Town of Islip

Site Characterization Report

Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY
Site No. 152251

December 2022

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Certification

"I Christopher Engler certify that I am currently a NYS registered professional engineer or Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications."

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Acronyms and Abbreviations

AFFF	aqueous film-forming foam
AOPC	area of potential concern
AWQS	Ambient Water Quality Standard
CAMCO	Central Aviation & Marine Corporation
CSM	conceptual site model
bls	below land surface
DPT	direct push technology
FEMA	Federal Emergency Management Agency
FTOHs	fluorotelomer alcohol
ft	feet
IDW	investigation-derived waste
ISP	Long Island MacArthur Airport
µg/kg	micrograms per kilogram
mg/kg	milligrams per kilogram
ng/L	nanograms per liter
NWI	National Wetland Inventory
PCBs	polychlorinated biphenyls
PFAS	per- and poly-fluorinated alkyl substances
PFCAs	perfluorinated carboxylates
PFHxS	Perfluorohexane sulfonate
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
PFSAs	perfluorinated sulfonates
QA/QC	quality assurance/quality control
RSR	Record Search Report
SCWP	Site Characterization Work Plan
SCR	Site Characterization Report
SCG	Standards, Criteria and Guidance values
SVOC	semi-volatile organic compound

TDS	total dissolved solids
TOC	total organic carbon
TOGS	Technical and Operational Guidance Series
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VOC	volatile organic compound

1 Introduction

On behalf of the Town of Islip (Town), Arcadis of New York, Inc. (Arcadis) has prepared this Site Characterization Report (SCR) as part of the site characterization (SC) process for the Long Island MacArthur Airport (ISP or Site). The Site is presently classified as Class "P" in the New York State Superfund Registry of Inactive Hazardous Waste Disposal Sites. The "P" listing followed the February 2018 detection of perfluorooctanesulfonic acid (PFOS) in water samples collected from an off-Site Suffolk County Water Authority (SCWA) public supply well, located in Bohemia, New York (NYSDEC 2018a). The SC was required by the New York State Department of Environmental Conservation (NYSDEC) pursuant to the Order on Consent (Index R1-20180228) (Order) (NYSDEC 2019a), executed between the Town and the NYSDEC on May 23, 2019. Following execution of the Order, Arcadis submitted the Record Search Report (RSR) (Arcadis 2019) and the Site Characterization Work Plan (SCWP) (Arcadis 2020) to the NYSDEC on March 8, 2020. The SCWP was approved by the NYSDEC on April 16, 2020. This SCR was prepared in accordance with the Order and presents the data and findings of the SC.

1.1 Scope of Site Characterization

SC field activities were conducted between February and October 2021. The SC was conducted in accordance with the scope of work and methodologies described in the SCWP (Arcadis 2020). A total of 12 of the 15 areas of potential concern (AOPCs) identified in the SCWP were investigated during the SC (see Section 1.2). Historical usage and rationale of SC for each AOPC are summarized in **Table 1**. The AOPCs investigated as part of the SC are listed below:

Table 1-1. Areas of Potential Concern Investigated During Site Characterization

AOPC 01 (Recharge Basin #1)	AOPC 07 (Taxiway Runoff Area #1)
AOPC 02 (Recharge Basin #2)	AOPC 08 (Glycol Treatment Plant)
AOPC 03 (Fire Training Area #1)	AOPCs 09/10 (Excelaire/Modern Aviation (formerly known as Sheltair))
AOPC 04 (Fire Training Area #2)	AOPC 11 (Hertz/Avis/Budget)
AOPC 05 (Equipment Cleanout Area)	AOPC 12 (Whitney Hangar)
AOPC 06 (Old Fire House)	AOPC 14: (Composting Facility)

The remaining two AOPCs listed below are presently being evaluated under separate programs (see Section 2.5) and therefore are not included in this SCR.

- AOPC 13: (Central Aviation & Marine Corporation [CAMCO])
- AOPC 15: (New York Army National Guard Aviation Unit [Army National Guard])

This SCR is a required element of the SC process and has also been prepared to satisfy the technical requirements of NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

1.2 Site Characterization Objectives

As stated in the SCWP, the primary objective of the SC is to determine whether releases have occurred at the Site that warrant a change in the current NYSDEC classification. Specific SC objectives are listed below.

- Determine if historical usage or storage of PFAS or other hazardous substances have occurred.
- Determine if releases of PFAS or other hazardous substances have occurred that have impacted soil, sediment, stormwater or groundwater.
- Determine if PFAS or other hazardous substances exceed relevant Standards, Criteria and Guidance values (SCGs) in the media investigated and identify the constituents of concern.
- Determine the shallow groundwater flow direction beneath the Site.
- Identify AOPCs that warrant further investigation.
- Develop the conceptual site model (CSM) related to constituents of concern.

2 Site Background

This section summarizes the Site description and history, along with regional and Site-specific geology and hydrogeology, and previous investigations.

2.1 Site Description

The Site is located at 100 Arrival Avenue in the hamlet of Ronkonkoma, Town of Islip, New York (**Figure 1**). According to the Order and the Suffolk County GIS Viewer, the Site is identified under parcel number 500-106-1-6.9 and is owned by the Town of Islip. The Site is an active regional airport and consists of a complex of buildings and structures positioned on approximately 1,311 acres (L&B and JKL 2016). The airport facility serves commercial and general aviation flights. As shown on **Figure 2,** the airport terminal, associated buildings, and parking are in the southern portion of the Site. The central portion of the Site is primarily comprised of runway and taxiway infrastructure. The western portion of the Site is predominantly occupied by fixed based operator (FBO) facilities (lessees of the Town).

2.2 Site History

Based on review of historical aerial photographs, prior to 1947, the Site was undeveloped grassland. In 1942, the Town contracted with the federal government to build an airfield on the Site (NYSDEC 2018b). The first airport related features appear on historical aerial photographs in 1947. By 1985, the airport terminal and associated structures appear comparable to their present-day locations.

Central Aviation and Marine Corporation (CAMCO) occupies 2125 Smithtown Avenue as an aircraft overhaul and repair facility from before World War II until 1996. The New York Army National Guard Aviation Unit (Army National Guard) moved to ISP in the early 1970's, where it was designated as Army Aviation Support Facility (AASF) #1. Army National Guard currently operates at the Site, supporting an assault helicopter battalion and an aviation support battalion (Section 2.5).

2.3 Physical Setting

The Site is bounded to the north by the Long Island Railroad facility and Railroad Avenue; to the west by Smithtown Avenue with commercial and industrial use; to the east by Lincoln Avenue with residential and commercial use; and to the south by Veterans Memorial Highway with commercial and industrial use.

Natural surface water bodies are not present on or adjacent to the Site. The nearest water body, Lake Ronkonkoma, is located approximately 1.4 miles northwest of the Site. There are no National Wetland Inventory (NWI) or state mapped wetlands located at the Site; and the Site is not located within a 500-year or 100-year Federal Emergency Management Agency (FEMA) flood zone. Two man-made recharge basins were excavated in the southern portion of the Site.

Based on a storm water run-off map provided by the Town (**Appendix A**), three (3) AOPCs (**Figure 2**) receive the majority of on-Site stormwater runoff (Arcadis 2019):

- AOPC 01 (Recharge Basin #1),
- AOPC 02 (Recharge Basin #2) and

- AOPC 07 (Taxiway Runoff Area #1).

2.4 Regional Geology and Hydrogeology

The unconsolidated geologic deposits underlying Suffolk County consist of clay, silt, sand, and gravel that overlie southward-dipping consolidated bedrock (consists mainly of Precambrian age granite, gneiss, and schist). The overlying unconsolidated sediments were deposited during the Cretaceous age and form, in ascending order, the Raritan and Magothy Formations. During the Pleistocene period, glacial meltwater deposited outwash material forming what is presently known as the Upper Glacial aquifer (King and Beikman 1974).

Published data indicate that the horizontal hydraulic conductivity of the Upper Glacial aquifer in the MacArthur Airport area is approximately 1,500 to 2,000 gpd/ft^2 (McClymonds and Franke 1972), equivalent of 200 to 267 ft/day. The direction of groundwater flow in the Upper Glacial aquifer proximal to the Site is to the south-southwest based on a regional water table map developed by the United States Geological Survey (USGS) and others (Monti et al 2013; Dressler 2015). The groundwater flow direction may vary locally due to the influence of pumping supply wells.

Based on information obtained from FOILs and from the USGS, a total of seventeen (17) monitoring wells were identified on-Site. In addition, two (2) public supply wellfields are located southeast and southwest of the Site. Section 3.4.1 and **Table 8** provide available information regarding on-Site monitoring wells; **Figure 2** shows the approximate locations of on-Site wells. Section 6 of the SCR presents a discussion of how the Site fits into the regional hydrogeologic framework and provides corroborating site-specific data describing groundwater flow.

2.5 Other Investigations

Previous investigations at the Site were described in the RSR and SCWP. In addition, the following other investigations were conducted or are in progress:

- AOPC 13 (CAMCO) is located at western portion of ISP with an address of 2125 Smithtown Avenue, Ronkonkoma NY. The Town entered an Order of Consent with the NYSDEC on March 30, 2012, as NYSDEC Hazardous Substance Waste Disposal Site Inventory Site No. 152206. Site investigation and remediation activities have been conducted. A Site Management Plan is in place for this site and the NYSDEC issued a Satisfactory Completion/No Further Action Letter for the site on July 2, 2016.
- AOPC 14 (Composting Facility) is a Town-owned parcel that is located at the northern boundary of ISP. The site was evaluated under a separate due diligence activity (Phase I Environmental Site Assessment [ESA]) by the Town as part of potential future parcel redevelopment. The 2019 Phase I ESA performed by Arcadis identified two (2) recognized environmental conditions (RECs): slop sink discharge and front-end loader staining. The documents reviewed, interviews, and site reconnaissance performed as part of the ESA did not indicate past or current usage or storage of AFFF. Within the active composting facility footprint, further investigation was not recommended. It was suggested that sediment samples be collected from the associated sedimentation pond and recharge basins located to south of the active composting facility footprint because they apparently receive runoff from the active composting facility. Documentation of materials received at the facility was not available at the time of the ESA.
- AOPC 15 (Army National Guard) is located at the southeastern portion of ISP. As of October 2021, the Army National Guard plans to perform a PFAS investigation at the AASF #1 site. Field work for the investigation is

expected to begin in November 2021; it is our understanding that a report will be prepared by others on behalf of the Army National Guard with an anticipated submittal date in the second quarter of 2022.

3 Site Characterization

Additional details regarding sample collection and analysis are provided in **Tables 2** and **3**. **Figure 2** provides completed sampling locations. SC activities consisted of the following:

- Drilling of 22 soil borings. Of these, nine (9) soil borings were drilled to serve as temporary wells to allow for the collection of groundwater grab samples and eight (8) soil borings were converted to permanent monitoring wells.
- Collection of 28 soil samples from 13 soil borings.
- Collection of six (6) sediment samples.
- Collection of two (2) stormwater samples.
- Installation of eight (8) permanent on-Site monitoring wells.
- In May 2020 as part of the SC's initial assessment of on-Site monitoring wells, water-levels were collected from four (4) existing monitoring wells. In August 2021, synoptic water-levels were collected from eight (8) new monitoring wells and four (4) existing monitoring wells (**Table 8**).
- Collecting groundwater samples from the eight (8) monitoring wells.

Descriptions of the activities related to site preparation, investigation, sample collection and analysis, surveying, and investigation-derived waste (IDW) are provided in sections below.

3.1 Variances from the SCWP

An alternative drilling/sampling methodology was proposed prior to intrusive work. Direct push technology (DPT) along with the use of the Screen Point 22 (SP22) sampler for groundwater grab sample collection was used, per an addendum to the SCWP. The addendum was approved by NYSDEC on March 3, 2021 (Arcadis 2021; NYSDEC 2021a).

Variances from the SCWP are summarized as follows:

- AOPC 05: Collected three (3) surface soil samples (SED 5-1, SED 5-2, and SED 5-3) in lieu of soil boring (SO 5-2) due to H&S concerns associated with dense subsurface utilities.
- AOPC 07: The sandy runoff area proposed for drilling at AOPC 07 was determined to be inaccessible for the Geoprobe rig. Soil Boring SO 7-1 was therefore moved southeast by approximately 40 ft. Sediment Sample (SED 7-1) was also collected from the sandy runoff area.
- Selected soil samples were submitted for analysis of Total Organic Carbon (TOC) and Total Petroleum Hydrocarbon (TPH) to support the evaluation of PFAS concentrations in soil as well as historical fire training in the identified AOPCs. **Table 4** presents the results.

3.2 Pre-Field Preparation

Site Characterization activities were conducted on Town property. Prior to mobilization, field personnel received airport security training and Airport Operations Area (AOA) badges. Arcadis established a staging and decontamination area in March 2021 near Gate 78. The staging area was used for storage of work vehicles, drill

rigs, decontamination equipment and investigation derived waste (IDW) throughout the SC. Prior to SC activities located in the secured part of the airport (AOCP 03, AOPC 04, AOPC 05, AOPC 06, AOPC 07, AOPC 12, ISP MW-01 and ISP MW 9-1), field staff and subcontractors followed the site security protocols established by the ISP during check-in with the Site security guard at Gate 78.

Prior to intrusive work, subsurface utilities were located following the site-specific HASP in the SCWP. Ground Penetrating Radar Systems *(*GPRS) and Blood Hound Utility Locating (Blood Hound) were subcontracted to perform the utility locating services*.* The AOPCs and proposed sitewide monitoring well locations were inspected to field verify proposed drilling locations prior to intrusive work. Additionally, available utility drawings were reviewed, and knowledgeable facility personnel were interviewed when possible.

