Total	1	< 0.083	< 0.081	< 0.08	< 0.081	< 0.084	< 0.083	< 0.082	< 0.079	< 0.079	**0.029**	< 0.083	< 0.079
PCB-1016	1	< 0.083	< 0.081	< 0.08	< 0.081	< 0.084	< 0.083	< 0.082	< 0.079	< 0.079	< 0.082	< 0.083	< 0.079
PCB-1242	1	< 0.083	< 0.081	< 0.08	< 0.081	< 0.084	< 0.083	< 0.082	< 0.079	< 0.079	< 0.082	< 0.083	< 0.079
PCB-1248	1	< 0.083	< 0.081	< 0.08	< 0.081	< 0.084	< 0.083	< 0.082	< 0.079	< 0.079	< 0.082	< 0.083	< 0.079
PCB-1254	1	< 0.083	< 0.081	< 0.08	< 0.081	< 0.084	< 0.083	< 0.082	< 0.079	< 0.079	< 0.082	< 0.083	< 0.079
PCB-1260	1	< 0.083	< 0.081	< 0.08	< 0.081	< 0.084	< 0.083	< 0.082	< 0.079	< 0.079	**0.029 JD**	< 0.083	< 0.079
PCB-1268	1	< 0.083	< 0.081	< 0.08	< 0.081	< 0.084	< 0.083	< 0.082	< 0.079	< 0.079	< 0.082	< 0.083	< 0.079
PFAS Compounds (µg/kg)													
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	500	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)		NA	NA	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA

Location:	SB-159	SB-159	SB-159	SB-160	SB-160	SB-161	SB-161	SB-162	SB-162	SB-163	SB-163	SB-164	SB-164
Date Collected:	03/18/2024	03/18/2024	03/18/2024	03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/19/2024
Sample ID:	DUP-06	SB-159 (7-9)	SB-159 (17-19)	SB-160 (7-9)	SB-160 (17-19)	SB-161 (7-9)	SB-161 (17-19)	SB-162 (7-9)	SB-162 (17-19)	SB-163 (7-9)	SB-163 (17-19)	SB-164 (20-22)	SB-164 (30-32)
Laboratory Sample ID:	24C2193-03	24C2193-01	24C2193-02	24C2193-04	24C2193-05	24C2195-04	24C2193-07	24C2193-08	24C2193-09	24C2193-10	24C2193-11	24C2193-12	24C2193-13
Volatile Organic Compounds (VOCs) (mg/kg)													
2-Butanone (MEK)	< 0.02	< 0.021	< 0.019	< 0.026	< 0.027	< 0.024	< 0.023	< 0.026	< 0.017	< 0.02	< 0.017	< 0.014	< 0.023
Acetone	< 0.049	< 0.052	< 0.048	< 0.065	< 0.067	< 0.061	< 0.058	< 0.065	< 0.043	< 0.05	< 0.044	< 0.035	< 0.059
Benzene	< 0.00098	< 0.001	< 0.00095	< 0.0013	< 0.0013	< 0.0012	< 0.0012	< 0.0013	< 0.00087	< 0.001	< 0.00087	< 0.0007	< 0.0012
cis-1,2-Dichloroethene	< 0.00098	< 0.001	< 0.00095	**0.00055 J**	< 0.0013	< 0.0012	< 0.0012	< 0.0013	< 0.00087	< 0.001	< 0.00087	< 0.0007	< 0.0012
Dichlorodifluoromethane	< 0.0098	< 0.01	< 0.0095	< 0.013	< 0.013	< 0.012	< 0.012	< 0.013	< 0.0087	< 0.01	< 0.0087	< 0.007	< 0.012
Isopropylbenzene	< 0.00098	< 0.001	< 0.00095	< 0.0013	< 0.0013	< 0.0012	< 0.0012	< 0.0013	< 0.00087	< 0.001	< 0.00087	< 0.0007	< 0.0012
Methyl acetate	< 0.00098	< 0.001	< 0.00095	< 0.0013	< 0.0013	< 0.0012	< 0.0012	< 0.0013	< 0.00087	< 0.001	< 0.00087	< 0.0007	< 0.0012
Methylcyclohexane	< 0.00098	< 0.001	< 0.00095	< 0.0013	< 0.0013	< 0.0012	< 0.0012	< 0.0013	< 0.00087	< 0.001	< 0.00087	< 0.0007	< 0.0012
Methylene chloride	< 0.0098	< 0.01	< 0.0095	< 0.013	< 0.013	< 0.012	< 0.012	< 0.013	< 0.0087	< 0.01	< 0.0087	< 0.007	< 0.012
Tetrachloroethene	< 0.00098	< 0.001	< 0.00095	< 0.0013	< 0.0013	< 0.0012	< 0.0012	< 0.0013	< 0.00087	< 0.001	< 0.00087	< 0.0007	< 0.0012
Toluene	< 0.00098	< 0.001	< 0.00095	< 0.0013	< 0.0013	< 0.0012	< 0.0012	< 0.0013	< 0.00087	< 0.001	< 0.00087	< 0.0007	< 0.0012
Trichloroethene	< 0.00098	< 0.001	< 0.00095	**0.015**	< 0.0013	< 0.0012	< 0.0012	< 0.0013	< 0.00087	< 0.001	< 0.00087	< 0.0007	< 0.0012
Trichlorofluoromethane	< 0.0049	< 0.0052	< 0.0048	< 0.0065	< 0.0067	< 0.0061	< 0.0058	< 0.0065	< 0.0043	< 0.005	< 0.0044	< 0.0035	< 0.0059
Semivolatile Organic Compounds (SVOC) (mg/kg)													
1,1'-Biphenyl	< 0.69	< 0.7	< 0.69	< 0.72	< 0.72	< 0.73	< 0.7	< 0.71	< 0.71	< 0.72	< 0.72	< 0.71	< 0.72
2-Methylnaphthalene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Acenaphthene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Anthracene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Benzo(a)anthracene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Benzo(a)pyrene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Benzo(b)fluoranthene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bis(2-ethylhexyl)phthalate	< 0.35	< 0.36	< 0.35	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36
Butylbenzyl phthalate	< 0.35	< 0.36	< 0.35	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36
Chrysene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Dibenzofuran	< 0.35	< 0.36	< 0.35	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36
Dimethyl phthalate	< 0.35	< 0.36	< 0.35	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36
Fluoranthene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Fluorene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorobenzene	< 0.35	< 0.36	< 0.35	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36
Naphthalene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Phenanthrene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Phenol	< 0.35	< 0.36	< 0.35	< 0.36	< 0.36	< 0.37	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.36	< 0.36
Pyrene	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Metals (mg/kg)													
Aluminum	**2100**	**2500**	**1900**	**4600**	**3400**	**6100**	**990**	**2900**	**1700**	**4800**	**3100**	**1900**	**3000**
Antimony	< 1.7	< 1.8	< 1.6	< 1.8	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7
Arsenic	**1.2 J**	**1.3 J**	**1.2 J**	**1.9 J**	**1.9 J**	**1.5 J**	**1.1 J**	< 3.4	< 3.4	**1.8 J**	**0.86 J**	**0.95 J**	**1.2 J**
Barium	**6.2**	**17**	**11**	**23**	**24**	**13**	**4.8**	**10**	**15**	**18**	**27**	**9.0**	**12**
Beryllium	**0.13 J**	**0.18**	**0.12 J**	**0.27**	**0.18**	**0.21**	< 0.17	**0.12 J**	**0.083 J**	**0.28**	**0.29**	**0.11 J**	**0.19**
Cadmium	< 0.34	< 0.36	< 0.33	**0.68**	< 0.35	< 0.36	**0.19 J**	< 0.34	< 0.34	**0.17 J**	< 0.35	< 0.34	< 0.34
Calcium	**180**	**210**	**190**	**22000 D**	**200**	**740**	**1100**	**81**	**860**	**350**	**680**	**260**	**200**
Chromium	**6.1**	**4.9**	**4.0**	**12**	**5.0**	**7.8**	**9.7**	**7.1**	**10**	**56**	**11**	**4.6**	**5.7**
Cobalt	**1.6 J**	**3.4**	**1.6 J**	**2.2**	**1.9**	**3.3**	**0.36 J**	**1.9**	< 1.7	**2.1**	**0.55 J**	**1.2 J**	**2.2**
Copper	**5.6**	**6.8**	**6.2**	**10**	**5.1**	**6.0**	**4.4**	**4.7 B**	**17**	**8.4**	**8.2**	**3.9**	**5.8**
Iron	**5500**	**4300**	**3800**	**7800**	**6100 D**	**7500**	**4500 D**	**4300 D**	**4100**	**9200**	**8700**	**3000**	**4800**
Lead	**11**	**2.2**	**2.0**	**17**	**2.4**	**3.4**	**3.0**	**2.5**	**2.8**	**4.5**	**6.7**	**2.1**	**2.3**
Magnesium	**670**	**560**	**510**	**1800**	**900**	**1100**	**810**	**660**	**370**	**1200**	**490**	**480**	**760**
Manganese	**130**	**180**	**110**	**150**	**160**	**150**	**30**	**140**	**61**	**80**	**47**	**97**	**160**
Mercury	< 0.026	< 0.026	< 0.025	< 0.025	< 0.024	**0.017 J**	< 0.025	< 0.025	< 0.024	< 0.026	< 0.026	< 0.026	**0.027**
Nickel	**3.0**	**6.4**	**2.8**	**8.1**	**3.9**	**5.0**	**1.5**	**3.1**	**2.6**	**5.3**	**1.8**	**2.4**	**4.0**
Potassium	**340**	**440**	**440**	**680**	**630**	**450**	**620**	**760**	**3900**	**1600**	**3000**	**270**	**520**
Selenium	< 3.4	< 3.6	< 3.3	< 3.5	< 3.5	< 3.6	< 3.5	< 3.4	< 3.4	< 3.4	< 3.5	< 3.4	< 3.4
Silver	< 0.34	< 0.36	< 0.33	< 0.35	< 0.35	< 0.36	< 0.35	< 0.34	< 0.34	< 0.34	< 0.35	< 0.34	< 0.34
Sodium	< 170	< 180	< 160	**43 J**	< 170	< 180	< 170	< 170	< 170	**50 J**	**140 J**	< 170	< 170
Thallium	< 1.7	< 1.8	< 1.6	< 1.8	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7
Vanadium	**5.7**	**15**	**4.9**	**12**	**7.4**	**11**	**150**	**5.8**	**15**	**43**	**340**	**4.8**	**7.1**
Zinc	**10**	**6.1**	**6.7**	**37**	**10**	**11**	**3.6**	**7.4**	**8.5**	**16**	**5.6**	**5.8**	**9.4**
Polychlorinated Biphenyls (PCB) (mg/kg)													
PCB, Total	< 0.078	< 0.082	< 0.078	**0.45**	< 0.083	< 0.086	< 0.083	< 0.083	NA	**0.076**	< 0.083	< 0.082	< 0.081
PCB-1016	< 0.078	< 0.082	< 0.078	< 0.084	< 0.083	< 0.086	< 0.083	< 0.083	NA	< 0.086	< 0.083	< 0.082	< 0.081
PCB-1242	< 0.078	< 0.082	< 0.078	< 0.084	< 0.083	< 0.086	< 0.083	< 0.083	NA	< 0.086	< 0.083	< 0.082	< 0.081
PCB-1248	< 0.078	< 0.082	< 0.078	< 0.084	< 0.083	< 0.086	< 0.083	< 0.083	NA	< 0.086	< 0.083	< 0.082	< 0.081
PCB-1254	< 0.078	< 0.082	< 0.078	**0.20 D**	< 0.083	< 0.086	< 0.083	< 0.083	NA	**0.042 JD**	< 0.083	< 0.082	< 0.081
PCB-1260	< 0.078	< 0.082	< 0.078	**0.25 D**	< 0.083	< 0.086	< 0.083	< 0.083	NA	**0.034 JD**	< 0.083	< 0.082	< 0.081
PCB-1268	< 0.078	< 0.082	< 0.078	< 0.084	< 0.083	< 0.086	< 0.083	< 0.083	NA	< 0.086	< 0.083	< 0.082	< 0.081
PFAS Compounds (µg/kg)													
Perfluorodecanoic acid (PFDA)	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	NA	NA	NA	NA	NA	**0.40**	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	NA	NA	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented

mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:	Part 375 Commercial	SB-165	SB-165	SB-165	SB-166	SB-166	SB-167	SB-167	SB-168	SB-168	SB-169	SB-169	SB-170	SB-170	SB-171	SB-171	SB-172	SB-172	SB-173	SB-173	SB-174	SB-174	SB-174	SB-175	SB-175
Date Collected:		03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/20/2024	03/21/2024	03/21/2024
Sample ID:		DUP-7	SB-165 (20-22)	SB-165 (30-32)	SB-166 (20-22)	SB-166 (30-32)	SB-167 (20-22)	SB-167 (30-32)	SB-168 (20-22)	SB-168 (30-32)	SB-169 (3-5)	SB-169 (13-15)	SB-170 (3-5)	SB-170 (13-15)	SB-171 (5-7)	SB-171 (15-17)	SB-172 (5-7)	SB-172 (15-17)	SB-173 (5-7)	SB-173 (15-17)	DUP-08	SB-174 (5-7)	SB-174 (15-17)	SB-175 (0.5-2.5)	SB-175 (5-7)
Laboratory Sample ID:		24C2193-18	24C2193-14	24C2193-15	24C2193-16	24C2193-17	24C2562-01	24C2562-02	24C2562-03	24C2562-04	24C2562-05	24C2562-06	24C2562-07	24C2562-08	24C2562-09	24C2562-10	24C2562-11	24C2562-12	24C2562-13	24C2562-14	24C2562-17	24C2562-15	24C2562-16	24C2562-18	24C2562-19
Volatile Organic Compounds (VOCs) (mg/kg)																									
2-Butanone (MEK)	500	< 0.029	< 0.025	< 0.026	< 0.021	< 0.021	< 0.022	< 0.02	< 0.022	< 0.022	< 0.019	< 0.025	< 0.017	< 0.019	< 0.026	< 0.021	< 0.025	< 0.026	< 0.022	< 0.031	< 0.019	< 0.017	< 0.022	< 1.6	< 0.03
Acetone	500	< 0.073	< 0.063	< 0.064	< 0.052	< 0.052	< 0.055	< 0.05	< 0.054	< 0.055	< 0.046	< 0.063	< 0.044	< 0.047	< 0.064	< 0.052	< 0.062	< 0.065	< 0.055	< 0.078	< 0.047	< 0.042	< 0.055	< 3.9	< 0.076
Benzene	44	< 0.0015	< 0.0013	< 0.0013	< 0.001	< 0.001	< 0.0011	< 0.00099	< 0.0011	< 0.0011	< 0.00093	< 0.0013	< 0.00087	< 0.00094	< 0.0013	< 0.001	< 0.0012	< 0.0013	< 0.0011	< 0.0016	< 0.00093	< 0.00084	< 0.0011	< 0.079	< 0.0015
cis-1,2-Dichloroethene	500	< 0.0015	< 0.0013	< 0.0013	< 0.001	< 0.001	< 0.0011	< 0.00099	< 0.0011	< 0.0011	**0.00043 J**	< 0.0013	< 0.00087	< 0.00094	< 0.0013	< 0.001	< 0.0012	< 0.0013	< 0.0011	< 0.0016	< 0.00093	< 0.00084	< 0.0011	< 0.079	< 0.0015
Dichlorodifluoromethane		< 0.015	< 0.013	< 0.013	< 0.01	< 0.01	< 0.011	< 0.0099	< 0.011	< 0.011	< 0.0093	< 0.013	< 0.0087	< 0.0094	< 0.013	< 0.01	< 0.012	< 0.013	< 0.011	< 0.016	< 0.0093	< 0.0084	< 0.011	< 0.16	< 0.015
Isopropylbenzene		< 0.0015	< 0.0013	< 0.0013	< 0.001	< 0.001	< 0.0011	< 0.00099	< 0.0011	< 0.0011	< 0.00093	< 0.0013	< 0.00087	< 0.00094	< 0.0013	< 0.001	< 0.0012	< 0.0013	< 0.0011	< 0.0016	< 0.00093	< 0.00084	< 0.0011	**0.084 D**	< 0.0015
Methyl acetate		< 0.0015	< 0.0013	< 0.0013	< 0.001	< 0.001	< 0.0011	< 0.00099	< 0.0011	< 0.0011	< 0.00093	< 0.0013	< 0.00087	< 0.00094	< 0.0013	< 0.001	< 0.0012	< 0.0013	< 0.0011	< 0.0016	< 0.00093	< 0.00084	< 0.0011	< 0.79	< 0.0015
Methylcyclohexane		< 0.0015	< 0.0013	< 0.0013	< 0.001	< 0.001	< 0.0011	< 0.00099	< 0.0011	< 0.0011	< 0.00093	< 0.0013	< 0.00087	< 0.00094	< 0.0013	< 0.001	< 0.0012	< 0.0013	< 0.0011	< 0.0016	< 0.00093	< 0.00084	< 0.0011	**0.99 D**	**0.0021**
Methylene chloride	500	< 0.015	< 0.013	< 0.013	< 0.01	< 0.01	< 0.011	< 0.0099	< 0.011	< 0.011	< 0.0093	< 0.013	< 0.0087	< 0.0094	< 0.013	< 0.01	< 0.012	< 0.013	< 0.011	< 0.016	< 0.0093	< 0.0084	< 0.011	< 0.39	< 0.015
Tetrachloroethene	150	< 0.0015	< 0.0013	< 0.0013	< 0.001	< 0.001	< 0.0011	< 0.00099	< 0.0011	< 0.0011	< 0.00093	< 0.0013	< 0.00087	< 0.00094	< 0.0013	< 0.001	< 0.0012	< 0.0013	< 0.0011	< 0.0016	< 0.00093	< 0.00084	< 0.0011	< 0.079	< 0.0015
Toluene	500	< 0.0015	< 0.0013	< 0.0013	< 0.001	< 0.001	< 0.0011	< 0.00099	< 0.0011	< 0.0011	< 0.00093	< 0.0013	< 0.00087	< 0.00094	< 0.0013	< 0.001	< 0.0012	< 0.0013	< 0.0011	< 0.0016	< 0.00093	< 0.00084	< 0.0011	< 0.079	< 0.0015
Trichloroethene	200	< 0.0015	< 0.0013	< 0.0013	< 0.001	< 0.001	< 0.0011	< 0.00099	< 0.0011	< 0.0011	**0.0029**	< 0.0013	**0.00081 J**	< 0.00094	< 0.0013	< 0.001	< 0.0012	< 0.0013	< 0.0011	< 0.0016	< 0.00093	< 0.00084	< 0.0011	< 0.079	< 0.0015
Trichlorofluoromethane		< 0.0073	< 0.0063	< 0.0064	< 0.0052	< 0.0052	< 0.0055	< 0.005	< 0.0054	< 0.0055	< 0.0046	< 0.0063	< 0.0044	< 0.0047	< 0.0064	< 0.0052	< 0.0062	< 0.0065	< 0.0055	< 0.0078	< 0.0047	< 0.0042	< 0.0055	< 0.16	< 0.0076
Semivolatile Organic Compounds (SVOC) (mg/kg)																									
1,1'-Biphenyl		< 0.69	< 0.69	< 0.68	< 0.72	< 0.72	< 0.72	< 0.76	< 0.71	< 0.72	< 0.71	< 0.7	< 0.72	< 0.71	< 0.82	< 0.68	< 0.74	< 0.74	< 0.69	< 0.82	< 0.68	< 0.7	< 0.69	**0.20 J**	< 0.74
2-Methylnaphthalene		< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	**1.8**	< 0.19
Acenaphthene	500	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	**0.14 J**	< 0.19
Anthracene	500	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	< 0.19	< 0.19
Benzo(a)anthracene	5.6	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	< 0.19	< 0.19
Benzo(a)pyrene	1	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	< 0.19	< 0.19
Benzo(b)fluoranthene	5.6	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	< 0.19	< 0.19
Bis(2-ethylhexyl)phthalate		< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.39	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.36	**0.26 J**	< 0.35	< 0.38	**0.25 J**	< 0.35	< 0.42	< 0.34	< 0.35	< 0.35	< 0.37	< 0.37
Butylbenzyl phthalate		< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.39	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.36	< 0.42	< 0.35	< 0.38	**0.19 J**	< 0.35	< 0.42	< 0.34	< 0.35	< 0.35	< 0.37	< 0.37
Chrysene	56	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	< 0.19	< 0.19
Dibenzofuran	350	< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.39	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.36	< 0.42	< 0.35	< 0.38	< 0.37	< 0.35	< 0.42	< 0.34	< 0.35	< 0.35	< 0.37	< 0.37
Dimethyl phthalate		< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.39	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.36	< 0.42	< 0.35	< 0.38	< 0.37	< 0.35	< 0.42	< 0.34	< 0.35	< 0.35	< 0.37	< 0.37
Fluoranthene	500	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	< 0.19	< 0.19
Fluorene	500	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	**0.35**	< 0.19
Hexachlorobenzene	6	< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.39	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.36	< 0.42	< 0.35	< 0.38	< 0.37	< 0.35	< 0.42	< 0.34	< 0.35	< 0.35	< 0.37	< 0.37
Naphthalene	500	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	**0.073 J**	< 0.19
Phenanthrene	500	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	**0.71**	< 0.19
Phenol	500	< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.39	< 0.36	< 0.36	< 0.36	< 0.35	< 0.36	< 0.36	< 0.42	< 0.35	< 0.38	< 0.37	< 0.35	< 0.42	< 0.34	< 0.35	< 0.35	< 0.37	< 0.37
Pyrene	500	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.17	< 0.19	< 0.19	< 0.17	< 0.21	< 0.17	< 0.18	< 0.18	**0.12 J**	< 0.19
Metals (mg/kg)																									
Aluminum		**1900**	**2500**	**1900**	**4800**	**3600**	**2000**	**5700**	**3100**	**4500**	**4200**	**2500**	**3500**	**3400**	**4600**	**3100**	**3100**	**4800**	**3100**	**4500**	**2000**	**3700**	**2500**	**6400**	**7900**
Antimony		< 1.7	< 1.7	< 1.7	< 1.8	< 1.8	< 1.7	< 1.9	< 1.8	< 1.8	< 1.8	< 1.7	< 1.8	< 1.7	< 1.9	< 1.7	< 1.8	< 1.8	< 1.7	< 2	< 1.7	< 1.7	< 1.7	< 1.9	< 1.9
Arsenic	16	**1.2 J**	**1.1 J**	**1.1 J**	**1.7 J**	**2.0 J**	< 3.5	< 3.8	< 3.6	< 3.6	< 3.5	< 3.4	< 3.5	< 3.4	**0.98 J**	< 3.3	< 3.6	< 3.6	< 3.3	< 4.1	**3.7**	< 3.4	< 3.4	< 3.7	< 3.7
Barium	400	**9.7**	**12**	**8.7**	**16**	**20**	**8.2**	**26**	**18**	**22**	**11**	**6.2**	**9.0**	**16**	**20**	**7.4**	**11**	**27**	**9.7**	**21**	**11**	**17**	**12**	**14**	**20**
Beryllium	590	**0.10 J**	**0.14 J**	**0.087 J**	**0.22**	**0.21**	**0.096 J**	**0.34**	**0.21**	**0.23**	**0.15 J**	**0.13 J**	**0.14 J**	**0.20**	**0.26**	**0.17**	**0.14 J**	**0.12 J**	**0.16 J**	**0.25**	**0.12 J**	**0.25**	**0.14 J**	**0.23**	**0.27**
Cadmium	9.3	< 0.34	< 0.34	< 0.33	**0.36 J**	< 0.36	< 0.35	< 0.38	< 0.36	< 0.36	**0.29 J**	< 0.34	**0.16 J**	< 0.34	**0.24 J**	< 0.33	< 0.36	**0.57**	< 0.33	< 0.41	< 0.34	< 0.34	< 0.34	< 0.37	< 0.37
Calcium		**170**	**310**	**150**	**790**	**200**	**320**	**240**	**170**	**250**	**530**	**180**	**340**	**140**	**1000**	**320**	**90**	**7100**	**790**	**820**	**110**	**88**	**3600**	**420**	**1800**
Chromium	1500	**4.8**	**8.7**	**4.8**	**6.1**	**6.0**	**4.3**	**8.2**	**5.1**	**7.2**	**7.5**	**4.1**	**5.2**	**5.6**	**35**	**5.3**	**4.4**	**20**	**4.5**	**6.5**	**5.5**	**5.9**	**9.1**	**6.9**	**8.8**
Cobalt		**1.2 J**	**1.9**	**1.3 J**	**2.1**	**2.5**	**1.2 J**	**3.3**	**1.9**	**2.1**	**2.2**	**1.8**	**1.8**	**2.3**	**3.5**	**2.1**	**2.4**	**2.0**	**2.2**	**2.4**	**1.5 J**	**2.2**	**1.4 J**	**1.8 J**	**2.1**
Copper	270	**3.5**	**6.5**	**3.8**	**5.8**	**6.5**	**5.4**	**7.4**	**4.8**	**5.8**	**7.0**	**3.8**	**4.4**	**5.7**	**13**	**5.3**	**5.7**	**19**	**4.2**	**7.4**	**5.4**	**5.5**	**4.0**	**3.9**	**5.3**
Iron		**3200**	**4500**	**4000 D**	**6600 D**	**7100 D**	**3700**	**7800**	**4900**	**5700**	**5300**	**3700**	**4300**	**5500**	**9700**	**4800**	**4300**	**12000**	**4200**	**5900**	**4000**	**5300**	**3700**	**6000**	**7600**
Lead	1000	**1.9**	**1.8**	**1.7**	**2.6**	**2.9**	**1.9**	**3.7**	**2.4**	**2.9**	**7.1**	**2.1**	**4.7**	**2.5**	**9.6**	**2.7**	**2.1**	**9.9**	**2.3**	**3.0**	**2.0**	**2.4**	**2.2**	**6.2**	**7.0**
Magnesium		**490**	**940**	**580**	**950**	**1000**	**560**	**1500**	**760**	**920**	**840**	**650**	**590**	**910**	**1200**	**470**	**680**	**2000**	**890**	**1000**	**540**	**820**	**630**	**710**	**1000**
Manganese	10000	**150**	**99**	**99**	**340**	**190**	**80**	**160**	**140**	**160**	**100**	**110**	**96**	**140**	**430**	**120**	**110**	**150**	**130**	**160**	**110**	**150**	**100**	**56**	**160**
Mercury	2.8	< 0.025	< 0.025	< 0.026	< 0.027	< 0.027	< 0.027	< 0.028	< 0.024	< 0.026	< 0.026	< 0.026	**0.012 J**	< 0.026	**0.036**	< 0.024	< 0.027	**0.032**	< 0.026	< 0.031	< 0.024	< 0.023	< 0.025	**0.019 J**	**0.019 J**
Nickel	310	**2.4**	**3.1**	**2.4**	**5.2**	**4.9**	**4.1**	**6.8**	**3.7**	**5.3**	**6.0**	**3.3**	**4.5**	**4.6**	**110**	**7.3**	**3.7**	**10**	**4.0**	**4.7**	**2.7**	**4.1**	**3.2**	**4.2**	**4.9**
Potassium		**290**	**300**	**270**	**620**	**600**	**330**	**980**	**470**	**710**	**2200**	**280**	**250**	**540**	**470**	**170**	**290**	**1700**	**390**	**630**	**320**	**490**	**330**	**230**	**310**
Selenium	1500	< 3.4	< 3.4	< 3.3	< 3.6	< 3.6	< 3.5	< 3.8	< 3.6	< 3.6	< 3.5	< 3.4	< 3.5	< 3.4	< 3.9	< 3.3	< 3.6	< 3.6	< 3.3	< 4.1	< 3.4	< 3.4	< 3.4	< 3.7	< 3.7
Silver	1500	< 0.34	< 0.34	< 0.33	< 0.36	< 0.36	< 0.35	< 0.38	< 0.36	< 0.36	< 0.35	< 0.34	< 0.35	< 0.34	< 0.39	< 0.33	< 0.36	< 0.36	< 0.33	< 0.41	< 0.34	< 0.34	< 0.34	< 0.37	< 0.37
Sodium		< 170	< 170	< 170	< 180	< 180	< 170	< 190	< 180	< 180	**47 J**	< 170	< 180	< 170	**44 J**	< 170	< 180	**79 J**	< 170	< 200	< 170	< 170	**54 J**	< 190	< 190
Thallium		< 1.7	< 1.7	< 1.7	< 1.8	< 1.8	< 1.7	< 1.9	< 1.8	< 1.8	< 1.8	< 1.7	< 1.8	< 1.7	< 1.9	< 1.7	< 1.8	< 1.8	< 1.7	< 2	< 1.7	< 1.7	< 1.7	< 1.9	< 1.9
Vanadium		**5.1**	**7.7**	**5.2**	**7.6**	**9.0**	**6.6**	**11**	**6.8**	**8.2**	**22**	**5.1**	**11**	**8.0**	**14**	**6.6**	**5.9**	**33**	**5.9**	**9.0**	**5.5**	**7.8**	**5.2**	**11**	**13**
Zinc	10000	**6.3**	**7.3**	**8.6**	**11**	**12**	**14**	**17**	**9.6**	**15**	**18**	**7.2**	**19**	**15**	**34**	**6.9**	**9.5**	**73**	**11**	**12**	**6.9**	**9.9**	**7.0**	**20**	**19**
Polychlorinated Biphenyls (PCB) (mg/kg)																									
PCB, Total	1	< 0.081	< 0.08	< 0.083	< 0.084	< 0.082	< 0.081	< 0.09	< 0.078	< 0.088	**0.139**	< 0.082	**0.059**	< 0.081	**0.26**	< 0.077	< 0.088	**0.444**	< 0.081	< 0.095	< 0.076	< 0.078	< 0.084	**0.051**	< 0.083
PCB-1016	1	< 0.081	< 0.08	< 0.083	< 0.084	< 0.082	< 0.081	< 0.09	< 0.078	< 0.088	< 0.08	< 0.082	< 0.085	< 0.081	< 0.093	< 0.077	< 0.088	< 0.082	< 0.081	< 0.095	< 0.076	< 0.078	< 0.084	< 0.089	< 0.083
PCB-1242	1	< 0.081	< 0.08	< 0.083	< 0.084	< 0.082	< 0.081	< 0.09	< 0.078	< 0.088	< 0.08	< 0.082	< 0.085	< 0.081	< 0.093	< 0.077	< 0.088	< 0.082	< 0.081	< 0.095	< 0.076	< 0.078	< 0.084	< 0.089	< 0.083
PCB-1248	1	< 0.081	< 0.08	< 0.083	< 0.084	< 0.082	< 0.081	< 0.09	< 0.078	< 0.088	< 0.08	< 0.082	< 0.085	< 0.081	**0.080 JD**	< 0.077	< 0.088	**0.14 D**	< 0.081	< 0.095	< 0.076	< 0.078	< 0.084	< 0.089	< 0.083
PCB-1254	1	< 0.081	< 0.08	< 0.083	< 0.084	< 0.082	< 0.081	< 0.09	< 0.078	< 0.088	< 0.08	< 0.082	< 0.085	< 0.081	**0.18 D**	< 0.077	< 0.088	**0.26 D**	< 0.081	< 0.095	< 0.076	< 0.078	< 0.084	< 0.089	< 0.083
PCB-1260	1	< 0.081	< 0.08	< 0.083	< 0.084	< 0.082	< 0.081	< 0.09	< 0.078	< 0.088	**0.091 D**	< 0.082	**0.059 JD**	< 0.081	< 0.093	< 0.077	< 0.088	**0.044 JD**	< 0.081	< 0.095	< 0.076	< 0.078	< 0.084	**0.051 JD**	< 0.083
PCB-1268	1	< 0.081	< 0.08	< 0.083	< 0.084	< 0.082	< 0.081	< 0.09	< 0.078	< 0.088	**0.048 JD**	< 0.082	< 0.085	< 0.081	< 0.093	< 0.077	< 0.088	< 0.082	< 0.081	< 0.095	< 0.076	< 0.078	< 0.084	< 0.089	< 0.083
PFAS Compounds (µg/kg)																									
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	**0.026 J**
Perfluorododecanoic acid (PFDoA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	< 0.19
Perfluoroheptanoic acid (PFHpA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	< 0.19
Perfluorohexanoic acid (PFHxA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	< 0.19
Perfluorononane sulfonic acid (PFNS)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	< 0.19
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	**0.027 J**
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	NA	NA	NA	**0.089 J**	NA	NA	NA	**0.044 J**	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	**0.075 J**
Perfluorooctanoic acid (PFOA)	500	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	**0.062 J**	NA	NA	NA	NA	NA	< 0.19
Perfluoropentanoic acid (PFPeA)		NA	NA	NA	NA	NA	< 0.39	NA	NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	< 0.39
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	< 0.19
Perfluorotridecanoic acid (PFTrDA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	< 0.19
Perfluoroundecanoic acid (PFUnA)		NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	NA	NA	NA	NA	< 0.19

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:	Part 375 Commercial	SB-175	SB-176	SB-176	SB-177	SB-177	SB-178	SB-178	SB-178	SB-179	SB-179	SB-180	SB-180
Date Collected:		03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024
Sample ID:		SB-175 (15-17)	SB-176 (5-7)	SB-176 (15-17)	SB-177 (5-7)	SB-177 (15-17)	DUP-09	SB-178 (5-7)	SB-178 (15-17)	SB-179 (5-7)	SB-179 (15-17)	SB-180 (5-7)	SB-180 (15-17)
Laboratory Sample ID:		24C2562-20	24C2563-01	24C2563-02	24C2563-03	24C2563-04	24C2563-13	24C2563-05	24C2563-06	24C2563-07	24C2563-08	24C2563-09	24C2563-10
Volatile Organic Compounds (VOCs) (mg/kg)													
2-Butanone (MEK)	500	< 0.033	< 0.03	< 0.046	< 0.025	< 0.041	< 0.027	< 0.022	< 0.038	< 0.021	< 0.039	< 0.018	< 0.024
Acetone	500	< 0.082	< 0.076	< 0.11	< 0.063	< 0.1	< 0.067	< 0.056	< 0.094	< 0.054	< 0.098	< 0.045	< 0.061
Benzene	44	< 0.0016	< 0.0015	< 0.0023	< 0.0013	< 0.002	< 0.0013	< 0.0011	< 0.0019	< 0.0011	< 0.002	< 0.0009	< 0.0012
cis-1,2-Dichloroethene	500	< 0.0016	< 0.0015	< 0.0023	< 0.0013	< 0.002	< 0.0013	**0.00039 J**	< 0.0019	< 0.0011	< 0.002	< 0.0009	< 0.0012
Dichlorodifluoromethane		< 0.016	< 0.015	< 0.023	< 0.013	< 0.02	< 0.013	< 0.011	< 0.019	< 0.011	< 0.02	< 0.009	< 0.012
Isopropylbenzene		< 0.0016	< 0.0015	< 0.0023	< 0.0013	< 0.002	< 0.0013	< 0.0011	< 0.0019	< 0.0011	< 0.002	< 0.0009	< 0.0012
Methyl acetate		< 0.0016	< 0.0015	< 0.0023	< 0.0013	< 0.002	< 0.0013	< 0.0011	< 0.0019	< 0.0011	< 0.002	< 0.0009	< 0.0012
Methylcyclohexane		< 0.0016	< 0.0015	< 0.0023	< 0.0013	< 0.002	< 0.0013	< 0.0011	< 0.0019	< 0.0011	< 0.002	< 0.0009	< 0.0012
Methylene chloride	500	< 0.016	< 0.015	< 0.023	< 0.013	< 0.02	< 0.013	< 0.011	< 0.019	< 0.011	< 0.02	< 0.009	< 0.012
Tetrachloroethene	150	< 0.0016	< 0.0015	< 0.0023	< 0.0013	< 0.002	< 0.0013	< 0.0011	< 0.0019	< 0.0011	< 0.002	< 0.0009	< 0.0012
Toluene	500	< 0.0016	< 0.0015	< 0.0023	< 0.0013	< 0.002	< 0.0013	< 0.0011	< 0.0019	< 0.0011	< 0.002	< 0.0009	< 0.0012
Trichloroethene	200	< 0.0016	< 0.0015	< 0.0023	< 0.0013	< 0.002	**0.0028**	**0.0026**	< 0.0019	< 0.0011	< 0.002	< 0.0009	< 0.0012
Trichlorofluoromethane		< 0.0082	< 0.0076	< 0.011	< 0.0063	< 0.01	< 0.0067	< 0.0056	< 0.0094	< 0.0054	< 0.0098	< 0.0045	< 0.0061
Semivolatile Organic Compounds (SVOC) (mg/kg)													
1,1'-Biphenyl		**0.072 J**	< 0.7	< 0.81	**0.065 J**	**0.072 J**	< 0.71	< 0.69	< 0.7	< 0.7	< 0.69	< 0.73	< 0.71
2-Methylnaphthalene		**0.58**	< 0.18	< 0.2	**0.48**	**0.53**	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Acenaphthene	500	**0.044 J**	< 0.18	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Anthracene	500	< 0.18	< 0.18	< 0.2	< 0.17	**0.57**	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Benzo(a)anthracene	5.6	< 0.18	< 0.18	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Benzo(a)pyrene	1	< 0.18	< 0.18	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Benzo(b)fluoranthene	5.6	< 0.18	< 0.18	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Bis(2-ethylhexyl)phthalate		< 0.37	**0.057 J**	< 0.41	**0.13 J**	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	**0.17 J**	< 0.37	< 0.36
Butylbenzyl phthalate		< 0.37	< 0.36	< 0.41	< 0.35	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.37	< 0.36
Chrysene	56	< 0.18	< 0.18	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Dibenzofuran	350	< 0.37	< 0.36	< 0.41	**0.039 J**	**0.044 J**	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.37	< 0.36
Dimethyl phthalate		< 0.37	< 0.36	< 0.41	< 0.35	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.37	< 0.36
Fluoranthene	500	< 0.18	< 0.18	< 0.2	**0.043 J**	**0.045 J**	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Fluorene	500	**0.11 J**	< 0.18	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Hexachlorobenzene	6	< 0.37	< 0.36	< 0.41	< 0.35	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	< 0.35	< 0.37	< 0.36
Naphthalene	500	< 0.18	< 0.18	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Phenanthrene	500	**0.21**	< 0.18	< 0.2	**0.61**	**0.69**	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Phenol	500	< 0.37	< 0.36	< 0.41	< 0.35	< 0.36	< 0.36	< 0.35	< 0.36	< 0.35	**3.1**	< 0.37	< 0.36
Pyrene	500	< 0.18	< 0.18	< 0.2	**0.10 J**	**0.11 J**	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18
Metals (mg/kg)													
Aluminum		**6500**	**2800**	**2700**	**2500**	**2800**	**3000**	**2700**	**2000**	**3000**	**3300**	**5100**	**3000**
Antimony		< 1.8	< 1.7	< 2	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.8
Arsenic	16	**1.9 J**	**0.87 J**	**1.0 J**	**0.80 J**	**1.6 J**	**1.1 J**	**1.6 J**	**0.69 J**	**0.90 J**	**1.0 J**	**1.4 J**	**1.1 J**
Barium	400	**17**	**10**	**7.4**	**9.9**	**9.4**	**10**	**7.2**	**8.7**	**10**	**13**	**15**	**16**
Beryllium	590	**0.20**	**0.11 J**	**0.087 J**	**0.11 J**	**0.14 J**	**0.097 J**	**0.12 J**	**0.081 J**	**0.11 J**	**0.13 J**	**0.20**	**0.12 J**
Cadmium	9.3	< 0.36	< 0.35	< 0.39	< 0.34	< 0.36	**0.16 J**	< 0.34	< 0.34	< 0.34	< 0.34	< 0.36	< 0.35
Calcium		**9400**	**5400**	**380**	**6700**	**4900**	**3800**	**280**	**190**	**290**	**9100**	**170**	**110**
Chromium	1500	**12**	**16**	**4.5**	**7.7**	**8.1**	**6.0**	**4.8**	**3.4**	**4.1**	**21**	**6.6**	**6.4**
Cobalt		**2.0**	**1.5 J**	**1.4 J**	**1.2 J**	**1.4 J**	**1.7 J**	**1.5 J**	**1.5 J**	**1.9**	**1.7 J**	**3.1**	**1.9**
Copper	270	**5.8**	**6.1**	**3.2 B**	**3.6 B**	**4.6 B**	**4.6 B**	**5.3**	**3.2 B**	**3.7 B**	**8.2**	**5.9**	**4.4 B**
Iron		**6300**	**3600**	**3300**	**3300**	**4200**	**3700**	**3600**	**3100**	**3900**	**4600**	**5900**	**4000**
Lead	1000	**3.8**	**2.6**	**1.9**	**1.8**	**2.3**	**4.8**	**4.6**	**1.6**	**2.2**	**2.7**	**4.0**	**3.7**
Magnesium		**2000**	**660**	**510**	**630**	**640**	**910**	**460**	**580**	**720**	**780**	**1100**	**770**
Manganese	10000	**93**	**93**	**80**	**92**	**99**	**93**	**100**	**87**	**100**	**98**	**140**	**140**
Mercury	2.8	**0.014 J**	< 0.024	< 0.03	< 0.025	< 0.026	< 0.026	< 0.024	< 0.026	< 0.026	< 0.025	< 0.024	< 0.024
Nickel	310	**4.5**	**3.5**	**2.8**	**2.6**	**3.0**	**3.5**	**3.0**	**2.5**	**3.4**	**4.6**	**5.6**	**3.8**
Potassium		**290**	**280**	**200**	**390**	**310**	**320**	**270**	**360**	**320**	**420**	**470**	**440**
Selenium	1500	< 3.6	< 3.5	< 3.9	< 3.4	< 3.6	< 3.6	< 3.4	< 3.4	< 3.4	< 3.4	< 3.6	< 3.5
Silver	1500	< 0.36	< 0.35	< 0.39	< 0.34	< 0.36	< 0.36	< 0.34	< 0.34	< 0.34	< 0.34	< 0.36	< 0.35
Sodium		< 180	**44 J**	< 200	**92 J**	< 180	< 180	< 170	< 170	< 170	**97 J**	< 180	< 180
Thallium		< 1.8	< 1.7	< 2	< 1.7	< 1.8	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.8
Vanadium		**10**	**5.5**	**4.5**	**4.9**	**5.7**	**5.7**	**5.6**	**4.4**	**5.4**	**6.0**	**8.6**	**5.9**
Zinc	10000	**21**	**9.8**	**5.4**	**6.3**	**8.8**	**14**	**17**	**9.2**	**8.0**	**14**	**17**	**11**
Polychlorinated Biphenyls (PCB) (mg/kg)													
PCB, Total	1	**0.02**	**0.068**	< 0.091	**0.127**	**0.127**	**0.26**	**0.065**	< 0.08	< 0.078	**0.296**	< 0.086	< 0.082
PCB-1016	1	< 0.083	< 0.08	< 0.091	< 0.079	< 0.079	< 0.086	< 0.079	< 0.08	< 0.078	< 0.078	< 0.086	< 0.082
PCB-1242	1	< 0.083	< 0.08	< 0.091	< 0.079	< 0.079	< 0.086	< 0.079	< 0.08	< 0.078	< 0.078	< 0.086	< 0.082
PCB-1248	1	< 0.083	< 0.08	< 0.091	< 0.079	< 0.079	< 0.086	< 0.079	< 0.08	< 0.078	**0.047 JD**	< 0.086	< 0.082
PCB-1254	1	< 0.083	< 0.08	< 0.091	**0.097 D**	**0.093 D**	< 0.086	< 0.079	< 0.08	< 0.078	**0.20 D**	< 0.086	< 0.082
PCB-1260	1	**0.020 JD**	**0.068 JD**	< 0.091	**0.030 JD**	**0.034 JD**	**0.26 D**	**0.065 JD**	< 0.08	< 0.078	**0.049 JD**	< 0.086	< 0.082
PCB-1268	1	< 0.083	< 0.08	< 0.091	< 0.079	< 0.079	< 0.086	< 0.079	< 0.08	< 0.078	< 0.078	< 0.086	< 0.082
PFAS Compounds (µg/kg)													
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Location:	SB-181	SB-181	SB-182	SB-182	SB-183	SB-183	SB-183	SB-184	SB-184	SB-185	SB-185	SB-186	SB-187
Date Collected:	03/21/2024	03/21/2024	03/22/2024	03/22/2024	03/22/2024	03/22/2024	03/22/2024	03/22/2024	03/22/2024	03/25/2024	03/25/2024	03/25/2024	03/25/2024
Sample ID:	SB-181 (5-7)	SB-181 (15-17)	SB-182 (5-7)	SB-182 (15-17)	DUP-10	SB-183 (5-7)	SB-183 (15-17)	SB-184 (6-8)	SB-184 (13-15)	DUP-11	SB-185 (0.5-2.5)	SB-186 (1-3)	SB-187 (15-17)
Laboratory Sample ID:	24C2563-11	24C2563-12	24C2771-01	24C2774-02	24C2774-07	24C2774-03	24C2774-04	24C2774-05	24C2774-06	24C3013-01	24C3013-02	24C3013-03	24C3013-04
Volatile Organic Compounds (VOCs) (mg/kg)													
2-Butanone (MEK)	< 0.021	< 0.029	< 0.025	< 0.034	< 0.04	< 0.029	< 0.035	< 0.53	< 0.025	< 0.66	< 0.036	< 0.019	< 0.021
Acetone	< 0.052	< 0.074	< 0.061	< 0.084	< 0.1	< 0.073	< 0.087	< 1.3	< 0.062	< 1.7	< 0.091	< 0.048	< 0.053
Benzene	< 0.001	< 0.0015	< 0.0012	< 0.0017	< 0.002	< 0.0015	< 0.0017	< 0.026	< 0.0012	< 0.033	< 0.0018	< 0.00096	< 0.0011
cis-1,2-Dichloroethene	< 0.001	< 0.0015	< 0.0012	< 0.0017	< 0.002	< 0.0015	< 0.0017	< 0.026	< 0.0012	< 0.033	< 0.0018	< 0.00096	< 0.0011
Dichlorodifluoromethane	< 0.01	< 0.015	< 0.012	< 0.017	< 0.02	< 0.015	< 0.017	< 0.053	< 0.012	< 0.066	< 0.018	< 0.0096	< 0.011
Isopropylbenzene	< 0.001	< 0.0015	< 0.0012	< 0.0017	< 0.002	< 0.0015	< 0.0017	< 0.026	< 0.0012	< 0.033	< 0.0018	< 0.00096	< 0.0011
Methyl acetate	< 0.001	< 0.0015	< 0.0012	< 0.0017	< 0.002	< 0.0015	< 0.0017	< 0.26	< 0.0012	< 0.33	< 0.0018	< 0.00096	< 0.0011
Methylcyclohexane	< 0.001	< 0.0015	< 0.0012	< 0.0017	< 0.002	< 0.0015	< 0.0017	< 0.026	< 0.0012	**0.022 J**	**0.0010 J**	< 0.00096	< 0.0011
Methylene chloride	< 0.01	< 0.015	< 0.012	< 0.017	< 0.02	< 0.015	< 0.017	< 0.13	< 0.012	< 0.17	< 0.018	< 0.0096	< 0.011
Tetrachloroethene	< 0.001	< 0.0015	< 0.0012	< 0.0017	< 0.002	< 0.0015	< 0.0017	**0.025 J**	< 0.0012	< 0.033	< 0.0018	< 0.00096	< 0.0011
Toluene	< 0.001	< 0.0015	< 0.0012	< 0.0017	< 0.002	< 0.0015	< 0.0017	< 0.026	< 0.0012	< 0.033	< 0.0018	< 0.00096	< 0.0011
Trichloroethene	< 0.001	< 0.0015	< 0.0012	< 0.0017	< 0.002	**0.0013 J**	**0.0037**	< 0.026	< 0.0012	< 0.033	< 0.0018	< 0.00096	< 0.0011
Trichlorofluoromethane	< 0.0052	< 0.0074	< 0.0061	< 0.0084	< 0.01	< 0.0073	< 0.0087	< 0.053	< 0.0062	< 0.066	< 0.0091	< 0.0048	< 0.0053
Semivolatile Organic Compounds (SVOC) (mg/kg)													
1,1'-Biphenyl	< 0.71	< 0.7	< 0.69	< 0.69	< 0.71	< 0.7	< 0.71	< 0.72	< 0.71	< 0.75	< 0.8	**0.54 J**	< 0.71
2-Methylnaphthalene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	**4.3**	< 0.18
Acenaphthene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	< 0.19	< 0.18
Anthracene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	< 0.19	< 0.18
Benzo(a)anthracene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	< 0.19	< 0.18
Benzo(a)pyrene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	< 0.19	< 0.18
Benzo(b)fluoranthene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	< 0.19	< 0.18
Bis(2-ethylhexyl)phthalate	< 0.36	< 0.35	**0.080 J**	< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.38	< 0.41	< 0.38	< 0.36
Butylbenzyl phthalate	< 0.36	< 0.35	< 0.35	< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.38	< 0.41	< 0.38	< 0.36
Chrysene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	< 0.19	< 0.18
Dibenzofuran	< 0.36	< 0.35	< 0.35	< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.38	< 0.41	< 0.38	< 0.36
Dimethyl phthalate	< 0.36	< 0.35	< 0.35	< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.38	< 0.41	< 0.38	< 0.36
Fluoranthene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	< 0.19	< 0.18
Fluorene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	< 0.19	< 0.18
Hexachlorobenzene	< 0.36	< 0.35	< 0.35	< 0.35	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.38	< 0.41	< 0.38	< 0.36
Naphthalene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	< 0.19	< 0.18
Phenanthrene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	**1.7**	< 0.18
Phenol	< 0.36	**1.8**	**23 D**	**1.1**	< 0.36	< 0.35	< 0.36	< 0.37	< 0.36	< 0.38	< 0.41	< 0.38	< 0.36
Pyrene	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.2	**0.31**	< 0.18
Metals (mg/kg)													
Aluminum	**3200**	**2800**	**2800**	**2200**	**2500**	**3000**	**2400**	**3700**	**1900**	**1800**	**7500**	**6100**	**2600**
Antimony	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.8	< 1.9	< 1.8	< 1.7
Arsenic	**1.4 J**	**1.2 J**	**1.0 J**	**0.93 J**	**0.95 J**	**1.1 J**	**0.60 J**	**1.1 J**	**0.55 J**	**0.61 J**	**1.8 J**	**1.2 J**	**0.98 J**
Barium	**12**	**11**	**9.4**	**12**	**16**	**13**	**12**	**12**	**8.2**	**4.7**	**14**	**13**	**13**
Beryllium	**0.13 J**	**0.11 J**	**0.12 J**	**0.14 J**	**0.14 J**	**0.17 J**	**0.13 J**	**0.18**	**0.11 J**	**0.098 J**	**0.29**	**0.24**	**0.17 J**
Cadmium	< 0.35	< 0.34	< 0.34	< 0.33	< 0.35	< 0.34	< 0.34	< 0.35	< 0.34	< 0.36	< 0.38	< 0.37	< 0.34
Calcium	**210**	**3500**	**5300**	**410**	**1600**	**620**	**4900**	**6000**	**660**	**360**	**390**	**280**	**1000**
Chromium	**5.2**	**8.5**	**6.7**	**4.3**	**5.8**	**5.5**	**14**	**5.8**	**3.9**	**4.0**	**9.2**	**7.2**	**5.3**
Cobalt	**2.5**	**1.4 J**	**1.5 J**	**1.7**	**1.6 J**	**2.0**	**1.5 J**	**1.9**	**1.3 J**	**0.94 J**	**3.2**	**2.3**	**1.7**
Copper	**4.2 B**	**5.3**	**3.4**	**4.8**	**4.1**	**6.7**	**4.4**	**5.3**	**3.5**	**4.3**	**4.9**	**4.3**	**4.6**
Iron	**4800**	**3900**	**3500**	**3600**	**4000**	**4400**	**3700**	**4300**	**3000**	**3100 D**	**8400 D**	**6300 D**	**4100 D**
Lead	**2.8**	**2.3**	**3.6**	**2.8**	**2.2**	**4.3**	**2.6**	**23**	**3.6**	**3.1**	**12**	**6.1**	**2.7**
Magnesium	**940**	**610**	**650**	**660**	**760**	**740**	**1100**	**1500**	**570**	**400**	**1000**	**790**	**510**
Manganese	**160**	**92**	**78**	**110**	**130**	**140**	**110**	**100**	**88**	**54**	**110**	**49**	**490**
Mercury	< 0.025	< 0.025	< 0.025	< 0.022	< 0.025	< 0.025	< 0.025	**0.093**	< 0.024	< 0.027	< 0.028	< 0.027	< 0.025
Nickel	**4.5**	**3.1**	**3.2**	**3.0**	**3.3**	**3.6**	**3.2**	**3.9**	**2.5**	**2.1**	**5.4**	**4.5**	**6.5**
Potassium	**470**	**320**	**240**	**320**	**410**	**430**	**340**	**330**	**300**	**180**	**320**	**260**	**510**
Selenium	< 3.5	< 3.4	< 3.4	**1.2 J**	**1.3 J**	**1.3 J**	< 3.4	**1.1 J**	**0.99 J**	< 3.6	< 3.8	< 3.7	< 3.4
Silver	< 0.35	< 0.34	< 0.34	< 0.33	< 0.35	< 0.34	< 0.34	< 0.35	< 0.34	< 0.36	< 0.38	< 0.37	< 0.34
Sodium	**68 J**	< 170	< 170	< 170	< 170	< 170	< 170	< 180	< 170	< 180	< 190	< 180	< 170
Thallium	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.8	< 1.9	< 1.8	< 1.7
Vanadium	**6.6**	**5.3**	**5.9**	**7.2**	**6.2**	**7.5**	**5.8**	**8.1**	**4.8**	**5.8**	**14**	**11**	**5.7**
Zinc	**9.5**	**9.1**	**11**	**7.0**	**7.5**	**9.9**	**7.3**	**16**	**5.9**	**7.7**	**15**	**22**	**10**
Polychlorinated Biphenyls (PCB) (mg/kg)													
PCB, Total	< 0.078	**0.024**	< 0.084	< 0.077	< 0.078	NA	< 0.082	**0.094**	< 0.08	**0.15**	**0.16**	**0.26**	< 0.082
PCB-1016	< 0.078	< 0.082	< 0.084	< 0.077	< 0.078	NA	< 0.082	< 0.086	< 0.08	< 0.086	< 0.094	< 0.089	< 0.082
PCB-1242	< 0.078	< 0.082	< 0.084	< 0.077	< 0.078	NA	< 0.082	< 0.086	< 0.08	< 0.086	< 0.094	< 0.089	< 0.082
PCB-1248	< 0.078	< 0.082	< 0.084	< 0.077	< 0.078	NA	< 0.082	< 0.086	< 0.08	< 0.086	< 0.094	< 0.089	< 0.082
PCB-1254	< 0.078	**0.024 JD**	< 0.084	< 0.077	< 0.078	NA	< 0.082	< 0.086	< 0.08	< 0.086	< 0.094	< 0.089	< 0.082
PCB-1260	< 0.078	< 0.082	< 0.084	< 0.077	< 0.078	NA	< 0.082	**0.063 JD**	< 0.08	**0.15 D**	**0.16 D**	**0.26 D**	< 0.082
PCB-1268	< 0.078	< 0.082	< 0.084	< 0.077	< 0.078	NA	< 0.082	**0.031 JD**	< 0.08	< 0.086	< 0.094	< 0.089	< 0.082
PFAS Compounds (µg/kg)													
Perfluorodecanoic acid (PFDA)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:	Part 375 Commercial	SB-187	SB-188	SB-188	SB-189	SB-189	SB-190	SB-190	SB-191	SB-191	SB-192	SB-192	SB-193	SB-193	SB-194	SB-194	SB-194	SB-195	SB-195	SB-196	SB-196	SB-197	SB-197	SB-198	SB-198
Date Collected:		03/25/2024	03/25/2024	03/25/2024	03/25/2024	03/25/2024	03/26/2024	03/26/2024	03/26/2024	03/26/2024	03/26/2024	03/26/2024	03/26/2024	03/26/2024	03/26/2024	03/26/2024	03/26/2024	03/26/2024	03/26/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024	03/27/2024
Sample ID:		SB-187 (25-27)	SB-188 (15-17)	SB-188 (25-27)	SB-189 (15-17)	SB-189 (25-27)	SB-190 (15-17)	SB-190 (25-27)	SB-191 (15-17)	SB-191 (25-27)	SB-192(15-17)	SB-192 (25-27)	SB-193 (1-3)	SB-193 (11-13)	DUP-12	SB-194 (9-11)	SB-194 (18-20)	SB-195 (9-11)	SB-195 (18-20)	SB-196 (9-11)	SB-196 (18-20)	SB-197 (0-2)	SB-197 (3-5)	SB-198 (0-2)	SB-198 (3-5)
Laboratory Sample ID:		24C3013-05	24C3013-06	24C3013-07	24C3013-08	24C3013-09	24C3013-10	24C3013-11	24C3013-12	24C3013-13	24C3013-14	24C3013-15	24C3013-16	24C3013-17	24C3013-20	24C3013-18	24C3013-19	24C3013-21	24C3013-22	24C3443-01	24C3443-02	24C3443-03	24C3443-04	24C3443-05	24C3443-06
Volatile Organic Compounds (VOCs) (mg/kg)																									
2-Butanone (MEK)	500	< 0.025	< 0.022	< 0.023	< 0.025	< 0.024	< 0.017	< 0.022	< 0.023	< 0.019	< 0.019	< 0.019	< 0.0018	< 0.037	< 0.023	< 0.023	< 0.021	< 0.021	< 0.018	< 0.018	< 0.021	< 0.03	< 0.02	< 0.03	< 0.019
Acetone	500	< 0.062	< 0.055	< 0.058	< 0.062	< 0.059	< 0.044	< 0.055	< 0.057	< 0.047	< 0.047	< 0.048	< 0.0046	< 0.092	< 0.058	< 0.057	< 0.052	< 0.053	< 0.045	< 0.046	< 0.054	< 0.074	**0.043 J**	< 0.074	**0.029 J**
Benzene	44	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0012	< 0.00087	< 0.0011	< 0.0011	< 0.00095	< 0.00094	< 0.00096	< 0.000092	< 0.0018	< 0.0012	< 0.0011	< 0.001	< 0.0011	< 0.00091	< 0.00092	< 0.0011	< 0.0015	< 0.001	< 0.0015	< 0.00095
cis-1,2-Dichloroethene	500	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0012	< 0.00087	< 0.0011	< 0.0011	< 0.00095	< 0.00094	< 0.00096	< 0.000092	< 0.0018	< 0.0012	< 0.0011	< 0.001	< 0.0011	< 0.00091	< 0.00092	< 0.0011	< 0.0015	< 0.001	< 0.0015	< 0.00095
Dichlorodifluoromethane		< 0.012	< 0.011	< 0.012	< 0.012	< 0.012	< 0.0087	< 0.011	< 0.011	< 0.0095	< 0.0094	< 0.0096	**0.000092 J**	< 0.018	< 0.012	< 0.011	< 0.01	< 0.011	< 0.0091	< 0.0092	< 0.011	< 0.015	< 0.01	< 0.015	< 0.0095
Isopropylbenzene		< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0012	< 0.00087	< 0.0011	< 0.0011	< 0.00095	< 0.00094	< 0.00096	< 0.000092	< 0.0018	< 0.0012	< 0.0011	< 0.001	< 0.0011	< 0.00091	< 0.00092	< 0.0011	< 0.0015	< 0.001	< 0.0015	< 0.00095
Methyl acetate		< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0012	< 0.00087	< 0.0011	< 0.0011	< 0.00095	< 0.00094	< 0.00096	**0.00010**	< 0.0018	< 0.0012	< 0.0011	< 0.001	< 0.0011	< 0.00091	< 0.00092	< 0.0011	< 0.0015	< 0.001	< 0.0015	< 0.00095
Methylcyclohexane		< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0012	< 0.00087	< 0.0011	< 0.0011	< 0.00095	< 0.00094	< 0.00096	< 0.000092	< 0.0018	< 0.0012	< 0.0011	< 0.001	< 0.0011	< 0.00091	< 0.00092	< 0.0011	< 0.0015	< 0.001	< 0.0015	< 0.00095
Methylene chloride	500	< 0.012	< 0.011	< 0.012	< 0.012	< 0.012	< 0.0087	< 0.011	< 0.011	< 0.0095	< 0.0094	< 0.0096	< 0.00092	< 0.018	< 0.012	< 0.011	< 0.01	< 0.011	< 0.0091	< 0.0092	< 0.011	< 0.015	< 0.01	< 0.015	< 0.0095
Tetrachloroethene	150	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0012	**0.00085 J**	< 0.0011	< 0.0011	< 0.00095	< 0.00094	< 0.00096	**0.000071 J**	< 0.0018	< 0.0012	< 0.0011	< 0.001	< 0.0011	< 0.00091	< 0.00092	< 0.0011	< 0.0015	< 0.001	< 0.0015	< 0.00095
Toluene	500	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0012	< 0.00087	< 0.0011	< 0.0011	< 0.00095	< 0.00094	< 0.00096	< 0.000092	< 0.0018	< 0.0012	< 0.0011	< 0.001	< 0.0011	< 0.00091	< 0.00092	< 0.0011	< 0.0015	< 0.001	< 0.0015	< 0.00095
Trichloroethene	200	< 0.0012	< 0.0011	< 0.0012	< 0.0012	< 0.0012	< 0.00087	< 0.0011	< 0.0011	< 0.00095	< 0.00094	< 0.00096	< 0.000092	< 0.0018	< 0.0012	< 0.0011	< 0.001	< 0.0011	< 0.00091	< 0.00092	< 0.0011	< 0.0015	< 0.001	< 0.0015	< 0.00095
Trichlorofluoromethane		< 0.0062	< 0.0055	< 0.0058	< 0.0062	< 0.0059	< 0.0044	< 0.0055	< 0.0057	< 0.0047	< 0.0047	< 0.0048	< 0.00046	< 0.0092	< 0.0058	< 0.0057	< 0.0052	< 0.0053	< 0.0045	< 0.0046	< 0.0054	< 0.0074	< 0.0051	< 0.0074	< 0.0048
Semivolatile Organic Compounds (SVOC) (mg/kg)																									
1,1'-Biphenyl		< 0.69	< 0.7	< 0.7	< 0.68	< 0.7	< 0.73	< 0.69	< 0.8	< 0.69	< 0.72	< 0.7	< 0.72	< 0.7	< 0.7	< 0.69	< 0.7	< 0.71	< 0.72	< 0.72	< 0.71	< 0.8	< 0.7	< 0.73	< 0.76
2-Methylnaphthalene		< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Acenaphthene	500	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Anthracene	500	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Benzo(a)anthracene	5.6	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Benzo(a)pyrene	1	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Benzo(b)fluoranthene	5.6	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Bis(2-ethylhexyl)phthalate		< 0.35	< 0.36	< 0.36	< 0.35	< 0.36	< 0.37	< 0.35	< 0.4	< 0.35	< 0.37	< 0.36	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.41	< 0.36	< 0.37	< 0.39
Butylbenzyl phthalate		< 0.35	< 0.36	< 0.36	< 0.35	< 0.36	< 0.37	< 0.35	< 0.4	< 0.35	< 0.37	< 0.36	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.41	< 0.36	< 0.37	< 0.39
Chrysene	56	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Dibenzofuran	350	< 0.35	< 0.36	< 0.36	< 0.35	< 0.36	< 0.37	< 0.35	< 0.4	< 0.35	< 0.37	< 0.36	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.41	< 0.36	< 0.37	< 0.39
Dimethyl phthalate		< 0.35	< 0.36	< 0.36	< 0.35	< 0.36	< 0.37	< 0.35	< 0.4	< 0.35	< 0.37	< 0.36	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.41	< 0.36	< 0.37	< 0.39
Fluoranthene	500	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Fluorene	500	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Hexachlorobenzene	6	< 0.35	< 0.36	< 0.36	< 0.35	< 0.36	< 0.37	< 0.35	< 0.4	< 0.35	< 0.37	< 0.36	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.41	< 0.36	< 0.37	< 0.39
Naphthalene	500	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Phenanthrene	500	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Phenol	500	< 0.35	< 0.36	< 0.36	< 0.35	< 0.36	< 0.37	< 0.35	< 0.4	< 0.35	< 0.37	< 0.36	< 0.37	< 0.35	< 0.35	< 0.35	< 0.35	< 0.36	< 0.36	< 0.37	< 0.36	< 0.41	< 0.36	< 0.37	< 0.39
Pyrene	500	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.17	< 0.2	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.17	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.2	< 0.18	< 0.18	< 0.19
Metals (mg/kg)																									
Aluminum		**3700**	**1600**	**3400**	**3600**	**3100**	**3600**	**3400**	**3300**	**1700**	**3200**	**3100**	**5600**	**2400**	**1500**	**2300**	**2000**	**2200**	**2700**	**2500**	**2300**	**4000**	**1800**	**3600**	**5100**
Antimony		< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.9	< 1.8	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 2	< 1.7	< 1.8	< 1.9
Arsenic	16	**1.0 J**	**0.61 J**	**1.0 J**	**2.9 J**	**1.3 J**	< 3.5	< 3.4	< 3.9	< 3.5	< 3.5	< 3.4	< 3.5	< 3.5	< 3.5	< 3.4	< 3.4	< 3.4	< 3.5	< 3.5	< 3.4	< 3.9	< 3.4	< 3.5	< 3.7
Barium	400	**13**	**10**	**15**	**15**	**11**	**14**	**14**	**16**	**10**	**16**	**16**	**15**	**13**	**5.6**	**7.1**	**13**	**14**	**15**	**9.1**	**12**	**13**	**6.5**	**9.4**	**17**
Beryllium	590	**0.18**	**0.15 J**	**0.21**	**0.20**	**0.17 J**	**0.15 J**	**0.15 J**	**0.16 J**	**0.085 J**	**0.17 J**	**0.18**	**0.22**	**0.13 J**	**0.065 J**	**0.089 J**	**0.12 J**	**0.095 J**	**0.14 J**	**0.10 J**	**0.11 J**	**0.15 J**	**0.074 J**	**0.14 J**	**0.19**
Cadmium	9.3	< 0.34	< 0.34	< 0.35	< 0.33	< 0.35	< 0.35	< 0.34	< 0.39	< 0.35	< 0.35	< 0.34	< 0.35	< 0.35	< 0.35	< 0.34	< 0.34	< 0.34	< 0.35	< 0.35	< 0.34	**0.28 J**	< 0.34	< 0.35	< 0.37
Calcium		**470**	**140**	**110**	**140**	**210**	**8500**	**1400**	**100**	**250**	**130**	**77**	**190**	**64**	**74**	**130**	**150**	**120**	**130**	**530**	**130**	**1300**	**180**	**170**	**230**
Chromium	1500	**7.3**	**3.8**	**5.4**	**8.8**	**12**	**13**	**13**	**5.1**	**5.5**	**4.9**	**5.3**	**13**	**3.9**	**2.9**	**4.6**	**3.9**	**3.2**	**4.7**	**3.8**	**3.8**	**7.9**	**3.5**	**5.5**	**6.1**
Cobalt		**1.9**	**1.7**	**2.2**	**2.4**	**2.4**	**1.5 J**	**1.9**	**1.7 J**	**1.2 J**	**1.6 J**	**1.8**	**1.9**	**1.2 J**	**0.98 J**	**1.3 J**	**1.4 J**	**1.4 J**	**1.7 J**	**1.2 J**	**1.3 J**	**2.6**	**1.4 J**	**2.3**	**2.6**
Copper	270	**4.6**	**2.6**	**5.6**	**5.0**	**4.7**	**6.2**	**6.6**	**6.1**	**5.0**	**5.4**	**5.2**	**6.5**	**4.6**	**3.1**	**4.1**	**4.3**	**4.7**	**4.7**	**4.1**	**3.6**	**11**	**3.6**	**6.7**	**5.3**
Iron		**4900 D**	**4300 D**	**5400 D**	**5700 D**	**5200 D**	**4700**	**5600**	**4800**	**3200**	**4300**	**5400**	**6400**	**3700**	**2600**	**3400**	**3900**	**3000**	**4600**	**3800 D**	**4300 D**	**7900 D**	**3300 D**	**6500 D**	**7800 D**
Lead	1000	**3.8**	**1.8**	**2.8**	**2.6**	**2.6**	**4.9**	**4.1**	**2.5**	**2.0**	**2.5**	**2.6**	**13**	**1.9**	**1.6**	**1.9**	**2.4**	**2.4**	**2.5**	**2.2**	**1.8**	**8.4**	**2.6**	**7.5**	**6.9**
Magnesium		**810**	**470**	**790**	**930**	**710**	**850**	**750**	**740**	**400**	**590**	**600**	**790**	**500**	**390**	**530**	**520**	**450**	**550**	**640**	**480**	**910**	**440**	**800**	**980**
Manganese	10000	**140**	**220**	**330**	**150**	**140**	**130**	**220**	**250**	**140**	**290**	**200**	**94**	**94**	**80**	**99**	**130**	**140**	**150**	**80**	**100**	**180**	**100**	**160**	**160**
Mercury	2.8	< 0.025	< 0.025	< 0.024	< 0.025	< 0.023	**0.015 J**	< 0.025	< 0.029	< 0.026	< 0.026	< 0.023	**0.013 J**	< 0.025	< 0.025	< 0.024	< 0.024	< 0.026	< 0.027	< 0.025	< 0.026	**0.015 J**	< 0.024	**0.019 J**	**0.020 J**
Nickel	310	**4.2**	**2.9**	**4.2**	**4.5**	**4.0**	**5.9**	**7.3**	**3.6**	**5.9**	**4.1**	**9.7**	**17**	**2.5**	**1.9**	**2.9**	**2.8**	**2.3**	**3.0**	**2.4**	**2.5**	**8.0**	**2.9**	**5.3**	**5.0**
Potassium		**970**	**290**	**540**	**480**	**340**	**540**	**630**	**720**	**400**	**770**	**640**	**370**	**290**	**180**	**230**	**300**	**520**	**340**	**230**	**300**	**330**	**180**	**230**	**290**
Selenium	1500	< 3.4	< 3.4	< 3.5	< 3.3	< 3.5	< 3.5	< 3.4	< 3.9	< 3.5	< 3.5	< 3.4	< 3.5	< 3.5	< 3.5	< 3.4	< 3.4	< 3.4	< 3.5	< 3.5	< 3.4	< 3.9	< 3.4	< 3.5	< 3.7
Silver	1500	< 0.34	< 0.34	< 0.35	< 0.33	< 0.35	< 0.35	< 0.34	< 0.39	< 0.35	< 0.35	< 0.34	< 0.35	< 0.35	< 0.35	< 0.34	< 0.34	< 0.34	< 0.35	< 0.35	< 0.34	< 0.39	< 0.34	< 0.35	< 0.37
Sodium		< 170	< 170	< 170	< 170	< 180	< 170	< 170	< 190	< 180	< 170	< 170	**61 J**	< 170	< 170	< 170	< 170	**95 J**	< 170	< 170	< 170	< 200	< 170	< 180	< 190
Thallium		< 1.7	< 1.7	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.9	< 1.8	< 1.7	< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 2	< 1.7	< 1.8	< 1.9
Vanadium		**8.2**	**4.7**	**6.8**	**7.6**	**7.1**	**7.6**	**7.2**	**6.8**	**4.4**	**5.9**	**8.0**	**10**	**6.4**	**3.8**	**4.8**	**5.8**	**4.6**	**6.8**	**5.5**	**5.6**	**33**	**9.6**	**12**	**11**
Zinc	10000	**10**	**6.3**	**8.7**	**9.1**	**8.7**	**13**	**12**	**10**	**7.4**	**8.9**	**12**	**14**	**6.5**	**4.8**	**6.7**	**7.1**	**6.6**	**7.8**	**7.4**	**5.8**	**27**	**9.0**	**12**	**12**
Polychlorinated Biphenyls (PCB) (mg/kg)																									
PCB, Total	1	**0.044**	< 0.081	< 0.081	< 0.078	< 0.078	< 0.082	**0.026**	**0.15**	**0.089**	< 0.082	< 0.08	**0.079**	< 0.081	< 0.081	< 0.082	< 0.082	**0.36**	< 0.084	< 0.086	< 0.086	< 0.098	< 0.086	< 0.087	< 0.091
PCB-1016	1	< 0.08	< 0.081	< 0.081	< 0.078	< 0.078	< 0.082	< 0.081	**0.15 D**	**0.089 D**	< 0.082	< 0.08	< 0.08	< 0.081	< 0.081	< 0.082	< 0.082	< 0.082	< 0.084	< 0.086	< 0.086	< 0.098	< 0.086	< 0.087	< 0.091
PCB-1242	1	< 0.08	< 0.081	< 0.081	< 0.078	< 0.078	< 0.082	< 0.081	< 0.092	< 0.081	< 0.082	< 0.08	< 0.08	< 0.081	< 0.081	< 0.082	< 0.082	**0.22 D**	< 0.084	< 0.086	< 0.086	< 0.098	< 0.086	< 0.087	< 0.091
PCB-1248	1	< 0.08	< 0.081	< 0.081	< 0.078	< 0.078	< 0.082	< 0.081	< 0.092	< 0.081	< 0.082	< 0.08	< 0.08	< 0.081	< 0.081	< 0.082	< 0.082	< 0.082	< 0.084	< 0.086	< 0.086	< 0.098	< 0.086	< 0.087	< 0.091
PCB-1254	1	**0.044 JD**	< 0.081	< 0.081	< 0.078	< 0.078	< 0.082	**0.026 JD**	< 0.092	< 0.081	< 0.082	< 0.08	**0.043 JD**	< 0.081	< 0.081	< 0.082	< 0.082	**0.11 D**	< 0.084	< 0.086	< 0.086	< 0.098	< 0.086	< 0.087	< 0.091
PCB-1260	1	< 0.08	< 0.081	< 0.081	< 0.078	< 0.078	< 0.082	< 0.081	< 0.092	< 0.081	< 0.082	< 0.08	**0.036 JD**	< 0.081	< 0.081	< 0.082	< 0.082	**0.030 JD**	< 0.084	< 0.086	< 0.086	< 0.098	< 0.086	< 0.087	< 0.091
PCB-1268	1	< 0.08	< 0.081	< 0.081	< 0.078	< 0.078	< 0.082	< 0.081	< 0.092	< 0.081	< 0.082	< 0.08	< 0.08	< 0.081	< 0.081	< 0.082	< 0.082	< 0.082	< 0.084	< 0.086	< 0.086	< 0.098	< 0.086	< 0.087	< 0.091
PFAS Compounds (µg/kg)																									
Perfluorodecanoic acid (PFDA)		NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)		NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)		NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	**0.019 J**	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)		NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	**0.035 J**	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)		NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	**0.016 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	440	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	**0.034 J**	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	500	NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	**0.037 J**	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)		NA	NA	< 0.4	NA	NA	NA	NA	NA	NA	NA	NA	< 0.4	NA	**0.051 J**	< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)		NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)		NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)		NA	NA	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2	NA	< 0.2	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented

mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location: / Date Collected: / Sample ID: / Laboratory Sample ID:	Part 375 Commercial	SB-199 03/27/2024 SB-199 (0-2) 24C3443-07	SB-199 03/27/2024 SB-199 (3-5) 24C3443-08	SB-200 03/27/2024 SB-200 (0-2) 24C3443-09	SB-200 03/27/2024 SB-200 (3-5) 24C3443-10	SB-201 03/27/2024 SB-201 (0-2) 24C3441-02	SB-201 03/27/2024 SB-201 (3-4.5) 24C3443-12	SB-202 03/27/2024 SB-202 (15-17) 24C3443-13	SB-202 03/27/2024 SB-202 (30-32) 24C3443-14	SB-202 03/27/2024 SB-202 (40-42) 24C3443-15	SB-203 03/28/2024 SB-203 (15-17) 24C3443-17	SB-203 03/28/2024 SB-203 (30-32) 24C3443-18	SB-203 03/28/2024 SB-203 (40-42) 24C3443-19
Volatile Organic Compounds (VOCs) (mg/kg)													
2-Butanone (MEK)	500	< 0.021	< 0.029	< 0.021	< 0.021	< 0.025	< 0.027	< 0.023	< 0.031	< 0.023	< 0.02	< 0.022	< 0.022
Acetone	500	< 0.053	**0.050 J**	< 0.052	**0.030 J**	< 0.063	**0.066 J**	< 0.059	< 0.076	< 0.059	< 0.05	< 0.055	< 0.055
Benzene	44	< 0.0011	< 0.0014	< 0.001	< 0.001	< 0.0013	< 0.0013	< 0.0012	< 0.0015	< 0.0012	< 0.001	< 0.0011	< 0.0011
cis-1,2-Dichloroethene	500	< 0.0011	< 0.0014	< 0.001	< 0.001	< 0.0013	< 0.0013	< 0.0012	< 0.0015	< 0.0012	< 0.001	< 0.0011	< 0.0011
Dichlorodifluoromethane		< 0.011	< 0.014	< 0.01	< 0.01	< 0.013	< 0.013	< 0.012	< 0.015	< 0.012	< 0.01	< 0.011	< 0.011
Isopropylbenzene		< 0.0011	< 0.0014	< 0.001	< 0.001	< 0.0013	< 0.0013	< 0.0012	< 0.0015	< 0.0012	< 0.001	< 0.0011	< 0.0011
Methyl acetate		< 0.0011	< 0.0014	< 0.001	< 0.001	< 0.0013	< 0.0013	< 0.0012	< 0.0015	< 0.0012	< 0.001	< 0.0011	< 0.0011
Methylcyclohexane		< 0.0011	< 0.0014	< 0.001	< 0.001	< 0.0013	< 0.0013	< 0.0012	< 0.0015	< 0.0012	< 0.001	< 0.0011	< 0.0011
Methylene chloride	500	< 0.011	< 0.014	< 0.01	< 0.01	< 0.013	< 0.013	< 0.012	< 0.015	< 0.012	< 0.01	< 0.011	< 0.011
Tetrachloroethene	150	< 0.0011	< 0.0014	< 0.001	< 0.001	**0.0013**	< 0.0013	< 0.0012	**0.00093 J**	< 0.0012	< 0.001	< 0.0011	< 0.0011
Toluene	500	< 0.0011	< 0.0014	< 0.001	< 0.001	< 0.0013	< 0.0013	< 0.0012	< 0.0015	< 0.0012	< 0.001	< 0.0011	< 0.0011
Trichloroethene	200	< 0.0011	< 0.0014	< 0.001	< 0.001	< 0.0013	< 0.0013	< 0.0012	**0.00093 J**	< 0.0012	< 0.001	< 0.0011	< 0.0011
Trichlorofluoromethane		< 0.0053	< 0.0072	< 0.0052	< 0.0052	< 0.0063	< 0.0067	< 0.0059	< 0.0076	< 0.0059	< 0.005	< 0.0055	< 0.0055
Semivolatile Organic Compounds (SVOC) (mg/kg)													
1,1'-Biphenyl		< 0.75	< 0.82	< 0.72	< 0.73	< 0.81	< 0.79	< 0.7	< 0.7	< 0.71	< 0.72	< 0.82	< 0.82
2-Methylnaphthalene		< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Acenaphthene	500	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Anthracene	500	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Benzo(a)anthracene	5.6	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Benzo(a)pyrene	1	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Benzo(b)fluoranthene	5.6	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Bis(2-ethylhexyl)phthalate		**0.064 J**	< 0.41	< 0.37	< 0.37	< 0.41	< 0.4	< 0.36	< 0.35	< 0.36	< 0.37	**0.072 J**	< 0.41
Butylbenzyl phthalate		< 0.38	< 0.41	< 0.37	< 0.37	< 0.41	< 0.4	< 0.36	< 0.35	< 0.36	< 0.37	< 0.41	< 0.41
Chrysene	56	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Dibenzofuran	350	< 0.38	< 0.41	< 0.37	< 0.37	< 0.41	< 0.4	< 0.36	< 0.35	< 0.36	< 0.37	< 0.41	< 0.41
Dimethyl phthalate		**0.054 J**	**0.071 J**	< 0.37	< 0.37	< 0.41	< 0.4	< 0.36	< 0.35	< 0.36	< 0.37	< 0.41	< 0.41
Fluoranthene	500	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Fluorene	500	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Hexachlorobenzene	6	< 0.38	< 0.41	< 0.37	< 0.37	< 0.41	< 0.4	< 0.36	< 0.35	< 0.36	< 0.37	< 0.41	< 0.41
Naphthalene	500	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Phenanthrene	500	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Phenol	500	< 0.38	< 0.41	< 0.37	< 0.37	< 0.41	< 0.4	< 0.36	< 0.35	< 0.36	< 0.37	< 0.41	< 0.41
Pyrene	500	< 0.19	< 0.21	< 0.18	< 0.18	< 0.21	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.21	< 0.21
Metals (mg/kg)													
Aluminum		**4000**	**5600**	**4500**	**9300**	**2500**	**3000**	**4100**	**2700**	**2100**	**3300**	**2700**	**1300**
Antimony		< 1.8	< 2	< 1.8	< 1.8	< 2	< 1.9	< 1.7	< 1.7	< 1.8	< 1.7	< 2.1	< 2
Arsenic	16	**6.2 JD**	**8.4 D**	< 3.5	< 3.5	< 4	< 3.9	< 3.5	< 3.4	< 3.6	< 3.5	< 4.1	< 4
Barium	400	**22**	**18**	**9.8**	**17**	**16**	**12**	**13**	**11**	**9.5**	**10**	**13**	**7.2**
Beryllium	590	< 0.18	< 0.2	**0.16 J**	**0.27**	**0.16 J**	**0.15 J**	**0.17 J**	**0.14 J**	**0.10 J**	**0.13 J**	**0.12 J**	**0.064 J**
Cadmium	9.3	**1.5**	**2.1**	< 0.35	< 0.35	**0.52**	< 0.39	**0.39**	< 0.34	< 0.36	**0.18 J**	< 0.41	< 0.4
Calcium		**5500**	**7400**	**280**	**220**	**320**	**110**	**310**	**620**	**410**	**410**	**910**	**380**
Chromium	1500	**20**	**20**	**6.0**	**9.3**	**5.6**	**4.5**	**7.2**	**5.9**	**6.4**	**5.8**	**10**	**5.2**
Cobalt		**0.88 J**	**1.2 J**	**2.0**	**1.9**	**1.9 J**	**1.5 J**	**1.6 J**	**1.4 J**	**1.3 J**	**1.5 J**	**1.7 J**	**0.73 J**
Copper	270	**39**	**53**	**4.8**	**3.0**	**7.9**	**4.9**	**5.6**	**6.8**	**3.9**	**4.6**	**8.0**	**4.0**
Iron		**10000 D**	**10000 D**	**5800 D**	**10000 D**	**4900 D**	**4700 D**	**6100 D**	**4900 D**	**4000 D**	**4800 D**	**5800 D**	**3000 D**
Lead	1000	**30**	**26**	**5.1**	**6.0**	**220**	**2.8**	**14**	**4.5**	**2.6**	**7.3**	**4.2**	**2.6**
Magnesium		**890**	**1300**	**680**	**970**	**660**	**620**	**670**	**580**	**580**	**580**	**720**	**310**
Manganese	10000	**140**	**130**	**64**	**66**	**140**	**110**	**120**	**110**	**100**	**86**	**140**	**71**
Mercury	2.8	< 0.026	**0.023 J**	**0.017 J**	**0.025 J**	**0.012 J**	< 0.029	**0.015 J**	< 0.026	< 0.024	**0.020 J**	**0.015 J**	**0.016 J**
Nickel	310	**11**	**13**	**3.9**	**5.0**	**4.5**	**3.3**	**6.7**	**3.5**	**2.8**	**4.5**	**4.5**	**1.8**
Potassium		**610**	**2600**	**200**	**220**	**290**	**380**	**910**	**670**	**460**	**370**	**480**	**220**
Selenium	1500	< 3.7	< 3.9	< 3.5	< 3.5	< 4	< 3.9	< 3.5	< 3.4	< 3.6	< 3.5	< 4.1	< 4
Silver	1500	< 0.37	**0.69**	< 0.35	< 0.35	< 0.4	< 0.39	< 0.35	< 0.34	< 0.36	< 0.35	< 0.41	< 0.4
Sodium		**150 J**	**800**	< 180	< 180	< 200	< 190	< 170	< 170	< 180	**59 J**	< 210	< 200
Thallium		**1.1 J**	**3.0**	< 1.8	< 1.8	< 2	< 1.9	< 1.7	< 1.7	< 1.8	< 1.7	< 2.1	< 2
Vanadium		**360**	**810**	**13**	**16**	**16**	**7.0**	**11**	**7.0**	**5.3**	**8.2**	**8.3**	**5.1**
Zinc	10000	**51**	**200**	**10**	**13**	**21**	**7.8**	**16**	**8.9**	**6.7**	**11**	**19**	**8.4**
Polychlorinated Biphenyls (PCB) (mg/kg)													
PCB, Total	1	**0.316**	**0.102**	**0.17**	**0.58**	< 0.098	< 0.095	**0.167**	**0.04**	< 0.086	**0.566**	**0.92**	**0.57**
PCB-1016	1	< 0.09	< 0.099	< 0.087	< 0.088	< 0.098	< 0.095	< 0.085	< 0.084	< 0.086	< 0.088	< 0.099	< 0.1
PCB-1242	1	< 0.09	< 0.099	< 0.087	< 0.088	< 0.098	< 0.095	< 0.085	< 0.084	< 0.086	**0.49 D**	**0.87 D**	**0.57 D**
PCB-1248	1	< 0.09	< 0.099	< 0.087	< 0.088	< 0.098	< 0.095	< 0.085	< 0.084	< 0.086	< 0.088	< 0.099	< 0.1
PCB-1254	1	**0.23 D**	**0.063 JD**	**0.085 JD**	**0.58 D**	< 0.098	< 0.095	**0.12 D**	**0.040 JD**	< 0.086	**0.051 JD**	**0.050 JD**	< 0.1
PCB-1260	1	**0.086 JD**	**0.039 JD**	**0.085 JD**	< 0.088	< 0.098	< 0.095	**0.047 JD**	< 0.084	< 0.086	**0.025 JD**	< 0.099	< 0.1
PCB-1268	1	< 0.09	< 0.099	< 0.087	< 0.088	< 0.098	< 0.095	< 0.085	< 0.084	< 0.086	< 0.088	< 0.099	< 0.1
PFAS Compounds (µg/kg)													
Perfluorodecanoic acid (PFDA)		**0.079 J**	NA	NA	NA	**0.023 J**	NA	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid (PFDoA)		**0.093 J**	NA	NA	NA	**0.026 J**	NA	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)		**0.017 J**	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA
Perfluorohexanoic acid (PFHxA)		< 0.2	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA
Perfluorononane sulfonic acid (PFNS)		**0.025 J**	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		**0.046 J**	NA	NA	NA	**0.016 J**	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	440	**0.24**	NA	NA	NA	**0.042 J**	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	500	**0.048 J**	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA
Perfluoropentanoic acid (PFPeA)		< 0.39	NA	NA	NA	< 0.39	NA	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid (PFTeDA)		**0.054 J**	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid (PFTrDA)		**0.094 J**	NA	NA	NA	**0.024 J**	NA	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)		**0.17 J**	NA	NA	NA	**0.035 J**	NA	NA	NA	NA	NA	NA	NA

Location: / Date Collected: / Sample ID: / Laboratory Sample ID:	SB-204 03/28/2024 SB-204 (15-17) 24C3443-20	SB-204 03/28/2024 SB-204 (25-27) 24C3443-21	SB-205 03/28/2024 SB-205 (15-17) 24C3443-22	SB-205 03/28/2024 SB-205 (25-27) 24C3443-23	SB-206 03/28/2024 SB-206 (0.5-2.5) 24C3443-24	SB-206 03/28/2024 SB-206 (8-10) 24C3443-25	SB-207 03/29/2024 SB-207 (19-21) 24D0105-01	SB-207 03/29/2024 SB-207 (28-30) 24D0107-02	SB-208 03/29/2024 SB-208 (21-23) 24D0102-02	SB-208 03/29/2024 SB-208 (28-30) 24D0107-04	SB-209 04/01/2024 SB-209 (20-22) 24D0346-13	SB-209 04/01/2024 SB-209 (28-30) 24D0348-02
Volatile Organic Compounds (VOCs) (mg/kg)												
2-Butanone (MEK)	< 0.023	< 0.021	< 0.025	< 0.026	< 0.027	< 0.023	< 0.021	< 0.021	< 0.027	< 0.02	< 0.031	< 0.034
Acetone	< 0.057	< 0.053	< 0.062	< 0.065	< 0.068	< 0.057	< 0.053	< 0.053	< 0.067	< 0.05	< 0.077	< 0.084
Benzene	< 0.0011	< 0.0011	< 0.0012	< 0.0013	< 0.0014	< 0.0011	< 0.0011	< 0.0011	< 0.0013	< 0.00099	< 0.0015	< 0.0017
cis-1,2-Dichloroethene	< 0.0011	< 0.0011	< 0.0012	< 0.0013	< 0.0014	< 0.0011	< 0.0011	< 0.0011	< 0.0013	< 0.00099	< 0.0015	< 0.0017
Dichlorodifluoromethane	< 0.011	< 0.011	< 0.012	< 0.013	< 0.014	< 0.011	< 0.011	< 0.011	< 0.013	< 0.0099	< 0.015	< 0.017
Isopropylbenzene	< 0.0011	< 0.0011	< 0.0012	< 0.0013	< 0.0014	< 0.0011	< 0.0011	< 0.0011	< 0.0013	< 0.00099	< 0.0015	< 0.0017
Methyl acetate	< 0.0011	< 0.0011	< 0.0012	< 0.0013	< 0.0014	< 0.0011	< 0.0011	< 0.0011	< 0.0013	< 0.00099	< 0.0015	< 0.0017
Methylcyclohexane	< 0.0011	< 0.0011	< 0.0012	< 0.0013	< 0.0014	< 0.0011	< 0.0011	< 0.0011	< 0.0013	< 0.00099	< 0.0015	< 0.0017
Methylene chloride	< 0.011	< 0.011	< 0.012	< 0.013	< 0.014	< 0.011	< 0.011	< 0.011	< 0.013	< 0.0099	< 0.015	< 0.017
Tetrachloroethene	< 0.0011	**0.00066 J**	< 0.0012	< 0.0013	**0.00066 J**	< 0.0011	< 0.0011	< 0.0011	< 0.0013	< 0.00099	< 0.0015	< 0.0017
Toluene	< 0.0011	< 0.0011	< 0.0012	< 0.0013	< 0.0014	< 0.0011	< 0.0011	< 0.0011	< 0.0013	< 0.00099	< 0.0015	< 0.0017
Trichloroethene	< 0.0011	< 0.0011	< 0.0012	< 0.0013	< 0.0014	< 0.0011	< 0.0011	< 0.0011	< 0.0013	< 0.00099	< 0.0015	< 0.0017
Trichlorofluoromethane	< 0.0057	< 0.0053	< 0.0062	< 0.0065	< 0.0068	< 0.0057	< 0.0053	< 0.0053	< 0.0067	< 0.005	< 0.0077	< 0.0084
Semivolatile Organic Compounds (SVOC) (mg/kg)												
1,1'-Biphenyl	< 0.78	< 0.72	< 0.73	< 0.69	< 0.73	< 0.71	NA	NA	NA	NA	< 0.72	NA
2-Methylnaphthalene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Acenaphthene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Anthracene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Benzo(a)anthracene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Benzo(a)pyrene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Benzo(b)fluoranthene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Bis(2-ethylhexyl)phthalate	< 0.4	**0.055 J**	< 0.37	< 0.35	< 0.37	< 0.36	NA	NA	NA	NA	< 0.37	NA
Butylbenzyl phthalate	< 0.4	< 0.36	< 0.37	< 0.35	< 0.37	< 0.36	NA	NA	NA	NA	< 0.37	NA
Chrysene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Dibenzofuran	< 0.4	< 0.36	< 0.37	< 0.35	< 0.37	< 0.36	NA	NA	NA	NA	< 0.37	NA
Dimethyl phthalate	< 0.4	< 0.36	< 0.37	< 0.35	< 0.37	< 0.36	NA	NA	NA	NA	< 0.37	NA
Fluoranthene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Fluorene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Hexachlorobenzene	< 0.4	< 0.36	< 0.37	< 0.35	< 0.37	< 0.36	NA	NA	NA	NA	< 0.37	NA
Naphthalene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Phenanthrene	< 0.2	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	NA	NA	NA	NA	< 0.18	NA
Phenol	< 0.4	< 0.36	< 0.37	< 0.35	< 0.37	< 0.36	NA	NA	NA	NA	< 0.37	NA
Pyrene	< 0.2	< 0.18	< 0.18	< 0.18	**0.040 J**	< 0.18	NA	NA	NA	NA	< 0.18	NA
Metals (mg/kg)												
Aluminum	**2700**	**1800**	**1200**	**1200**	**3200**	**3300**	**1900**	**660**	**3100**	**2100**	**2800**	**2800**
Antimony	< 1.9	< 1.8	< 1.7	< 1.7	**3.7**	< 1.7	< 1.8	< 1.7	< 1.8	< 2	< 1.8	< 1.8
Arsenic	< 3.8	< 3.6	< 3.5	**0.89 J**	< 3.5	< 3.4	< 3.6	**0.52 J**	< 3.6	**0.63 J**	**1.9 J**	**2.6 J**
Barium	**14**	**7.2**	**9.8**	**4.4**	**12**	**7.0**	**6.2**	**2.7**	**19**	**12**	**12**	**12**
Beryllium	**0.13 J**	**0.13 J**	**0.10 J**	**0.095 J**	**0.15 J**	**0.15 J**	**0.089 J**	< 0.17	**0.14 J**	**0.088 J**	**0.12 J**	**0.14 J**
Cadmium	< 0.38	< 0.36	< 0.35	< 0.34	**0.31 J**	< 0.34	< 0.36	< 0.35	< 0.36	< 0.4	< 0.35	< 0.35
Calcium	**840**	**620**	**62**	**51**	**1400**	**160**	**160**	**42**	**100**	**110**	**190**	**280**
Chromium	**4.4**	**4.7**	**2.5**	**12**	**7.3**	**4.0**	**7.4**	**4.2**	**6.4**	**5.3**	**13**	**30**
Cobalt	**1.6 J**	**1.1 J**	**0.96 J**	**1.3 J**	**1.6 J**	**2.0**	**1.2 J**	**0.47 J**	**1.5 J**	**1.4 J**	**2.0**	**1.9**
Copper	**5.3**	**3.1**	**2.2**	**2.4**	**5.9**	**3.5**	**4.4**	**3.0**	**5.6**	**4.1**	**10**	**6.9**
Iron	**4800 D**	**3300**	**2300**	**4400 D**	**4800 D**	**4500 D**	**3900**	**1500**	**4600**	**3300**	**4900**	**6800 D**
Lead	**2.4**	**3.8**	**1.7**	**1.5**	**29**	**2.6**	**2.9**	**0.78**	**2.4**	**2.0**	**5.7**	**3.6**
Magnesium	**640**	**360**	**360**	**300**	**610**	**660**	**540**	**170**	**730**	**480**	**730**	**720**
Manganese	**140**	**86**	**98**	**190**	**94**	**77**	**170**	**29**	**130**	**110**	**130**	**140**
Mercury	< 0.027	< 0.024	< 0.025	< 0.025	< 0.027	< 0.025	< 0.027	< 0.027	< 0.027	< 0.029	< 0.027	< 0.024
Nickel	**3.1**	**3.8**	**1.8**	**3.3**	**6.1**	**3.6**	**3.9**	**1.3**	**3.9**	**2.9**	**4.6**	**4.5**
Potassium	**450**	**320**	**210**	**130 J**	**380**	**230**	**200**	**81 J**	**460**	**290**	**400**	**430**
Selenium	< 3.8	< 3.6	< 3.5	< 3.4	< 3.5	< 3.4	< 3.6	< 3.5	< 3.6	< 4	< 3.5	< 3.5
Silver	< 0.38	< 0.36	< 0.35	< 0.34	< 0.35	< 0.34	< 0.36	< 0.35	< 0.36	< 0.4	< 0.35	< 0.35
Sodium	< 190	< 180	< 170	< 170	< 180	< 170	< 180	< 170	< 180	< 200	< 180	< 180
Thallium	< 1.9	< 1.8	< 1.7	< 1.7	< 1.8	< 1.7	< 1.8	< 1.7	< 1.8	< 2	< 1.8	< 1.8
Vanadium	**6.6**	**5.2**	**3.0**	**4.2**	**7.1**	**6.0**	**4.5**	**2.7**	**7.8**	**6.7**	**7.4**	**15**
Zinc	**7.9**	**6.9**	**4.0**	**3.9**	**100**	**6.8**	**11**	**3.0**	**8.3**	**5.8**	**55**	**9.5**
Polychlorinated Biphenyls (PCB) (mg/kg)												
PCB, Total	< 0.097	< 0.085	< 0.085	< 0.083	**0.201**	< 0.085	< 0.088	< 0.078	< 0.087	< 0.088	< 0.086	**0.048**
PCB-1016	< 0.097	< 0.085	< 0.085	< 0.083	< 0.085	< 0.085	< 0.088	< 0.078	< 0.087	< 0.088	< 0.086	< 0.078
PCB-1242	< 0.097	< 0.085	< 0.085	< 0.083	< 0.085	< 0.085	< 0.088	< 0.078	< 0.087	< 0.088	< 0.086	**0.048 JD**
PCB-1248	< 0.097	< 0.085	< 0.085	< 0.083	**0.11 D**	< 0.085	< 0.088	< 0.078	< 0.087	< 0.088	< 0.086	< 0.078
PCB-1254	< 0.097	< 0.085	< 0.085	< 0.083	**0.063 JD**	< 0.085	< 0.088	< 0.078	< 0.087	< 0.088	< 0.086	< 0.078
PCB-1260	< 0.097	< 0.085	< 0.085	< 0.083	**0.028 JD**	< 0.085	< 0.088	< 0.078	< 0.087	< 0.088	< 0.086	< 0.078
PCB-1268	< 0.097	< 0.085	< 0.085	< 0.083	< 0.085	< 0.085	< 0.088	< 0.078	< 0.087	< 0.088	< 0.086	< 0.078
PFAS Compounds (µg/kg)												
Perfluorodecanoic acid (PFDA)	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA
Perfluorododecanoic acid (PFDoA)	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA
Perfluoroheptanoic acid (PFHpA)	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA
Perfluorohexanoic acid (PFHxA)	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA
Perfluorononane sulfonic acid (PFNS)	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA
Perfluorononanoic acid (PFNA)	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	**0.034 J**	NA
Perfluorooctanesulfonic acid (PFOS)	NA	NA	< 0.2	NA	**0.098 J**	NA	**0.11 J**	NA	< 0.2	NA	**0.28**	NA
Perfluorooctanoic acid (PFOA)	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA
Perfluoropentanoic acid (PFPeA)	NA	NA	< 0.4	NA	< 0.39	NA	< 0.4	NA	< 0.39	NA	< 0.4	NA
Perfluorotetradecanoic acid (PFTeDA)	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA
Perfluorotridecanoic acid (PFTrDA)	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA
Perfluoroundecanoic acid (PFUnA)	NA	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA	< 0.2	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 7
2024 Geoprobe Soil Analytical Results
Lawrence Aviation
Port Jefferson, New York