For quality control purposes, a single sample from the hydrant water was collected on February 25, 2021 (**Table 5**) to document the concentrations of PFAS (if any) in the drilling fluid. Arcadis' subcontractor Cascade-Aquifer Drilling and Testing, Inc. (Cascade/ADT) utilized their existing permit provided by Suffolk County to access the on-Site fire hydrant previously approved for use by ISP for potable water supply.

3.3 Soil Investigation

Soil borings were drilled in conjunction with either groundwater grab or monitoring well locations. Arcadis contracted Cascade/ADT to perform environmental drilling services. Boreholes drilled in conjunction with groundwater grab samples used DPT. Boreholes drilled in conjunction with monitoring well installation used sonic drilling techniques.

For both DPT and sonic methods, Cascade/ADT hand cleared to five feet below land surface (ft bls). The boring was then drilled, with continuous soil core collection to the terminal depth. Soil cores were examined, and the geology was logged following the procedures described in the SCWP. Samples were collected in accordance with the SCWP. Boreholes were backfilled with grout, a mixture of bentonite and Portland cement. Soil sample/core logs are provided in **Appendix B**.

3.4 Groundwater Investigation

3.4.1 Water-Level Measurements

In May 2020, Arcadis inspected on-Site monitoring wells and collected water-level measurements from usable wells as per the SCWP. Of the 17 monitoring wells identified in the RSR, four (4) monitoring wells (specifically, Wells MW 13-2, MW 13-4, MW 13-6 and TRC-AV1) were located and determined to be usable for water-level measurements based on criteria for usability described in SCWP as listed below.

Wells meeting the following criteria considered usable for this SC:

- *Complete well construction information, including total well depth, screen interval, materials of well construction (i.e., casing and screen). During the well inspection, the well will be sounded to confirm the total depth and the depth-to-water will be recorded.*
- *Record of drilling and installation method, development method, and historical sampling records.*
- *Secure manhole cover and sanitary seal.*

Wells that do not meet one or more of the above criteria will not be used for the SC.

The remaining 13 wells were not located during the 2020 inspection. The depth to water was measured from these four wells on May 21, 2020 (**Table 8**).

In August 2021, a synoptic water-level measurement event was performed from the eight new and the four existing monitoring wells (**Table 8**).

Depth-to-water was measured to the nearest one-hundredth of a foot from the measuring point at the top of the inner casing, using the procedures described in the SCWP. Depth-to-water measurements were converted to water-level elevations using the surveyed measuring point elevations. Further information on water-level elevations and groundwater flow are discussed in Section 5.3.

3.4.2 Groundwater Screening

Groundwater grab samples were collected from nine (9) locations (**Figure 2**) using the DPT procedures described in the SCWP addendum (Arcadis 2021). **Table 3** provides details for sample identification, sampling depth and analyses performed. The groundwater grab samples were collected using the SP22 on DPT drill rig.

3.4.3 Monitoring Well Installation and Groundwater Sampling

Eight (8) shallow, permanent monitoring wells were drilled and installed by Cascade/ADT using sonic drilling methods. Potable water was used as drilling fluid during drilling (**Table 5** and **Figure 2**). Following installation, permanent monitoring wells were developed by pumping and surging using the procedures described in the SCWP. **Appendix C** provides well construction logs and well development logs.

Groundwater sampling was conducted two weeks after completion of monitoring well development to allow for a period of equilibration. The monitoring wells were then purged and sampled following procedures described in the SCWP. **Appendix D** provides groundwater sampling logs.

3.4.4 Monitoring Well Survey

New monitoring wells were surveyed following installation by subcontractor RLT Engineering, Geology & Land Surveying. The ground surface elevation of each location was referenced to the North American Vertical Datum of 1988 (NAVD 88) system and the horizontal coordinates were reported in the New York State Plane Coordinate System, Long Island Zone, North American Datum of 1983 (NAD 83). Survey data are provided in **Appendix E**.

3.5 Stormwater and Sediment Investigation

3.5.1 Stormwater Sampling

Two (2) stormwater samples (SW 1-1 and SW 2-1) were collected from recharge basin inlets at AOPC 01 and AOPC 02. The sampling event was completed in April 2021. Stormwater samples were collected using a swing sampler attached to appropriate laboratory-supplied containers, in accordance with the SCWP.

Stormwater samples were not collected from AOPC 03 and AOPC 04 as stormwater drainage structures were not observed in the area and standing water was not observed in the low-lying area.

3.5.2 Sediment Sampling

Sediment samples were collected using a stainless-steel hand auger from the upper two (2) feet of the recharge basins (AOPC 01 and AOPC 02) and from swales identified at (AOPCs 03, 04, 05, and 06). Sediment was examined for visual indication of impacts, and the geology was logged following procedures described in the SCWP.

Additional details regarding sediment sample collected for the specific AOPCs are provided below:

- AOPC 01 and AOPC 02: Two (2) sediment samples were collected. Selection of the locations for sampling was based on consideration of objectives of SC (i.e., identification of presence/absence of potential contaminants and the relatively small size of the recharge basins). The analytical results of sediment samples are discussed in Section 3.6.

  AOPC 06: Two (2) sediment samples were collected from drainage structures associated with the former fire house. One (1) stormwater drain was identified in a grassy area northwest of the former fire house. A sediment sample could not be collected at this location, as the drain bottom was composed of concrete and pebbles. One (1) surface soil sample was collected from the grass area upgradient of the drain.

  ISP indicated that a cesspool associated with the former fire house had been closed under the supervision of Suffolk County Department of Health. The cesspool was located and determined to be backfilled and abandoned, therefore a sediment sample was not collected.

3.6 Investigation Derived Waste

Purge water, drill cuttings, drilling fluid, and used personal protection equipment (PPE) generated during investigation activities were containerized (e.g., 55-gallon steel drums) and staged at a drum staging area on the airport property designated by ISP. Waste profiles were generated using analytical results and are provided in **Appendix F**. IDW was transported and disposed by Clean Harbors Environmental Inc. at their permitted facilities. Final manifests will be provided to the NYSDEC in an SCR addendum once received from the receiving facility.

3.7 Air Monitoring

Community air monitoring was performed in accordance with the CAMP and including monitoring for VOCs and dust during intrusive activities. The CAMP data (**Appendix G**) indicated no sustained exceedances of CAMP action levels.

4 Data Management and Validation

This section discusses the field and laboratory quality assurance (QA)/quality control (QC) procedures implemented during the SC.

4.1 Special Considerations for PFAS Sampling

The detection of PFAS compounds, including very low concentrations, can be influenced by cross contamination including from common PFAS-containing materials that may be inadvertently present at the sampling site. Since drilling fluid (i.e., potable water) can be a common source for the inadvertent introduction of low levels of PFAS, a sample was collected from the fire hydrant water (**Figure 2**) before the SC field activities started and analyzed for PFASs. The fire hydrant located at the southeastern portion of the Site was used to supply drilling water for Sonic drilling. A water sample was also collected from the portable water tote that was used by driller to containerize and transport potable water from the fire hydrant to the drilling locations. The tote water sample was analyzed for PFAS, 1,4-dioxane, VOCs, SVOCs, PCBs, Herbicides and Pesticides. **Table 5** provides the results of the hydrant and tote water samples.

4.2 Field Methods

SC activities were performed, including the sample collection and analytical laboratory testing, in accordance with the QAPP of the SCWP, the SOPs and TGIs included in the FSP of the SCWP, and the approved scope and sampling methods outlined in SCWP and the addendum. Sampling protocols were strictly followed by the sampling personnel in accordance with the SCWP. The sampling methods described in the SOPs and TGIs establish the equipment requirements, procedures for preparing equipment and containers before sampling, sampling procedures under various conditions, and procedures for storing samples to ensure that cross-contamination did not occur during collection and transport. In general, decontamination procedure was performed on any non-dedicated reusable sampling equipment prior to sampling following procedures specified in the FSP of the SCWP. Pre-cleaned sample containers were provided by the laboratory. Following sample collection, sample containers were labelled, immediately preserved on ice per the QAPP and sent to the laboratory under sample chain-of-custody procedures. Field forms were used to document field activities and are included in the appendices of this SCR.

4.3 Laboratory Methods and Analysis

Sediment, soil, stormwater, and groundwater samples were analyzed by TestAmerica Laboratories, Inc., a NYSDOH-approved and ELAP certified laboratory, for the analysis and analytical method specified in the SCWP. **Table 3** provides list of analytes for each sample collected.

QA/QC samples, including trip blanks, field (equipment rinsate) blanks, blind (field) replicate, matrix spike and matrix spike duplicate samples were collected at a frequency specified in the QAPP of the SCWP. Field reagent blanks, which are required for sampling of PFAS, were also collected in accordance with the FSP.

4.4 Data Validation

Data obtained during the field sampling and analysis activities were reviewed by an independent data validator for usability including determining if the data met the data quality objectives for accuracy, precision, representativeness, completeness, and comparability, by following the QAPP. The laboratory deliverables were also reviewed for accuracy, precision, completeness, and overall quality. Data usability summary report (DUSRs) were prepared at the conclusion of validation and are provided in **Appendix H**. NYSDEC Category B laboratory data package deliverables are provided as **Appendix I**. It is the opinion of the data validator that the analytical data generated from samples collected and analyzed as part the SCR underwent a thorough data review process in accordance with QAPP requirements. Based on the data validation, the data are considered acceptable for the intended purpose.

5 Results and Data Evaluation

This section provides a summary of the soil, sediment, groundwater, and stormwater results associated with the SC activities. The associated laboratory reports are presented in **Appendix I**.

5.1 Overview of PFAS Chemistry and Use

PFAS samples were analyzed for 21 PFAS compounds by EPA Method 537 Modified. Detected PFAS constituents were categorized into three (3) categories for evaluation (**Figure 5-1**):

1. **Perfluoroalkyl carboxylic acids (PFCAs)** is a perfluoroalkyl acid (PFAA) with a carboxylate functional group. PFOA is the most frequently detected PFCA.
2. **Perfluoroalkane sulfonic acids and sulfonates (PFSAs)** is a PFAA with a sulfonate functional group. PFOS is the most frequently detected PFSA.
3. **Precursors** are fluoroalkyl substances that may bio-transform to form terminal PFAAs.

In the case of AFFF, the PFAS mixture (i.e., the proportion of detected long chained perfluoroalkyl sulfonates relative to perfluoroalkyl carboxylates and/or fluorotelomers) observed in analytical results from SC samples is directly related to the type of PFAS containing AFFF. As an example, legacy 3M Company foams manufactured until 2001 contained perfluoroalkyl sulfonates, including PFOS and Perfluorohexane sulfonate (PFHxS) (Place & Field 2012, Houtz et al. 2013). Concurrent and subsequent legacy fluorotelomer based foams manufactured through 2016 contained long chained fluorotelomers (and carboxylates) that can bio-transform into perfluorinated alkyl carboxylates dead end daughter products, including PFOA (D'Agostino et al. 2017, Harding-Marjanovic et al. 2015). These fluorotelemor foams are not associated with perfluorinated sulfonates such as PFOS and PFHxS. Modern foam formulations are associated with shorter chained fluorotelemors that may form C-7 and shorter chained perfluorinated carboxylates, however these foams are not associated with PFOA and similar to the legacy fluorotelemor foams, are not associated with Perfluorinated sulfonates. As a result, the history and timeframe of use of a fire training area (or actual fire) will be reflected in the PFAS mixture detected in the source area and associated groundwater PFAS plume. Older fire training areas are likely to contain PFOS (and PFOA), whereas more recent fire training using only modern foam formulations would be expected to be associated with 6:2 FTS and shorter chained (less or equal to 6 fully fluorinated carbon atoms) perfluoroalkyl carboxylates, but no PFOS or PFOA (Field & Place 2012, Houtz et al. 2013, Backe et al. 2013).

By incorporating the PFAS mixture into the CSM, an assessment can be made of foam used, approximation of when the fire training occurred (legacy foam versus modern foam formulations) and support fate and transport assessment relative to the fire training source area in that PFAS fingerprint of a source area will be reflected in the plume.

Fire training activities at the airport have likely occurred since the late 1980s' and have potentially included both older (legacy) and modern foam formulations. **Appendix J** provides summary of previous foam usage. Both groundwater and soil PFAS data would be expected to reflect the type of AFFF used in those locations.

Assessment of the chemical fingerprint (**Figure 5-1**) can provide an indication of the timing of the fire training in a given area as well as the type of AFFF used, e.g., legacy foams would result in 8-carbon atoms (C-8) PFAAs (PFOS and or PFOA) in soil and groundwater, whereas modern 6:2 FTS foam formulations would result in 6:2 FTS and its biotransformation products (C-7 and shorter chained carboxylates) in soil and groundwater.

Figures 3B and 4B summarize the PFAS fingerprint in soil and groundwater at the Site, respectively.

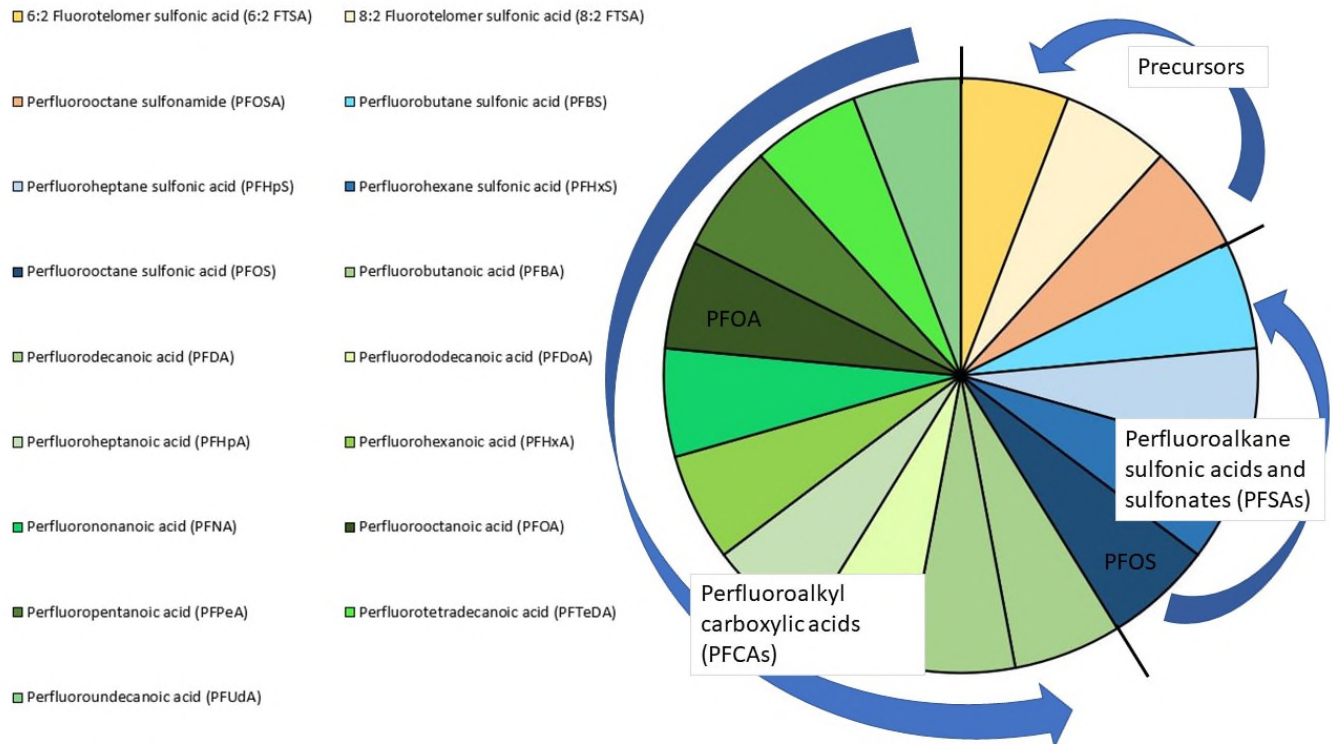

Figure 5-1. Color Key for Detected PFAS Compounds.

5.2 Evaluation Criteria

The criteria and guidance values summarized below were used to review the data presented in the Sections 5.3 and 5.4 as well as relevant tables and figures.

Table 5-1 Data Evaluation Criteria and Guidance Value

Compounds	Matrix	Reference Criteria and Guidance Value
PFAS	Soil	NYSDEC Interim PFAS Guidance Dated June 2021
1,4-Dioxane	Soil	Draft 2021 Addendum to TOGS
VOCs/SVOCs/Metals/PCBs/ Pesticides/Herbicides	Soil	NYSDEC Part 375 Soil Clean-up Objectives for Commercial and Industrial uses, as well as Protection of Groundwater
PFAS	Groundwater	NYSDEC Interim PFAS Guidance Dated June 2021
1,4-Dioxane	Groundwater	Draft 2021 Addendum to NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) (TOGS)

		Ambient Water Quality Standards and Guidance values and Groundwater Effluent Limitations
VOCs/SVOCs/Metals/PCBs/ Pesticides/Herbicides	Groundwater	NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) (TOGS) Ambient Water Quality Standards and Guidance values and Groundwater Effluent Limitations

Analytical results for samples analysed for 1,4-dioxane were compared to the Draft 2021 Addendum to TOGS.

The process used for evaluating the AOPCs at the Site is presented below:

- Review Site information for current or historical use/storage of AFFF or PFAS containing products (e.g., surfactants)
- Compare detected constituents with established criteria to standards or guidance values to determine if exceedances are present
- Determine whether PFAS are present in soil at concentrations high enough to represent potential impact to groundwater
- Compare soil analytical results to corresponding groundwater data to determine whether groundwater concentrations could result from local release or transport from another area.
- Review individual PFAS constituents and compare to data from upgradient wells to determine whether groundwater concentrations could result from local release or transport from another area
- Review analytical results for other parameters to determine whether they could also be considered constituents of concern

Following the completion of this process, AOPCs were either retained or eliminated from further investigation. The results of this evaluation are presented in the following sections.

5.3 Sediment and Soil

A total of 22 soil borings were drilled during the SC. A total of six (6) sediment samples were collected. **Appendix B** provides soil core logs. Based on observations of soil cores, the Site geology mainly consists of fine to coarse sand. All soil borings exhibited a coarsening downward trend. Fine to medium sand is generally observed at shallower depth, which transition into medium and medium to coarse sand at deeper depth.

5.3.1 Sediment Sampling

Six (6) sediment samples were collected and analysed for parameters in accordance with the SCWP. **Table 4** presents the sediment sample analytical results. The following observations were made on total PFAS concentrations:

- **AOPC 01:** Total PFAS detections of 49.32 ug/kg were identified with, the highest concentrations found nearest the basin inlets. PFOA (4.83 ug/kg) exceeded the NYS Part 375 Protection of Groundwater SCG in Sample SED 1-1.

- **AOPC 02:** Total PFAS detections of 55.44 ug/kg were identified, with the highest concentrations found nearest the basin inlets. PFOS (6.13 ug/kg) exceeded the NYS Part 375 Protection of Groundwater in Sample SED 2-1.
- **AOPC 04:** A total PFAS concentration of 27.904 ug/kg in SED 4-1 was detected with no exceedance of SCGs.
- **AOPC 07:** There were no PFAS detections in sediment sampled at AOPC 07.

No exceedances of NYS Part 375 Commercial Use and Industrial Use for analytes VOCs, SVOCs and metals were identified in sediment samples. 1,4-dioxane, PCBs and Herbicides were not detected in samples at concentrations above reporting limits. Acetone was detected in sample SED 1-1 at 0.096 ug/kg which exceeded the NYS Part 375 Protection of Groundwater. The exceedances were likely due to common laboratory contamination.

5.3.2 Soil Sampling

A total of 28 soil samples were collected and analysed for parameters in accordance with the SCWP. **Table 4** presents soil sample results. The following observations were made regarding total PFAS concentrations:

- **AOPC 03:** total PFAS concentrations range from 2.12 to 44.982 ug/kg with the highest concentration found at 41-43 ft bls (the deepest sample). PFOS concentrations detected at samples SO 3-2 (32-33) and SO 3-2 (41-43), 11.8 ug/kg and 19.2 ug/kg respectively, exceeded the NYS Part 375 Protection of Groundwater SCG.
- **AOPC 04:** total PFAS concentrations range from not detected to 384.6 ug/kg with the highest concentration found at 0-2 ft bls. PFOA concentration detected at sample SO 4-1 (0-2) is 1.78 ug/kg and exceeded the NYS Part 375 Protection of Groundwater SCG.
- **AOPC 05:** total PFAS concentrations range from 5.39 to 61.76 ug/kg with the highest concentration found at 0-2 ft bls. PFOA concentrations detected at samples SO 5-1 (20-22) (2.09 ug/kg), SO 5-1 (53-33) (1.23 ug/kg), SED 5-1 (1.54 ug/kg), and SED 5-3 (1.61 ug/kg) exceeded the NYS Part 375 Protection of Groundwater SCG.
- **AOPC 06:** total PFAS concentrations range from 12.246 to 73.531 ug/kg with the highest concentration found at 0-2 ft bls. PFOS concentration detected at sample SED 6-1 (19.4 ug/kg) exceeded the NYS Part 375 Protection of Groundwater SCG.
- **AOPC 07:** A total PFAS concentration of 0.777 ug/kg was identified in soil at AOPC 07.
- **MW-05:** total PFAS concentrations range from not detected to 3.038 ug/kg with the highest concentration found at 0-2 ft bls.

No exceedances of VOCs, SVOCs or metals were identified in soil samples. 1,4-dioxane, PCBs and Herbicides were not detected in samples at concentrations above reporting limits. Exceedance of the NYS Part 375 Protection of Groundwater standard for Acetone was identified in samples SO 4-2 (15-17) at 0.15 ug/kg, and SED 5-1 at 0.31 ug/kg, likely due to common laboratory contamination.

5.4 Stormwater and Groundwater

Table 5 presents analytical results of detected constituents in stormwater and groundwater grab samples. **Table 6** presents analytical results of detected constituents in groundwater samples obtained from monitoring wells. As

detailed below, the sum of “other PFAS constituents” does not include PFOS or PFOA since they are reported separately. When “total PFAS” are reported below, it represents the sum of all PFAS constituents analyzed.

5.4.1 Stormwater Samples

Two (2) stormwater samples were collected from AOPC 01 and AOPC 02 and analyzed for parameters in accordance with the requirements of the SCWP. Constituents detected in stormwater and exceedances are provided in **Table 5**. Of the two (2) samples collected, a single exceedance of PFOA was identified at AOPC 01 at SW1-1 (41 ng/L). Other parameters (i.e., VOCs, SVOCs, PCBs, 1,4-dioxane, and pesticides/herbicides) were not detected or exhibited no exceedances.

5.4.2 Groundwater Grab Samples

Nine (9) groundwater grab samples were collected and analysed for parameters in accordance with the requirements of the SCWP. Constituents detected in stormwater and exceedances are provided in **Table 5**. The following AOPCs exhibited exceedances:

- **AOPC 03, AOPC 05, AOPC 06, AOPC 11 and AOPC 12:** PFOA concentrations range from 37.2 to 1,320 ng/L, PFOS concentrations range from 40.9 to 22,600 ng/L, and the total of other PFAS constituent concentrations range from 88 to 62,000 ng/L.
- **AOPC 08:** PFOA was detected at 3,030 ng/L along with other PFAS constituents (total of other PFAS concentration was 3,109.4 ng/L)
- Total PFAS concentrations exceeded 500 ng/L at AOPC 03, AOPC 04, AOPC 05, AOPC 06, AOPC 08, and AOPC 11.
- **AOPC 07:** chromium (207 ug/L), lead (41.2 ug/L) and manganese (3,460 ug/L) exceeded their respective SCG.
- **AOPC 12:** chromium (98.3 ug/L) and manganese (2,860 ug/L) exceeded their respective SCG.

Other parameters (i.e., VOCs, SVOCs, PCBs, 1,4-dioxane, and pesticides/herbicides) were not detected or exhibited no exceedances.

Certain inferences can be made based on the observed PFAS mixture and concentrations ranges. As an example, detected PFAS concentrations in groundwater at AOPC 06 appear unrelated to groundwater concentrations observed at hydraulically downgradient AOPC 11. AOPC 11 groundwater sample ISP GWG 11-2 is dominated by PFOS and PFOSA, whereas hydraulically upgradient AOPC 06 contains a broader range of PFAS, including PFOS, however, no PFOSA is detected, and concentrations are dominated by the fluorotelomer 6:2FTSA. AOPC 6 is unlikely to constitute the source for groundwater concentrations in AOPC 11.

5.4.3 Monitoring Well Samples

Groundwater samples were collected from the eight (8) monitoring wells that were installed in accordance with the requirements of the SCWP, including Wells ISP MW-01 through MW-05, ISP MW 3-1, ISP MW 4-1, and ISP MW 9-1 (see **Figure 1**). Sampling was performed following protocols described in the SCWP. Constituents detected in groundwater samples obtained from monitoring wells are provided in **Table 6**. The following AOPCs exhibited exceedances:

- **AOPC 03 ISP MW 3-1:** PFOA (834 ng/L), PFOS (7,340 ng/L), and other PFAS constituents (total concentration of 10,898 ng/L)

- **AOPC 09 ISP MW 9-1:** PFOS (12.4 ng/L), PFOA (19.8 ng/L), total Manganese (485 ug/L), dissolved Manganese (469 ug/L)
- **AOPC 04 ISP MW 4-1:** Other PFAS constituents (total concentration of 19,754 ng/L)
- **Sitewide monitoring wells ISP MW-02 and ISP MW-03:** PFOS concentrations were 50 ng/L and 30.2 ng/L, respectively.

Other parameters (i.e., VOCs, SVOCs, PCBs, 1,4-dioxane, and pesticides/herbicides) were either not detected or exhibited no exceedances relative to applicable standards.

5.5 Groundwater Flow

Table 8 presents results from the synoptic water-level measurements performed on August 16, 2021. Depth to water was collected from the new eight (8) new monitoring wells installed for the SC, accessible CAMCO Wells (i.e., MW 13-2, MW 13-4 and MW13-6), and Hertz/Avis/Budget Well TRC-AV1.

Based on depth to water data, groundwater elevations at the Site range from approximately 35 to 47 ft above mean sea level (msl). **Figure 5** depicts the groundwater elevations and horizontal component of groundwater flow direction across the Site. Groundwater elevation observed in the northern boundary of the Site (MW-01) is 45.37 ft msl. Groundwater elevation observed in the southern boundary of the Site (MW-03) is 34.77 ft msl. Therefore, the average hydraulic gradient is approximately 0.0014 ft/ft. The data indicates a south/southwesterly direction of groundwater flow. Based on the literature hydraulic conductivity discussed in Section 2.4, an assumed effective porosity of 0.2, and the estimated average hydraulic gradient, the average estimated groundwater seepage velocities range from 1.4 to 1.9 ft/day. These observations are consistent with the regional groundwater flow direction documented by others (Section 2.4).