Location:	Part 375 Commercial	SB-210	SB-210	SB-211	SB-211	SB-212	SB-212	SB-213	SB-213	SB-214	SB-214
Date Collected:		04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/01/2024	04/02/2024	04/02/2024	04/02/2024	04/02/2024
Sample ID:		SB-210 (21-23)	SB-210 (28-30)	SB-211 (20-22)	SB-211 (28-30)	SB-212 (11-13)	SB-212 (16-18)	SB-213 (21-23)	SB-213 (28-30)	SB-214 (21-23)	SB-214 (28-30)
Laboratory Sample ID:		24D0347-02	24D0348-04	24D0346-15	24D0348-06	24D0347-04	24D0348-08	24D0347-05	24D0348-10	24D0346-18	24D0348-12
Volatile Organic Compounds (VOCs) (mg/kg)											
2-Butanone (MEK)	500	< 0.041	< 0.033	< 0.035	< 0.041	< 0.038	< 0.032	< 0.043	< 0.037	< 0.036	< 0.04
Acetone	500	< 0.1	< 0.081	< 0.088	< 0.1	< 0.094	< 0.08	< 0.11	< 0.092	< 0.091	< 0.1
Benzene	44	< 0.0021	< 0.0016	< 0.0018	< 0.002	< 0.0019	< 0.0016	< 0.0021	< 0.0018	< 0.0018	< 0.002
cis-1,2-Dichloroethene	500	< 0.0021	< 0.0016	< 0.0018	< 0.002	< 0.0019	< 0.0016	< 0.0021	< 0.0018	< 0.0018	< 0.002
Dichlorodifluoromethane		< 0.021	< 0.016	< 0.018	< 0.02	< 0.019	< 0.016	< 0.021	< 0.018	< 0.018	< 0.02
Isopropylbenzene		< 0.0021	< 0.0016	< 0.0018	< 0.002	< 0.0019	< 0.0016	< 0.0021	< 0.0018	< 0.0018	< 0.002
Methyl acetate		< 0.0021	< 0.0016	< 0.0018	< 0.002	< 0.0019	< 0.0016	< 0.0021	< 0.0018	< 0.0018	< 0.002
Methylcyclohexane		< 0.0021	< 0.0016	< 0.0018	< 0.002	< 0.0019	< 0.0016	< 0.0021	< 0.0018	< 0.0018	< 0.002
Methylene chloride	500	< 0.021	< 0.016	< 0.018	< 0.02	< 0.019	< 0.016	< 0.021	< 0.018	< 0.018	< 0.02
Tetrachloroethene	150	< 0.0021	< 0.0016	< 0.0018	< 0.002	< 0.0019	< 0.0016	< 0.0021	< 0.0018	< 0.0018	< 0.002
Toluene	500	< 0.0021	< 0.0016	< 0.0018	< 0.002	< 0.0019	< 0.0016	< 0.0021	< 0.0018	< 0.0018	< 0.002
Trichloroethene	200	< 0.0021	< 0.0016	< 0.0018	< 0.002	< 0.0019	< 0.0016	< 0.0021	< 0.0018	< 0.0018	< 0.002
Trichlorofluoromethane		< 0.01	< 0.0081	< 0.0088	< 0.01	< 0.0094	< 0.008	< 0.011	< 0.0092	< 0.0091	< 0.01
Semivolatile Organic Compounds (SVOC) (mg/kg)											
1,1'-Biphenyl		NA	NA	< 0.7	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene		NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	500	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Anthracene	500	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	5.6	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	1	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	5.6	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate		NA	NA	< 0.35	NA	NA	NA	NA	NA	NA	NA
Butylbenzyl phthalate		NA	NA	< 0.35	NA	NA	NA	NA	NA	NA	NA
Chrysene	56	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	350	NA	NA	< 0.35	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate		NA	NA	< 0.35	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	500	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Fluorene	500	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	6	NA	NA	< 0.35	NA	NA	NA	NA	NA	NA	NA
Naphthalene	500	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	500	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Phenol	500	NA	NA	< 0.35	NA	NA	NA	NA	NA	NA	NA
Pyrene	500	NA	NA	< 0.18	NA	NA	NA	NA	NA	NA	NA
Metals (mg/kg)											
Aluminum		**4100**	**1900**	**2500**	**1000**	**3700**	**5200**	**2200**	**1600**	**2700**	**2300**
Antimony		< 1.7	< 1.8	< 1.7	< 1.7	< 2	< 1.7	< 1.8	< 1.7	< 1.7	< 1.9
Arsenic	16	**2.7 J**	**0.64 J**	**1.6 J**	**1.4 J**	**2.3 J**	**1.6 J**	**1.9 J**	**0.66 J**	**1.4 J**	**0.67 J**
Barium	400	**22**	**12**	**12**	**3.9**	**16**	**16**	**8.8**	**7.1**	**8.0**	**8.3**
Beryllium	590	**0.25**	**0.16 J**	**0.15 J**	< 0.17	**0.18 J**	**0.27**	**0.12 J**	**0.084 J**	**0.10 J**	**0.072 J**
Cadmium	9.3	< 0.34	< 0.36	< 0.34	< 0.34	< 0.4	< 0.35	< 0.35	< 0.35	< 0.35	< 0.38
Calcium		**180**	**150**	**120**	**43**	**390**	**310**	**150**	**220**	**190**	**180**
Chromium	1500	**13**	**19**	**9.9**	**3.7**	**6.3**	**7.0**	**4.1**	**2.4**	**5.3**	**4.4**
Cobalt		**3.2**	**1.0 J**	**2.1**	**1.2 J**	**2.9**	**1.9**	**2.1**	**1.1 J**	**1.4 J**	**1.5 J**
Copper	270	**11**	**6.8**	**7.9**	**4.3**	**8.6**	**8.2**	**8.0**	**2.6**	**5.4**	**4.1**
Iron		**8500**	**7300 D**	**4900**	**2400**	**5900**	**8400 D**	**5200**	**3100**	**5500**	**5200 D**
Lead	1000	**4.5**	**2.9**	**2.2**	**1.4**	**3.5**	**3.0**	**3.6**	**1.6**	**2.8**	**2.3**
Magnesium		**1300**	**460**	**700**	**350**	**1100**	**1100**	**590**	**350**	**900**	**530**
Manganese	10000	**200**	**32**	**150**	**85**	**160**	**68**	**84**	**110**	**47**	**45**
Mercury	2.8	< 0.025	< 0.025	< 0.025	< 0.024	< 0.028	< 0.026	< 0.025	< 0.026	< 0.025	< 0.028
Nickel	310	**7.1**	**2.6**	**4.7**	**2.3**	**5.3**	**5.5**	**3.5**	**2.3**	**4.1**	**3.2**
Potassium		**600**	**250**	**300**	**110 J**	**550**	**750**	**310**	**180**	**340**	**340**
Selenium	1500	< 3.4	< 3.6	< 3.4	< 3.4	< 4	< 3.5	< 3.5	< 3.5	< 3.5	< 3.8
Silver	1500	< 0.34	< 0.36	< 0.34	< 0.34	< 0.4	< 0.35	< 0.35	< 0.35	< 0.35	< 0.38
Sodium		< 170	< 180	< 170	< 170	< 200	< 170	< 180	< 170	< 170	< 190
Thallium		< 1.7	< 1.8	< 1.7	< 1.7	< 2	< 1.7	< 1.8	< 1.7	< 1.7	< 1.9
Vanadium		**11**	**6.2**	**6.2**	**3.0**	**8.8**	**12**	**7.2**	**4.7**	**7.1**	**8.5**
Zinc	10000	**18**	**7.8**	**9.2**	**4.6**	**17**	**20**	**15**	**12**	**12**	**7.3**
Polychlorinated Biphenyls (PCB) (mg/kg)											
PCB, Total	1	< 0.079	< 0.083	< 0.081	< 0.08	< 0.092	< 0.086	< 0.081	< 0.085	< 0.081	< 0.092
PCB-1016	1	< 0.079	< 0.083	< 0.081	< 0.08	< 0.092	< 0.086	< 0.081	< 0.085	< 0.081	< 0.092
PCB-1242	1	< 0.079	< 0.083	< 0.081	< 0.08	< 0.092	< 0.086	< 0.081	< 0.085	< 0.081	< 0.092
PCB-1248	1	< 0.079	< 0.083	< 0.081	< 0.08	< 0.092	< 0.086	< 0.081	< 0.085	< 0.081	< 0.092
PCB-1254	1	< 0.079	< 0.083	< 0.081	< 0.08	< 0.092	< 0.086	< 0.081	< 0.085	< 0.081	< 0.092
PCB-1260	1	< 0.079	< 0.083	< 0.081	< 0.08	< 0.092	< 0.086	< 0.081	< 0.085	< 0.081	< 0.092
PCB-1268	1	< 0.079	< 0.083	< 0.081	< 0.08	< 0.092	< 0.086	< 0.081	< 0.085	< 0.081	< 0.092
PFAS Compounds (µg/kg)											
Perfluorodecanoic acid (PFDA)		< 0.2	NA	< 0.19	NA	**0.044 J**	NA	< 0.19	NA	< 0.2	NA
Perfluorododecanoic acid (PFDoA)		< 0.2	NA	< 0.19	NA	< 0.2	NA	< 0.19	NA	< 0.2	NA
Perfluoroheptanoic acid (PFHpA)		< 0.2	NA	< 0.19	NA	< 0.2	NA	< 0.19	NA	< 0.2	NA
Perfluorohexanoic acid (PFHxA)		< 0.2	NA	< 0.19	NA	< 0.2	NA	< 0.19	NA	< 0.2	NA
Perfluorononane sulfonic acid (PFNS)		< 0.2	NA	< 0.19	NA	< 0.2	NA	< 0.19	NA	< 0.2	NA
Perfluorononanoic acid (PFNA)		< 0.2	NA	< 0.19	NA	**0.016 J**	NA	< 0.19	NA	< 0.2	NA
Perfluorooctanesulfonic acid (PFOS)	440	< 0.2	NA	< 0.19	NA	**0.049 J**	NA	< 0.19	NA	**0.065 J**	NA
Perfluorooctanoic acid (PFOA)	500	< 0.2	NA	< 0.19	NA	**0.038 J**	NA	< 0.19	NA	< 0.2	NA
Perfluoropentanoic acid (PFPeA)		< 0.4	NA	< 0.39	NA	< 0.39	NA	< 0.39	NA	< 0.4	NA
Perfluorotetradecanoic acid (PFTeDA)		< 0.2	NA	< 0.19	NA	< 0.2	NA	< 0.19	NA	< 0.2	NA
Perfluorotridecanoic acid (PFTrDA)		< 0.2	NA	< 0.19	NA	< 0.2	NA	< 0.19	NA	< 0.2	NA
Perfluoroundecanoic acid (PFUnA)		< 0.2	NA	< 0.19	NA	< 0.2	NA	< 0.19	NA	< 0.2	NA

Location:	Part 375 Commercial	SB-215	SB-215	SB-216	SB-216	SB-216	SB-217	SB-217	SB-218	SB-218	SB-219	SB-219	SB-220	SB-220
Date Collected:		04/02/2024	04/02/2024	04/02/2024	04/02/2024	04/02/2024	04/03/2024	04/03/2024	04/03/2024	04/03/2024	04/03/2024	04/03/2024	04/03/2024	04/03/2024
Sample ID:		SB-215 (10-12)	SB-215 (16-18)	DUP-13	SB-216 (20-22)	SB-216 (28-30)	SB-217 (15-17)	SB-217 (23-25)	SB-218 (10-12)	SB-218 (16-18)	SB-219 (2-4)	SB-219 (6-8)	SB-220 (2-4)	SB-220 (6-8)
Laboratory Sample ID:		24D0346-19	24D0348-13	24D0346-21	24D0346-20	24D0348-15	24D0792-01	24D0792-02	24D0792-03	24D0802-01	24D0796-01	24D0792-05	24D0792-06	24D0792-07
Volatile Organic Compounds (VOCs) (mg/kg)														
2-Butanone (MEK)	500	< 0.039	< 0.034	< 0.038	< 0.04	< 0.039	< 0.041	< 0.033	< 0.04	< 0.036	< 0.033	< 0.033	**0.017 J**	< 0.04
Acetone	500	< 0.097	< 0.086	< 0.094	< 0.099	< 0.098	< 0.1	< 0.083	< 0.099	< 0.09	< 0.083	< 0.083	**0.11**	< 0.099
Benzene	44	< 0.0019	< 0.0017	< 0.0019	< 0.002	< 0.002	< 0.0021	< 0.0017	< 0.002	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.002
cis-1,2-Dichloroethene	500	< 0.0019	< 0.0017	< 0.0019	< 0.002	< 0.002	< 0.0021	< 0.0017	< 0.002	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.002
Dichlorodifluoromethane		< 0.019	< 0.017	< 0.019	< 0.02	< 0.02	< 0.021	< 0.017	< 0.02	< 0.018	< 0.017	< 0.017	< 0.018	< 0.02
Isopropylbenzene		< 0.0019	< 0.0017	< 0.0019	< 0.002	< 0.002	< 0.0021	< 0.0017	< 0.002	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.002
Methyl acetate		< 0.0019	< 0.0017	< 0.0019	< 0.002	< 0.002	< 0.0021	< 0.0017	< 0.002	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.002
Methylcyclohexane		< 0.0019	< 0.0017	< 0.0019	< 0.002	< 0.002	< 0.0021	< 0.0017	< 0.002	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.002
Methylene chloride	500	< 0.019	< 0.017	< 0.019	< 0.02	< 0.02	**0.0032 J**	< 0.017	< 0.02	< 0.018	**0.0020 J**	< 0.017	< 0.018	< 0.02
Tetrachloroethene	150	< 0.0019	< 0.0017	< 0.0019	< 0.002	< 0.002	< 0.0021	< 0.0017	< 0.002	< 0.0018	< 0.0017	< 0.0017	**0.0021**	< 0.002
Toluene	500	< 0.0019	< 0.0017	< 0.0019	< 0.002	< 0.002	< 0.0021	< 0.0017	< 0.002	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.002
Trichloroethene	200	< 0.0019	< 0.0017	< 0.0019	< 0.002	< 0.002	< 0.0021	< 0.0017	< 0.002	< 0.0018	< 0.0017	< 0.0017	< 0.0018	< 0.002
Trichlorofluoromethane		< 0.0097	< 0.0086	< 0.0094	< 0.0099	< 0.0098	< 0.01	< 0.0083	< 0.0099	< 0.009	< 0.0083	< 0.0083	< 0.0092	< 0.0099
Semivolatile Organic Compounds (SVOC) (mg/kg)														
1,1'-Biphenyl		< 0.73	NA	< 0.7	< 0.7	NA	< 0.72	< 0.72	< 0.79	NA	< 0.72	< 0.75	< 1.4	< 0.68
2-Methylnaphthalene		< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Acenaphthene	500	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Anthracene	500	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Benzo(a)anthracene	5.6	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Benzo(a)pyrene	1	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Benzo(b)fluoranthene	5.6	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Bis(2-ethylhexyl)phthalate		< 0.37	NA	**0.16 J**	**0.15 J**	NA	< 0.36	< 0.36	< 0.4	NA	< 0.37	< 0.38	< 0.69	< 0.35
Butylbenzyl phthalate		< 0.37	NA	< 0.36	< 0.35	NA	< 0.36	< 0.36	< 0.4	NA	< 0.37	< 0.38	< 0.69	< 0.35
Chrysene	56	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Dibenzofuran	350	< 0.37	NA	< 0.36	< 0.35	NA	< 0.36	< 0.36	< 0.4	NA	< 0.37	< 0.38	< 0.69	< 0.35
Dimethyl phthalate		< 0.37	NA	< 0.36	< 0.35	NA	< 0.36	< 0.36	< 0.4	NA	< 0.37	< 0.38	< 0.69	< 0.35
Fluoranthene	500	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Fluorene	500	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Hexachlorobenzene	6	< 0.37	NA	< 0.36	< 0.35	NA	< 0.36	< 0.36	< 0.4	NA	< 0.37	< 0.38	< 0.69	< 0.35
Naphthalene	500	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Phenanthrene	500	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Phenol	500	< 0.37	NA	< 0.36	< 0.35	NA	< 0.36	< 0.36	< 0.4	NA	< 0.37	< 0.38	< 0.69	< 0.35
Pyrene	500	< 0.18	NA	< 0.18	< 0.18	NA	< 0.18	< 0.18	< 0.2	NA	< 0.18	< 0.19	< 0.35	< 0.17
Metals (mg/kg)														
Aluminum		**4700**	**5000**	**1200**	**1500**	**1400**	**1200**	**3400**	**3700**	**3300**	**5500**	**5500**	**2000**	**860**
Antimony		< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.8	< 1.8	< 1.9	< 1.7	< 1.7	< 1.8	< 1.7	< 1.6
Arsenic	16	**2.0 J**	**1.3 J**	**1.4 J**	**1.0 J**	**0.59 J**	< 3.5	**2.2 J**	< 3.8	**4.8**	< 3.5	< 3.7	< 3.4	< 3.3
Barium	400	**19**	**21**	**5.2**	**4.7**	**9.2**	**4.9**	**15**	**18**	**13**	**13**	**14**	**4.8**	**2.8**
Beryllium	590	**0.25**	**0.17 J**	**0.058 J**	**0.082 J**	**0.096 J**	**0.098 J**	**0.18**	**0.26**	**0.16 J**	**0.21**	**0.17 J**	**0.076 J**	< 0.16
Cadmium	9.3	< 0.34	< 0.35	< 0.34	< 0.34	< 0.34	< 0.35	< 0.35	< 0.38	< 0.35	< 0.35	< 0.37	< 0.34	< 0.33
Calcium		**160**	**250**	**2700**	**3600**	**170**	**30**	**580**	**370**	**450**	**130**	**160**	**66**	**56**
Chromium	1500	**7.1**	**11**	**6.3**	**7.0**	**6.3**	**2.9**	**6.9**	**6.4**	**7.2**	**6.1**	**5.9**	**3.1**	**2.2**
Cobalt		**2.8**	**2.1**	**0.90 J**	**1.0 J**	**1.1 J**	**1.6 J**	**4.2**	**2.9**	**3.9**	**1.9**	**1.2 J**	**1.2 J**	**0.75 J**
Copper	270	**8.9**	**6.2**	**4.9**	**5.1**	**3.4**	**4.0**	**11**	**6.5**	**10**	**4.6**	**3.8**	**2.5**	**1.9**
Iron		**6700**	**8000 D**	**2700**	**3400**	**4100 D**	**3500**	**11000**	**8100**	**11000 D**	**6800**	**6700**	**3100**	**2000**
Lead	1000	**3.1**	**3.1**	**2.4**	**2.3**	**1.6**	**1.8**	**2.9**	**3.7**	**2.9**	**4.8**	**5.8**	**1.6**	**1.0**
Magnesium		**1100**	**1200**	**1600**	**2200**	**410**	**310**	**1200**	**1200**	**940**	**580**	**520**	**360**	**190**
Manganese	10000	**210**	**160**	**59**	**85**	**93**	**230**	**380**	**170**	**320**	**92**	**62**	**50**	**54**
Mercury	2.8	**0.012 J**	< 0.024	< 0.024	< 0.024	< 0.025	< 0.025	< 0.027	< 0.03	< 0.024	**0.013 J**	**0.036**	< 0.025	< 0.025
Nickel	310	**5.6**	**5.8**	**2.4**	**2.9**	**2.4**	**3.4**	**8.5**	**5.5**	**7.9**	**4.0**	**3.3**	**2.3**	**1.5**
Potassium		**610**	**530**	**140 J**	**170 J**	**180**	**130 J**	**470**	**560**	**400**	**210**	**150 J**	**160 J**	**93 J**
Selenium	1500	< 3.4	< 3.5	< 3.4	< 3.4	< 3.4	< 3.5	< 3.5	< 3.8	< 3.5	< 3.5	< 3.7	< 3.4	< 3.3
Silver	1500	< 0.34	< 0.35	< 0.34	< 0.34	< 0.34	< 0.35	< 0.35	< 0.38	< 0.35	< 0.35	< 0.37	< 0.34	< 0.33
Sodium		< 170	< 180	< 170	< 170	< 170	< 180	< 180	< 190	< 170	< 170	< 180	< 170	< 160
Thallium		< 1.7	< 1.8	< 1.7	< 1.7	< 1.7	< 1.8	< 1.8	< 1.9	< 1.7	< 1.7	< 1.8	< 1.7	< 1.6
Vanadium		**9.8**	**11**	**6.3**	**6.2**	**5.0**	**4.3**	**10**	**11**	**11**	**9.3**	**10**	**4.1**	**2.7**
Zinc	10000	**13**	**12**	**6.4**	**7.2**	**6.0**	**5.1**	**19**	**18**	**16**	**11**	**12**	**4.3**	**2.7**
Polychlorinated Biphenyls (PCB) (mg/kg)														
PCB, Total	1	< 0.084	< 0.082	< 0.081	< 0.082	< 0.082	< 0.085	< 0.084	< 0.09	< 0.08	< 0.084	< 0.089	**0.62**	< 0.078
PCB-1016	1	< 0.084	< 0.082	< 0.081	< 0.082	< 0.082	< 0.085	< 0.084	< 0.09	< 0.08	< 0.084	< 0.089	< 0.078	< 0.078
PCB-1242	1	< 0.084	< 0.082	< 0.081	< 0.082	< 0.082	< 0.085	< 0.084	< 0.09	< 0.08	< 0.084	< 0.089	< 0.078	< 0.078
PCB-1248	1	< 0.084	< 0.082	< 0.081	< 0.082	< 0.082	< 0.085	< 0.084	< 0.09	< 0.08	< 0.084	< 0.089	< 0.078	< 0.078
PCB-1254	1	< 0.084	< 0.082	< 0.081	< 0.082	< 0.082	< 0.085	< 0.084	< 0.09	< 0.08	< 0.084	< 0.089	**0.54 D**	< 0.078
PCB-1260	1	< 0.084	< 0.082	< 0.081	< 0.082	< 0.082	< 0.085	< 0.084	< 0.09	< 0.08	< 0.084	< 0.089	**0.080 D**	< 0.078
PCB-1268	1	< 0.084	< 0.082	< 0.081	< 0.082	< 0.082	< 0.085	< 0.084	< 0.09	< 0.08	< 0.084	< 0.089	< 0.078	< 0.078
PFAS Compounds (µg/kg)														
Perfluorodecanoic acid (PFDA)		< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	**0.043 J**	NA	< 0.2	NA
Perfluorododecanoic acid (PFDoA)		< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	< 0.2	NA
Perfluoroheptanoic acid (PFHpA)		< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	< 0.2	NA
Perfluorohexanoic acid (PFHxA)		< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	< 0.2	NA
Perfluorononane sulfonic acid (PFNS)		< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	< 0.2	NA
Perfluorononanoic acid (PFNA)		< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	< 0.2	NA
Perfluorooctanesulfonic acid (PFOS)	440	**0.066 J**	NA	NA	NA	NA	NA	NA	NA	NA	**0.032 J**	NA	< 0.2	NA
Perfluorooctanoic acid (PFOA)	500	< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	< 0.2	NA
Perfluoropentanoic acid (PFPeA)		< 0.39	NA	NA	NA	NA	NA	NA	NA	NA	< 0.39	NA	**0.13 J**	NA
Perfluorotetradecanoic acid (PFTeDA)		< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	< 0.2	NA
Perfluorotridecanoic acid (PFTrDA)		< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	< 0.2	NA
Perfluoroundecanoic acid (PFUnA)		< 0.2	NA	NA	NA	NA	NA	NA	NA	NA	< 0.19	NA	< 0.2	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1 (shaded)	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented

mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 8
Sonic Drilling Soil Analytical Results
Lawrence Aviation Industries Site #152016
100 Sheep Pasture Road
Prot Jefferson Station, New York 11776

Location:	**Part 375 Commercial**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**
Date Collected:		**04/22/2024**	**04/22/2024**	**04/22/2024**	**04/22/2024**	**04/22/2024**	**04/22/2024**	**04/22/2024**	**04/22/2024**	**04/22/2024**	**04/22/2024**
Sample ID:		**SB-300 (11-13)**	**SB-300 (25-26)**	**SB-300 (37-38)**	**SB-300 (43-45)**	**SB-300 (56-57)**	**SB-300 (67-68)**	**SB-300 (75-76)**	**SB-300 (87-88)**	**SB-300 (95-97)**	**SB-300 (106-107)**
Laboratory Sample ID:		**24D2806-01**	**24D2806-02**	**24D2806-03**	**24D2806-04**	**24D2806-05**	**24D2806-06**	**24D2806-07**	**24D2806-08**	**24D2806-09**	**24D2806-10**
General Chemistry Parameters											
Solids, Percent		**87.5**	**88.9**	**88.3**	**88.3**	**85.1**	**83.4**	**82.9**	**87.2**	**86.6**	**87.1**
Volatile Organic Compounds (VOCs) (mg/kg)											
2-Butanone (MEK)	500	< 0.0300 U	< 0.0220 U	< 0.0240 U	< 0.0190 U	< 0.0200 U	< 0.0250 U	< 0.0270 U	< 0.0170 U	< 0.0240 U	< 0.0240 U
4-Isopropyltoluene		< 0.00150 U	< 0.00110 U	< 0.00120 U	< 0.000950 U	< 0.000990 U	< 0.00130 U	< 0.00140 U	< 0.000870 U	< 0.00120 U	**0.000500 J**
Benzene	44	< 0.00150 U	< 0.00110 U	< 0.00120 U	< 0.000950 U	< 0.000990 U	< 0.00130 U	< 0.00140 U	< 0.000870 U	< 0.00120 U	**0.000680 J**
Ethylbenzene	390	< 0.00150 U	< 0.00110 U	< 0.00120 U	< 0.000950 U	< 0.000990 U	< 0.00130 U	< 0.00140 U	< 0.000870 U	< 0.00120 U	< 0.00120 U
m,p-Xylene		< 0.00300 U	< 0.00220 U	< 0.00240 U	< 0.00190 U	< 0.00200 U	< 0.00250 U	< 0.00270 U	< 0.00170 U	< 0.00240 U	< 0.00240 U
n-Propylbenzene	500	< 0.00150 U	< 0.00110 U	< 0.00120 U	< 0.000950 U	< 0.000990 U	< 0.00130 U	< 0.00140 U	< 0.000870 U	< 0.00120 U	< 0.00120 U
o-Xylene	500	< 0.00150 U	< 0.00110 U	< 0.00120 U	< 0.000950 U	< 0.000990 U	< 0.00130 U	< 0.00140 U	< 0.000870 U	< 0.00120 U	< 0.00120 U
Styrene		< 0.00150 U	< 0.00110 U	< 0.00120 U	< 0.000950 U	< 0.000990 U	< 0.00130 U	< 0.00140 U	< 0.000870 U	< 0.00120 U	< 0.00120 U
Tetrachloroethene	150	< 0.00150 U	< 0.00110 U	< 0.00120 U	< 0.000950 U	< 0.000990 U	< 0.00130 U	< 0.00140 U	< 0.000870 U	< 0.00120 U	< 0.00120 U
Toluene	500	< 0.00150 U	< 0.00110 U	< 0.00120 U	< 0.000950 U	< 0.000990 U	< 0.00130 U	< 0.00140 U	< 0.000870 U	< 0.00120 U	**0.00200**
Total Xylenes	500	< 0.00150 U	< 0.00110 U	< 0.00120 U	< 0.000950 U	< 0.000990 U	< 0.00130 U	< 0.00140 U	< 0.000870 U	< 0.00120 U	< 0.00120 U
Trichloroethene	200	< 0.00150 U	< 0.00110 U	< 0.00120 U	< 0.000950 U	< 0.000990 U	< 0.00130 U	< 0.00140 U	< 0.000870 U	< 0.00120 U	< 0.00120 U
Vinyl chloride	13	< 0.00750 U	< 0.00550 U	< 0.00610 U	< 0.00470 U	< 0.00500 U	< 0.00630 U	< 0.00680 U	< 0.00430 U	< 0.00600 U	< 0.00590 U
1,4-Dioxane											
1,4-Dioxane	130	< 0.0550 U	NA	NA	NA	NA	NA	NA	NA	< 0.0570 U	NA
Metals (mg/kg)											
Aluminum		**3600**	NA	NA	**1600**	NA	NA	NA	NA	**2400**	NA
Arsenic	16	**1.40 J**	NA	NA	**1.30 J**	NA	NA	NA	NA	**3.00 J**	NA
Barium	400	**10.0**	NA	NA	**9.40**	NA	NA	NA	NA	**12.0**	NA
Beryllium	590	**0.160 J**	NA	NA	**0.110 J**	NA	NA	NA	NA	**0.110 J**	NA
Calcium		**8900**	NA	NA	**170**	NA	NA	NA	NA	**450**	NA
Chromium	1500	**14.0**	NA	NA	**5.70**	NA	NA	NA	NA	**5.10**	NA
Cobalt		**1.90**	NA	NA	**2.00**	NA	NA	NA	NA	**2.60**	NA
Copper	270	**6.60**	NA	NA	**6.70**	NA	NA	NA	NA	**8.30**	NA
Iron		**6700 D**	NA	NA	**5000 D**	NA	NA	NA	NA	**6900 D**	NA
Lead	1000	**8.10**	NA	NA	**1.50**	NA	NA	NA	NA	**2.00**	NA
Magnesium		**3500**	NA	NA	**490**	NA	NA	NA	NA	**840**	NA
Manganese	10000	**120**	NA	NA	**180**	NA	NA	NA	NA	**200**	NA
Mercury	2.8	< 0.0270 U	NA	NA	< 0.0270 U	NA	NA	NA	NA	< 0.0270 U	NA
Nickel	310	**4.70**	NA	NA	**3.40**	NA	NA	NA	NA	**5.20**	NA
Potassium		**300**	NA	NA	**290**	NA	NA	NA	NA	**450**	NA
Sodium		< 180 U	NA	NA	< 180 U	NA	NA	NA	NA	< 190 U	NA
Vanadium		**10.0**	NA	NA	**5.00**	NA	NA	NA	NA	**36.0**	NA
Zinc	10000	**19.0**	NA	NA	**7.90**	NA	NA	NA	NA	**16.0**	NA
Polychlorinated Biphenyls (PCB) (mg/kg)											
PCB, Total	1	< 0.0910 U	NA	NA	< 0.0870 U	NA	NA	NA	NA	< 0.0910 U	NA
PCB-1016	1	< 0.0910 U	NA	NA	< 0.0870 U	NA	NA	NA	NA	< 0.0910 U	NA
PCB-1221	1	< 0.0910 U	NA	NA	< 0.0870 U	NA	NA	NA	NA	< 0.0910 U	NA
PCB-1232	1	< 0.0910 U	NA	NA	< 0.0870 U	NA	NA	NA	NA	< 0.0910 U	NA
PCB-1242	1	< 0.0910 U	NA	NA	< 0.0870 U	NA	NA	NA	NA	< 0.0910 U	NA
PCB-1248	1	< 0.0910 U	NA	NA	< 0.0870 U	NA	NA	NA	NA	< 0.0910 U	NA
PCB-1254	1	< 0.0910 U	NA	NA	< 0.0870 U	NA	NA	NA	NA	< 0.0910 U	NA
PCB-1260	1	< 0.0910 U	NA	NA	< 0.0870 U	NA	NA	NA	NA	< 0.0910 U	NA
PCB-1262	1	< 0.0910 U	NA	NA	< 0.0870 U	NA	NA	NA	NA	< 0.0910 U	NA
PCB-1268	1	< 0.0910 U	NA	NA	< 0.0870 U	NA	NA	NA	NA	< 0.0910 U	NA
PFAS (ug/kg)											
Perfluorodecanoic acid (PFDA)		< 0.000200 U	NA	NA	NA	NA	NA	NA	NA	< 0.000190 U	NA
Perfluorononanoic acid (PFNA)		**0.0000370 J**	NA	NA	NA	NA	NA	NA	NA	< 0.000190 U	NA
Perfluorooctanesulfonic acid (PFOS)	0.44	**0.000120 J**	NA	NA	NA	NA	NA	NA	NA	**0.0000310 J**	NA
Perfluorooctanoic acid (PFOA)	0.5	< 0.000200 U	NA	NA	NA	NA	NA	NA	NA	< 0.000190 U	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
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Table 8
Sonic Drilling Soil Analytical Results
Lawrence Aviation Industries Site #152016
100 Sheep Pasture Road
Prot Jefferson Station, New York 11776

Location:	**Part 375 Commercial**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**	**SB-300**
Date Collected:		**04/22/2024**	**04/23/2024**	**04/23/2024**	**04/23/2024**	**04/23/2024**	**04/24/2024**	**04/24/2024**	**04/24/2024**	**04/24/2024**	**04/29/2024**
Sample ID:		**SB-300 (118-119)**	**SB-300 (128-129)**	**SB-300 (138-139)**	**SB-300 (143-144)**	**SB-300 (157-158)**	**SB-300 (187-189)**	**DUPLICATE-01**	**SB-300 (195-197)**	**SB-300 (204-205)**	**SB-300 (217-219)**
Laboratory Sample ID:		**24D2806-11**	**24D2806-12**	**24D2806-13**	**24D2806-14**	**24D2806-15**	**24D3499-01**	**24D3499-17**	**24D3499-02**	**24D3499-03**	**24D3499-04**
General Chemistry Parameters											
Solids, Percent		**90.5**	**83.4**	**92.5**	**90.0**	**94.1**	**90.9**	**87.4**	**85.3**	**92.0**	**87.1**
Volatile Organic Compounds (VOCs) (mg/kg)											
2-Butanone (MEK)	500	< 0.0220 U	< 0.0230 U	< 0.0350 U	< 0.0400 U	< 0.0330 U	< 0.0210 U	< 0.0460 U	< 0.0220 U	< 0.0260 U	< 0.0220 U
4-Isopropyltoluene		< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00200 U	< 0.00160 U	< 0.00100 U	< 0.00230 U	< 0.00110 U	< 0.00130 U	< 0.00110 U
Benzene	44	**0.00620**	< 0.00120 U	< 0.00180 U	< 0.00200 U	< 0.00160 U	< 0.00100 U	< 0.00230 U	< 0.00110 U	< 0.00130 U	< 0.00110 U
Ethylbenzene	390	**0.00150**	< 0.00120 U	< 0.00180 U	< 0.00200 U	< 0.00160 U	< 0.00100 U	< 0.00230 U	< 0.00110 U	< 0.00130 U	< 0.00110 U
m,p-Xylene		**0.00150 J**	< 0.00230 U	< 0.00350 U	< 0.00400 U	< 0.00330 U	< 0.00210 U	< 0.00460 U	< 0.00220 U	< 0.00260 U	< 0.00220 U
n-Propylbenzene	500	**0.000560 J**	< 0.00120 U	< 0.00180 U	< 0.00200 U	< 0.00160 U	< 0.00100 U	< 0.00230 U	< 0.00110 U	< 0.00130 U	< 0.00110 U
o-Xylene	500	**0.00140**	< 0.00120 U	< 0.00180 U	< 0.00200 U	< 0.00160 U	< 0.00100 U	< 0.00230 U	< 0.00110 U	< 0.00130 U	< 0.00110 U
Styrene		**0.00130**	< 0.00120 U	< 0.00180 U	< 0.00200 U	< 0.00160 U	< 0.00100 U	< 0.00230 U	< 0.00110 U	< 0.00130 U	< 0.00110 U
Tetrachloroethene	150	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00200 U	< 0.00160 U	< 0.00100 U	< 0.00230 U	< 0.00110 U	< 0.00130 U	< 0.00110 U
Toluene	500	**0.00600**	**0.000420 J**	< 0.00180 U	< 0.00200 U	< 0.00160 U	< 0.00100 U	< 0.00230 U	< 0.00110 U	< 0.00130 U	< 0.00110 U
Total Xylenes	500	**0.00290**	< 0.00120 U	< 0.00180 U	< 0.00200 U	< 0.00160 U	< 0.00100 U	< 0.00230 U	< 0.00110 U	< 0.00130 U	< 0.00110 U
Trichloroethene	200	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00200 U	< 0.00160 U	< 0.00100 U	< 0.00230 U	**0.00230**	< 0.00130 U	< 0.00110 U
Vinyl chloride	13	< 0.00550 U	< 0.00580 U	< 0.00890 U	< 0.0100 U	< 0.00810 U	< 0.00510 U	< 0.0110 U	< 0.00540 U	< 0.00650 U	< 0.00550 U
1,4-Dioxane											
1,4-Dioxane	130	NA	NA	NA	NA	NA	< 0.0530 U	NA	NA	NA	NA
Metals (mg/kg)											
Aluminum		NA	NA	**720**	NA	NA	**940**	NA	NA	NA	**1100**
Arsenic	16	NA	NA	< 3.50 U	NA	NA	**0.980 J**	NA	NA	NA	**0.700 J**
Barium	400	NA	NA	**4.30**	NA	NA	**7.00**	NA	NA	NA	**6.90**
Beryllium	590	NA	NA	< 0.170 U	NA	NA	**0.0740 J**	NA	NA	NA	**0.0700 J**
Calcium		NA	NA	**130**	NA	NA	**150**	NA	NA	NA	**250**
Chromium	1500	NA	NA	**3.60**	NA	NA	**6.40**	NA	NA	NA	**6.70**
Cobalt		NA	NA	**0.820 J**	NA	NA	**0.630 J**	NA	NA	NA	**0.930 J**
Copper	270	NA	NA	**3.00**	NA	NA	**1.90**	NA	NA	NA	**3.10**
Iron		NA	NA	**1900**	NA	NA	**7200 D**	NA	NA	NA	**2900**
Lead	1000	NA	NA	**1.60**	NA	NA	**1.10**	NA	NA	NA	**2.00**
Magnesium		NA	NA	**280**	NA	NA	**320**	NA	NA	NA	**350**
Manganese	10000	NA	NA	**61.0**	NA	NA	**50.0**	NA	NA	NA	**92.0**
Mercury	2.8	NA	NA	< 0.0250 U	NA	NA	< 0.0250 U	NA	NA	NA	< 0.0250 U
Nickel	310	NA	NA	**1.70**	NA	NA	**1.70**	NA	NA	NA	**3.30**
Potassium		NA	NA	**150 J**	NA	NA	**150 J**	NA	NA	NA	**220**
Sodium		NA	NA	< 170 U	NA	NA	< 180 U	NA	NA	NA	**69.0 J**
Vanadium		NA	NA	**2.80**	NA	NA	**5.80**	NA	NA	NA	**4.70**
Zinc	10000	NA	NA	**3.90**	NA	NA	**5.30**	NA	NA	NA	**5.10**
Polychlorinated Biphenyls (PCB) (mg/kg)											
PCB, Total	1	NA	NA	< 0.0840 U	NA	NA	< 0.0810 U	NA	NA	NA	< 0.0910 U
PCB-1016	1	NA	NA	< 0.0840 U	NA	NA	< 0.0810 U	NA	NA	NA	< 0.0910 U
PCB-1221	1	NA	NA	< 0.0840 U	NA	NA	< 0.0810 U	NA	NA	NA	< 0.0910 U
PCB-1232	1	NA	NA	< 0.0840 U	NA	NA	< 0.0810 U	NA	NA	NA	< 0.0910 U
PCB-1242	1	NA	NA	< 0.0840 U	NA	NA	< 0.0810 U	NA	NA	NA	< 0.0910 U
PCB-1248	1	NA	NA	< 0.0840 U	NA	NA	< 0.0810 U	NA	NA	NA	< 0.0910 U
PCB-1254	1	NA	NA	< 0.0840 U	NA	NA	< 0.0810 U	NA	NA	NA	< 0.0910 U
PCB-1260	1	NA	NA	< 0.0840 U	NA	NA	< 0.0810 U	NA	NA	NA	< 0.0910 U
PCB-1262	1	NA	NA	< 0.0840 U	NA	NA	< 0.0810 U	NA	NA	NA	< 0.0910 U
PCB-1268	1	NA	NA	< 0.0840 U	NA	NA	< 0.0810 U	NA	NA	NA	< 0.0910 U
PFAS (ug/kg)											
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	NA	**0.0000200 J**	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	NA	< 0.000200 U	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	0.44	NA	NA	NA	NA	NA	< 0.000200 U	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	0.5	NA	NA	NA	NA	NA	< 0.000200 U	NA	NA	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
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Table 8
Sonic Drilling Soil Analytical Results
Lawrence Aviation Industries Site #152016
100 Sheep Pasture Road
Prot Jefferson Station, New York 11776

Location:	**Part 375 Commercial**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**
Date Collected:		**04/26/2024**	**04/24/2024**	**04/26/2024**	**04/26/2024**	**04/24/2024**	**04/26/2024**	**04/26/2024**	**04/26/2024**	**04/26/2024**	**04/26/2024**
Sample ID:		**SB-301 (25-26)**	**SB-301 (37-39)**	**SB-301 (44-45)**	**SB-301 (55-56)**	**SB-301 (66-68)**	**SB-301 (75-76)**	**SB-301 (87-88)**	**SB-301 (94-95)**	**SB-301 (105-107)**	**SB-301 (117-118)**
Laboratory Sample ID:		**24D3499-06**	**24D3499-07**	**24D3499-08**	**24D3499-09**	**24D3499-10**	**24D3499-11**	**24D3499-12**	**24D3499-13**	**24D3499-14**	**24D3499-15**
General Chemistry Parameters											
Solids, Percent		**94.5**	**87.3**	**91.1**	**94.0**	**89.6**	**87.6**	**94.2**	**93.5**	**88.2**	**92.3**
Volatile Organic Compounds (VOCs) (mg/kg)											
2-Butanone (MEK)	500	< 0.0250 U	< 0.0230 U	< 0.0290 U	< 0.0230 U	< 0.0200 U	< 0.0260 U	< 0.0280 U	< 0.0190 U	< 0.0310 U	< 0.0260 U
4-Isopropyltoluene		< 0.00120 U	< 0.00120 U	< 0.00140 U	< 0.00110 U	< 0.000980 U	< 0.00130 U	< 0.00140 U	< 0.000970 U	< 0.00160 U	< 0.00130 U
Benzene	44	< 0.00120 U	< 0.00120 U	< 0.00140 U	< 0.00110 U	< 0.000980 U	< 0.00130 U	< 0.00140 U	< 0.000970 U	< 0.00160 U	< 0.00130 U
Ethylbenzene	390	< 0.00120 U	< 0.00120 U	< 0.00140 U	< 0.00110 U	< 0.000980 U	< 0.00130 U	< 0.00140 U	< 0.000970 U	< 0.00160 U	< 0.00130 U
m,p-Xylene		< 0.00250 U	< 0.00230 U	< 0.00290 U	< 0.00230 U	< 0.00200 U	< 0.00260 U	< 0.00280 U	< 0.00190 U	< 0.00310 U	< 0.00260 U
n-Propylbenzene	500	< 0.00120 U	< 0.00120 U	< 0.00140 U	< 0.00110 U	< 0.000980 U	< 0.00130 U	< 0.00140 U	< 0.000970 U	< 0.00160 U	< 0.00130 U
o-Xylene	500	< 0.00120 U	< 0.00120 U	< 0.00140 U	< 0.00110 U	< 0.000980 U	< 0.00130 U	< 0.00140 U	< 0.000970 U	< 0.00160 U	< 0.00130 U
Styrene		< 0.00120 U	< 0.00120 U	< 0.00140 U	< 0.00110 U	< 0.000980 U	< 0.00130 U	< 0.00140 U	< 0.000970 U	< 0.00160 U	< 0.00130 U
Tetrachloroethene	150	< 0.00120 U	< 0.00120 U	< 0.00140 U	< 0.00110 U	< 0.000980 U	< 0.00130 U	< 0.00140 U	< 0.000970 U	< 0.00160 U	< 0.00130 U
Toluene	500	< 0.00120 U	< 0.00120 U	< 0.00140 U	< 0.00110 U	< 0.000980 U	< 0.00130 U	< 0.00140 U	< 0.000970 U	< 0.00160 U	< 0.00130 U
Total Xylenes	500	< 0.00120 U	< 0.00120 U	< 0.00140 U	< 0.00110 U	< 0.000980 U	< 0.00130 U	< 0.00140 U	< 0.000970 U	< 0.00160 U	< 0.00130 U
Trichloroethene	200	< 0.00120 U	< 0.00120 U	< 0.00140 U	< 0.00110 U	< 0.000980 U	< 0.00130 U	< 0.00140 U	< 0.000970 U	< 0.00160 U	< 0.00130 U
Vinyl chloride	13	< 0.00610 U	< 0.00590 U	< 0.00720 U	< 0.00570 U	< 0.00490 U	< 0.00640 U	< 0.00710 U	< 0.00480 U	< 0.00780 U	< 0.00660 U
1,4-Dioxane											
1,4-Dioxane	130	NA	< 0.0560 U	NA	NA	NA	NA	NA	NA	< 0.0560 U	NA
Metals (mg/kg)											
Aluminum		NA	**2900**	NA	NA	**1800**	NA	NA	NA	**3500**	NA
Arsenic	16	NA	**1.70 J**	NA	NA	**1.40 J**	NA	NA	NA	**4.50**	NA
Barium	400	NA	**16.0**	NA	NA	**12.0**	NA	NA	NA	**14.0**	NA
Beryllium	590	NA	**0.160 J**	NA	NA	**0.0880 J**	NA	NA	NA	**0.180**	NA
Calcium		NA	**150**	NA	NA	**230**	NA	NA	NA	**820**	NA
Chromium	1500	NA	**5.00**	NA	NA	**7.90**	NA	NA	NA	**7.80**	NA
Cobalt		NA	**1.50 J**	NA	NA	**1.30 J**	NA	NA	NA	**4.70**	NA
Copper	270	NA	**4.40**	NA	NA	**5.20**	NA	NA	NA	**11.0**	NA
Iron		NA	**5300 D**	NA	NA	**4200 D**	NA	NA	NA	**12000 D**	NA
Lead	1000	NA	**2.00**	NA	NA	**1.60**	NA	NA	NA	**3.00**	NA
Magnesium		NA	**630**	NA	NA	**480**	NA	NA	NA	**1400**	NA
Manganese	10000	NA	**150**	NA	NA	**120**	NA	NA	NA	**350**	NA
Mercury	2.8	NA	< 0.0280 U	NA	NA	< 0.0250 U	NA	NA	NA	< 0.0270 U	NA
Nickel	310	NA	**3.10**	NA	NA	**3.10**	NA	NA	NA	**9.30**	NA
Potassium		NA	**390**	NA	NA	**300**	NA	NA	NA	**620**	NA
Sodium		NA	< 180 U	NA	NA	**59.0 J**	NA	NA	NA	**76.0 J**	NA
Vanadium		NA	**7.00**	NA	NA	**5.50**	NA	NA	NA	**10.0**	NA
Zinc	10000	NA	**8.20**	NA	NA	**5.70**	NA	NA	NA	**19.0**	NA
Polychlorinated Biphenyls (PCB) (mg/kg)											
PCB, Total	1	NA	< 0.0840 U	NA	NA	< 0.0840 U	NA	NA	NA	< 0.0900 U	NA
PCB-1016	1	NA	< 0.0840 U	NA	NA	< 0.0840 U	NA	NA	NA	< 0.0900 U	NA
PCB-1221	1	NA	< 0.0840 U	NA	NA	< 0.0840 U	NA	NA	NA	< 0.0900 U	NA
PCB-1232	1	NA	< 0.0840 U	NA	NA	< 0.0840 U	NA	NA	NA	< 0.0900 U	NA
PCB-1242	1	NA	< 0.0840 U	NA	NA	< 0.0840 U	NA	NA	NA	< 0.0900 U	NA
PCB-1248	1	NA	< 0.0840 U	NA	NA	< 0.0840 U	NA	NA	NA	< 0.0900 U	NA
PCB-1254	1	NA	< 0.0840 U	NA	NA	< 0.0840 U	NA	NA	NA	< 0.0900 U	NA
PCB-1260	1	NA	< 0.0840 U	NA	NA	< 0.0840 U	NA	NA	NA	< 0.0900 U	NA
PCB-1262	1	NA	< 0.0840 U	NA	NA	< 0.0840 U	NA	NA	NA	< 0.0900 U	NA
PCB-1268	1	NA	< 0.0840 U	NA	NA	< 0.0840 U	NA	NA	NA	< 0.0900 U	NA
PFAS (ug/kg)											
Perfluorodecanoic acid (PFDA)		NA	< 0.000200 U	NA	NA	NA	< 0.000190 U	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	< 0.000200 U	NA	NA	NA	< 0.000190 U	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	0.44	NA	< 0.000200 U	NA	NA	NA	< 0.000190 U	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	0.5	NA	< 0.000200 U	NA	NA	NA	< 0.000190 U	NA	NA	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 8
Sonic Drilling Soil Analytical Results
Lawrence Aviation Industries Site #152016
100 Sheep Pasture Road
Prot Jefferson Station, New York 11776

Location:	**Part 375 Commercial**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**	**SB-301**
Date Collected:		**04/29/2024**	**04/29/2024**	**04/29/2024**	**04/29/2024**	**04/29/2024**	**04/29/2024**	**04/26/2024**	**04/29/2024**	**04/29/2024**	**05/08/2024**
Sample ID:		**SB-301 (122-123)**	**SB-301 (136-137)**	**SB-301 (141-142)**	**Duplicate-02**	**SB-301 (154-156)**	**SB-301 (161-162)**	**SB-301 (17-18)**	**SB-301 (172-174)**	**SB-301 (195-196)**	**SB-301 (205-206)**
Laboratory Sample ID:		**24E0040-01**	**24E0040-02**	**24E0040-03**	**24E0040-07**	**24E0040-04**	**24E0040-05**	**24D3499-05**	**24E0040-06**	**24E0040-09**	**24E1455-02**
General Chemistry Parameters											
Solids, Percent		**82.4**	**92.3**	**83.4**	**90.0**	**83.1**	**89.0**	**95.8**	**93.4**	**89.5**	**81.5**
Volatile Organic Compounds (VOCs) (mg/kg)											
2-Butanone (MEK)	500	< 0.0250 U	< 0.0230 U	< 0.0290 U	< 0.0260 U	< 0.0220 U	< 0.0280 U	< 0.0230 U	< 0.0250 U	< 0.0220 U	< 0.0180 U
4-Isopropyltoluene		< 0.00130 U	< 0.00120 U	< 0.00150 U	< 0.00130 U	< 0.00110 U	< 0.00140 U	< 0.00120 U	< 0.00130 U	< 0.00110 U	< 0.000890 U
Benzene	44	< 0.00130 U	< 0.00120 U	< 0.00150 U	< 0.00130 U	< 0.00110 U	< 0.00140 U	< 0.00120 U	< 0.00130 U	< 0.00110 U	< 0.000890 U
Ethylbenzene	390	< 0.00130 U	< 0.00120 U	< 0.00150 U	< 0.00130 U	< 0.00110 U	< 0.00140 U	< 0.00120 U	< 0.00130 U	< 0.00110 U	< 0.000890 U
m,p-Xylene		< 0.00250 U	< 0.00230 U	< 0.00290 U	< 0.00260 U	< 0.00220 U	< 0.00280 U	< 0.00230 U	< 0.00250 U	< 0.00220 U	< 0.00180 U
n-Propylbenzene	500	< 0.00130 U	< 0.00120 U	< 0.00150 U	< 0.00130 U	< 0.00110 U	< 0.00140 U	< 0.00120 U	< 0.00130 U	< 0.00110 U	< 0.000890 U
o-Xylene	500	< 0.00130 U	< 0.00120 U	< 0.00150 U	< 0.00130 U	< 0.00110 U	< 0.00140 U	< 0.00120 U	< 0.00130 U	< 0.00110 U	< 0.000890 U
Styrene		< 0.00130 U	< 0.00120 U	< 0.00150 U	< 0.00130 U	< 0.00110 U	< 0.00140 U	< 0.00120 U	< 0.00130 U	< 0.00110 U	< 0.000890 U
Tetrachloroethene	150	< 0.00130 U	< 0.00120 U	< 0.00150 U	< 0.00130 U	< 0.00110 U	< 0.00140 U	< 0.00120 U	< 0.00130 U	< 0.00110 U	< 0.000890 U
Toluene	500	< 0.00130 U	< 0.00120 U	< 0.00150 U	< 0.00130 U	< 0.00110 U	< 0.00140 U	< 0.00120 U	< 0.00130 U	< 0.00110 U	< 0.000890 U
Total Xylenes	500	< 0.00130 U	< 0.00120 U	< 0.00150 U	< 0.00130 U	< 0.00110 U	< 0.00140 U	< 0.00120 U	< 0.00130 U	< 0.00110 U	< 0.000890 U
Trichloroethene	200	< 0.00130 U	< 0.00120 U	< 0.00150 U	< 0.00130 U	< 0.00110 U	< 0.00140 U	< 0.00120 U	< 0.00130 U	< 0.00110 U	**0.000850 J**
Vinyl chloride	13	< 0.00630 U	< 0.00580 U	< 0.00740 U	< 0.00660 U	< 0.00550 U	< 0.00700 U	< 0.00580 U	< 0.00630 U	< 0.00550 U	< 0.00450 U
1,4-Dioxane											
1,4-Dioxane	130	NA	NA	NA	NA	< 0.0580 U	NA	NA	NA	NA	NA
Metals (mg/kg)											
Aluminum		NA	NA	NA	NA	**500**	NA	NA	**760**	NA	**930**
Arsenic	16	NA	NA	NA	NA	< 3.80 U	NA	NA	< 3.50 U	NA	< 3.90 U
Barium	400	NA	NA	NA	NA	**4.60**	NA	NA	**8.60**	NA	**4.40**
Beryllium	590	NA	NA	NA	NA	< 0.190 U	NA	NA	< 0.180 U	NA	< 0.200 U
Calcium		NA	NA	NA	NA	**150**	NA	NA	**200**	NA	**210**
Chromium	1500	NA	NA	NA	NA	**4.30**	NA	NA	**2.20**	NA	**2.40**
Cobalt		NA	NA	NA	NA	**0.470 J**	NA	NA	**0.460 J**	NA	**0.800 J**
Copper	270	NA	NA	NA	NA	**2.50**	NA	NA	**1.90**	NA	**2.60**
Iron		NA	NA	NA	NA	**2200**	NA	NA	**1700**	NA	**2200**
Lead	1000	NA	NA	NA	NA	**1.80**	NA	NA	**0.800**	NA	**2.10**
Magnesium		NA	NA	NA	NA	**190**	NA	NA	**240**	NA	**320**
Manganese	10000	NA	NA	NA	NA	**40.0**	NA	NA	**36.0**	NA	**78.0**
Mercury	2.8	NA	NA	NA	NA	< 0.0290 U	NA	NA	< 0.0260 U	NA	< 0.0280 U
Nickel	310	NA	NA	NA	NA	**0.990**	NA	NA	**1.10**	NA	**2.40**
Potassium		NA	NA	NA	NA	**72.0 J**	NA	NA	**140 J**	NA	**170 J**
Sodium		NA	NA	NA	NA	< 190 U	NA	NA	< 180 U	NA	< 200 U
Vanadium		NA	NA	NA	NA	**5.80**	NA	NA	**2.10**	NA	**4.30**
Zinc	10000	NA	NA	NA	NA	**3.70**	NA	NA	**2.70**	NA	**4.70**
Polychlorinated Biphenyls (PCB) (mg/kg)											
PCB, Total	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0910 U
PCB-1016	1	NA	NA	NA	NA	< 0.0920 U	NA	NA	< 0.0840 U	NA	< 0.0910 U
PCB-1221	1	NA	NA	NA	NA	< 0.0920 U	NA	NA	< 0.0840 U	NA	< 0.0910 U
PCB-1232	1	NA	NA	NA	NA	< 0.0920 U	NA	NA	< 0.0840 U	NA	< 0.0910 U
PCB-1242	1	NA	NA	NA	NA	< 0.0920 U	NA	NA	< 0.0840 U	NA	< 0.0910 U
PCB-1248	1	NA	NA	NA	NA	< 0.0920 U	NA	NA	< 0.0840 U	NA	< 0.0910 U
PCB-1254	1	NA	NA	NA	NA	< 0.0920 U	NA	NA	< 0.0840 U	NA	< 0.0910 U
PCB-1260	1	NA	NA	NA	NA	< 0.0920 U	NA	NA	< 0.0840 U	NA	< 0.0910 U
PCB-1262	1	NA	NA	NA	NA	< 0.0920 U	NA	NA	< 0.0840 U	NA	< 0.0910 U
PCB-1268	1	NA	NA	NA	NA	< 0.0920 U	NA	NA	< 0.0840 U	NA	< 0.0910 U
PFAS (ug/kg)											
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	< 0.000200 U	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	< 0.000200 U	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	0.44	NA	NA	NA	NA	< 0.000200 U	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	0.5	NA	NA	NA	NA	< 0.000200 U	NA	NA	NA	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
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NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 8
Sonic Drilling Soil Analytical Results
Lawrence Aviation Industries Site #152016
100 Sheep Pasture Road
Prot Jefferson Station, New York 11776

Location:	**Part 375 Commercial**	**SB-301**	**SB-301**	**SB-301**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-302**
Date Collected:		**05/08/2024**	**05/08/2024**	**05/08/2024**	**05/09/2024**	**05/09/2024**	**05/09/2024**	**05/09/2024**	**05/09/2024**	**05/09/2024**	**05/09/2024**
Sample ID:		**DUP-03**	**SB-301 (211-212)**	**SB-301 (221-222)**	**SB-302 (25-26)**	**SB-302 (36-37)**	**SB-302 (49-50)**	**SB-302 (55-56)**	**SB-302 (64-66)**	**SB-302 (73-74)**	**SB-302 (87-88)**
Laboratory Sample ID:		**24E1455-07**	**24E1455-03**	**24E1455-05**	**24E1455-11**	**24E1455-12**	**24E1455-13**	**24E1455-14**	**24E1455-15**	**24E1455-16**	**24E1455-17**
General Chemistry Parameters											
Solids, Percent		**76.8**	**90.1**	**85.7**	**94.9**	**92.2**	**89.1**	**93.0**	**93.4**	**82.1**	**98.1**
Volatile Organic Compounds (VOCs) (mg/kg)											
2-Butanone (MEK)	500	< 0.0270 U	< 0.0230 U	< 0.0410 U	< 0.0340 U	< 0.0310 U	< 0.0210 U	< 0.0180 U	< 0.0280 U	< 0.0440 U	< 0.0410 U
4-Isopropyltoluene		< 0.00140 U	< 0.00120 U	< 0.00200 U	< 0.00170 U	< 0.00160 U	< 0.00100 U	< 0.000910 U	< 0.00140 U	< 0.00220 U	< 0.00210 U
Benzene	44	< 0.00140 U	< 0.00120 U	< 0.00200 U	< 0.00170 U	< 0.00160 U	< 0.00100 U	< 0.000910 U	< 0.00140 U	< 0.00220 U	< 0.00210 U
Ethylbenzene	390	< 0.00140 U	< 0.00120 U	< 0.00200 U	< 0.00170 U	< 0.00160 U	< 0.00100 U	< 0.000910 U	< 0.00140 U	< 0.00220 U	< 0.00210 U
m,p-Xylene		< 0.00270 U	< 0.00230 U	< 0.00410 U	< 0.00340 U	< 0.00310 U	< 0.00210 U	< 0.00180 U	< 0.00280 U	< 0.00440 U	< 0.00410 U
n-Propylbenzene	500	< 0.00140 U	< 0.00120 U	< 0.00200 U	< 0.00170 U	< 0.00160 U	< 0.00100 U	< 0.000910 U	< 0.00140 U	< 0.00220 U	< 0.00210 U
o-Xylene	500	< 0.00140 U	< 0.00120 U	< 0.00200 U	< 0.00170 U	< 0.00160 U	< 0.00100 U	< 0.000910 U	< 0.00140 U	< 0.00220 U	< 0.00210 U
Styrene		< 0.00140 U	< 0.00120 U	< 0.00200 U	< 0.00170 U	< 0.00160 U	< 0.00100 U	< 0.000910 U	< 0.00140 U	< 0.00220 U	< 0.00210 U
Tetrachloroethene	150	< 0.00140 U	< 0.00120 U	< 0.00200 U	< 0.00170 U	< 0.00160 U	< 0.00100 U	< 0.000910 U	< 0.00140 U	< 0.00220 U	< 0.00210 U
Toluene	500	< 0.00140 U	< 0.00120 U	< 0.00200 U	< 0.00170 U	< 0.00160 U	< 0.00100 U	< 0.000910 U	< 0.00140 U	< 0.00220 U	< 0.00210 U
Total Xylenes	500	< 0.00140 U	< 0.00120 U	< 0.00200 U	< 0.00170 U	< 0.00160 U	< 0.00100 U	< 0.000910 U	< 0.00140 U	< 0.00220 U	< 0.00210 U
Trichloroethene	200	**0.00170**	< 0.00120 U	< 0.00200 U	< 0.00170 U	< 0.00160 U	< 0.00100 U	< 0.000910 U	< 0.00140 U	< 0.00220 U	< 0.00210 U
Vinyl chloride	13	< 0.00680 U	< 0.00590 U	< 0.0100 U	< 0.00850 U	< 0.00780 U	< 0.00510 U	< 0.00450 U	< 0.00690 U	< 0.0110 U	< 0.0100 U
1,4-Dioxane											
1,4-Dioxane	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (mg/kg)											
Aluminum		**1000**	NA	NA	NA	NA	NA	NA	NA	**230**	NA
Arsenic	16	**0.720 J**	NA	NA	NA	NA	NA	NA	NA	< 3.90 U	NA
Barium	400	**4.50**	NA	NA	NA	NA	NA	NA	NA	**1.40 J**	NA
Beryllium	590	< 0.210 U	NA	NA	NA	NA	NA	NA	NA	< 0.190 U	NA
Calcium		**280**	NA	NA	NA	NA	NA	NA	NA	**37.0**	NA
Chromium	1500	**3.30**	NA	NA	NA	NA	NA	NA	NA	**1.50**	NA
Cobalt		**0.890 J**	NA	NA	NA	NA	NA	NA	NA	< 1.90 U	NA
Copper	270	**3.20**	NA	NA	NA	NA	NA	NA	NA	< 1.50 U	NA
Iron		**2600**	NA	NA	NA	NA	NA	NA	NA	**690**	NA
Lead	1000	**2.20**	NA	NA	NA	NA	NA	NA	NA	< 0.580 U	NA
Magnesium		**350**	NA	NA	NA	NA	NA	NA	NA	**69.0**	NA
Manganese	10000	**82.0**	NA	NA	NA	NA	NA	NA	NA	**10.0**	NA
Mercury	2.8	< 0.0320 U	NA	NA	NA	NA	NA	NA	NA	< 0.0290 U	NA
Nickel	310	**2.80**	NA	NA	NA	NA	NA	NA	NA	< 0.770 U	NA
Potassium		**190 J**	NA	NA	NA	NA	NA	NA	NA	< 190 U	NA
Sodium		< 210 U	NA	NA	NA	NA	NA	NA	NA	< 190 U	NA
Vanadium		**5.10**	NA	NA	NA	NA	NA	NA	NA	**1.60**	NA
Zinc	10000	**5.30**	NA	NA	NA	NA	NA	NA	NA	**0.820**	NA
Polychlorinated Biphenyls (PCB) (mg/kg)											
PCB, Total	1	< 0.100 U	NA	NA	NA	NA	NA	NA	NA	< 0.0900 U	NA
PCB-1016	1	< 0.100 U	NA	NA	NA	NA	NA	NA	NA	< 0.0900 U	NA
PCB-1221	1	< 0.100 U	NA	NA	NA	NA	NA	NA	NA	< 0.0900 U	NA
PCB-1232	1	< 0.100 U	NA	NA	NA	NA	NA	NA	NA	< 0.0900 U	NA
PCB-1242	1	< 0.100 U	NA	NA	NA	NA	NA	NA	NA	< 0.0900 U	NA
PCB-1248	1	< 0.100 U	NA	NA	NA	NA	NA	NA	NA	< 0.0900 U	NA
PCB-1254	1	< 0.100 U	NA	NA	NA	NA	NA	NA	NA	< 0.0900 U	NA
PCB-1260	1	< 0.100 U	NA	NA	NA	NA	NA	NA	NA	< 0.0900 U	NA
PCB-1262	1	< 0.100 U	NA	NA	NA	NA	NA	NA	NA	< 0.0900 U	NA
PCB-1268	1	< 0.100 U	NA	NA	NA	NA	NA	NA	NA	< 0.0900 U	NA
PFAS (ug/kg)											
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

Table 8
Sonic Drilling Soil Analytical Results
Lawrence Aviation Industries Site #152016
100 Sheep Pasture Road
Prot Jefferson Station, New York 11776

Location:	**Part 375 Commercial**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-302**
Date Collected:		**05/09/2024**	**05/09/2024**	**05/09/2024**	**05/09/2024**	**05/09/2024**	**05/09/2024**	**05/09/2024**	**09/30/2024**	**10/01/2024**	**10/01/2024**
Sample ID:		**SB-302 (95-96)**	**SB-302 (108-109)**	**SB-302 (117-118)**	**SB-302 (125-126)**	**SB-302 (134-135)**	**SB-302 (14-15)**	**SB-302 (145-146)**	**SB-302 (159-160)**	**SB-302 (164-165)**	**DUP-05**
Laboratory Sample ID:		**24E1455-18**	**24E1455-19**	**24E1455-20**	**24E1455-21**	**24E1455-22**	**24E1455-10**	**24E1455-23**	**24J0646-01**	**24J0646-02**	**24J0646-08**
General Chemistry Parameters											
Solids, Percent		**91.6**	**91.1**	**92.9**	**97.3**	**91.1**	**81.7**	**87.9**	**81.7**	**96.8**	**97.8**
Volatile Organic Compounds (VOCs) (mg/kg)											
2-Butanone (MEK)	500	< 0.0150 U	< 0.0180 U	< 0.0180 U	**0.00380 J**	< 0.0170 U	< 0.0350 U	< 0.0190 U	< 0.0210 U	< 0.0160 U	< 0.0170 U
4-Isopropyltoluene		< 0.000770 U	< 0.000900 U	< 0.000890 U	< 0.000820 U	< 0.000850 U	< 0.00180 U	< 0.000940 U	< 0.00100 U	< 0.000790 U	< 0.000850 U
Benzene	44	< 0.000770 U	< 0.000900 U	< 0.000890 U	< 0.000820 U	< 0.000850 U	< 0.00180 U	< 0.000940 U	< 0.00100 U	< 0.000790 U	< 0.000850 U
Ethylbenzene	390	< 0.000770 U	< 0.000900 U	< 0.000890 U	< 0.000820 U	< 0.000850 U	< 0.00180 U	< 0.000940 U	< 0.00100 U	< 0.000790 U	< 0.000850 U
m,p-Xylene		< 0.00150 U	< 0.00180 U	< 0.00180 U	< 0.00160 U	< 0.00170 U	< 0.00350 U	< 0.00190 U	< 0.00210 U	< 0.00160 U	< 0.00170 U
n-Propylbenzene	500	< 0.000770 U	< 0.000900 U	< 0.000890 U	< 0.000820 U	< 0.000850 U	< 0.00180 U	< 0.000940 U	< 0.00100 U	< 0.000790 U	< 0.000850 U
o-Xylene	500	< 0.000770 U	< 0.000900 U	< 0.000890 U	< 0.000820 U	< 0.000850 U	< 0.00180 U	< 0.000940 U	< 0.00100 U	< 0.000790 U	< 0.000850 U
Styrene		< 0.000770 U	< 0.000900 U	< 0.000890 U	< 0.000820 U	< 0.000850 U	< 0.00180 U	< 0.000940 U	< 0.00100 U	< 0.000790 U	< 0.000850 U
Tetrachloroethene	150	< 0.000770 U	< 0.000900 U	< 0.000890 U	< 0.000820 U	< 0.000850 U	< 0.00180 U	< 0.000940 U	< 0.00100 U	< 0.000790 U	< 0.000850 U
Toluene	500	< 0.000770 U	< 0.000900 U	< 0.000890 U	< 0.000820 U	< 0.000850 U	< 0.00180 U	< 0.000940 U	< 0.00100 U	< 0.000790 U	< 0.000850 U
Total Xylenes	500	< 0.000770 U	< 0.000900 U	< 0.000890 U	< 0.000820 U	< 0.000850 U	< 0.00180 U	< 0.000940 U	< 0.00100 U	< 0.000790 U	< 0.000850 U
Trichloroethene	200	< 0.000770 U	< 0.000900 U	< 0.000890 U	< 0.000820 U	< 0.000850 U	< 0.00180 U	< 0.000940 U	< 0.00100 U	< 0.000790 U	< 0.000850 U
Vinyl chloride	13	< 0.00380 U	< 0.00450 U	< 0.00440 U	< 0.00410 U	< 0.00420 U	< 0.00880 U	< 0.00470 U	< 0.00520 U	< 0.00390 U	< 0.00420 U
1,4-Dioxane											
1,4-Dioxane	130	NA	NA	< 0.0520 U	NA	NA	< 0.0610 U	NA	NA	NA	NA
Metals (mg/kg)											
Aluminum		NA	**6100 D**	NA	NA	NA	**2700**	**640**	NA	NA	NA
Arsenic	16	NA	**3.90**	NA	NA	NA	**1.00 J**	< 3.70 U	NA	NA	NA
Barium	400	NA	**24.0**	NA	NA	NA	**13.0**	**3.10**	NA	NA	NA
Beryllium	590	NA	**0.320**	NA	NA	NA	**0.130 J**	< 0.180 U	NA	NA	NA
Calcium		NA	**840**	NA	NA	NA	**200**	**130**	NA	NA	NA
Chromium	1500	NA	**19.0**	NA	NA	NA	**4.60**	**2.60**	NA	NA	NA
Cobalt		NA	**5.10**	NA	NA	NA	**1.50 J**	**0.550 J**	NA	NA	NA
Copper	270	NA	**15.0**	NA	NA	NA	**4.20**	**2.00**	NA	NA	NA
Iron		NA	**12000**	NA	NA	NA	**3700**	**1500**	NA	NA	NA
Lead	1000	NA	**4.30**	NA	NA	NA	**2.00**	**0.990**	NA	NA	NA
Magnesium		NA	**1800**	NA	NA	NA	**570**	**200**	NA	NA	NA
Manganese	10000	NA	**300**	NA	NA	NA	**97.0**	**40.0**	NA	NA	NA
Mercury	2.8	NA	< 0.0270 U	NA	NA	NA	< 0.0280 U	< 0.0270 U	NA	NA	NA
Nickel	310	NA	**9.00**	NA	NA	NA	**3.20**	**1.00**	NA	NA	NA
Potassium		NA	**1200**	NA	NA	NA	**390**	**170 J**	NA	NA	NA
Sodium		NA	**140 J**	NA	NA	NA	< 190 U	< 180 U	NA	NA	NA
Vanadium		NA	**24.0**	NA	NA	NA	**5.50**	**4.80**	NA	NA	NA
Zinc	10000	NA	**20.0**	NA	NA	NA	**6.80**	**2.50**	NA	NA	NA
Polychlorinated Biphenyls (PCB) (mg/kg)											
PCB, Total	1	NA	< 0.0850 U	NA	NA	NA	< 0.0960 U	< 0.0850 U	NA	NA	NA
PCB-1016	1	NA	< 0.0850 U	NA	NA	NA	< 0.0960 U	< 0.0850 U	NA	NA	NA
PCB-1221	1	NA	< 0.0850 U	NA	NA	NA	< 0.0960 U	< 0.0850 U	NA	NA	NA
PCB-1232	1	NA	< 0.0850 U	NA	NA	NA	< 0.0960 U	< 0.0850 U	NA	NA	NA
PCB-1242	1	NA	< 0.0850 U	NA	NA	NA	< 0.0960 U	< 0.0850 U	NA	NA	NA
PCB-1248	1	NA	< 0.0850 U	NA	NA	NA	< 0.0960 U	< 0.0850 U	NA	NA	NA
PCB-1254	1	NA	< 0.0850 U	NA	NA	NA	< 0.0960 U	< 0.0850 U	NA	NA	NA
PCB-1260	1	NA	< 0.0850 U	NA	NA	NA	< 0.0960 U	< 0.0850 U	NA	NA	NA
PCB-1262	1	NA	< 0.0850 U	NA	NA	NA	< 0.0960 U	< 0.0850 U	NA	NA	NA
PCB-1268	1	NA	< 0.0850 U	NA	NA	NA	< 0.0960 U	< 0.0850 U	NA	NA	NA
PFAS (ug/kg)											
Perfluorodecanoic acid (PFDA)		NA	NA	< 0.000200 U	NA	NA	< 0.000200 U	NA	NA	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	< 0.000200 U	NA	NA	< 0.000200 U	NA	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	0.44	NA	NA	< 0.000200 U	NA	NA	**0.000160 J**	NA	NA	NA	NA
Perfluorooctanoic acid (PFOA)	0.5	NA	NA	< 0.000200 U	NA	NA	< 0.000200 U	NA	NA	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
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Table 8
Sonic Drilling Soil Analytical Results
Lawrence Aviation Industries Site #152016
100 Sheep Pasture Road
Prot Jefferson Station, New York 11776