5.6 Summary of Data Evaluation

Based on evaluation of other parameters analyzed in various media sampled during the SC (i.e., VOCs, SVOCs, metals, 1,4-dioxane, pesticides/herbicides, and PCBs), the data indicate that they are not considered COCs at the Site. Although chromium was detected in a limited number of aqueous groundwater grab samples due to turbidity issues, the only metal that was detected above its SCG in samples collected from monitoring wells was manganese. Therefore, all analytical parameters other than PFAS constituents should be eliminated from further consideration.

Based on evaluation of the PFAS and other parameters described in the preceding sections of this Report, six (6) AOPCs were not retained for further investigation. The following table provides additional details and rationale for not retaining these AOPCs for further investigation.

Table 5-2 AOPCs Not Retained for Further Investigation

AOPC Description	Rationale
AOPC 01: Recharge Basin #1	No current or historical use or storage of AFFF. Trace detections of PFAS in sediment and stormwater are not indicative of local release, rather they appear to be related to transport from other areas. Other parameters were not detected or did not exceed applicable criteria.
AOPC 02: Recharge Basin #2	No current or historical use or storage of AFFF. Trace detections of PFAS in sediment and stormwater are not indicative of local release, rather they

AOPC Description	Rationale
	appear to be related to transport from other areas. Other parameters were not detected or did not exceed applicable criteria.
AOPC 07: Taxiway Runoff Area #1	No current or historical use or storage of AFFF. Groundwater data not indicative of local release. Exceedances of manganese, lead and chromium identified in groundwater grab samples are likely related to elevated turbidity. Other parameters were not detected or did not exceed applicable criteria.
AOPC 09/AOPC10: Excelaire/Modern Aviation (formerly known as Sheltair)	Groundwater PFAS constituents' area consistent with background, not indicative of local release. Manganese could be naturally occurring. Other parameters were not detected or did not exceed applicable criteria.
AOPC 12: Whitney Hangar	Groundwater PFAS constituents consistent with transport from another area. Exceedances of chromium and manganese identified in groundwater grab samples are likely related to elevated turbidity. Other parameters were not detected or did not exceed applicable criteria.
AOPC 14: Composting Facility	No current or historical use or storage of AFFF. Nearby groundwater data not indicative of local release.

AOPC 01 and AOPC 02 were not retained for further investigation because they were not direct release areas resulting from the storage and/or use of PFAS containing materials. However, these AOPCs may have facilitated the migration of PFAS constituents through movement of stormwater runoff that was conveyed to the recharge basins. Therefore, although these AOPCs were not retained for further investigation, groundwater immediately downgradient of these basins will be investigated further. Further discussion of the release, distribution, and migration of PFAS constituents, and AOPCs that were retained for further investigation, is provided in Section 6 – Conceptual Site Model.

6 Conceptual Site Model

This section presents the preliminary CSM based on hydrogeologic conditions and analytical results from the SC activities.

Based on the soil borings that were drilled during the SC, primarily fine to coarse sand deposits were encountered at the Site, which is consistent with regional studies describing glacial outwash deposits in the Upper Glacial Aquifer. A trend of coarsening deposits with depth was also evident from the on-site soil borings. Groundwater was generally encountered from 35 to 47ft bls and the direction of groundwater flow was south/southwest across the Site, which is consistent with USGS regional water level mapping of the Upper Glacial Aquifer. The saturated thickness of the upper glacial aquifer is approximately 125 to 150 feet across the Site based on regional mapping from the USGS (Smolensky and others 1990). The elevation of the upper surface of the underlying Magothy Aquifer is approximately -125 to -150 ft relative to mean sea level. Regionally, groundwater flow is predominantly to the south/southwest toward streams and the Great South Bay, with a component of flow moving deeper into the Magothy Aquifer and potentially being influenced by pumping stresses (e.g., public supply wells). Based on a preliminary review of USGS data releases detailing the capture zones across Long Island, it appears that the capture zone of public supply wells located south of the Site (e.g., SCWA Locust Avenue Well Field and Church Street Well Field) only minimally overlap the fringe areas of the Site (i.e., areas not associated with AOPCs).

To develop a preliminary assessment of potential groundwater travel times from AOPC 03 and AOPC 04 to the site boundary, groundwater seepage velocities were estimated. Because all PFAS constituents are highly mobile in groundwater (i.e., both long- and short-chain PFAS), this travel time assessment is relevant for the full suite of PFAS constituents that were analyzed. Based on an average groundwater seepage velocity (Section 5.5), the estimated travel times from AOPC 03 and APOC 04 to the Site boundary are on the order of 8 to 10 years and 11 to 15 years, respectively. Given that AFFF use has been on-going since 1988, PFAS-impacted groundwater in monitoring wells at the southerly site boundary could be the result of the most upgradient AOPCs identified at the Site. Based on the estimated seepage velocities, PFAS sourced in AOPC 03 and 04 could have migrated beyond the southerly site boundary.

Based on historical information provided in the RSR, the preliminary CSM, and evaluation of the data described in the preceding sections of this SCR, a total of six (6) AOPCs were retained for further investigation to address data gaps and refine the CSM. The following table provides additional details and rationale for retaining these AOPCs for further investigation.

Table 6-1 AOPCs Retained for Further Investigation

AOPC Description	Rationale
AOPC 03: Fire Training Area #1: Northeast Wooded Area	Records and field observations indicate historical AFFF use. Highest total PFAS concentration in groundwater at AOPC 03 is 44,638 ng/L. Total PFAS concentration along with individual constituents detected are indicative of a local release.
AOPC 04: Fire Training Area #2: Northwest, Behind Compost Facility	Records and field observations indicate historical and current AFFF use. Highest total PFAS concentration in groundwater at AOPC 04 is 19,754 ng/L. Total PFAS concentration along with individual constituents detected are indicative of a local release.

AOPC Description	Rationale
AOPC 05: Equipment Cleanout Area by Suffolk County Water Authority Tower	Records indicate current and ongoing AFFF use. Highest total PFAS concentration in groundwater at AOPC 03 is 1,907 ng/L. Total PFAS concentration along with individual constituents detected are indicative of a local release.
AOPC 06: Old Fire House	Records and field observations indicate historical AFFF use. Highest total PFAS concentration in groundwater at AOPC 06 is 67,355 ng/L. Total PFAS concentration along with individual constituents detected are indicative of a local release. PFAS concentrations represent the highest detected during the SC.
AOPC 08: Glycol Treatment Plant	Total PFAS concentration in groundwater at AOPC 08 is 6,139 ng/L. Total PFAS concentrations along with individual constituents detected are indicative of a local release.
AOPC 11: Hertz/Avis/Budget	Records and field observations indicate historical and current use of surfactants and other automotive related substances. Highest total PFAS concentration in groundwater at AOPC 11 is 1,213 ng/L. Total PFAS concentrations along with individual constituents detected are indicative of a local release. No detection of 1,4-Dioxane above laboratory detection limits.

Other analytes consisting of VOCs, SVOCs, PCBs, and pesticides/herbicides were not detected at significant concentrations in soil/sediment, groundwater, and stormwater at the AOPCs investigated and are not considered constituents of concern for these areas. PFAS and, to a much lesser extent, manganese, lead, and chromium, were detected above SCGs in various media. The remainder of this CSM focuses on the evaluation of their occurrence at the areas investigated.

The PFAS geochemical fingerprint at each AOPC was evaluated to determine apparent differences in PFAS composition between AOPCs, and to provide an indication of timing and type of AFFF used (see Section 5.1 for further discussion). The initial CSM regarding PFAS occurrence in the environment at the AOPCs investigated is summarized below.

- AOPC 01 (Recharge Basin 1) and AOPC 02 (Recharge Basin 2): The comparatively low concentrations of PFAS in sediment and stormwater show indications of comingling between legacy and modern AFFF. This suggests PFAS have migrated from on-Site sources via stormwater transport.
- AOPC 03 (Fire Training Area #1): Soil and groundwater PFAS data are PFOS and fluorotelomer dominant indicating legacy AFFF usage. Findings are consistent with “Hot Training” events reportedly beginning in the 1980’s, as documented in the RSR.
- AOPC 04 (Fire Training Area #2): Soil and groundwater PFAS data are dominated by 6:2 FTS and shorter chained carboxylates suggesting modern AFFF usage. Findings are consistent with current AFFF storage and testing activities at AOPC 04.
- AOPC 05 (Equipment Cleanout Area by SCWA Tower): Soil and groundwater PFAS data are dominated by 6:2 FTS and shorter chained carboxylates suggesting modern AFFF usage. Findings are consistent with current fire equipment cleaning activities at AOPC 05 as documented in the RSR.

- AOPC 06 (Old Fire House): PFAS data for soil are dominated by PFOS and fluorotelomer compounds. PFAS data for groundwater are dominated by PFCAs and PFOS. The soil and groundwater data are suggestive of historical AFFF usage. Findings are consistent with fire training and foam testing which was identified as a historical fire house in the RSR.
- AOPC 08 (Glycol Treatment Plant): The PFAS mixtures observed exhibit different geochemical fingerprints than those observed AOPC 03, 04, 05, 06 and 11. Total PFAS concentrations at AOPC 08 is indicative of a local release. RSR findings did not identify AFFF related activities. Based on the soil and groundwater data, a source location cannot be determined. The absence of detectable PFOS concentrations in AOPC 08 groundwater, is inconsistent with the PFAS mixture observed at AOPC 03 and it is therefore unlikely that AOPC 08 PFAS concentrations reflects transport from AOPC 03.
- AOPC 11 (Hertz/Avis/Budget): The PFAS mixtures observed exhibit different geochemical fingerprints than those observed AOPC 03, 04, 05, 06 and 08. Total PFAS concentrations at AOPC 11 is indicative of a local release. RSR findings did not identify AFFF related activities. Based on the soil and groundwater data, a source location could not be determined.
- AOPC 12 (Whitney Hangar): The PFAS mixture observed (mixture of perfluorinated sulfonates and carboxylates and trace concentrations of 8:2 FTSA) suggest a comingling of legacy and modern AFFF. The generally low concentrations indicate transport from other areas and do not indicate releases in this area.
- PFAS data at upgradient Well ISP MW-01 represents a comingling of PFSAs and PFCAs but is within the same order of magnitude as downgradient monitoring wells. Upgradient well only has trace levels of PFAS, which may reflect general regional background.
- PFAS data at downgradient Well ISP MW-02 are comparatively low and is PFOS dominant suggesting downgradient migration from other areas.
- PFAS data at downgradient well ISP MW-03 are comparatively low and is PFOS and PFCA dominant suggesting downgradient migration from other areas.

7 Conclusions

Based on the findings of the SC, Arcadis concludes the following:

- Site geology consists of mainly fine to coarse sand and is consistent with regional geological information from the literature.
- The shallow groundwater flow direction is south/southwesterly and overall is consistent with the regional groundwater flow direction documented by others.
- No exceedances were identified in soil and sediment for VOCs, SVOCs, metals, PCBs, 1,4-dioxane, and pesticides/herbicides. NYSDEC has not established Soil Clean-up Objectives for PFAS.
- AOPC 01 exhibited an exceedance of PFOA in stormwater.
- No exceedances were identified in groundwater for VOCs, SVOCs, 1,4-dioxane, PCBs, pesticides, or herbicides.
- PFOA, and PFOS exceedances were identified in groundwater at AOPC 03, AOPC 05, AOPC 06, AOPC 09, AOPC 11 and AOPC 12. Other PFAS constituents in groundwater also exceeded 100 ng/L in these AOPCs, except AOPC 09.
- PFOA concentration exceeded 10 ng/L in groundwater at AOPC 08.
- Total PFAS concentrations exceeded 500 ng/L in groundwater at AOPC 03, AOPC 04, AOPC 05, AOPC 06, AOPC 08, and AOPC 11.
- Other groundwater exceedances: AOPC 07 and AOPC 12 exhibited chromium and manganese exceedances in grab groundwater samples, which are often attributable to high sample turbidity. AOPC 07 also exhibited an exceedance of lead. AOPC 09 exhibited an exceedance of manganese. Manganese is likely naturally occurring; other exceedances are likely artifacts of sample turbidity.
- Based on the findings of the SC AOPC 01, AOPC 02, AOPC 07, AOPC 09/10, and AOPC 12 were not retained for further investigation.
- PFAS geochemical fingerprinting identified legacy AFFF usage at AOPC 03, and AOPC 06, modern AFFF formulations usage at AOPC 04, and AOPC 05 and a comingling of legacy with modern AFFF at AOPC 01, AOPC 02, and AOPC 12. AOPC 11 and AOPC 08 exhibit geochemical fingerprints that differ when compared to constituents detected from other AOPCs e.g., AOPC 03 and AOPC 04.
- PFAS data from AOPC 01, AOPC 02, and AOPC 12 indicate they are a result of transport from other areas.
- Groundwater PFAS data from Wells ISP MW-02 and ISP MW-03 indicate transport from other areas.
- Based on the findings of the SC, AOPC 03, AOPC 04, AOPC 05, AOPC 06, AOPC 08 and AOPC 11 were retained for further investigation.

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Tables

Table 1
Summary of Operations and Sampling Rationale
Long Island MacArthur Airport
Ronkonkoma, New York

AOPC #	Address/ Location Description	Summary of Operations[1]	AOPC Designation Rationale[1]	Sampling Location Rationale[1]	Contaminants of Concern					
					PFAS	1,4 Dioxane	VOCs	SVOCs	Metals	PCBs/Pesticides/Herbicides
Core Airport Operation										
1	Recharge Basin #1	Receives stormwater runoff and treated deicing fluids from AOPC #3 (Fire Training Area #1) and AOPC #8 (Glycol Treatment Plant).	Stormwater runoff may bring potential impact from AOPC #3 and AOPC #8.	Stormwater sample and sediment samples collected from the recharge basin inlet to characterize potential impact from stormwater runoff in general and from AOPC#3 and AOPC#8.	√	√	√	--	--	√
2	Recharge Basin #2	Receives stormwater runoff from AOPC #6 (Old Fire House), AOPC#12 (Former Excelaire) and AOPC #15 Army National Guard area.	Stormwater runoff may bring potential impact from AOPC #6, APOC #12 and AOPC #15.	Stormwater sample and sediment samples collected from the recharge basin inlet to characterize potential impact from AOPC#6, AOPC#12 and AOPC#15.	√	√	√	--	--	√
3	Fire Training Area #1: Northeast Wooded Area	Airport historically used area for AFFF fire training and foam testing	Operations utilizing AFFF foam may potentially involve PFOS/PFOA.	Soil and groundwater samples collected from northern and southern areas of historical AFFF training and burn pit area identified by the Fire Department to characterize potential impact from application of AFFF. Sediment sample collected from swale/low lying area to identify potential impact to shallow soil from surface water runoff off AFFF training and burn pit area.	√	√	√	√	--	√
4	Fire Training Area #2: Northwest, behind Compost Facility	Airport historically used area for AFFF fire training and foam testing	Operations utilizing AFFF foam may potentially involve PFOS/PFOA.	Soil and groundwater samples collected from northern and southern areas of AFFF training discharge area identified by the Fire Department. Sediment sample collected from swale/low lying area to identify potential impact to shallow soil from surface water runoff off AFFF training discharge area.	√	√	√	√	--	√
5	Equipment Cleanout Area by Suffolk County Water Tower	Airport historically used area to clean AFFF out of fire fighting equipment	Operations utilizing AFFF foam may potentially involve PFOS/PFOA.	Soil and groundwater samples collected from equipment discharge area identified by the Fire Department. Sediment samples collected from surrounding area to identify impact to shallow soil.	√	√	√	--	--	√
6	Old Fire House	Airport historically used area for AFFF fire training and foam testing. Old Fire House was demolished and paved over.	Operations utilizing AFFF foam may potentially involve PFOS/PFOA.	Soil and groundwater samples collected from permeable area closest to historical AFF training discharge area identified by the Fire Department and closest to previous cesspool that was abandoned in place to identify potential impact from historic AFFF foam discharge and storage of AFFF foam in previous building. Sediment Sample collected from upstream of a drywell that collects stormwater runoff from the area to identify potential impact from stormwater runoff in the general area.	√	--	--	--	--	√
7	Taxiway Runoff Area #1: Low lying area between Taxiways Whiskey and Bravo	A low-lying area that receives runway and taxiway runoff as well as runoff from tenants along Smithtown Avenue, including AOPC 09 and AOPC 10.	Operations at AOPC 09 and AOPC 10 may potentially involve PFOS/PFOA.VOCs, SVOCs and/or metals, per industrial common practice. De-icing fluid used on runway may potentially involve 1,4-Dioxane.	Groundwater and sediment samples collected close to an inlet to characterize potential impact from stormwater runoff.	√	√	√	√	√	√
8	Glycol Treatment Plant	Receives propylene glycol (aircraft deicing fluid) runoff from other airport areas. Treatment consists of the addition of trisodium phosphate, urea, nitrogen and biological amendments to enhance biodegradation prior to discharge to Recharge Basin #1.	Area receives runoff containing aircraft deicing fluid from the terminal area. 1,4 Dioxane is a by-product present in aircraft deicing fluids.	Groundwater sample collected downgradient of the Glycol Treatment Plant to evaluate potential impact to groundwater.	√	√	--	--	--	√

Table 1
Summary of Operations and Sampling Rationale
Long Island MacArthur Airport
Ronkonkoma, New York

AOPC #	Address/ Location Description	Summary of Operations[1]	AOPC Designation Rationale[1]	Sampling Location Rationale[1]	Contaminants of Concern					
					PFAS	1,4 Dioxane	VOCs	SVOCs	Metals	PCBs/Pesticides/Herbicides
Independent Operation										
9/10	Excelaire, LLC / Hawthorne Global Aviation Services/Modern Aviation (formerly known as Sheltair ISLIP, LLC)	The facility currently operates as a FBO providing fuel and minor maintenance to aircraft. Historically the facility has been a RCRA-LQG (1990-2006), producing waste that included chromium, lead, TCA and wastewater treatment sludges from electroplating operations. Precise location of electroplating is not currently known.	Operations utilizing fuel oil, waste oil, degreasing substances, solvents and metal plating substances may potentially involve PFOS/PFOA.VOCs, SVOCs and/or metals, per industrial common practice.	Monitoring well installed directly downgradient of the area to evaluate potential impact to groundwater.	√	√	√	√	√	√
11	Hertz/Avis/Budget	These facilities currently operate as a rental car agencies for the airport. All three facilities house onsite carwashes.	Operations utilizing car wash soaps, degreasing substances and solvents may potentially involve 1,4-Dioxane and PFOS/PFOA.	Groundwater samples collected from downgradient from previous and current car washing operations to evaluate potential impact to groundwater.	√	√	√	--	--	√
12	Whitney Hangar	The current structure at this facility is vacant. However there are suspect hazardous materials in various containers leftover from prior use. Arcadis also observed staining on the facility floor.	Operations utilizing fuel oil, waste oil, degreasing substances, solvents and metal plating substances may potentially involve PFOS/PFOA.VOCs, SVOCs and/or metals, per industrial common practice.	Groundwater sample collected from downgradient from Whitney Hangar structure to evaluate potential impact to groundwater.	√	√	√	√	√	√
Site Wide										
Site-Wide	Site-wide monitoring wells	--	To monitor groundwater quality hydraulically upgradient and downgradient of the Site. Also to monitor groundwater quality at the southern boundary of the site and upgradient of SCWA Well #13.		√	√	√	√	√	√

Notes and Abbreviations:

(1) Refer to Long Island MacArthur Airport Records Search Report (Arcadis 2019) and Site Characterization Work Plan (Arcadis 2020) for further details on historical operations, AOC designation rationale and sample locations.

AOPC Area of Potential Concern
AFFF Aqueous Film Forming Foam
SCWA Suffolk County Water Authority
PFAS Per- and Polyfluoroalkyl Substances
VOCs Volatile Organic Compounds
SVOCs Semi-Volatile Organic Compounds
PCBs Polychlorinated biphenyls
FBO Fixed Based Operator

Table 2
Sample Summary
Long Island MacArthur Airport
100 Arrival Ave
Ronkonkoma NY

Sample Type	Total Locations	Total Samples Collected
AOPC01 - Recharge Basin #1		
SE	2	2
SW	1	1
AOPC02 - Recharge Basin #2		
SE	2	2
SW	1	1
AOPC03 - Fire Training Area #1: Northeast Wooded Area		
SO	3	7
GWG	1	1
MW	1	1
AOPC04- Fire Training Area #2: Northwest, behind Compost Facility		
SE	1	1
SO	2	6
GWG	1	1
MW	1	1
AOPC05- Equipment Cleanout Area by Suffolk County Water Tower		
SO	4	6
GWG	1	1
AOPC06- Old Fire House		
SO	2	3
GWG	1	1
AOPC07- Taxiway Runoff Area #1		
SE	1	1
SO	1	1
GWG	1	1
AOPC08- Glycol Treatment Plant		
GWG	1	1

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Table 2
Sample Summary
Long Island MacArthur Airport
100 Arrival Ave
Ronkonkoma NY

Sample Type	Total Locations	Total Samples Collected
AOPC09/AOPC10- Excelaire/Modern Aviation (formerly known as Sheltair)		
MW	1	1
AOPC11- Hertz/Avis/Budget		
GWG	2	2
AOPC12- Whitney Hangar		
GWG	1	1
Site-Wide Monitoring Wells		
MW	5	5

Notes and Abbreviations:

SE	Sediment
SO	Soil
GWG	Groundwater Grab
MW	Permanent Monitoring Well

Table 3
Sample Collection and Analyte Details
Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY

AOPC ID	Sample Media	Sample ID	Boring Depth (ft bls)	Sampling Interval (ft bls)	Analytes								Sample Rationale
					PFAS	1,4-Dioxane	VOCs	SVOCs	Metals	PCBs/Herbicides /Pesticides	TPH (GRO/DRO)	TOC	
AOPC01 - Recharge Basin #1													
01	SE	ISP SED 1-1	2	0-2	x	x	x			x		x	Per SCWP
01	SE	ISP SED 1-2	2	0-2	x	x	x			x		x	Per SCWP
01	SW	ISP SW 1-1	NA	NA	x	x	x			x			Per SCWP. Sampling event was completed following a moderate rain event.
AOPC02 - Recharge Basin #2													
02	SE	ISP SED 2-1	2	0-2	x	x	x			x		x	Per SCWP
02	SE	ISP SED 2-2	2	0-2	x	x	x			x		x	Per SCWP
02	SW	ISP SW 2-1	NA	NA	x	x	x			x			Per SCWP. Sampling event was completed following a moderate rain event.
AOPC03 - Fire Training Area #1: Northeast Wooded Area													
03	SO	ISP SED 3-1	2	0-2	x	x	x	x		x	X	X	Per SCWP
03	SO	ISP SO 3-1	60	0-2	x	x	x	x		x	x	x	Per SCWP
03	SO	ISP SO 3-1	60	50-52	x	x	x	x			x	x	Per SCWP
03	SO	ISP SO 3-1	60	25-27	x	x	x	x			x	x	Field observation.
03	SO	ISP SO 3-2	70	0-2	x	x	x	x		x	x	x	Per SCWP
03	SO	ISP SO 3-2	70	32-33	x	x	x	x		x	x	x	Field observation.
03	SO	ISP SO 3-2	70	41-43	x	x	x	x		x	x	x	Per SCWP
03	GWG	ISP GWG 3-1	60	55-58	x	x	x	x		x	x	x	Per SCWP
03	MW	ISP MW 3-1	70	47-57	x	x	x	x		x			Per SCWP
AOPC04- Fire Training Area #2: Northwest, behind Compost Facility													
04	SE	ISP SED 4-1	2	0-2	x	x	x			x		x	Per SCWP
04	SO	ISP SO 4-1	65	0-2	x	x	x	x		x		x	Per SCWP
04	SO	ISP SO 4-1	65	10-12	x	x	x	x				x	Field observation.
04	SO	ISP SO 4-1	65	15-17	x	x	x	x				x	Field observation.
04	SO	ISP SO 4-1	65	55-57	x	x	x	x				x	Per SCWP
04	SO	ISP SO 4-2	80	0-2	x	x	x	x		x		x	Per SCWP
04	SO	ISP SO 4-2	80	51-53	x	x	x	x				x	Field observation.
04	SO	ISP SO 4-2	80	22.9-24.9	x	x	x	x				x	Field observation.
04	SO	REP031021	80	22.9-24.9	x	x	x	x				x	QA/QC Sample. Blind replicate of ISP SO 4-2 (22.9-24.9)
04	SO	ISP SO 4-2	80	42-44	x	x	x	x				x	Per SCWP
04	MW	ISP MW 4-1	67	55-65	x	x	x	x		x			Per SCWP
04	GWG	ISP GWG 4-1	65	60-63	x	x	x	x		x		x	Per SCWP

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Table 3
Sample Collection and Analyte Details
Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY

AOPC ID	Sample Media	Sample ID	Boring Depth (ft bls)	Sampling Interval (ft bls)	Analytes								Sample Rationale
					PFAS	1,4-Dioxane	VOCs	SVOCs	Metals	PCBs/Herbicides /Pesticides	TPH (GRO/DRO)	TOC	
AOPC05- Equipment Cleanout Area by Suffolk County Water Tower													
05	SO	ISP SED 5-1	2	0-2	x	x	x			x		X	H&S concerns. See Section 3.1 for details.
05	SO	ISP SED 5-2	2	0-2	x	x	x			x		X	H&S concerns. See Section 3.1 for details.
05	SO	ISP SED 5-3	2	0-2	x	x	x			x		X	H&S concerns. See Section 3.1 for details.
05	SO	ISP SO 5-1	60	0-2	x	x	x			x		X	Per SCWP
05	SO	ISP SO 5-1	60	20-22	x	x	x					X	Per SCWP
05	SO	ISP SO 5-1	60	53-55	x	x	x					X	Per SCWP
05	GWG	ISP GWG 5-1	60	56-58	x					x			Per SCWP
AOPC06- Old Fire House													
06	GWG	ISP GWG 6-1	45	41-44	x					x			Per SCWP
06	SO	ISP SED 6-1	2	0-2	x					x			Per SCWP
06	SO	ISP SO 6-1	45	0-2	x								Per SCWP
06	SO	REP062321	45	0-2	x								QA/QC Sample. Blind replicate of ISP SO 6-1 (0-2)
AOPC07- Taxiway Runoff Area #1													
07	SO	ISP SO 7-1	41	0-2	x	x	x	x	x	x			Per SCWP
07	SE	ISP SED 7-1	2	0-2	x	x	x	x	x	x			Per SCWP
07	GWG	ISP GWG 7-1	41	38-41	x	x	x	x	x	x			Per SCWP
AOPC08- Glycol Treatment Plant													
08	GWG	ISP GWG 8-1	37	34-37	x	x				x			Per SCWP
AOPC09/AOPC10- Excelaire/Modern Aviation (formerly known as Sheltair)													
09/10	MW	ISP MW 9-1	64	52-62	x	x	x	x	x	x			Per SCWP
09/10	MW	REP081821	64	52-62	x	x	x	x	x	x			QA/QC. Blind replicate of ISP MW 9-1.
AOPC11- Hertz/Avis/Budget													
11	GWG	ISP GWG 11-1	45	42-45	x	x	x			x			Per SCWP
11	GWG	REP062921	45	42-45	x	x	x			x			QA/QC. Blind replicate of ISP GWG 11-1.
11	GWG	ISP GWG 11-2	45	42-45	x	x	x			x			Per SCWP
AOPC12- Whitney Hangar													
12	GWG	ISP GWG 12-1	48	45-48	x	x	x	x	x	x			Per SCWP