Location:	**Part 375 Commercial**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-302**	**SB-303**	**SB-303**	**SB-303**	**SB-303**	**SB-303**
Date Collected:		**10/01/2024**	**10/01/2024**	**10/01/2024**	**10/01/2024**	**10/01/2024**	**06/12/2024**	**06/13/2024**	**06/13/2024**	**06/13/2024**	**06/13/2024**
Sample ID:		**SB-302 (172-173)**	**SB-302 (185-186)**	**SB-302 (197-198)**	**SB-302 (204-205)**	**SB-302 (215-216)**	**SB-303 (16-18)**	**SB-303 (25-26)**	**SB-303 (36-37)**	**SB-303 (44-45)**	**SB-303 (55-56)**
Laboratory Sample ID:		**24J0646-03**	**24J0646-04**	**24J0646-05**	**24J0646-06**	**24J0646-07**	**24F2490-01**	**24F2490-02**	**24F2490-03**	**24F2490-04**	**24F2490-05**
General Chemistry Parameters											
Solids, Percent		**88.0**	**91.1**	**84.1**	**83.6**	**83.6**	**93.0**	**91.1**	**82.4**	**96.4**	**96.9**
Volatile Organic Compounds (VOCs) (mg/kg)											
2-Butanone (MEK)	500	< 0.0200 U	< 0.0210 U	< 0.0250 U	< 0.0360 U	< 0.0280 U	< 0.0260 U	< 0.0200 U	< 0.0190 U	< 0.0210 U	< 0.0190 U
4-Isopropyltoluene		< 0.000980 U	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00140 U	< 0.00130 U	< 0.000990 U	< 0.000950 U	< 0.00100 U	< 0.000970 U
Benzene	44	< 0.000980 U	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00140 U	< 0.00130 U	< 0.000990 U	< 0.000950 U	< 0.00100 U	< 0.000970 U
Ethylbenzene	390	< 0.000980 U	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00140 U	< 0.00130 U	< 0.000990 U	< 0.000950 U	< 0.00100 U	< 0.000970 U
m,p-Xylene		< 0.00200 U	< 0.00210 U	< 0.00250 U	< 0.00360 U	< 0.00280 U	< 0.00260 U	< 0.00200 U	< 0.00190 U	< 0.00210 U	< 0.00190 U
n-Propylbenzene	500	< 0.000980 U	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00140 U	< 0.00130 U	< 0.000990 U	< 0.000950 U	< 0.00100 U	< 0.000970 U
o-Xylene	500	< 0.000980 U	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00140 U	< 0.00130 U	< 0.000990 U	< 0.000950 U	< 0.00100 U	< 0.000970 U
Styrene		< 0.000980 U	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00140 U	< 0.00130 U	< 0.000990 U	< 0.000950 U	< 0.00100 U	< 0.000970 U
Tetrachloroethene	150	< 0.000980 U	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00140 U	< 0.00130 U	< 0.000990 U	< 0.000950 U	< 0.00100 U	< 0.000970 U
Toluene	500	< 0.000980 U	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00140 U	< 0.00130 U	< 0.000990 U	< 0.000950 U	**0.00130**	< 0.000970 U
Total Xylenes	500	< 0.000980 U	< 0.00110 U	< 0.00120 U	< 0.00180 U	< 0.00140 U	< 0.00130 U	< 0.000990 U	< 0.000950 U	< 0.00100 U	< 0.000970 U
Trichloroethene	200	< 0.000980 U	< 0.00110 U	**0.00400**	< 0.00180 U	< 0.00140 U	< 0.00130 U	< 0.000990 U	< 0.000950 U	< 0.00100 U	< 0.000970 U
Vinyl chloride	13	< 0.00490 U	< 0.00530 U	< 0.00620 U	< 0.00890 U	< 0.00690 U	< 0.00650 U	< 0.00490 U	< 0.00480 U	< 0.00520 U	< 0.00490 U
1,4-Dioxane											
1,4-Dioxane	130	NA	NA	NA	< 0.0580 U	NA	NA	NA	< 0.0590 U	NA	NA
Metals (mg/kg)											
Aluminum		**960**	NA	NA	NA	**1100**	**4200 D**	NA	NA	NA	NA
Arsenic	16	**0.730 J**	NA	NA	NA	**0.760 J**	**0.830 J**	NA	NA	NA	NA
Barium	400	**6.10**	NA	NA	NA	**8.80**	**22.0**	NA	NA	NA	NA
Beryllium	590	< 0.180 U	NA	NA	NA	< 0.190 U	**0.290**	NA	NA	NA	NA
Calcium		**190**	NA	NA	NA	**270**	**150**	NA	NA	NA	NA
Chromium	1500	**6.20**	NA	NA	NA	**2.80**	**7.00**	NA	NA	NA	NA
Cobalt		**1.10 J**	NA	NA	NA	**1.00 J**	**2.50**	NA	NA	NA	NA
Copper	270	**3.70**	NA	NA	NA	**3.00**	**7.80**	NA	NA	NA	NA
Iron		**3300**	NA	NA	NA	**2800**	**6400**	NA	NA	NA	NA
Lead	1000	**1.60**	NA	NA	NA	**2.40**	**2.90**	NA	NA	NA	NA
Magnesium		**280**	NA	NA	NA	**390**	**960**	NA	NA	NA	NA
Manganese	10000	**74.0**	NA	NA	NA	**91.0**	**200**	NA	NA	NA	NA
Mercury	2.8	< 0.0280 U	NA	NA	NA	< 0.0300 U	< 0.0260 U	NA	NA	NA	NA
Nickel	310	**2.00**	NA	NA	NA	**2.60**	**5.20**	NA	NA	NA	NA
Potassium		**260**	NA	NA	NA	**180 J**	**670**	NA	NA	NA	NA
Sodium		**58.0 J**	NA	NA	NA	< 190 U	< 180 U	NA	NA	NA	NA
Vanadium		**6.00**	NA	NA	NA	**6.20**	**9.90**	NA	NA	NA	NA
Zinc	10000	**5.50**	NA	NA	NA	**5.80**	**12.0**	NA	NA	NA	NA
Polychlorinated Biphenyls (PCB) (mg/kg)											
PCB, Total	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1016	1	< 0.0840 U	NA	NA	NA	< 0.0930 U	< 0.0810 U	NA	NA	NA	NA
PCB-1221	1	< 0.0840 U	NA	NA	NA	< 0.0930 U	< 0.0810 U	NA	NA	NA	NA
PCB-1232	1	< 0.0840 U	NA	NA	NA	< 0.0930 U	< 0.0810 U	NA	NA	NA	NA
PCB-1242	1	< 0.0840 U	NA	NA	NA	< 0.0930 U	< 0.0810 U	NA	NA	NA	NA
PCB-1248	1	< 0.0840 U	NA	NA	NA	< 0.0930 U	< 0.0810 U	NA	NA	NA	NA
PCB-1254	1	< 0.0840 U	NA	NA	NA	< 0.0930 U	< 0.0810 U	NA	NA	NA	NA
PCB-1260	1	< 0.0840 U	NA	NA	NA	< 0.0930 U	< 0.0810 U	NA	NA	NA	NA
PCB-1262	1	< 0.0840 U	NA	NA	NA	< 0.0930 U	< 0.0810 U	NA	NA	NA	NA
PCB-1268	1	< 0.0840 U	NA	NA	NA	< 0.0930 U	< 0.0810 U	NA	NA	NA	NA
PFAS (ug/kg)											
Perfluorodecanoic acid (PFDA)		NA	NA	NA	< 0.000200 U	NA	NA	NA	< 0.000180 U	NA	NA
Perfluorononanoic acid (PFNA)		NA	NA	NA	< 0.000200 U	NA	NA	NA	< 0.000180 U	NA	NA
Perfluorooctanesulfonic acid (PFOS)	0.44	NA	NA	NA	< 0.000200 U	NA	NA	NA	< 0.000180 U	NA	NA
Perfluorooctanoic acid (PFOA)	0.5	NA	NA	NA	< 0.000200 U	NA	NA	NA	< 0.000180 U	NA	NA

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
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mg/L = milligrams per liter
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Sonic Drilling Soil Analytical Results
Lawrence Aviation Industries Site #152016
100 Sheep Pasture Road
Prot Jefferson Station, New York 11776

Location:	**Part 375 Commercial**	**SB-303**	**SB-303**	**SB-303**	**SB-303**	**SB-303**	**SB-303**	**SB-303**	**SB-303**	**SB-303**	**SB-303**
Date Collected:		**06/12/2024**	**06/13/2024**	**06/13/2024**	**06/14/2024**	**06/13/2024**	**06/13/2024**	**06/13/2024**	**06/14/2024**	**06/14/2024**	**06/14/2024**
Sample ID:		**SB-303 (66-68)**	**SB-303 (76-77)**	**SB-303 (86-87)**	**DUP-04**	**SB-303 (95-96)**	**SB-303 (104-105)**	**SB-303 (112-113)**	**SB-303 (125-127)**	**SB-303 (136-137)**	**SB-303 (143-144)**
Laboratory Sample ID:		**24F2490-06**	**24F2490-07**	**24F2490-08**	**24F2490-15**	**24F2490-09**	**24F2490-10**	**24F2490-11**	**24F2490-12**	**24F2490-13**	**24F2490-14**
General Chemistry Parameters											
Solids, Percent		**98.7**	**96.7**	**97.4**	**97.9**	**91.4**	**93.1**	**93.1**	**95.6**	**93.5**	**92.0**
Volatile Organic Compounds (VOCs) (mg/kg)											
2-Butanone (MEK)	500	< 0.0200 U	< 0.0200 U	< 0.0200 U	< 0.0180 U	< 0.0180 U	< 0.0190 U	< 0.0220 U	< 0.0240 U	< 0.0310 U	< 0.0210 U
4-Isopropyltoluene		< 0.000990 U	< 0.000990 U	< 0.000990 U	< 0.000880 U	< 0.000900 U	< 0.000960 U	< 0.00110 U	< 0.00120 U	< 0.00150 U	< 0.00110 U
Benzene	44	< 0.000990 U	< 0.000990 U	< 0.000990 U	< 0.000880 U	< 0.000900 U	< 0.000960 U	< 0.00110 U	< 0.00120 U	< 0.00150 U	< 0.00110 U
Ethylbenzene	390	< 0.000990 U	< 0.000990 U	< 0.000990 U	< 0.000880 U	< 0.000900 U	< 0.000960 U	< 0.00110 U	< 0.00120 U	< 0.00150 U	< 0.00110 U
m,p-Xylene		< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00180 U	< 0.00180 U	< 0.00190 U	< 0.00220 U	< 0.00240 U	< 0.00310 U	< 0.00210 U
n-Propylbenzene	500	< 0.000990 U	< 0.000990 U	< 0.000990 U	< 0.000880 U	< 0.000900 U	< 0.000960 U	< 0.00110 U	< 0.00120 U	< 0.00150 U	< 0.00110 U
o-Xylene	500	< 0.000990 U	< 0.000990 U	< 0.000990 U	< 0.000880 U	< 0.000900 U	< 0.000960 U	< 0.00110 U	< 0.00120 U	< 0.00150 U	< 0.00110 U
Styrene		< 0.000990 U	< 0.000990 U	< 0.000990 U	< 0.000880 U	< 0.000900 U	< 0.000960 U	< 0.00110 U	< 0.00120 U	< 0.00150 U	< 0.00110 U
Tetrachloroethene	150	< 0.000990 U	< 0.000990 U	< 0.000990 U	< 0.000880 U	< 0.000900 U	< 0.000960 U	< 0.00110 U	< 0.00120 U	< 0.00150 U	< 0.00110 U
Toluene	500	< 0.000990 U	< 0.000990 U	< 0.000990 U	< 0.000880 U	< 0.000900 U	< 0.000960 U	< 0.00110 U	< 0.00120 U	< 0.00150 U	< 0.00110 U
Total Xylenes	500	< 0.000990 U	< 0.000990 U	< 0.000990 U	< 0.000880 U	< 0.000900 U	< 0.000960 U	< 0.00110 U	< 0.00120 U	< 0.00150 U	< 0.00110 U
Trichloroethene	200	< 0.000990 U	< 0.000990 U	< 0.000990 U	< 0.000880 U	< 0.000900 U	< 0.000960 U	< 0.00110 U	< 0.00120 U	< 0.00150 U	< 0.00110 U
Vinyl chloride	13	< 0.00500 U	< 0.00490 U	< 0.00490 U	< 0.00440 U	< 0.00450 U	< 0.00480 U	< 0.00550 U	< 0.00600 U	< 0.00770 U	< 0.00530 U
1,4-Dioxane											
1,4-Dioxane	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0530 U
Metals (mg/kg)											
Aluminum		**1900**	NA	NA	NA	NA	NA	NA	**740**	NA	NA
Arsenic	16	**1.20 J**	NA	NA	NA	NA	NA	NA	< 3.40 U	NA	NA
Barium	400	**13.0**	NA	NA	NA	NA	NA	NA	**4.70**	NA	NA
Beryllium	590	**0.0910 J**	NA	NA	NA	NA	NA	NA	< 0.170 U	NA	NA
Calcium		**360**	NA	NA	NA	NA	NA	NA	**83.0**	NA	NA
Chromium	1500	**9.80**	NA	NA	NA	NA	NA	NA	**5.70**	NA	NA
Cobalt		**1.70 J**	NA	NA	NA	NA	NA	NA	**3.30**	NA	NA
Copper	270	**17.0**	NA	NA	NA	NA	NA	NA	**4.40**	NA	NA
Iron		**4100**	NA	NA	NA	NA	NA	NA	**4100**	NA	NA
Lead	1000	**4.90**	NA	NA	NA	NA	NA	NA	**1.70**	NA	NA
Magnesium		**690**	NA	NA	NA	NA	NA	NA	**200**	NA	NA
Manganese	10000	**100**	NA	NA	NA	NA	NA	NA	**59.0**	NA	NA
Mercury	2.8	< 0.0240 U	NA	NA	NA	NA	NA	NA	< 0.0260 U	NA	NA
Nickel	310	**4.00**	NA	NA	NA	NA	NA	NA	**1.80**	NA	NA
Potassium		**380**	NA	NA	NA	NA	NA	NA	**160 J**	NA	NA
Sodium		**99.0 J**	NA	NA	NA	NA	NA	NA	< 170 U	NA	NA
Vanadium		**6.70**	NA	NA	NA	NA	NA	NA	**3.30**	NA	NA
Zinc	10000	**10.0**	NA	NA	NA	NA	NA	NA	**3.40**	NA	NA
Polychlorinated Biphenyls (PCB) (mg/kg)											
PCB, Total	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1016	1	< 0.0760 U	NA	NA	NA	NA	NA	NA	< 0.0780 U	NA	NA
PCB-1221	1	< 0.0760 U	NA	NA	NA	NA	NA	NA	< 0.0780 U	NA	NA
PCB-1232	1	< 0.0760 U	NA	NA	NA	NA	NA	NA	< 0.0780 U	NA	NA
PCB-1242	1	< 0.0760 U	NA	NA	NA	NA	NA	NA	< 0.0780 U	NA	NA
PCB-1248	1	< 0.0760 U	NA	NA	NA	NA	NA	NA	< 0.0780 U	NA	NA
PCB-1254	1	< 0.0760 U	NA	NA	NA	NA	NA	NA	< 0.0780 U	NA	NA
PCB-1260	1	< 0.0760 U	NA	NA	NA	NA	NA	NA	< 0.0780 U	NA	NA
PCB-1262	1	< 0.0760 U	NA	NA	NA	NA	NA	NA	< 0.0780 U	NA	NA
PCB-1268	1	< 0.0760 U	NA	NA	NA	NA	NA	NA	< 0.0780 U	NA	NA
PFAS (ug/kg)											
Perfluorodecanoic acid (PFDA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.000200 U
Perfluorononanoic acid (PFNA)		NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.000200 U
Perfluorooctanesulfonic acid (PFOS)	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.000200 U
Perfluorooctanoic acid (PFOA)	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.000200 U

Legend	
<1	Parameter not detected above the laboratory reporting limit
1	Parameter reported at a concentrations greater than Part 375 Commercial SCOs
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:
Only compounds detected above the laboratory reporting limits are presented
mg/L = milligrams per liter
µg/L = micrograms per liter
ng/L = nanograms per liter
NA = Not Analyzed
NE = No criteria established
NYSDEC = New York State Department of Environmental Conservation
SCO = Soil Cleanup Objectives

CHARTS

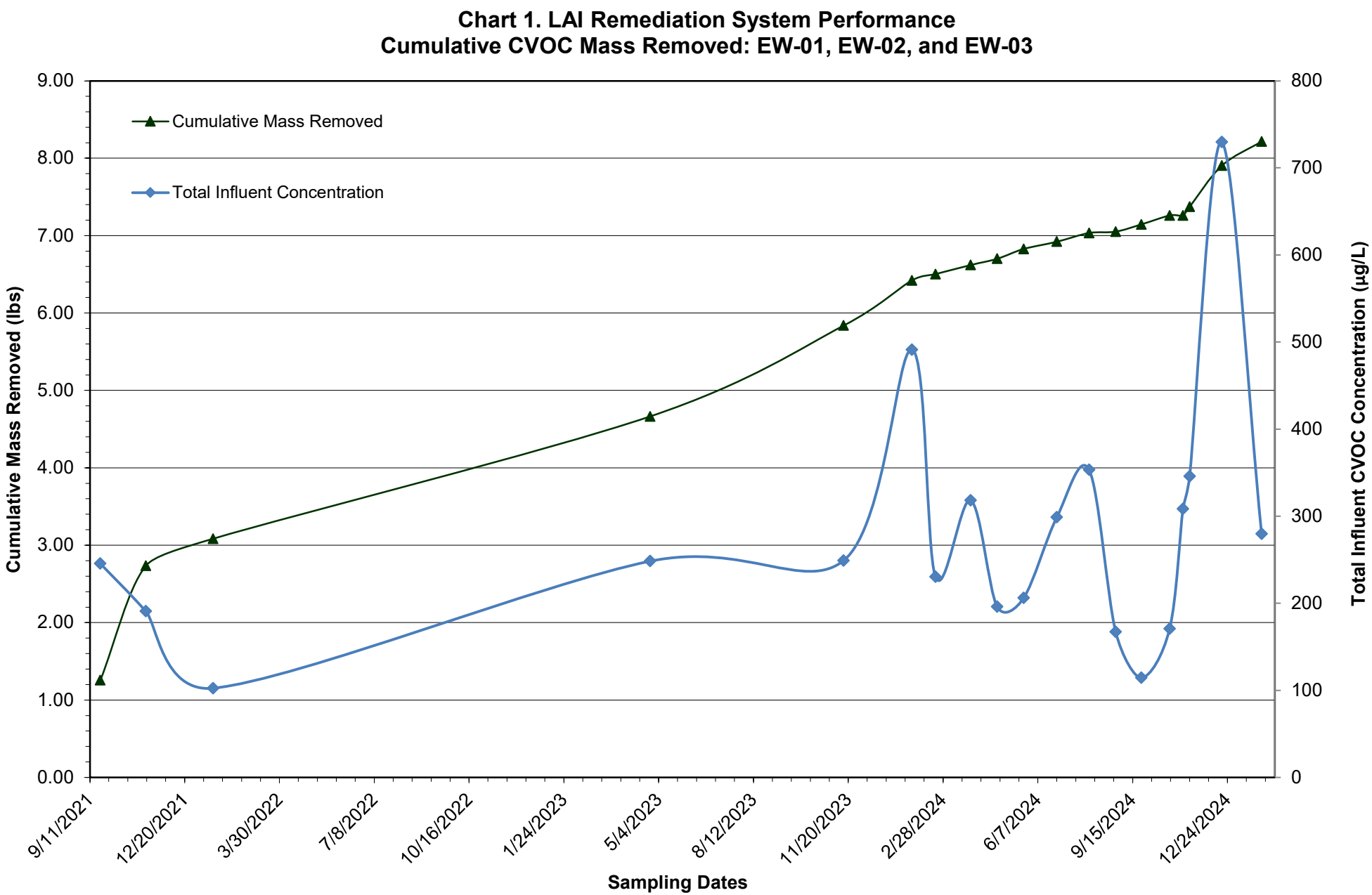
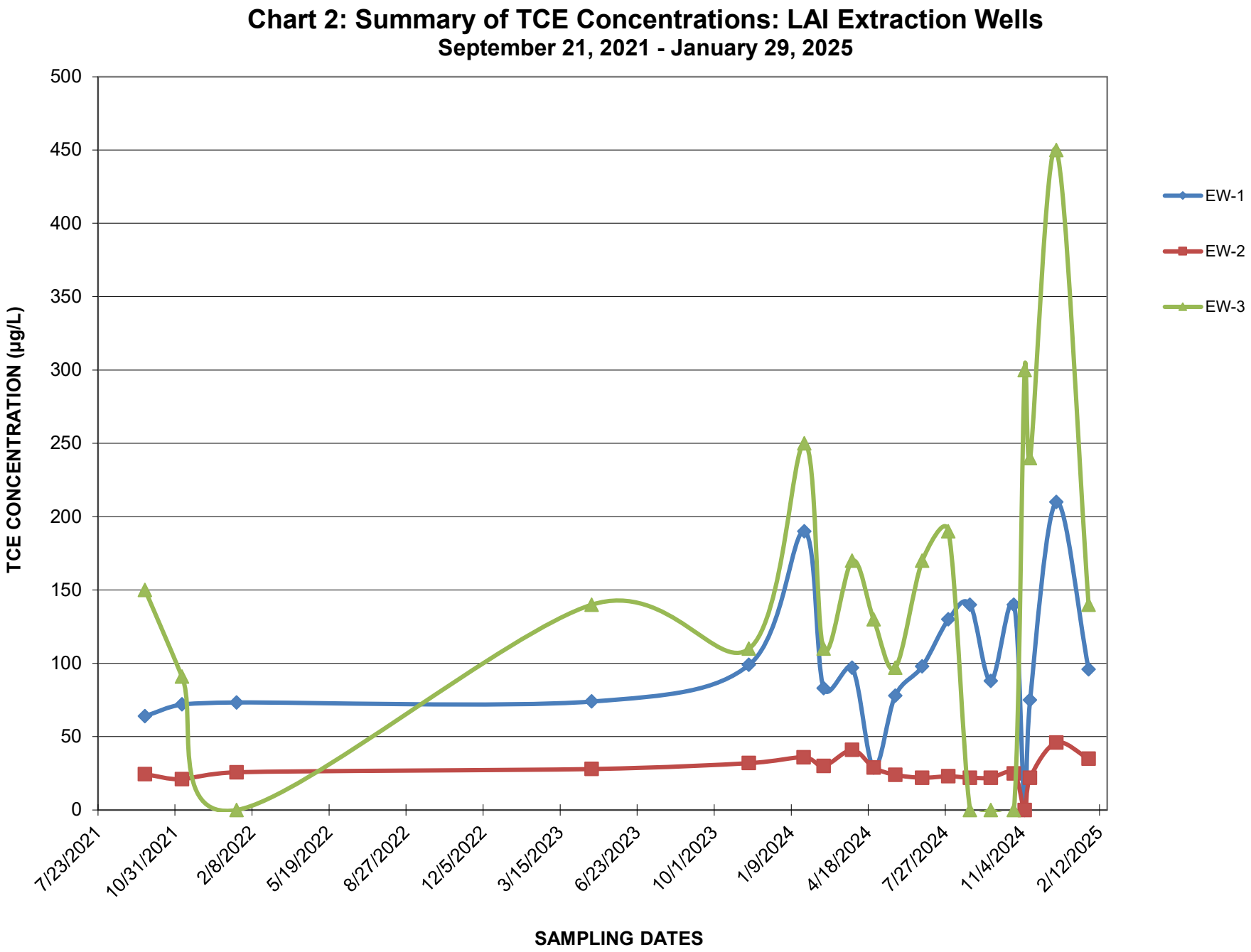
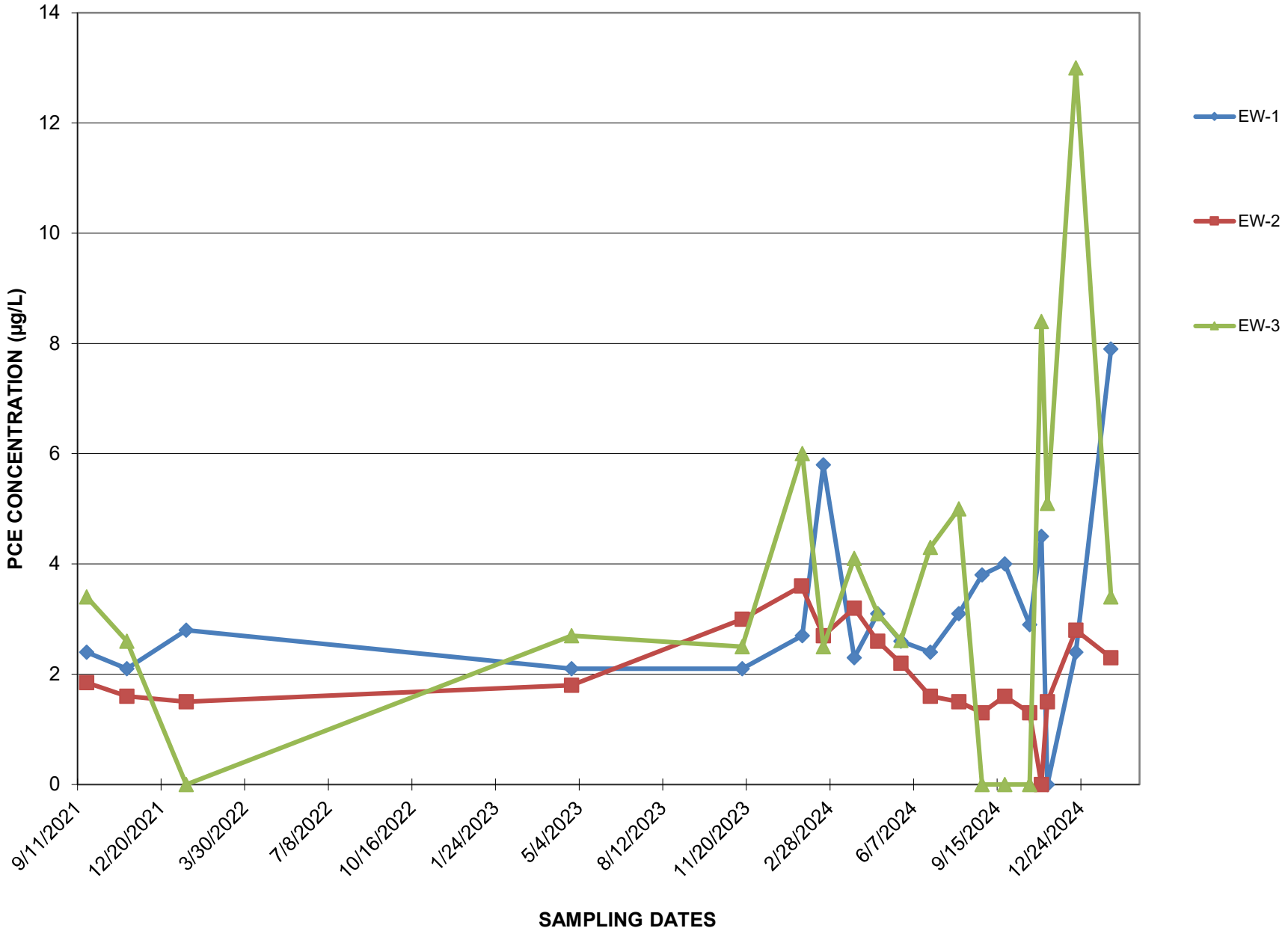


Chart 1. LAI Remediation System Performance
Cumulative CVOC Mass Removed: EW-01, EW-02, and EW-03
Cumulative Mass Removed
Total Influent Concentration
Cumulative Mass Removed (lbs)
Total Influent CVOC Concentration (µg/L)
Sampling Dates
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
800
700
600
500
400
300
200
100
0
9/11/2021
12/20/2021
3/30/2022
7/8/2022
10/16/2022
1/24/2023
5/4/2023
8/12/2023
11/20/2023
2/28/2024
6/7/2024
9/15/2024
12/24/2024



HRP Associates, Inc.



HRP Associates, Inc.

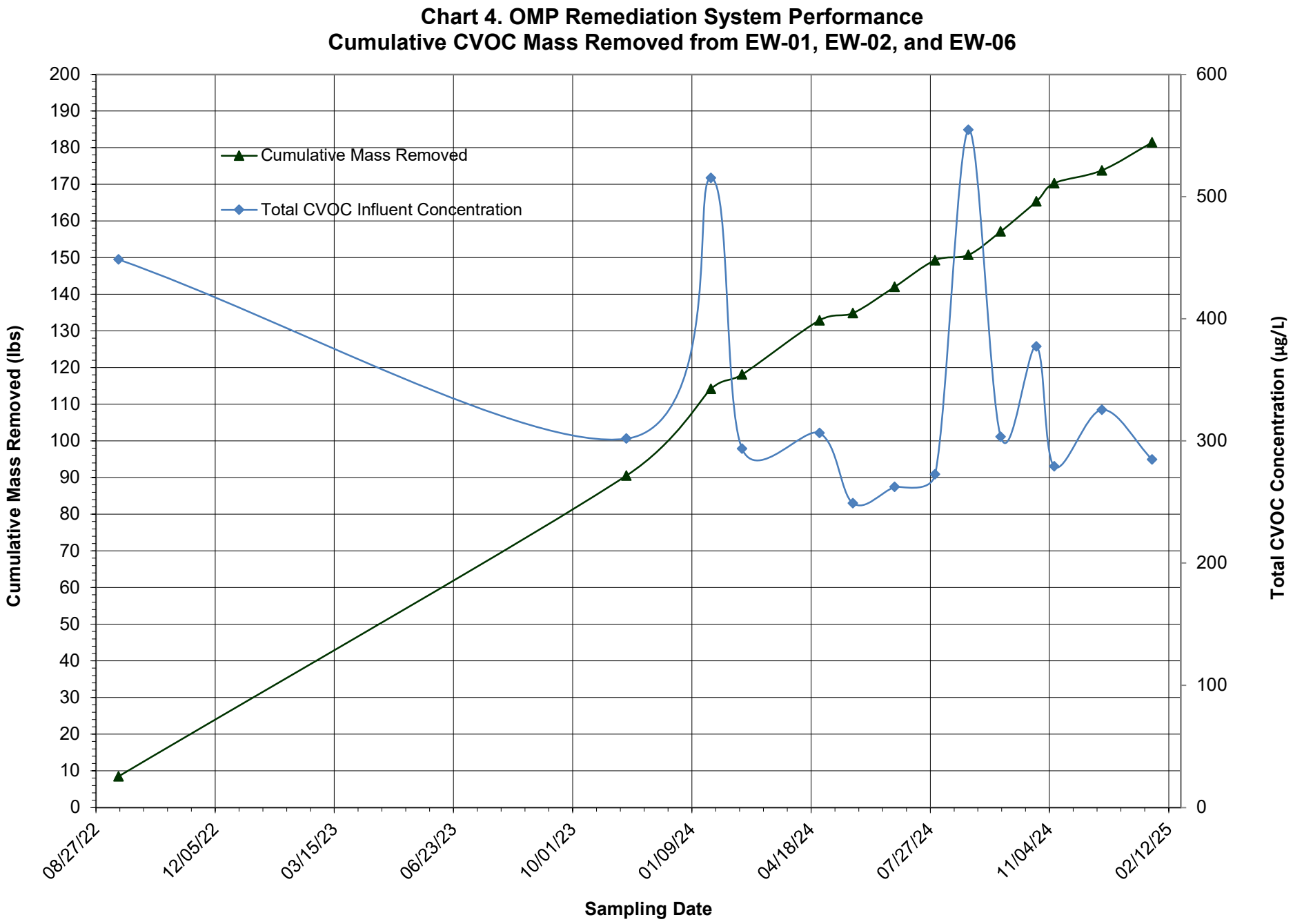
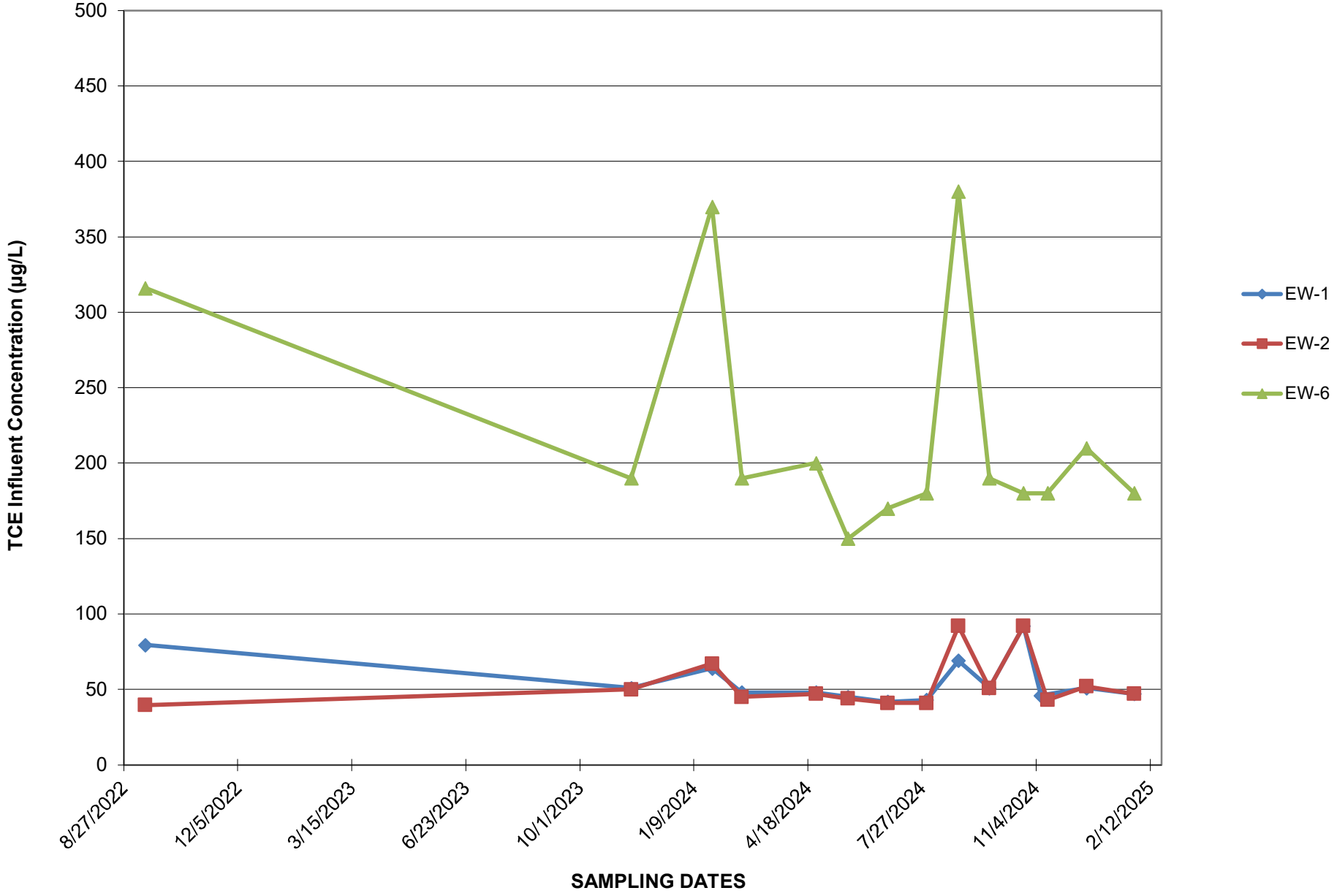


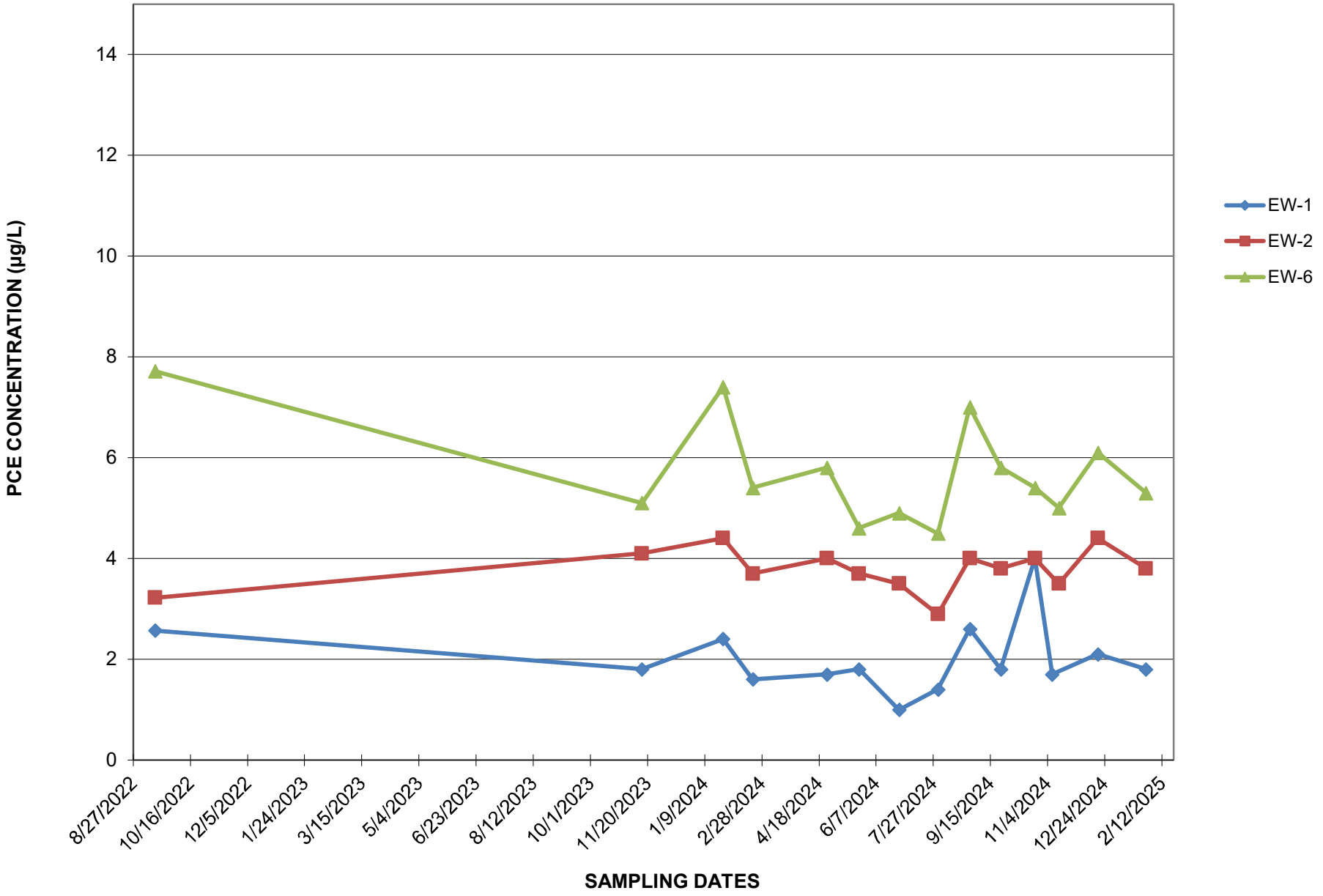
Chart 4. OMP Remediation System Performance
Cumulative CVOC Mass Removed from EW-01, EW-02, and EW-06
Cumulative Mass Removed
Total CVOC Influent Concentration
Cumulative Mass Removed (lbs)
Total CVOC Concentration (µg/L)
Sampling Date
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
0
100
200
300
400
500
600
08/27/22
12/05/22
03/15/23
06/23/23
10/01/23
01/09/24
04/18/24
07/27/24
11/04/24
02/12/25

Chart 5: Summary of Trichloroethene Concentrations OMP Extraction Wells EW-1, EW-2, and EW-6
September 15, 2022 - January 29, 2025



HRP Associates, Inc.

Chart 6: Summary of Tetrachloroethylene Concentrations OMP Extraction Wells EW-1, EW-2, EW-6
September 15, 2022 - December 18, 2024



HRP Associates, Inc.

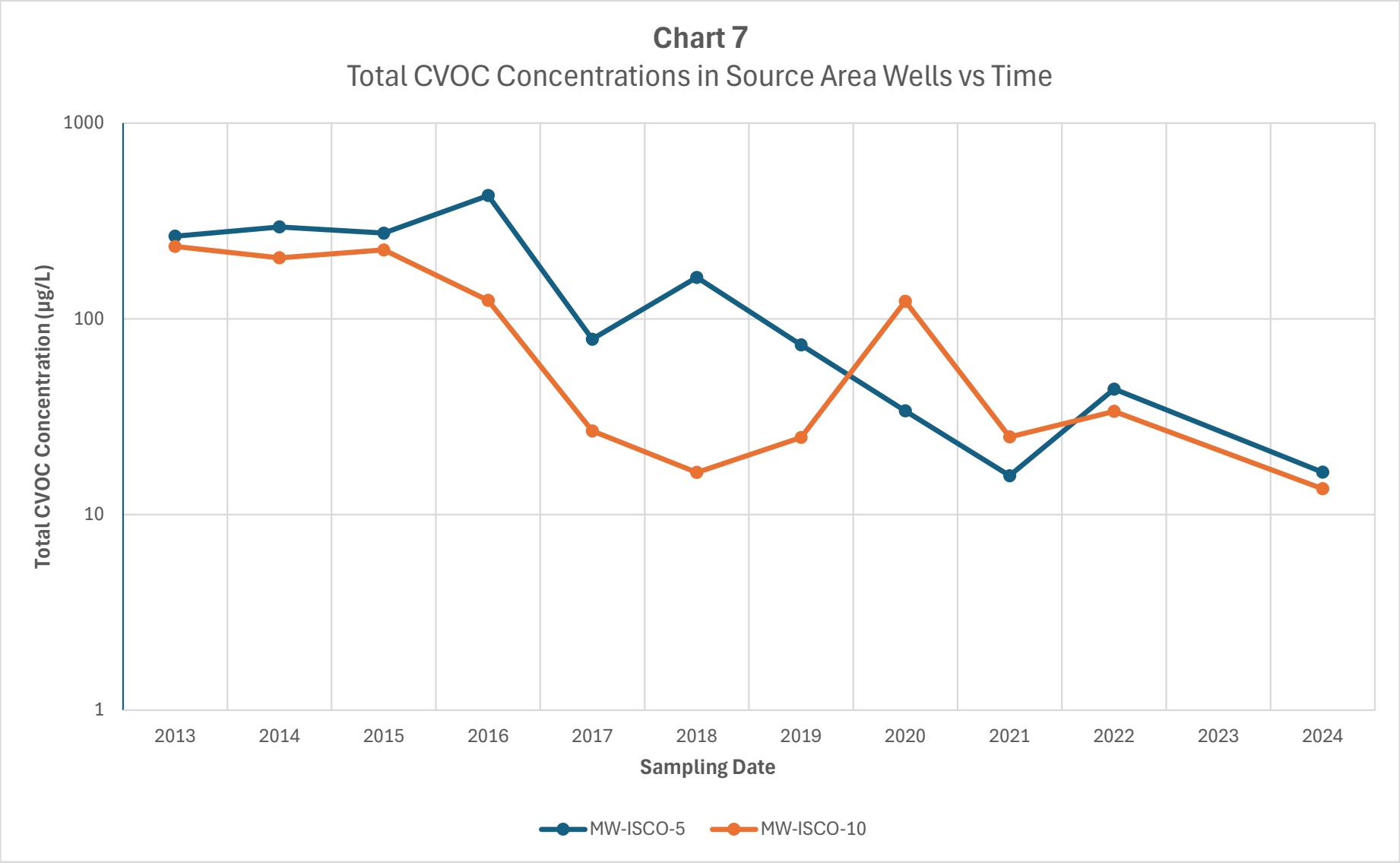


Chart 7
Total CVOC Concentrations in Source Area Wells vs Time
1000
100
10
1
Total CVOC Concentration (µg/L)
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
Sampling Date
MW-ISCO-5
MW-ISCO-10

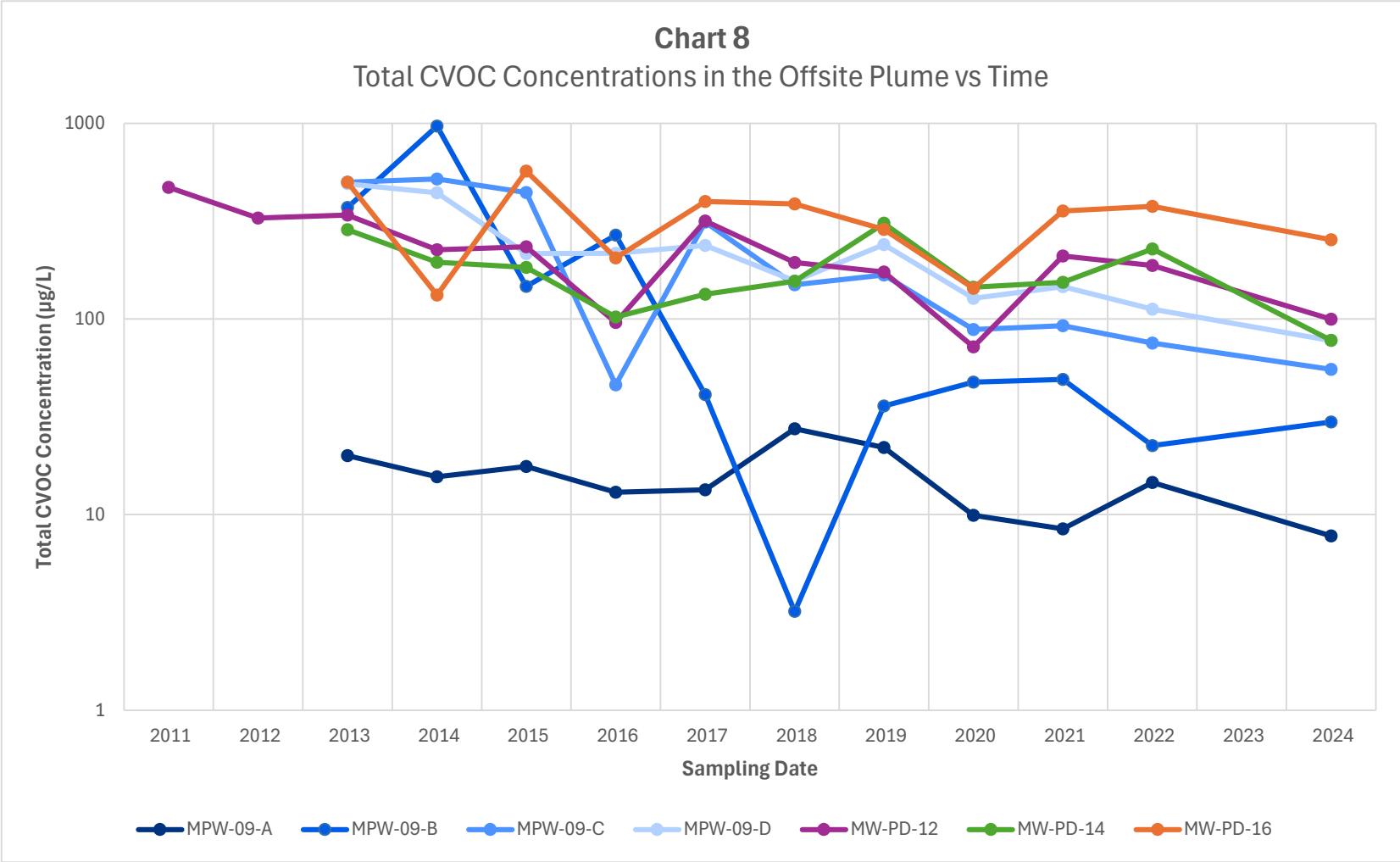


Chart 8
Total CVOC Concentrations in the Offsite Plume vs Time
1000
100
10
1
Total CVOC Concentration (µg/L)
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
Sampling Date
MPW-09-A
MPW-09-B
MPW-09-C
MPW-09-D
MW-PD-12
MW-PD-14
MW-PD-16

APPENDIX A

Declaration of Covenants, Restrictions, and Environmental Easement, July 2024

County: Suffolk Site No: 152016

DECLARATION OF COVENANTS, RESTRICTIONS AND ENVIRONMENTAL EASEMENT

This Declaration of Covenants, Restrictions and Environmental Easement is made this 18th day of July, 2024, by and between SCLB Holdings, LLC, organized and existing under the laws of the State of New York, having its principal office at 100 Veterans Memorial Highway, 2nd Floor, Hauppauge, New York 11788 ("Grantor"), and the People of the State of New York acting through their Commissioner of the New York State Department of Environmental Conservation with its Central Office, located at 625 Broadway, Albany, New York 12233 ("Grantee").

WITNESSETH:

WHEREAS, Grantor is the owner of parcels of land located in the Town of Brookhaven, County of Suffolk, State of New York, known and designated on the tax map of the County Clerk of Suffolk as tax map parcel numbers: Parcel 159-2-19 and Parcel 159-1-26, and recorded in the Suffolk County Clerk's Office in Liber 13202 and Page 410, and Liber 13202 and Page 415, respectively (hereinafter, the "Property"). The Property subject to this Declaration of Covenants, Restrictions and Environmental Easement comprises approximately 36.27 +/- acres, and is hereinafter more fully described in Exhibit A and depicted in Exhibit B. The Property includes any buildings and improvements thereon and appurtenances thereto and is part of the Lawrence Aviation Industries, Inc. Superfund Site ("Site"), which the United States Environmental Protection Agency ("EPA"), pursuant to Section 105 of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. § 9605, placed on the National Priorities List, as set forth in Appendix B of the National Oil and Hazardous Substances Pollution Contingency Plan ("NCP"), 40 C.F.R. Part 300, by publication in the Federal Register on March 6, 2000; and

WHEREAS, in a Record of Decision dated September 29, 2006 ("ROD"), EPA selected, and the New York State Department of Environmental Conservation ("NYSDEC") concurred with, a remedial action for the Site pursuant to CERCLA, which provided for, in pertinent part: excavation and off-Site disposal of contaminated soils and backfilling of excavated areas; construction of groundwater extraction and treatment systems at the Property and downgradient of the Property; application of in situ chemical oxidation within an area of high trichloroethene concentrations in groundwater at the Property; implementation of certain Site institutional controls and a Site Management Plan ("SMP"); investigation of potential soil vapor intrusion into structures within the groundwater plume area and implementation of sub-slab ventilation systems if required; and implementation of a long-term groundwater and surface water monitoring program; and

WHEREAS, the parties hereto have agreed that in accordance with the terms of a consent decree entitled Consent Decree Concerning Distribution of Certain Assets Among Claimants, relating to resolving litigation in the matter of *U.S. v. Lawrence Aviation Industries, Inc. et al.*, Civ. No: 2-06-cv-04818-JMA-AYS, which was entered by the Court on May 12, 2023, Grantor shall grant to the Grantee a permanent environmental easement ("Environmental Easement") pursuant to Article 71, Title 36 of the New York State Environmental Conservation Law, provide covenants with respect to restrictions on the use of the Property, and provide a right of access to the Property in

favor of Grantee, all of which shall run with the land, for purposes of implementing, facilitating and monitoring the CERCLA response action in order to protect human health and the environment; and WHEREAS, Grantor wishes to cooperate fully with the Grantee in the implementation of all response actions at the Site.

NOW, THEREFORE:

1. Grant: Grantor, on behalf of itself, its successors and assigns, does hereby give, grant, covenant, and declare in favor of the Grantee that the Property shall be subject to this Declaration of Covenants, Restrictions and Environmental Easement, and Grantor does further give, grant, and convey to the Grantee the perpetual right to enforce said restrictions, covenants, right of access, and this Declaration of Covenants, Restrictions and Environmental Easement, all of which shall be of the nature and character, and for the purposes hereinafter set forth, with respect to the Property.

2. Purpose: It is the purpose of this instrument to convey to the Grantee real property rights, which will run with the land, to facilitate the continued protectiveness of the remediation of past environmental contamination and to impose use restrictions and covenants to protect human health and the environment by reducing the risk of exposure to contaminants.

3. Restrictions on Use and Maintenance of Engineering Controls: The following restrictions, as more comprehensively established in the SMP on file with EPA and NYSDEC and as may, from time to time, be amended, apply to the use of the Property, as provided below, run with the land, and are binding on the Grantor and its successors in title and assigns:

   a) **Commercial/Industrial Use.** The Property may be used for only commercial and industrial uses as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and (v).

   b) **Restriction of Use of Groundwater.** The use of groundwater underlying the Property is prohibited without necessary water quality treatment as determined by the New York State Department of Health or the Suffolk County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.

   c) **Vapor Intrusion Evaluation for New Construction.** The potential for vapor intrusion must be evaluated for any buildings constructed on the Property, and any potential impacts that are identified must be monitored or mitigated in accordance with the SMP.

   d) **Inspections and Monitoring.** Site inspections, monitoring of groundwater, and maintenance of fencing and other engineering controls must be implemented in accordance with the provisions of the SMP.

4. Modification or termination of restrictions and covenants: The restrictions specified in the preceding paragraph of this instrument may only be modified or terminated, in whole or in part, in writing, by the Grantee with approval of EPA, provided, however, that any

modification or termination of said restrictions shall not adversely affect the remedy selected by EPA for the Site. If approved by Grantee and EPA and it is requested by the Grantor, such writing will be executed by Grantee in recordable form. Any request by Grantor for such a modification or termination of this instrument shall be made, not less than 30-days in advance of any modification or termination, in writing by Grantor to Grantee and to EPA in accordance with paragraph 15 of this instrument.

5. Right of access: Grantors hereby convey to Grantee and to EPA a right of access to the Property at all reasonable times for the following purposes, which right of access shall run with the land and be binding on Grantor, its successors and /or assigns, and on any tenants or any other parties having an interest and/or rights to any portion of the Property:

   a) Implementing the remedy selected in the ROD;

   b) Verifying any data or information relating to the Site;

   c) Verifying that no action is being taken at the Site that is in violation of the terms of this instrument or of any federal or state environmental laws or regulations;

   d) Conducting investigations under CERCLA relating to contamination on or near the Site, including, without limitation, sampling of air, water, sediments, or soils; and

   e) Implementing additional or new response actions under CERCLA.

6. Reserved rights of Grantor: Grantor hereby reserves unto itself, and its successors and assigns, all rights and privileges in and to the use of the Property that are not incompatible with the restrictions, rights, covenants, and easement granted herein.

7. Federal authority: Nothing in this document shall limit or otherwise affect EPA's rights of entry and access or EPA's authority to take response actions under CERCLA, the NCP, or other federal law.

8. State authority: Nothing herein shall constitute a waiver of any rights the State may have pursuant to the Environmental Conservation Law, state regulation, and/or relevant provisions of statutory or common law.

9. No public access and use: No right of access or use by the general public to any portion of the Site is conveyed by this instrument.

10. Public notice: Grantor, on behalf of itself and its successors and assigns, agrees to include in each instrument conveying any interest in any portion of the Property, including but not limited to deeds, leases, and mortgages, a notice that is in substantially the following form:

NOTICE: THIS PROPERTY IS SUBJECT TO A DECLARATION OF COVENANTS, RESTRICTIONS, AND AN ENVIRONMENTAL EASEMENT DATED_____, 20__ , RECORDED IN THE SUFFOLK COUNTY CLERK'S OFFICE ON_____, 20__, IN BOOK_____, PAGE_____, AND HELD BY THE NEW YORK

STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36, ARTICLE 71 OF THE ENVIRONMENTAL CONSERVATION LAW. THE DECLARATION OF COVENANTS, RESTRICTIONS, AND ENVIRONMENTAL EASEMENT SHALL BE ENFORCEABLE BY THE PEOPLE OF THE STATE OF NEW YORK AND BY THE UNITED STATES OF AMERICA AS THIRD-PARTY BENEFICIARY.

Within thirty (30) days of the date any such instrument of conveyance is executed, Grantor agrees to provide Grantee and EPA with a certified true copy of said instrument and, if it has been recorded in the public land records, its recording reference.

11. Enforcement: This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

12. Damages: Grantee shall also be entitled to recover damages for breach of any covenant or violation of the terms of this instrument including any impairment to the selected remedy that increases the cost of the selected remedy for the Site as a result of such breach or violation.

13. Waiver of certain defenses: Grantor hereby waives any defense of laches, estoppel, or prescription.

14. Covenants: Grantor hereby covenants that the Grantor is lawfully seized in fee simple of the real property at the Site, that the Grantor has a good and lawful right and power to sell and convey it or any interest therein and that the Site is free and clear of encumbrances.

15. Notices: Any notice, demand, request, consent, approval, or communication under this instrument that either party desires or is required to give to the other shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

To Grantor:	To Grantee:
SCLB Holdings, LLC 100 Veterans Memorial Highway 2nd Floor Hauppauge, New York 11788	Office of General Counsel NYS Department of Environmental Conservation 625 Broadway Albany, New York 12233-5500

And

Suffolk County Attorney's Office
100 Veterans Memorial Highway
6th Floor
Hauppauge, New York 11788

And

NYS Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Site Control
625 Broadway
Albany, New York 12233

A copy of each such communication shall also be sent to EPA in the same manner as to Grantor or Grantee, and addressed to the following two addressees:

U.S. Environmental Protection Agency
Superfund and Emergency Management Division
290 Broadway, 19th Floor,
New York, New York 10007-1866
Attention: Lawrence Aviation Industries, Inc. Superfund Site Remedial Project Manager

U.S. Environmental Protection Agency
Office of Regional Counsel
290 Broadway, 17th Floor,
New York, New York 10007-1866
Attention: Lawrence Aviation Industries, Inc. Superfund Site Attorney

16. General provisions:

a) Controlling law: The interpretation and performance of this instrument shall be governed by the laws of the State of New York, and with respect to other matters, shall be governed by the laws of the United States or, if there are no applicable federal laws, by the laws of the State of New York.

b) Liberal construction: Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the grant to affect the purpose of this instrument and the policy and purpose of CERCLA. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

c) Severability: If any provision of this instrument or the application of it to any person or circumstance is found to be invalid, the remainder of the provisions of this instrument, or the application of such provisions to persons or circumstances other than those to which it is found to be invalid, as the case may be, shall not be affected thereby.

d) No forfeiture: Nothing contained herein will result in a forfeiture or reversion of Grantor's title in any respect.

e) Joint obligation: If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

f) Successors: The covenants, easements, terms, conditions, and restrictions set forth in this instrument shall be binding upon, and inure to the benefit of, the parties hereto and their respective personal representatives, heirs, successors, and assigns and shall continue as a servitude running in perpetuity with the real property at the Site. The term "Grantor", wherever used herein, and any pronouns used in place thereof, shall include the persons and/or entities named at the beginning of this document, identified as "Grantor" and their personal representatives, heirs, successors, and assigns. The term "Grantee", wherever used herein, and any pronouns used in place thereof, shall mean the People of the State of New York acting through their Commissioner of NYSDEC or through any successor department or agency of the State of New York.

g) Captions: The captions in this instrument have been inserted solely for convenience of reference and are not a part of this instrument and shall have no effect upon construction or interpretation.

h) Counterparts: The parties may execute this instrument in two or more counterparts, which shall, in the aggregate, be signed by both parties; each counterpart shall be deemed an original instrument as against any party who has signed it. In the event of any disparity between the counterparts produced, the recorded counterpart shall be controlling.

i) Third-Party Beneficiary: Grantor and Grantee hereby agree that the United States, through EPA, shall be, on behalf of the public, a third-party beneficiary of the benefits, rights, and obligations conveyed to Grantee in this instrument; provided that nothing in this instrument shall be construed to create any obligations on the part of EPA.

17. Recordation: Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner of the New York State Department of Environmental Conservation or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

County: Suffolk Site No: 152016

TO HAVE AND TO HOLD unto the Grantee and its assigns forever.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Executed this 18 day of July, 2024.

SCLB Holdings, LLC
By: Matthew Kapell
Title: Executive Director

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Suffolk)

On the 18th day of July, in the year 2024, before me, the undersigned, personally appeared Matthew Kapell, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her capacity as Executive Director of SCLB Holdings LLC, and that by his/her signature on the instrument, the Grantor, upon behalf of which the individual acted, executed the instrument.

MICHELE MARTINES
NOTARY PUBLIC STATE OF NEW YORK
No. 01MA6191505
Qualified in Suffolk County
~~Certified in Nassau County~~
My Commission Expires 8/8/2024

Michele Martines
Notary Public - State of New York

County: Suffolk Site No: 152016

THIS DECLARATION OF COVENANTS, RESTRICTIONS AND ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner.

By: Andrew Guglielmi
Andrew O. Guglielmi/ Director
Division of Environmental Remediation

Date: July 17, 2024

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Albany)

On the 17th day of July, in the year 2024, before me, the undersigned, personally appeared Andrew O. Guglielmi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity as designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his signature on the instrument, the People of the State of New York, upon behalf of which the individual acted, executed the instrument.

Cheryl A. Salem
Notary Public - State of New York

Cheryl A. Salem
Notary Public State of New York
Registration No. 01SA0002177
Qualified in Albany County
My Commission Expires March 3, 2027

EXHIBIT A
Declaration of Covenants, Restrictions and Environmental Easement

Lawrence Aviation Industries, Inc. Superfund Site

METES AND BOUNDS DESCRIPTION OF AN ENVIRONMENTAL EASEMENT HAMLET OF PORT JEFFERSON STATION, TOWN OF BROOKHAVEN, STATE OF NEW YORK, BEING ALL OF SUFFOLK COUNTY TAX MAP LOT 200-159-1-26 AND A PORTION OF 200-159-2-19 & 22

BEGINNING AT A POINT AT THE SOUTHWESTERLY CORNER OF LAND NOW OR FORMERLY OF SHEEP PASTURE HOLDINGS LLC AND THE NORTHEASTERLY SIDE OF AN EXISTING LIPA RIGHT OF WAY, SAID POINT BEING NORTH 50 DEGREES 28 MINUTES 58 SECONDS WEST 447.67 FEET MEASURED FROM THE INTERSECTION OF THE NORTHERLY SIDE OF THE SETAUKET-PORT JEFFERSON GREENWAY MULTI-USE PATH (NEW YORK STATE ROUTE 5232-A) AND THE NORTHEASTERLY SIDE OF AN EXISTING LIPA RIGHT OF WAY;

THENCE NORTHERLY FROM SAID POINT OF BEGINNING ALONG LAND NOW OR FORMERLY OF SHEEP PASTURE HOLDINGS LLC AND THE EASTERLY SIDE OF THE MAP OF HARBORVIEW PARK FILED MAY 19, 1928 AS FILE NO. 161 NORTH 43 DEGREES 11 MINUTES 40 SECONDS EAST 1519.49 FEET (DEED) 1519.37 FEET TO LAND NOW OR FORMERLY OF 2384 BELMONT AVENUE LLC;

THENCE SOUTHEASTERLY AND SOUTHERLY ALONG SAID LANDS OF BELMONT AVENUE LLC AND LAND NOW OR FORMERLY OF SCLB HOLDINGS LLC THE FOLLOWING SIX (6) COURSES AND DISTANCES:

1) SOUTH 47 DEGREES 43 MINUTES 16 SECONDS EAST 250.47 FEET
2) SOUTH 43 DEGREES 10 MINUTES 55 SECONDS WEST 74.64 (DEED) 74.52 FEET
3) SOUTH 47 DEGREES 43 MINUTES 09 SECONDS EAST 179.20 FEET
4) NORTH 52 DEGREES 16 MINUTES 51 SECONDS EAST 18.20 FEET
5) SOUTH 63 DEGREES 56 MINUTES 09 SECONDS EAST 401.00 FEET
6) SOUTH 58 DEGREES 04 MINUTES 09 SECONDS EAST 407.80 FEET TO A POINT;

THENCE SOUTHERLY ALONG SAID LANDS OF SCLB HOLDINGS LLC SOUTH 31 DEGREES 40 MINUTES 40 SECONDS WEST 587.08 FEET TO THE NORTHERLY SIDE OF THE SETAUKET-PORT JEFFERSON GREENWAY MULTI-USE PATH (NEW YORK STATE ROUTE 5232-A);

THENCE WESTERLY ALONG SAID LAND NOW OR FORMERLY OF THE SETAUKET-PORT JEFFERSON GREENWAY MULTI-USE PATH (NEW YORK STATE ROUTE 5232-A) ALONG THE ARC OF A CURVE TO THE RIGHT WITH A RADIUS OF 5654.58 FEET (DEED) 5654.16 FEET, ARC LENGTH OF 1387.79 FEET

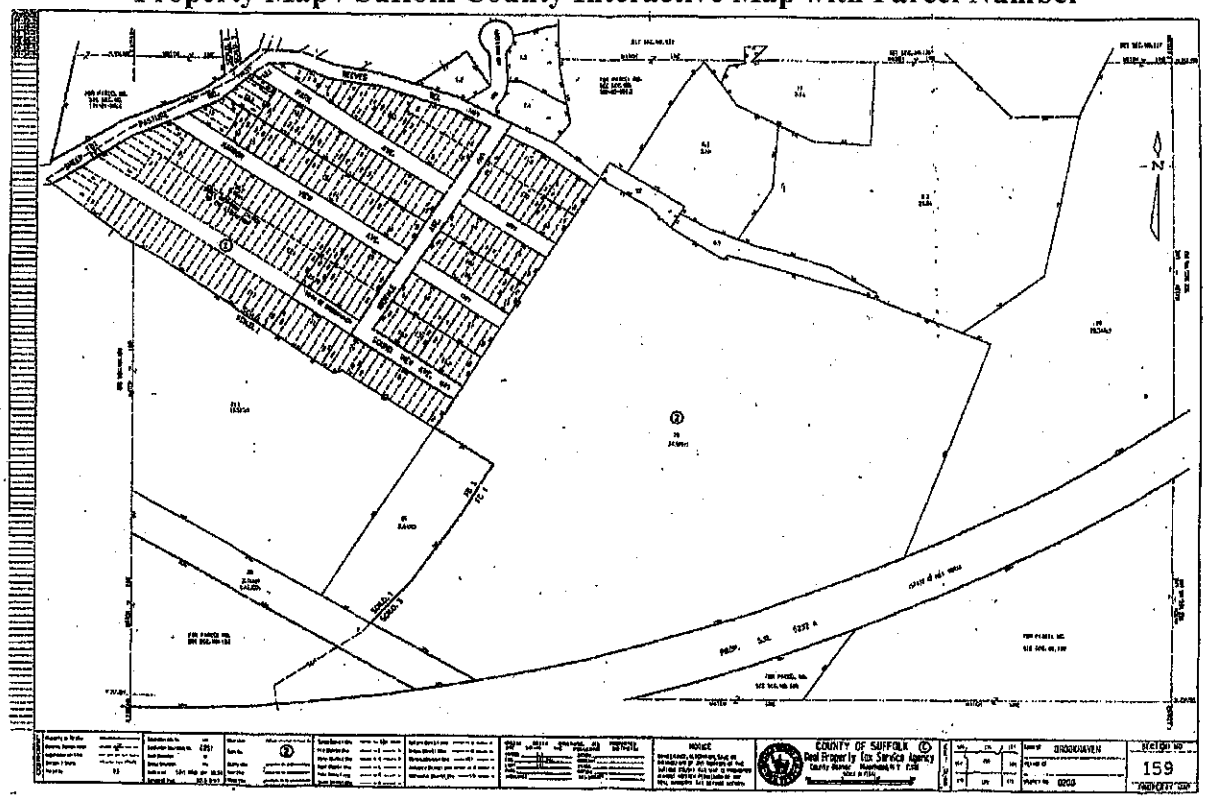
(DEED) 1387.77 FEET AND CHORD BEARING SOUTH 82 DEGREES 59 MINUTES 44 SECONDS WEST 1384.29 FEET TO NORTHERLY SIDE OF AN EXISTING LIPA RIGHT OF WAY;

THENCE NORTHWESTERLY ALONG THE NORTHERLY SIDE OF SAID EXISTING LIPA RIGHT OF WAY NORTH 50 DEGREES 28 MINUTES 58 SECONDS WEST 447.63 (DEED) 447.67 FEET TO THE POINT OR PLACE OF BEGINNING CONTAINING WITHIN SAID BOUNDS 36.268 ACRES.