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Table 3
Sample Collection and Analyte Details
Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY

AOPC ID	Sample Media	Sample ID	Boring Depth (ft bls)	Sampling Interval (ft bls)	Analytes								Sample Rationale
					PFAS	1,4-Dioxane	VOCs	SVOCs	Metals	PCBs/Herbicides /Pesticides	TPH (GRO/DRO)	TOC	
Site-Wide Monitoring Wells													
Site-Wide	MW	ISP MW-1	69	57-67	x	x	x	x	x	x			Per SCWP
Site-Wide	MW	ISP MW-2	54	42-52	x	x	x	x	x	x			Per SCWP
Site-Wide	MW	ISP MW-3	46	34-44	x	x	x	x	x	x			Per SCWP
Site-Wide	MW	ISP MW-4	56	44-54	x	x	x	x	x	x			Per SCWP
Site-Wide	MW	ISP MW-5	50	38-48	x	x	x	x	x	x			Per SCWP
Site-Wide	SO	ISP MW-5	50	5-8	x							x	Field observation.
Site-Wide	SO	ISP MW-5	50	32-33	x		x					x	Field observation.
Site-Wide	Hydrant Water	Hydrant_022521	NA	NA	x								QA/QC. Concentrations from fire hydrant used for drilling fluid during Sonic rig operation.
Site-Wide	Tote Water Sample	Tote03112021	NA	NA	x	x	x	x		x			QA/QC. Concentrations from water tote used for containing drilling fluid during Sonic rig operation.

Notes and Abbreviations:

SE	Sediment
SO	Soil
GWG	Groundwater Grab
MW	Permanent Monitoring Well
ft bls	feet below land surface
SCWP	Site Characterization Work Plan
QA/QC	Quality Assurance/Quality Control
REP	Blind replicate
H&S	Health and Safety
VOC	Volatile Organic Compound
SVOC	Semi-Volatile Organic Compound
PFAS	Per- and polyfluoroalkyl substances
PCBs	Polychlorinated biphenyls
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline Range Organics
DRO	Diesel Range Organics
TOC	Total Organic Carbon
NA	Not applicable

Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
Ronkonkoma, New York

				AOPC ID	AOPC 01	AOPC 01	AOPC 02	AOPC 02	AOPC 03
				Location ID	ISP SED 1-1	ISP SED 1-2	ISP SED 2-1	ISP SED 2-2	ISP SED 3-1
				Sample Date	2/25/2021	2/25/2021	2/25/2021	2/25/2021	4/16/2021
				Depth Range (ft bls)	0-2	0-2	0-2	0-2	0-2
				Sample ID	ISP SED 1-1	ISP SED 1-2	ISP SED 2-1	ISP SED 2-2	ISP SED 3-1
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
PFAS (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2				**2.35 J**	**0.31 J**	**13.1**	**0.77 J**	--
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4				--	--	**21.6**	**0.97 J**	--
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6				--	--	--	--	--
N-Methylperfluoroocatane sulfonamidoacetic acid (MeFOSAA)	2355-31-9				--	--	--	--	--
Perfluorobutanoic acid (PFBA)	375-22-4				**0.40 J**	**0.077 J**	**0.63 J**	**0.044 J**	**0.062 J**
Perfluorodecane sulfonic acid (PFDS)	335-77-3				**0.55 J**	--	**0.42 J**	--	--
Perfluorodecanoic acid (PFDA)	335-76-2				**7.92**	**0.33**	**0.45 J**	**0.038 J**	**0.41**
Perfluorododecanoic acid (PFDoA)	307-55-1				**15.5**	**1.10**	**1.02 J**	**0.15 J**	**0.28**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8				--	--	--	--	--
Perfluoroheptanoic acid (PFHpA)	375-85-9				**1.23 J**	**0.082 J**	**0.70 J**	--	**0.060 J**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4				--	--	**0.98 J**	**0.080 J**	--
Perfluorohexanoic acid (PFHxA)	307-24-4				**1.80 JZ**	**0.13 J**	**1.26**	**0.071 J**	**0.055 J**
Perfluorononanoic acid (PFNA)	375-95-1				**1.44 J**	**0.11 J**	**0.39 J**	--	**0.15 J**
Perfluorooctane sulfonamide (PFOSA)	754-91-6				--	--	**1.60**	--	--
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	440	440	3.7	--	**0.29 JB**	**6.13**	**0.47 J**	**0.70**
Perfluorooctanoic acid (PFOA)	335-67-1	500	600	1.1	**4.83**	**0.22**	**0.95 J**	--	**0.20**
Perfluoropentanoic acid (PFPeA)	2706-90-3				**2.00 J**	--	**1.34**	--	**0.079 J**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7				**5.55**	**1.61**	**1.59**	**0.15 J**	**0.065 J**
Perfluorotridecanoic acid (PFTrDA)	72629-94-8				**2.35 J**	**0.36**	**2.77**	**0.10 J**	**0.83**
Perfluoroundecanoic acid (PFUdA)	2058-94-8				**3.40**	**0.14 J**	**0.51 JZ**	**0.054 JZ**	**1.43**
Total PFAS	NA	NE	NE	NE	**49.32**	**4.759**	**55.44**	**2.897**	**4.321**
VOCs (mg/kg)									
2-Butanone (MEK)	78-93-3	500	1000	0.12	**0.040**	--	--	--	--
Acetone	67-64-1	500	1000	0.05	**0.096**	--	--	--	--
Benzene	71-43-2	44	89	0.06	--	--	--	--	--
Dichloromethane	75-09-2	500	1000	0.05	**0.0023**	--	--	**0.0020 J**	--
m&p-Xylenes	ARC-mpXyl				--	--	--	--	--
Toluene	108-88-3	500	1000	0.7	--	--	--	--	--
SVOCs (mg/kg)									
Acenaphthene	83-32-9	500	1000	98	--	--	**0.055 J**	--	--
Anthracene	120-12-7	500	1000	1000	--	--	**0.090 J**	--	--
Benz(a)anthracene	56-55-3	5.6	11	1	**0.12**	**0.014 J**	**0.61**	**0.024 J**	--
Benzo(a)pyrene	50-32-8	1	1.1	22	**0.23**	**0.020 J**	**0.86**	**0.048**	--
Benzo(b)fluoranthene	205-99-2	5.6	11	1.7	**0.51**	**0.046**	**1.4**	**0.091**	--
Benzo(g,h,i)perylene	191-24-2	500	1000	1000	**0.22 J**	**0.021 J**	**0.62**	**0.049 J**	--
Benzo(k)fluoranthene	207-08-9	56	110	1.7	**0.24**	**0.018 J**	**0.47**	**0.037**	--
Chrysene	218-01-9	56	110	1	**0.27 J**	**0.024 J**	**0.80**	**0.049 J**	--
Dibenz(a,h)anthracene	53-70-3	0.56	1.1	1000	**0.054**	--	**0.16**	--	--
Dibenzofuran	132-64-9	350	1000	210	--	--	**0.027 J**	--	--

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Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
Ronkonkoma, New York

				AOPC ID	AOPC 01	AOPC 01	AOPC 02	AOPC 02	AOPC 03
				Location ID	ISP SED 1-1	ISP SED 1-2	ISP SED 2-1	ISP SED 2-2	ISP SED 3-1
				Sample Date	2/25/2021	2/25/2021	2/25/2021	2/25/2021	4/16/2021
				Depth Range (ft bls)	0-2	0-2	0-2	0-2	0-2
				Sample ID	ISP SED 1-1	ISP SED 1-2	ISP SED 2-1	ISP SED 2-2	ISP SED 3-1
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
SVOCs (mg/kg) (cont'd)									
Fluoranthene	206-44-0	500	1000	1000	**0.32 J**	**0.026 J**	**1.5**	**0.067 J**	--
Fluorene	86-73-7	500	1000	386	--	--	**0.052 J**	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	5.6	11	8.2	**0.24**	**0.025 J**	**0.69**	**0.054**	--
Naphthalene	91-20-3	500	1000	12	--	--	**0.012 J**	--	--
Pentachlorophenol	87-86-5	6.7	55	0.8	--	--	--	--	--
Phenanthrene	85-01-8	500	1000	1000	**0.13 J**	--	**0.82**	**0.025 J**	--
Pyrene	129-00-0	500	1000	1000	**0.34 J**	**0.026 J**	**1.4**	**0.070 J**	--
Metals (mg/kg)									
Arsenic	7440-38-2	16	16	16	--	--	--	--	--
Barium	7440-39-3	400	10000	820	--	--	--	--	--
Beryllium	7440-41-7	590	2700	47	--	--	--	--	--
Chromium	7440-47-3				--	--	--	--	--
Copper	7440-50-8	270	10000	1720	--	--	--	--	--
Lead	7439-92-1	1000	3900	450	--	--	--	--	--
Manganese	7439-96-5	10000	10000	2000	--	--	--	--	--
Mercury	7439-97-6	2.8	5.7	0.73	--	--	--	--	--
Nickel	7440-02-0	310	10000	130	--	--	--	--	--
Selenium	7782-49-2	1500	6800	4	--	--	--	--	--
Zinc	7440-66-6	10000	10000	2480	--	--	--	--	--
Pesticides (mg/kg)									
4,4-DDD	72-54-8	92	180	14	**0.017**	--	--	--	--
4,4-DDE	72-55-9	62	120	17	**0.0048 J**	--	**0.0097**	--	--
4,4-DDT	50-29-3	47	94	136	**0.0030 Jp**	--	**0.075**	**0.011**	--
Others (mg/kg)									
Total Organic Carbon 1	ARC-TOC1				**36200**	**1940**	**9820**	**2840**	**1990**
C10-C44 Petroleum Hydrocarbons	ARC-C10C44				--	--	--	--	**15**
Gasoline Range Organics	ARC-GRO				--	--	--	--	**2.7**

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Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
Ronkonkoma, New York

				AOPC ID	AOPC 03	AOPC 03	AOPC 03	AOPC 03	AOPC 03
				Location ID	ISP SO 3-1	ISP SO 3-1	ISP SO 3-1	ISP SO 3-2	ISP SO 3-2
				Sample Date	3/8/2021	3/8/2021	3/8/2021	3/15/2021	3/15/2021
				Depth Range (ft bls)	0-2	25-27	50-52	0-2	32-33
				Sample ID	ISP SO 3-1 (0-2)_20210308	ISP SO 3-1 (25-27)_20210308	ISP SO 3-1 (50-52)_20210308	ISP SO 3-2 (0-2)	ISP SO 3-2 (32-33)
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
PFAS (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2				**2.07 J**	**1.82 J**	**1.47 J**	**0.84 J**	**3.25**
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4				**0.58 J**	--	--	--	**8.22**
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6				--	--	--	--	--
N-Methylperfluoroocatane sulfonamidoacetic acid (MeFOSAA)	2355-31-9				--	--	--	--	--
Perfluorobutanoic acid (PFBA)	375-22-4				--	--	--	**0.033 J**	--
Perfluorodecane sulfonic acid (PFDS)	335-77-3				--	--	--	--	--
Perfluorodecanoic acid (PFDA)	335-76-2				**0.15 J**	--	--	**0.75**	**0.059 J**
Perfluorododecanoic acid (PFDoA)	307-55-1				**0.13 J**	--	--	**0.17 J**	--
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8				--	--	--	--	--
Perfluoroheptanoic acid (PFHpA)	375-85-9				**0.077 J**	**0.051 J**	**0.040 J**	**0.038 J**	**0.053 J**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4				**0.048 J**	**0.056 J**	**0.053 J**	**0.045 J**	**0.30**
Perfluorohexanoic acid (PFHxA)	307-24-4				**0.052 J**	**0.045 J**	**0.057 J**	**0.040 J**	**0.11 J**
Perfluorononanoic acid (PFNA)	375-95-1				**0.13 J**	**0.081 J**	--	**0.066 J**	**0.32**
Perfluorooctane sulfonamide (PFOSA)	754-91-6				--	--	--	**0.084 J**	**0.16 J**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	440	440	3.7	**2.46**	**1.04**	**0.50 J**	**1.16 B**	**11.7 B**
Perfluorooctanoic acid (PFOA)	335-67-1	500	600	1.1	**0.092 J**	**0.14 J**	--	**0.16 J**	**0.30**
Perfluoropentanoic acid (PFPeA)	2706-90-3				--	--	--	--	--
Perfluorotetradecanoic acid (PFTeDA)	376-06-7				--	--	--	**0.062 J**	--
Perfluorotridecanoic acid (PFTrDA)	72629-94-8				**0.20 J**	--	--	**0.77**	**0.17 J**
Perfluoroundecanoic acid (PFUdA)	2058-94-8				**0.91**	--	--	**2.85**	**0.28**
Total PFAS	NA	NE	NE	NE	**6.899**	**3.233**	**2.12**	**7.068**	**24.922**
VOCs (mg/kg)									
2-Butanone (MEK)	78-93-3	500	1000	0.12	--	**0.0041 J**	**0.010**	--	--
Acetone	67-64-1	500	1000	0.05	--	**0.014**	**0.025**	--	**0.011**
Benzene	71-43-2	44	89	0.06	--	--	**0.00022 J**	--	--
Dichloromethane	75-09-2	500	1000	0.05	--	--	--	--	--
m&p-Xylenes	ARC-mpXyl				--	--	--	--	--
Toluene	108-88-3	500	1000	0.7	**0.00030 J**	**0.00030 J**	**0.00040 J**	--	--
SVOCs (mg/kg)									
Acenaphthene	83-32-9	500	1000	98	--	--	--	--	--
Anthracene	120-12-7	500	1000	1000	--	--	--	--	--
Benz(a)anthracene	56-55-3	5.6	11	1	**0.040**	--	--	--	--
Benzo(a)pyrene	50-32-8	1	1.1	22	**0.035**	--	--	--	--
Benzo(b)fluoranthene	205-99-2	5.6	11	1.7	**0.056**	--	--	--	--
Benzo(g,h,i)perylene	191-24-2	500	1000	1000	**0.021 J**	--	--	--	--
Benzo(k)fluoranthene	207-08-9	56	110	1.7	**0.018 J**	--	--	--	--
Chrysene	218-01-9	56	110	1	**0.035 J**	--	--	--	--
Dibenz(a,h)anthracene	53-70-3	0.56	1.1	1000	--	--	--	--	--
Dibenzofuran	132-64-9	350	1000	210	--	--	--	--	--

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Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
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				AOPC ID	AOPC 03	AOPC 03	AOPC 03	AOPC 03	AOPC 03
				Location ID	ISP SO 3-1	ISP SO 3-1	ISP SO 3-1	ISP SO 3-2	ISP SO 3-2
				Sample Date	3/8/2021	3/8/2021	3/8/2021	3/15/2021	3/15/2021
				Depth Range (ft bls)	0-2	25-27	50-52	0-2	32-33
				Sample ID	ISP SO 3-1 (0-2)_20210308	ISP SO 3-1 (25-27)_20210308	ISP SO 3-1 (50-52)_20210308	ISP SO 3-2 (0-2)	ISP SO 3-2 (32-33)
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
SVOCs (mg/kg) (cont'd)									
Fluoranthene	206-44-0	500	1000	1000	**0.035 J**	--	--	--	--
Fluorene	86-73-7	500	1000	386	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	5.6	11	8.2	**0.024 J**	--	--	--	--
Naphthalene	91-20-3	500	1000	12	--	--	--	--	--
Pentachlorophenol	87-86-5	6.7	55	0.8	--	--	--	--	--
Phenanthrene	85-01-8	500	1000	1000	**0.012 J**	--	--	--	--
Pyrene	129-00-0	500	1000	1000	**0.036 J**	--	--	--	--
Metals (mg/kg)									
Arsenic	7440-38-2	16	16	16	--	--	--	--	--
Barium	7440-39-3	400	10000	820	--	--	--	--	--
Beryllium	7440-41-7	590	2700	47	--	--	--	--	--
Chromium	7440-47-3				--	--	--	--	--
Copper	7440-50-8	270	10000	1720	--	--	--	--	--
Lead	7439-92-1	1000	3900	450	--	--	--	--	--
Manganese	7439-96-5	10000	10000	2000	--	--	--	--	--
Mercury	7439-97-6	2.8	5.7	0.73	--	--	--	--	--
Nickel	7440-02-0	310	10000	130	--	--	--	--	--
Selenium	7782-49-2	1500	6800	4	--	--	--	--	--
Zinc	7440-66-6	10000	10000	2480	--	--	--	--	--
Pesticides (mg/kg)									
4,4-DDD	72-54-8	92	180	14	--	**0.12**	--	--	--
4,4-DDE	72-55-9	62	120	17	--	**0.011**	--	--	--
4,4-DDT	50-29-3	47	94	136	--	--	--	--	--
Others (mg/kg)									
Total Organic Carbon 1	ARC-TOC1				**830**	--	--	**596**	--
C10-C44 Petroleum Hydrocarbons	ARC-C10C44				**120**	--	**17**	--	--
Gasoline Range Organics	ARC-GRO				--	--	--	--	--

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Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
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				AOPC ID	AOPC 03	AOPC 04	AOPC 04	AOPC 04	AOPC 04
				Location ID	ISP SO 3-2	ISP SED 4-1	ISP SO 4-1	ISP SO 4-1	ISP SO 4-1
				Sample Date	3/15/2021	4/16/2021	3/4/2021	3/4/2021	3/4/2021
				Depth Range (ft bls)	41-43	0-2	0-2	10-15	15-17
				Sample ID	ISP SO 3-2 (41-43)	ISP SED 4-1	ISP SO 4-1 (0-2)_20210304	ISP SO 4-1 (10-12)_20210304	ISP SO 4-1 (15-17)_20210304
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
PFAS (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2				**2.45**	**17.2**	**188**	**237**	**165**
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4				**19.2**	**0.79 J**	**170**	**54.8**	**18.5**
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6				--	--	--	--	--
N-Methylperfluoroocatane sulfonamidoacetic acid (MeFOSAA)	2355-31-9				--	--	--	--	--
Perfluorobutanoic acid (PFBA)	375-22-4				--	**1.00**	**1.25**	**1.07**	**0.78**
Perfluorodecane sulfonic acid (PFDS)	335-77-3				--	--	--	--	--
Perfluorodecanoic acid (PFDA)	335-76-2				**0.12 J**	**0.17 J**	**7.61**	**2.52**	**0.73**
Perfluorododecanoic acid (PFDoA)	307-55-1				--	--	**0.31**	**0.96**	**0.21 J**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8				--	--	--	--	--
Perfluoroheptanoic acid (PFHpA)	375-85-9				**0.072 J**	**1.06**	**1.10**	**0.74**	**0.81**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4				**0.32**	--	--	--	--
Perfluorohexanoic acid (PFHxA)	307-24-4				**0.16 J**	**2.56**	**5.43**	**4.80**	**3.73**
Perfluorononanoic acid (PFNA)	375-95-1				**1.12**	**0.51**	**2.20**	**0.60**	**0.34**
Perfluorooctane sulfonamide (PFOSA)	754-91-6				**0.29**	--	**0.10 J**	**0.13 J**	--
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	440	440	3.7	**19.2 B**	**0.48 J**	**3.50 B**	**0.95 B**	**0.42 JB**
Perfluorooctanoic acid (PFOA)	335-67-1	500	600	1.1	**0.74**	**0.78**	**1.78**	**1.06**	**0.50**
Perfluoropentanoic acid (PFPeA)	2706-90-3				--	**3.28**	**2.26**	**1.96**	**3.30**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7				--	--	**0.13 J**	**0.21 J**	**0.059 J**
Perfluorotridecanoic acid (PFTrDA)	72629-94-8				**0.36**	--	**0.20 J***	**0.24 J***	--
Perfluoroundecanoic acid (PFUdA)	2058-94-8				**0.95**	**0.074 J**	**0.73**	**0.66**	**0.17 J**
Total PFAS	NA	NE	NE	NE	**44.982**	**27.904**	**384.6**	**307.7**	**194.549**
VOCs (mg/kg)									
2-Butanone (MEK)	78-93-3	500	1000	0.12	--	--	--	--	**0.013**
Acetone	67-64-1	500	1000	0.05	**0.012**	**0.011**	--	--	**0.15**
Benzene	71-43-2	44	89	0.06	--	--	--	--	--
Dichloromethane	75-09-2	500	1000	0.05	--	--	--	--	--
m&p-Xylenes	ARC-mpXyl				--	**0.00033 JB**	--	--	--
Toluene	108-88-3	500	1000	0.7	--	--	--	**0.00050 J**	**0.00049 J**
SVOCs (mg/kg)									
Acenaphthene	83-32-9	500	1000	98	--	--	--	--	**0.010 J**
Anthracene	120-12-7	500	1000	1000	--	--	**0.036 J**	--	**0.023 J**
Benz(a)anthracene	56-55-3	5.6	11	1	--	--	**0.092**	--	**0.095**
Benzo(a)pyrene	50-32-8	1	1.1	22	--	--	**0.10**	--	**0.10**
Benzo(b)fluoranthene	205-99-2	5.6	11	1.7	--	--	**0.15**	--	**0.15**
Benzo(g,h,i)perylene	191-24-2	500	1000	1000	--	--	**0.051 J**	--	**0.066 J**
Benzo(k)fluoranthene	207-08-9	56	110	1.7	--	--	**0.045**	--	**0.048**
Chrysene	218-01-9	56	110	1	--	--	**0.11 J**	--	**0.10 J**
Dibenz(a,h)anthracene	53-70-3	0.56	1.1	1000	--	--	--	--	**0.034 J**
Dibenzofuran	132-64-9	350	1000	210	--	--	--	--	--

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				AOPC ID	AOPC 03	AOPC 04	AOPC 04	AOPC 04	AOPC 04
				Location ID	ISP SO 3-2	ISP SED 4-1	ISP SO 4-1	ISP SO 4-1	ISP SO 4-1
				Sample Date	3/15/2021	4/16/2021	3/4/2021	3/4/2021	3/4/2021
				Depth Range (ft bls)	41-43	0-2	0-2	10-15	15-17
				Sample ID	ISP SO 3-2 (41-43)	ISP SED 4-1	ISP SO 4-1 (0-2)_20210304	ISP SO 4-1 (10-12)_20210304	ISP SO 4-1 (15-17)_20210304
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
SVOCs (mg/kg) (cont'd)									
Fluoranthene	206-44-0	500	1000	1000	--	--	**0.16 J**	--	**0.17 J**
Fluorene	86-73-7	500	1000	386	--	--	**0.013 J**	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	5.6	11	8.2	--	--	**0.083**	--	**0.10**
Naphthalene	91-20-3	500	1000	12	--	--	--	--	--
Pentachlorophenol	87-86-5	6.7	55	0.8	--	--	--	--	--
Phenanthrene	85-01-8	500	1000	1000	**0.018 J**	--	**0.098 J**	--	**0.10 J**
Pyrene	129-00-0	500	1000	1000	--	--	**0.13 J**	--	**0.13 J**
Metals (mg/kg)									
Arsenic	7440-38-2	16	16	16	--	--	--	--	--
Barium	7440-39-3	400	10000	820	--	--	--	--	--
Beryllium	7440-41-7	590	2700	47	--	--	--	--	--
Chromium	7440-47-3				--	--	--	--	--
Copper	7440-50-8	270	10000	1720	--	--	--	--	--
Lead	7439-92-1	1000	3900	450	--	--	--	--	--
Manganese	7439-96-5	10000	10000	2000	--	--	--	--	--
Mercury	7439-97-6	2.8	5.7	0.73	--	--	--	--	--
Nickel	7440-02-0	310	10000	130	--	--	--	--	--
Selenium	7782-49-2	1500	6800	4	--	--	--	--	--
Zinc	7440-66-6	10000	10000	2480	--	--	--	--	--
Pesticides (mg/kg)									
4,4-DDD	72-54-8	92	180	14	--	--	--	--	--
4,4-DDE	72-55-9	62	120	17	--	--	**0.0045 J**	--	**0.0033 J**
4,4-DDT	50-29-3	47	94	136	--	--	**0.0064 J**	--	**0.0039 J**
Others (mg/kg)									
Total Organic Carbon 1	ARC-TOC1				--	**7110**	**21000**	--	**11300**
C10-C44 Petroleum Hydrocarbons	ARC-C10C44				--	--	--	--	--
Gasoline Range Organics	ARC-GRO				--	--	--	--	--