EXHIBIT B
Declaration of Covenants, Restrictions and Environmental Easement

Lawrence Aviation Industries, Inc. Superfund Site

Property Map / Suffolk County Interactive Map with Parcel Number



1	2

Number of pages

This document will be public record. Please remove all Social Security Numbers prior to recording.

Deed / Mortgage Instrument	Deed / Mortgage Tax Stamp	Recording / Filing Stamps

3 FEES

Page / Filing Fee _____

Handling 20. 00

TP-584 _____

Notation _____

EA-52 17 (County) _____

EA-5217 (State) _____

R.P.T.S.A. _____

Comm. of Ed. 5. 00

Affidavit _____

Certified Copy _____

NYS Surcharge 15. 00

Other _____

Sub Total _____

Sub Total _____

Grand Total _____

Mortgage Amt. _____

1. Basic Tax _____

2. Additional Tax _____ _____

Sub Total _____

Spec./Assit.

or

Spec. /Add. _____

TOT. MTG. TAX _____

Dual Town _____ Dual County _____

Held for Appointment _____

Transfer Tax _____

Mansion Tax _____

The property covered by this mortgage is or will be improved by a one or two family dwelling only.

YES _____ or NO _____

If NO, see appropriate tax clause on page # _____ of this instrument.

4	Dist. 0200	Section 159.00	Block 02.00	Lot 019.000

5 Community Preservation Fund

Real Property Tax Service Agency Verification

Consideration Amount $ _____

CPF Tax Due $ _____

6 Satisfactions/Discharges/Releases List Property Owners Mailing Address

RECORD & RETURN TO:

Suffolk County Landbank Corporation
ATTN: Matthew Kapell, Executive Director
100 Veterans Memorial Highway, 2nd FL
Hauppague, NY 11788

Improved _____

Vacant Land _____

TD _____

TD _____

TD _____

Mail to: Vincent Puleo, Suffolk County Clerk
310 Center Drive, Riverhead, NY 11901
www.suffolkcountyny.gov/clerk

7 Title Company Information

Co. Name

Title #

8 Suffolk County Recording & Endorsement Page

TP-584 (4/13)

New York State Department of Taxation and Finance

Combined Real Estate Transfer Tax Return, Credit Line Mortgage Certificate, and Certification of Exemption from the Payment of Estimated Personal Income Tax

Recording office time stamp

See Form TP-584-I, Instructions for Form TP-584, *before completing this form. Print or type.*

Schedule A — Information relating to conveyance

Grantor/Transferor	Name *(if individual, last, first, middle initial)* (☐ *check if more than one grantor)*			Social security number
☐ Individual	SCLB Holdings, LLC			
☒ Corporation	Mailing address			Social security number
☐ Partnership	100 Veterans Memorial Hwy.			
☐ Estate/Trust	City	State	ZIP code	Federal EIN
☐ Single member LLC	Hauppauge	NY	11788	61-1985629
☐ Other	Single member's name if grantor is a single member LLC *(see instructions)*			Single member EIN or SSN

Grantee/Transferee	Name *(if individual, last, first, middle initial)* (☐ *check if more than one grantee)*			Social security number
☐ Individual	New York State Department of Environmental Conservation			
☐ Corporation	Mailing address			Social security number
☐ Partnership	625 Broadway			
☐ Estate/Trust	City	State	ZIP code	Federal EIN
☐ Single member LLC	New York	NY	12233	14-6013200
☒ Other	Single member's name if grantee is a single member LLC *(see instructions)*			Single member EIN or SSN

Location and description of property conveyed

Tax map designation – Section, block & lot *(include dots and dashes)*	SWIS code (six digits)	Street address	City, town, or village	County
159.00-02.00-019.000	472213	Rte 25A By-Pass	Port Jefferson Sta	Suffolk

Type of property conveyed *(check applicable box)*

1 ☐ One- to three-family house
2 ☐ Residential cooperative
3 ☐ Residential condominium
4 ☐ Vacant land
5 ☐ Commercial/Industrial
6 ☐ Apartment building
7 ☐ Office building
8 ☒ Other Easement

Date of conveyance: 07 (month) 18 (day) 2024 (year)

Percentage of real property conveyed which is residential real property 0 % *(see instructions)*

Condition of conveyance *(check all that apply)*

a. ☐ Conveyance of fee interest

b. ☐ Acquisition of a controlling interest (state percentage acquired _____ %)

c. ☐ Transfer of a controlling interest (state percentage transferred _____ %)

d. ☐ Conveyance to cooperative housing corporation

e. ☐ Conveyance pursuant to or in lieu of foreclosure or enforcement of security interest *(attach Form TP-584.1, Schedule E)*

f. ☐ Conveyance which consists of a mere change of identity or form of ownership or organization *(attach Form TP-584.1, Schedule F)*

g. ☐ Conveyance for which credit for tax previously paid will be claimed *(attach Form TP-584.1, Schedule G)*

h. ☐ Conveyance of cooperative apartment(s)

i. ☐ Syndication

j. ☐ Conveyance of air rights or development rights

k. ☐ Contract assignment

l. ☐ Option assignment or surrender

m. ☐ Leasehold assignment or surrender

n. ☐ Leasehold grant

o. ☒ Conveyance of an easement

p. ☐ Conveyance for which exemption from transfer tax claimed *(complete Schedule B, Part III)*

q. ☐ Conveyance of property partly within and partly outside the state

r. ☐ Conveyance pursuant to divorce or separation

s. ☐ Other *(describe)* _____

For recording officer's use	Amount received	Date received	Transaction number
	Schedule B., Part I $ _____		
	Schedule B., Part II $		

Schedule B — Real estate transfer tax return (Tax Law, Article 31)

Part I – Computation of tax due

1	Enter amount of consideration for the conveyance *(if you are claiming a total exemption from tax, check the exemption claimed box, enter consideration and proceed to Part III)* ☒ **Exemption claimed**	1.	1 00
2	Continuing lien deduction *(see instructions if property is taken subject to mortgage or lien)*	2.	
3	Taxable consideration *(subtract line 2 from line 1)*	3.	
4	Tax: $2 for each $500, or fractional part thereof, of consideration on line 3	4.	
5	Amount of credit claimed for tax previously paid *(see instructions and attach Form TP-584.1,* Schedule G*)*	5.	
6	Total tax due* *(subtract line 5 from line 4)*	6.	

Part II – Computation of additional tax due on the conveyance of residential real property for $1 million or more

1	Enter amount of consideration for conveyance *(from* Part I, *line 1)*	1.	
2	Taxable consideration *(multiply line 1 by the percentage of the premises which is residential real property, as shown in* Schedule A*)*	2.	
3	Total additional transfer tax due* *(multiply line 2 by 1% (.01))*	3.	

Part III – Explanation of exemption claimed on Part I, line 1 *(check any boxes that apply)*

The conveyance of real property is exempt from the real estate transfer tax for the following reason:

a. Conveyance is to the United Nations, the United States of America, the state of New York, or any of their instrumentalities, agencies, or political subdivisions (or any public corporation, including a public corporation created pursuant to agreement or compact with another state or Canada) ..... a ☒

b. Conveyance is to secure a debt or other obligation ..... b ☐

c. Conveyance is without additional consideration to confirm, correct, modify, or supplement a prior conveyance ..... c ☐

d. Conveyance of real property is without consideration and not in connection with a sale, including conveyances conveying realty as bona fide gifts ..... d ☐

e. Conveyance is given in connection with a tax sale ..... e ☐

f. Conveyance is a mere change of identity or form of ownership or organization where there is no change in beneficial ownership. (This exemption cannot be claimed for a conveyance to a cooperative housing corporation of real property comprising the cooperative dwelling or dwellings.) Attach Form TP-584.1, Schedule F ..... f ☐

g. Conveyance consists of deed of partition ..... g ☐

h. Conveyance is given pursuant to the federal Bankruptcy Act ..... h ☐

i. Conveyance consists of the execution of a contract to sell real property, without the use or occupancy of such property, or the granting of an option to purchase real property, without the use or occupancy of such property ..... i ☐

j. Conveyance of an option or contract to purchase real property with the use or occupancy of such property where the consideration is less than $200,000 and such property was used solely by the grantor as the grantor's personal residence and consists of a one-, two-, or three-family house, an individual residential condominium unit, or the sale of stock in a cooperative housing corporation in connection with the grant or transfer of a proprietary leasehold covering an individual residential cooperative apartment ..... j ☐

k. Conveyance is not a conveyance within the meaning of Tax Law, Article 31, section 1401(e) *(attach documents supporting such claim)* ..... k ☐

*The total tax (from Part I, line 6 and Part II, line 3 above) is due within 15 days from the date conveyance. Please make check(s) payable to the county clerk where the recording is to take place. If the recording is to take place in the New York City boroughs of Manhattan, Bronx, Brooklyn, or Queens, make check(s) payable to the ***NYC Department of Finance.*** If a recording is not required, send this return and your check(s) made payable to the ***NYS Department of Taxation and Finance***, directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-0045.

Schedule C — Credit Line Mortgage Certificate (Tax Law, Article 11)

Complete the following only if the interest being transferred is a fee simple interest.
I (we) certify that: *(check the appropriate box)*

1. ☐ The real property being sold or transferred is not subject to an outstanding credit line mortgage.

2. ☐ The real property being sold or transferred is subject to an outstanding credit line mortgage. However, an exemption from the tax is claimed for the following reason:
   - ☐ The transfer of real property is a transfer of a fee simple interest to a person or persons who held a fee simple interest in the real property (whether as a joint tenant, a tenant in common or otherwise) immediately before the transfer.
   - ☐ The transfer of real property is (A) to a person or persons related by blood, marriage or adoption to the original obligor or to one or more of the original obligors or (B) to a person or entity where 50% or more of the beneficial interest in such real property after the transfer is held by the transferor or such related person or persons (as in the case of a transfer to a trustee for the benefit of a minor or the transfer to a trust for the benefit of the transferor).
   - ☐ The transfer of real property is a transfer to a trustee in bankruptcy, a receiver, assignee, or other officer of a court.
   - ☐ The maximum principal amount secured by the credit line mortgage is $3,000,000 or more, and the real property being sold or transferred is **not** principally improved nor will it be improved by a one- to six-family owner-occupied residence or dwelling.

     Please note: for purposes of determining whether the maximum principal amount secured is $3,000,000 or more as described above, the amounts secured by two or more credit line mortgages may be aggregated under certain circumstances. See TSB-M-96(6)-R for more information regarding these aggregation requirements.
   - ☐ Other *(attach detailed explanation)*.

3. ☐ The real property being transferred is presently subject to an outstanding credit line mortgage. However, no tax is due for the following reason:
   - ☐ A certificate of discharge of the credit line mortgage is being offered at the time of recording the deed.
   - ☐ A check has been drawn payable for transmission to the credit line mortgagee or his agent for the balance due, and a satisfaction of such mortgage will be recorded as soon as it is available.

4. ☐ The real property being transferred is subject to an outstanding credit line mortgage recorded in _____ (insert liber and page or reel or other identification of the mortgage). The maximum principal amount of debt or obligation secured by the mortgage is _____. No exemption from tax is claimed and the tax of _____ is being paid herewith. *(Make check payable to county clerk where deed will be recorded or, if the recording is to take place in New York City but not in Richmond County, make check payable to the **NYC Department of Finance.**)*

Signature (both the grantor(s) and grantee(s) must sign)

The undersigned certify that the above information contained in schedules A, B, and C, including any return, certification, schedule, or attachment, is to the best of his/her knowledge, true and complete, and authorize the person(s) submitting such form on their behalf to receive a copy for purposes of recording the deed or other instrument effecting the conveyance.

Grantor signature	Title	Grantee signature	Title
As Exec Director	Exec Director	Andrew Dugleh	Director of Remediation

Reminder: Did you complete all of the required information in Schedules A, B, and C? Are you required to complete Schedule D? If you checked *e*, *f*, or *g* in Schedule A, did you complete Form TP-584.1? Have you attached your check(s) made payable to the county clerk where recording will take place or, if the recording is in the New York City boroughs of Manhattan, Bronx, Brooklyn, or Queens, to the ***NYC Department of Finance***? If no recording is required, send your check(s), made payable to the ***Department of Taxation and Finance,*** directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-0045.

Schedule D - Certification of exemption from the payment of estimated personal income tax (Tax Law, Article 22, section 663)

Complete the following only if a fee simple interest or a cooperative unit is being transferred by an individual or estate or trust.

If the property is being conveyed by a referee pursuant to a foreclosure proceeding, proceed to Part II, and check the second box under *Exemptions for nonresident transferor(s)/seller(s)* and sign at bottom.

Part I - New York State residents

If you are a New York State resident transferor(s)/seller(s) listed in Schedule A of Form TP-584 (or an attachment to Form TP-584), you must sign the certification below. If one or more transferors/sellers of the real property or cooperative unit is a resident of New York State, **each** resident transferor/seller must sign in the space provided. If more space is needed, please photocopy this Schedule D and submit as many schedules as necessary to accommodate all resident transferors/sellers.

Certification of resident transferor(s)/seller(s)

This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor(s)/seller(s) as signed below was a resident of New York State, and therefore is not required to pay estimated personal income tax under Tax Law, section 663(a) upon the sale or transfer of this real property or cooperative unit.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date

Note: A resident of New York State may still be required to pay estimated tax under Tax Law, section 685(c), but not as a condition of recording a deed.

Part II - Nonresidents of New York State

If you are a nonresident of New York State listed as a transferor/seller in Schedule A of Form TP-584 (or an attachment to Form TP-584) but are not required to pay estimated personal income tax because one of the exemptions below applies under Tax Law, section 663(c), check the box of the appropriate exemption below. If any one of the exemptions below applies to the transferor(s)/seller(s), that transferor(s)/seller(s) is not required to pay estimated personal income tax to New York State under Tax Law, section 663. **Each** nonresident transferor/seller who qualifies under one of the exemptions below must sign in the space provided. If more space is needed, please photocopy this Schedule D and submit as many schedules as necessary to accommodate all nonresident transferors/sellers.

If none of these exemption statements apply, you must complete Form IT-2663, *Nonresident Real Property Estimated Income Tax Payment Form*, or Form IT-2664, *Nonresident Cooperative Unit Estimated Income Tax Payment Form.* For more information, see *Payment of estimated personal income tax,* on page 1 of Form TP-584-I.

Exemption for nonresident transferor(s)/seller(s)

This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor(s)/seller(s) (grantor) of this real property or cooperative unit was a nonresident of New York State, but is not required to pay estimated personal income tax under Tax Law, section 663 due to one of the following exemptions:

☐ The real property or cooperative unit being sold or transferred qualifies in total as the transferor's/seller's principal residence (within the meaning of Internal Revenue Code, section 121) from _____ (Date) to _____ (Date) *(see instructions)*.

☐ The transferor/seller is a mortgagor conveying the mortgaged property to a mortgagee in foreclosure, or in lieu of foreclosure with no additional consideration.

☐ The transferor or transferee is an agency or authority of the United States of America, an agency or authority of the state of New York, the Federal National Mortgage Association, the Federal Home Loan Mortgage Corporation, the Government National Mortgage Association, or a private mortgage insurance company.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date

Department of Taxation and Finance

Change in Mailing Address for Certain Real Estate Transfer Tax Forms if Using a Private Delivery Service

TP-39
(1/17)

There has been a change to the address that must be used when submitting certain forms through a private delivery service rather than by U.S. Mail.

Send **Form TP-584**, *Combined Real Estate Transfer Tax Return, Credit Line Mortgage Certificate, and Certification of Exemption from the Payment of Estimated Personal Income Tax,* to:

NYS TAX DEPARTMENT
RETT PROCESSING UNIT
90 COHOES AVE
GREEN ISLAND NY 12183-1515

Send **Form TP-588**, *Cooperative Housing Corporation Information Return,* to:

NYS TAX DEPARTMENT
TDAB – TRANSFER TAX
90 COHOES AVE
GREEN ISLAND NY 12183-1515

See Publication 55, *Designated Private Delivery Services,* for information about establishing the date you filed, and for the address to use for other forms.

Department of Taxation and Finance

Important Notice to Home Buyers

TP-41
(6/16)

If you are buying residential property and you plan to make it your primary residence, you may be entitled to school tax relief through the New York State STAR credit. To receive this credit, you must register with the Tax Department after you have taken title to the property. To register or to get more information, visit our website at *www.tax.ny.gov* or call 518-457-2036. Do **not** file an application for the STAR "exemption" with your assessor, since new STAR exemptions will no longer be granted. School tax relief is now provided to new applicants through the STAR credit.

APPENDIX B

IC/EC Surveys

Enclosure 1
Engineering Controls - Standby Consultant/Contractor Certification Form

Site Details **Box 1**

Site No. **152016**

Site Name **Lawrence Aviation Industries**

Site Address: Sheep PastureRoad Zip Code: 11776
City/Town: Port Jefferson Station
County: Suffolk
Site Acreage: 125.8

Reporting Period: January 15, 2020 to January 31, 2025

	YES	NO
1. Is the information above correct?	■	☐
If NO, include handwritten above or on a separate sheet.		
2. To your knowledge has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	■	☐
3. To your knowledge has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	■
4. To your knowledge have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	■	☐

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.
Building permit 23B154748 for proposed building demolition is attached to the last page of this certification

	YES	NO
5. To your knowledge is the site currently undergoing development?	☐	■

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	■	☐
7. Are all ICs/ECs in place and functioning as designed?	■	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

Signature of Standby Consultant/Contractor Date

SITE NO. 152016 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
0200159000200008000	LAWRENCE FOUNDATION	
		Monitoring Plan
		O&M Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
0200159000200008000	
	Fencing/Access Control
	Groundwater Treatment System
	Groundwater Containment
	Monitoring Wells

On-site and downgradient pump and treat systems.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification, including data and material prepared by previous contractors for the current certifying period, if any;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
■	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) nothing has occurred that would constitute a failure to comply with the Site Management Plan, or equivalent if no Site Management Plan exists.

YES	NO
■	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

_____ _____

Signature of Standby Consultant/Contractor Date

Box 6

IC/EC CERTIFICATIONS

Professional Engineer Signature

I certify that all information in Boxes 2 through 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Thomas Battles at HRP Associates, Inc.
print name

197 Scott Swamp Road

Farmington, CT 06032,
(print business address)

am certifying as a Professional Engineer.

Thomas Battles

Signature of Professional Engineer

STATE OF NEW YORK
THOMAS R. BATTLES
091204
LICENSED PROFESSIONAL ENGINEER

Date 2/28/2025

Town of Brookhaven

One Independence Hill, Farmingville, NY 11738

BUILDING

PERMIT

23B154748 Expires: 01/24/2024

This is not a Certificate of Occupancy

LOCATION: 0 SOUNDVIEW AVE, EAST SETAUKET

SCTM: 0200159000100026000

ISSUED: 10/26/2023

Item Number: 8617370

DESCRIPTION:

Proposed demolition of approx. 16' x 60' building and sanitary systems on site as per site plan submitted by Highground Industrial LLC. Slab and foundation to remain.

NYS DOL Permit/Variance required to be submitted to this office prior to commencement of construction.

Suffolk County WWM Sanitary System Removal Certification to be submitted to Building inspector for review and approval.

* Note: Permit required to legalize existing DEC/EPA Pump house.

Minimum two inspections required,

First Inspection: Clean Hole/Clean Fill to verify debris removal, and fill is free of contaminates as required in Chapter 72 (See Attached) prior to backfilling and grading.

Second Inspection: Backfilling Inspection to verify that the excavation has been filled, and the site is left clear of all debris and left in a safe condition.

You must schedule an inspection with a Building Inspector. A checklist indicating required documentation will be forwarded to the owner/agent upon completion of final inspection. A Certificate of Occupancy/Compliance is required and will be issued after the final inspection and all required documents have been received by the Building Division.

Per Chapter 50-6 Prohibited Acts: Construction operating or permitting the operation of any tools or equipment used in construction, drilling, earth moving, excavating or demolition work is prohibited between the hours of 6:00 p. m. and 7:00 a.m., the following day on weekdays or at any time on weekends or legal holiday. Please visit www.brookhaven.org for detailed information regarding New York State and Local Laws.

This permit must be kept posted in a conspicuous place on the premised for which it is issued.

BC_WEBPERMIT

Town of Brookhaven

One Independence Hill, Farmingville, NY 11738

BUILDING

PERMIT

23B154745 Expires: 01/24/2024

This is <u>not</u> a Certificate of Occupancy

LOCATION: 0 RTE 25A BY-PASS, PORT JEFF STA

SCTM: 0200159000200019000

ISSUED: 10/26/2023

Item Number: 8703021

DESCRIPTION:

Proposed demolition of all buildings and sanitary systems on site as per site plan submitted by Highground Industrial LLC. Slabs and foundations to remain. Includes buildings under CO No.'s 97965, 94954, 87963, 58338, 57536, 112745, 105986, 105985, 105984, and open permit No. 153327, and any illegal structures built without benefit of a building permit.

NYS DOL Permit/Variance required to be submitted to this office prior to commencement of construction.

Suffolk County WWM Sanitary System Removal Certification to be submitted to Building inspector for review and approval.

Minimum two inspections required,

First Inspection: Clean Hole/Clean Fill to verify debris removal, and fill is free of contaminates as required in Chapter 72 (See Attached) prior to backfilling and grading.

Second Inspection: Backfilling Inspection to verify that the excavation has been filled, and the site is left clear of all debris and left in a safe condition.

You must schedule an inspection with a Building Inspector. A checklist indicating required documentation will be forwarded to the owner/agent upon completion of final inspection. A <u>Certificate of Occupancy/Compliance is required</u> and will be issued <u>after</u> the final inspection and all required documents have been received by the Building Division.

Per Chapter 50-6 Prohibited Acts: Construction operating or permitting the operation of any tools or equipment used in construction, drilling, earth moving, excavating or demolition work is prohibited between the hours of 6:00 p. m. and 7:00 a.m., the following day on weekdays or at any time on weekends or legal holiday. Please visit www.brookhaven.org for detailed information regarding New York State and Local Laws.

This permit must be kept posted in a conspicuous place on the premised for which it is issued.

BC_WEBPERMIT

Town of Brookhaven

One Independence Hill, Farmingville, NY 11738

BUILDING

PERMIT

23B154746 Expires: 01/24/2024

This is <u>not</u> a Certificate of Occupancy

LOCATION: 0 OAK ST, PORT JEFF STA

SCTM: 0200136000200022000

ISSUED: 10/26/2023

Item Number: 8703010

DESCRIPTION:

Proposed demolition of all buildings, and sanitary systems on premises. Slabs and foundations to remain. All structures illegally existing: approx. 50' x 30' barn, 12' x 18' shed, 6' x 12' guard booth.

NYS DOL Permit/Variance required to be submitted to this office prior to commencement of construction.

Suffolk County WWM Sanitary System Removal Certification to be submitted to Building inspector for review and approval.

Minimum two inspections required,

First Inspection: Clean Hole/Clean Fill to verify debris removal, and fill is free of contaminates as required in Chapter 72 (See Attached) prior to backfilling and grading.

Second Inspection: Backfilling Inspection to verify that the excavation has been filled, and the site is left clear of all debris and left in a safe condition.

You must schedule an inspection with a Building Inspector. A checklist indicating required documentation will be forwarded to the owner/agent upon completion of final inspection. A <u>Certificate of Occupancy/Compliance is required</u> and will be issued <u>after</u> the final inspection and all required documents have been received by the Building Division.

Per Chapter 50-6 Prohibited Acts: Construction operating or permitting the operation of any tools or equipment used in construction, drilling, earth moving, excavating or demolition work is prohibited between the hours of 6:00 p. m. and 7:00 a.m., the following day on weekdays or at any time on weekends or legal holiday. Please visit www.brookhaven.org for detailed information regarding New York State and Local Laws.

This permit must be kept posted in a conspicuous place on the premised for which it is issued.

BC_WEBPERMIT

Town of Brookhaven
Long Island

BUILDING PERMIT
24B154748

Issued: 1/18/2024
Expires: 04/23/2024

SCTM Number: 0200159000100026000
Item Number: 8617370

Permission Is Hereby Granted To:
Owner: SCLB HOLDINGS LLC
c/o SCLB HOLDINGS LLC
100 VETERANS HWY, 11TH FLOOR
HAUPPAUGE, NY 11788

For The Following:
Proposed demolition of approx. 16' x 60' building and sanitary systems on site as per site plan submitted by Highground Industrial LLC. Slab and foundation to remain.

NYS DOL Permit/Variance required to be submitted to this office prior to commencement of construction.
Suffolk County WWM Sanitary System Removal Certification to be submitted to Building inspector for review and approval.

* Note: Permit required to legalize existing DEC/EPA Pump house.
Minimum two inspections required,
First Inspection: Clean Hole/Clean Fill to verify debris removal, and fill is free of contaminates as required in Chapter 72 (See Attached) prior to backfilling and grading.
Second Inspection: Backfilling Inspection to verify that the excavation has been filled, and the site is left clear of all debris and left in a safe condition.

Located At : 0 SOUNDVIEW AVE, EAST SETAUKET

BZA Case Number: **BZA Meeting Date:**

Flood Zone: X **Zone 1:** L1 **Zone 2:** L1

Fee Collected : **$76.47**

This is NOT a Certificate of Occupancy

Upon completion of each construction phase, YOU must schedule an inspection with a Building Inspector. A checklist indicating exactly what documentation will be required will be forwarded to the applicant after the final inspection is completed. A Certificate of Occupancy/Compliance will be issued AFTER all required documents have been submitted to the Building Division.

Town of Brookhaven

One Independence Hill, Farmingville, NY 11738

BUILDING

PERMIT

24B154748 Expires: 04/23/2024

This is not a Certificate of Occupancy

LOCATION: 0 SOUNDVIEW AVE, EAST SETAUKET

SCTM: 0200159000100026000

ISSUED: 1/18/2024

Item Number: 8617370

DESCRIPTION:

Proposed demolition of approx. 16' x 60' building and sanitary systems on site as per site plan submitted by Highground Industrial LLC. Slab and foundation to remain.

NYS DOL Permit/Variance required to be submitted to this office prior to commencement of construction.

Suffolk County WWM Sanitary System Removal Certification to be submitted to Building inspector for review and approval.

* Note: Permit required to legalize existing DEC/EPA Pump house.

Minimum two inspections required,

First Inspection: Clean Hole/Clean Fill to verify debris removal, and fill is free of contaminates as required in Chapter 72 (See Attached) prior to backfilling and grading.

Second Inspection: Backfilling Inspection to verify that the excavation has been filled, and the site is left clear of all debris and left in a safe condition.

You must schedule an inspection with a Building Inspector. A checklist indicating required documentation will be forwarded to the owner/agent upon completion of final inspection. A Certificate of Occupancy/Compliance is required and will be issued after the final inspection and all required documents have been received by the Building Division.

Per Chapter 50-6 Prohibited Acts: Construction operating or permitting the operation of any tools or equipment used in construction, drilling, earth moving, excavating or demolition work is prohibited between the hours of 6:00 p. m. and 7:00 a.m., the following day on weekdays or at any time on weekends or legal holiday. Please visit www.brookhaven.org for detailed information regarding New York State and Local Laws.

This permit must be kept posted in a conspicuous place on the premised for which it is issued.

Town of Brookhaven
Long Island

BUILDING PERMIT
24B154746

Issued: 1/18/2024
Expires: 04/23/2024

SCTM Number: 0200136000200022000
Item Number: 8703010

Permission Is Hereby Granted To:
Owner: SCLB HOLDINGS LLC
c/o SCLB HOLDINGS LLC
100 VETERANS HWY, 11TH FLOOR
HAUPPAUGE, NY 11788

For The Following:
Proposed demolition of all buildings, and sanitary systems on premises. Slabs and foundations to remain. All structures illegally existing: approx. 50' x 30' barn, 12' x 18' shed, 6' x 12' guard booth.

NYS DOL Permit/Variance required to be submitted to this office prior to commencement of construction.
Suffolk County WWM Sanitary System Removal Certification to be submitted to Building inspector for review and approval.
Minimum two inspections required,
First Inspection: Clean Hole/Clean Fill to verify debris removal, and fill is free of contaminates as required in Chapter 72 (See Attached) prior to backfilling and grading.
Second Inspection: Backfilling Inspection to verify that the excavation has been filled, and the site is left clear of all debris and left in a safe condition.

Located At : 0 OAK ST, PORT JEFF STA

BZA Case Number: **BZA Meeting Date:**

Flood Zone: X **Zone 1:** L1 **Zone 2:** L1

Fee Collected : **$76.47**

This is NOT a Certificate of Occupancy

Upon completion of each construction phase, YOU must schedule an inspection with a Building Inspector. A checklist indicating exactly what documentation will be required will be forwarded to the applicant after the final inspection is completed. A Certificate of Occupancy/Compliance will be issued AFTER all required documents have been submitted to the Building Division.

Town of Brookhaven

One Independence Hill, Farmingville, NY 11738

BUILDING

PERMIT

24B154746 Expires: 04/23/2024

This is not a Certificate of Occupancy

LOCATION: 0 OAK ST, PORT JEFF STA

SCTM: 0200136000200022000

ISSUED: 1/18/2024

Item Number: 8703010

DESCRIPTION:

Proposed demolition of all buildings, and sanitary systems on premises. Slabs and foundations to remain. All structures illegally existing: approx. 50' x 30' barn, 12' x 18' shed, 6' x 12' guard booth.

NYS DOL Permit/Variance required to be submitted to this office prior to commencement of construction.

Suffolk County WWM Sanitary System Removal Certification to be submitted to Building inspector for review and approval.

Minimum two inspections required,

First Inspection: Clean Hole/Clean Fill to verify debris removal, and fill is free of contaminates as required in Chapter 72 (See Attached) prior to backfilling and grading.

Second Inspection: Backfilling Inspection to verify that the excavation has been filled, and the site is left clear of all debris and left in a safe condition.

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Town of Brookhaven
Long Island

BUILDING PERMIT
24B154745

Issued: 1/18/2024 **SCTM Number:** 0200159000200019000
Expires: 04/23/2024 **Item Number:** 8703021

Permission Is Hereby Granted To:
Owner: SCLB HOLDINGS LLC
c/o SCLB HOLDINGS LLC
100 VETERANS HWY, 11TH FLOOR
HAUPPAUGE, NY 11788

For The Following:
Proposed demolition of all buildings and sanitary systems on site as per site plan submitted by Highground Industrial LLC. Slabs and foundations to remain. Includes buildings under CO No.'s 97965, 94954, 87963, 58338, 57536, 112745, 105986, 105985, 105984, and open permit No. 153327, and any illegal structures built without benefit of a building permit.

NYS DOL Permit/Variance required to be submitted to this office prior to commencement of construction.
Suffolk County WWM Sanitary System Removal Certification to be submitted to Building inspector for review and approval.
Minimum two inspections required,
First Inspection: Clean Hole/Clean Fill to verify debris removal, and fill is free of contaminates as required in Chapter 72 (See Attached) prior to backfilling and grading.
Second Inspection: Backfilling Inspection to verify that the excavation has been filled, and the site is left clear of all debris and left in a safe condition.

Located At : 0 RTE 25A BY-PASS, PORT JEFF STA

BZA Case Number: **BZA Meeting Date:**

Flood Zone: X **Zone 1:** L1 **Zone 2:** L1

Fee Collected : **$76.47**

This is NOT a Certificate of Occupancy

Upon completion of each construction phase, YOU must schedule an inspection with a Building Inspector. A checklist indicating exactly what documentation will be required will be forwarded to the applicant after the final inspection is completed. A Certificate of Occupancy/Compliance will be issued AFTER all required documents have been submitted to the Building Division.

Town of Brookhaven

One Independence Hill, Farmingville, NY 11738

BUILDING

PERMIT

24B154745 Expires: 04/23/2024

This is not a Certificate of Occupancy

LOCATION: 0 RTE 25A BY-PASS, PORT JEFF STA

SCTM: 0200159000200019000

ISSUED: 1/18/2024

Item Number: 8703021

DESCRIPTION:

Proposed demolition of all buildings and sanitary systems on site as per site plan submitted by Highground Industrial LLC. Slabs and foundations to remain. Includes buildings under CO No.'s 97965, 94954, 87963, 58338, 57536, 112745, 105986, 105985, 105984, and open permit No. 153327, and any illegal structures built without benefit of a building permit.

NYS DOL Permit/Variance required to be submitted to this office prior to commencement of construction.

Suffolk County WWM Sanitary System Removal Certification to be submitted to Building inspector for review and approval.

Minimum two inspections required,

First Inspection: Clean Hole/Clean Fill to verify debris removal, and fill is free of contaminates as required in Chapter 72 (See Attached) prior to backfilling and grading.

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You must schedule an inspection with a Building Inspector. A checklist indicating required documentation will be forwarded to the owner/agent upon completion of final inspection. A Certificate of Occupancy/Compliance is required and will be issued after the final inspection and all required documents have been received by the Building Division.

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