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Table 4
Soil and Sediment Analytical Results
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100 Arrival Ave
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				AOPC ID	AOPC 04	AOPC 04	AOPC 04	AOPC 04	AOPC 04
				Location ID	ISP SO 4-1	ISP SO 4-2	ISP SO 4-2	ISP SO 4-2	ISP SO 4-2
				Sample Date	3/4/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021
				Depth Range (ft bls)	55-57	0-2	22.89-24.89	22.89-24.89	42-44
				Sample ID	ISP SO 4-1 (55-57)_20210304	ISP SO 4-2 (0-2)	REP031021	ISP SO 4-2 (22.9-24.9)	ISP SO 4-2 (42-44)
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
PFAS (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2				**9.81**	**282**	--	--	--
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4				**2.56**	--	--	--	--
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6				--	--	--	--	--
N-Methylperfluoroocatane sulfonamidoacetic acid (MeFOSAA)	2355-31-9				--	--	--	--	--
Perfluorobutanoic acid (PFBA)	375-22-4				**0.066 J**	--	**0.56**	**0.53**	**0.080 J**
Perfluorodecane sulfonic acid (PFDS)	335-77-3				--	--	--	--	--
Perfluorodecanoic acid (PFDA)	335-76-2				**0.10 J**	--	--	--	--
Perfluorododecanoic acid (PFDoA)	307-55-1				--	--	--	--	--
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8				--	--	--	--	--
Perfluoroheptanoic acid (PFHpA)	375-85-9				--	**6.82 J**	--	--	--
Perfluorohexane sulfonic acid (PFHxS)	355-46-4				--	--	--	--	--
Perfluorohexanoic acid (PFHxA)	307-24-4				**0.097 J**	**7.03 J**	**0.23**	**0.22**	--
Perfluorononanoic acid (PFNA)	375-95-1				--	--	--	--	--
Perfluorooctane sulfonamide (PFOSA)	754-91-6				--	--	--	--	--
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	440	440	3.7	--	--	--	--	--
Perfluorooctanoic acid (PFOA)	335-67-1	500	600	1.1	--	--	--	--	--
Perfluoropentanoic acid (PFPeA)	2706-90-3				**0.26**	--	**2.83**	**2.65**	**0.32**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7				--	--	--	--	--
Perfluorotridecanoic acid (PFTrDA)	72629-94-8				--	--	--	--	--
Perfluoroundecanoic acid (PFUdA)	2058-94-8				--	--	--	--	--
Total PFAS	NA	NE	NE	NE	**12.893**	**295.85**	**3.62**	**3.4**	**0.4**
VOCs (mg/kg)									
2-Butanone (MEK)	78-93-3	500	1000	0.12	--	--	--	--	--
Acetone	67-64-1	500	1000	0.05	--	**0.0075**	**0.0094**	**0.011**	**0.011**
Benzene	71-43-2	44	89	0.06	--	--	--	--	--
Dichloromethane	75-09-2	500	1000	0.05	--	--	--	--	--
m&p-Xylenes	ARC-mpXyl				--	--	--	--	--
Toluene	108-88-3	500	1000	0.7	**0.00058 J**	--	--	--	--
SVOCs (mg/kg)									
Acenaphthene	83-32-9	500	1000	98	--	--	--	--	--
Anthracene	120-12-7	500	1000	1000	--	**0.020 J**	--	--	--
Benz(a)anthracene	56-55-3	5.6	11	1	--	**0.21**	--	--	--
Benzo(a)pyrene	50-32-8	1	1.1	22	--	**0.23**	--	--	--
Benzo(b)fluoranthene	205-99-2	5.6	11	1.7	--	**0.35**	--	--	--
Benzo(g,h,i)perylene	191-24-2	500	1000	1000	--	**0.15 J**	--	--	--
Benzo(k)fluoranthene	207-08-9	56	110	1.7	--	**0.12**	--	--	--
Chrysene	218-01-9	56	110	1	--	**0.25 J**	--	--	--
Dibenz(a,h)anthracene	53-70-3	0.56	1.1	1000	--	**0.043**	--	--	--
Dibenzofuran	132-64-9	350	1000	210	--	--	--	--	--

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				AOPC ID	AOPC 04	AOPC 04	AOPC 04	AOPC 04	AOPC 04
				Location ID	ISP SO 4-1	ISP SO 4-2	ISP SO 4-2	ISP SO 4-2	ISP SO 4-2
				Sample Date	3/4/2021	3/10/2021	3/10/2021	3/10/2021	3/10/2021
				Depth Range (ft bls)	55-57	0-2	22.89-24.89	22.89-24.89	42-44
				Sample ID	ISP SO 4-1 (55-57)_20210304	ISP SO 4-2 (0-2)	REP031021	ISP SO 4-2 (22.9-24.9)	ISP SO 4-2 (42-44)
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
SVOCs (mg/kg) (cont'd)									
Fluoranthene	206-44-0	500	1000	1000	--	**0.49**	--	--	--
Fluorene	86-73-7	500	1000	386	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	5.6	11	8.2	--	**0.20**	--	--	--
Naphthalene	91-20-3	500	1000	12	--	--	--	--	--
Pentachlorophenol	87-86-5	6.7	55	0.8	--	--	--	--	**0.089 J**
Phenanthrene	85-01-8	500	1000	1000	--	**0.22 J**	--	--	--
Pyrene	129-00-0	500	1000	1000	--	**0.38**	--	--	--
Metals (mg/kg)									
Arsenic	7440-38-2	16	16	16	--	--	--	--	--
Barium	7440-39-3	400	10000	820	--	--	--	--	--
Beryllium	7440-41-7	590	2700	47	--	--	--	--	--
Chromium	7440-47-3				--	--	--	--	--
Copper	7440-50-8	270	10000	1720	--	--	--	--	--
Lead	7439-92-1	1000	3900	450	--	--	--	--	--
Manganese	7439-96-5	10000	10000	2000	--	--	--	--	--
Mercury	7439-97-6	2.8	5.7	0.73	--	--	--	--	--
Nickel	7440-02-0	310	10000	130	--	--	--	--	--
Selenium	7782-49-2	1500	6800	4	--	--	--	--	--
Zinc	7440-66-6	10000	10000	2480	--	--	--	--	--
Pesticides (mg/kg)									
4,4-DDD	72-54-8	92	180	14	--	--	--	--	--
4,4-DDE	72-55-9	62	120	17	**0.0059 J**	--	--	--	--
4,4-DDT	50-29-3	47	94	136	**0.0070 p**	**0.0030 J**	--	--	--
Others (mg/kg)									
Total Organic Carbon 1	ARC-TOC1				**4790**	**6010**	**570**	**370**	**213**
C10-C44 Petroleum Hydrocarbons	ARC-C10C44				--	--	--	--	--
Gasoline Range Organics	ARC-GRO				--	--	--	--	--

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Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
Ronkonkoma, New York

				AOPC ID	AOPC 04	AOPC 05	AOPC 05	AOPC 05	AOPC 05
				Location ID	ISP SO 4-2	ISP SED 5-1	ISP SED 5-2	ISP SED 5-3	ISP SO 5-1
				Sample Date	3/10/2021	6/22/2021	6/22/2021	6/22/2021	6/21/2021
				Depth Range (ft bls)	51-53	0-2	0-2	0-2	0-2
				Sample ID	ISP SO 4-2 (51-53)	ISP SED 5-1 (0-2)	ISP SED 5-2 (0-2)	ISP SED 5-3 (0-2)	ISP SO 5-1 (0-2)
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
PFAS (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2				--	**17.3 J**	--	**4.60 J**	**0.96 J**
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4				--	**23.0**	--	**3.92 J**	**0.39 J**
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6				--	--	--	--	--
N-Methylperfluoroocatane sulfonamidoacetic acid (MeFOSAA)	2355-31-9				--	--	--	--	--
Perfluorobutanoic acid (PFBA)	375-22-4				**0.031 J**	**0.77**	**0.31**	**0.69**	**0.30**
Perfluorodecane sulfonic acid (PFDS)	335-77-3				--	--	--	--	--
Perfluorodecanoic acid (PFDA)	335-76-2				--	**5.26**	**0.87**	**4.63**	**0.85**
Perfluorododecanoic acid (PFDoA)	307-55-1				--	**1.69**	**0.63**	**2.00**	**0.11 J**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8				--	--	--	--	--
Perfluoroheptanoic acid (PFHpA)	375-85-9				--	**0.87**	**0.22**	**1.26**	**0.16 J**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4				--	--	--	**0.069 J**	**0.037 J**
Perfluorohexanoic acid (PFHxA)	307-24-4				--	**1.66**	**0.37**	**1.13**	**0.25 Z**
Perfluorononanoic acid (PFNA)	375-95-1				--	**1.98**	**0.22**	**1.70**	**0.85**
Perfluorooctane sulfonamide (PFOSA)	754-91-6				--	--	--	--	--
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	440	440	3.7	--	**0.37 JZ**	--	**0.75 Z**	**2.41**
Perfluorooctanoic acid (PFOA)	335-67-1	500	600	1.1	--	**1.54**	**0.33**	**1.61**	**0.30**
Perfluoropentanoic acid (PFPeA)	2706-90-3				**0.10 J**	**2.60 ***	**0.76 ***	**2.33 ***	**0.75**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7				--	**0.29**	**0.14 J**	**0.50**	--
Perfluorotridecanoic acid (PFTrDA)	72629-94-8				--	**0.48**	**0.22**	**0.70**	--
Perfluoroundecanoic acid (PFUdA)	2058-94-8				--	**3.95**	**1.32**	**3.59**	**0.41 ***
Total PFAS	NA	NE	NE	NE	**0.131**	**61.76**	**5.39**	**29.479**	**7.777**
VOCs (mg/kg)									
2-Butanone (MEK)	78-93-3	500	1000	0.12	--	--	--	--	--
Acetone	67-64-1	500	1000	0.05	--	**0.31**	--	--	--
Benzene	71-43-2	44	89	0.06	--	--	--	--	--
Dichloromethane	75-09-2	500	1000	0.05	--	--	--	--	--
m&p-Xylenes	ARC-mpXyl				--	--	--	--	--
Toluene	108-88-3	500	1000	0.7	--	--	--	--	**0.00051 J**
SVOCs (mg/kg)									
Acenaphthene	83-32-9	500	1000	98	--	--	--	--	--
Anthracene	120-12-7	500	1000	1000	--	--	--	--	--
Benz(a)anthracene	56-55-3	5.6	11	1	--	--	--	--	--
Benzo(a)pyrene	50-32-8	1	1.1	22	--	--	--	--	--
Benzo(b)fluoranthene	205-99-2	5.6	11	1.7	--	--	--	--	--
Benzo(g,h,i)perylene	191-24-2	500	1000	1000	--	--	--	--	--
Benzo(k)fluoranthene	207-08-9	56	110	1.7	--	--	--	--	--
Chrysene	218-01-9	56	110	1	--	--	--	--	--
Dibenz(a,h)anthracene	53-70-3	0.56	1.1	1000	--	--	--	--	--
Dibenzofuran	132-64-9	350	1000	210	--	--	--	--	--

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Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
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				AOPC ID	AOPC 04	AOPC 05	AOPC 05	AOPC 05	AOPC 05
				Location ID	ISP SO 4-2	ISP SED 5-1	ISP SED 5-2	ISP SED 5-3	ISP SO 5-1
				Sample Date	3/10/2021	6/22/2021	6/22/2021	6/22/2021	6/21/2021
				Depth Range (ft bls)	51-53	0-2	0-2	0-2	0-2
				Sample ID	ISP SO 4-2 (51-53)	ISP SED 5-1 (0-2)	ISP SED 5-2 (0-2)	ISP SED 5-3 (0-2)	ISP SO 5-1 (0-2)
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
SVOCs (mg/kg) (cont'd)									
Fluoranthene	206-44-0	500	1000	1000	--	--	--	--	--
Fluorene	86-73-7	500	1000	386	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	5.6	11	8.2	--	--	--	--	--
Naphthalene	91-20-3	500	1000	12	--	--	--	--	--
Pentachlorophenol	87-86-5	6.7	55	0.8	--	--	--	--	--
Phenanthrene	85-01-8	500	1000	1000	--	--	--	--	--
Pyrene	129-00-0	500	1000	1000	--	--	--	--	--
Metals (mg/kg)									
Arsenic	7440-38-2	16	16	16	--	--	--	--	--
Barium	7440-39-3	400	10000	820	--	--	--	--	--
Beryllium	7440-41-7	590	2700	47	--	--	--	--	--
Chromium	7440-47-3				--	--	--	--	--
Copper	7440-50-8	270	10000	1720	--	--	--	--	--
Lead	7439-92-1	1000	3900	450	--	--	--	--	--
Manganese	7439-96-5	10000	10000	2000	--	--	--	--	--
Mercury	7439-97-6	2.8	5.7	0.73	--	--	--	--	--
Nickel	7440-02-0	310	10000	130	--	--	--	--	--
Selenium	7782-49-2	1500	6800	4	--	--	--	--	--
Zinc	7440-66-6	10000	10000	2480	--	--	--	--	--
Pesticides (mg/kg)									
4,4-DDD	72-54-8	92	180	14	--	--	--	**0.013**	--
4,4-DDE	72-55-9	62	120	17	--	--	**0.0041 J**	**0.24**	**0.0083**
4,4-DDT	50-29-3	47	94	136	--	--	**0.013**	**0.26**	**0.0095**
Others (mg/kg)									
Total Organic Carbon 1	ARC-TOC1				**141**	**9540**	**8060**	**13500**	**2760**
C10-C44 Petroleum Hydrocarbons	ARC-C10C44				--	--	--	--	--
Gasoline Range Organics	ARC-GRO				--	--	--	--	--

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Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
Ronkonkoma, New York

				AOPC ID	AOPC 05	AOPC 05	AOPC 06	AOPC 06	AOPC 06
				Location ID	ISP SO 5-1	ISP SO 5-1	ISP SED 6-1	ISP SO 6-1	ISP SO 6-1
				Sample Date	6/21/2021	6/21/2021	6/23/2021	6/23/2021	6/23/2021
				Depth Range (ft bls)	20-22	53-55	0-2	0-2	0-2
				Sample ID	ISP SO 5-1 (20-22)	ISP SO 5-1 (53-55)	ISP SED 6-1 (0-2)	ISP SO 6-1 (0-2)	REP062321
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
PFAS (ug/kg)									
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2				**34.0**	**35.6**	**24.6**	**3.07 J**	**4.14 J**
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4				--	--	**8.85 J**	**0.61 J**	**0.61 J**
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6				--	--	--	--	--
N-Methylperfluoroocatane sulfonamidoacetic acid (MeFOSAA)	2355-31-9				--	--	--	--	--
Perfluorobutanoic acid (PFBA)	375-22-4				**0.095 J**	**0.045 J**	**0.65**	**0.080 J**	**0.12 J**
Perfluorodecane sulfonic acid (PFDS)	335-77-3				--	--	**0.73**	**0.17 J**	**0.12 J**
Perfluorodecanoic acid (PFDA)	335-76-2				**0.076 J**	--	**1.68 J**	**0.40**	**0.35**
Perfluorododecanoic acid (PFDoA)	307-55-1				--	--	**0.48**	**0.27**	**0.20**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8				--	--	**0.081 J**	--	--
Perfluoroheptanoic acid (PFHpA)	375-85-9				**0.50**	**0.15 J**	**0.45**	**0.082 J**	**0.085 J**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4				**0.045 J**	**0.032 J**	**0.37**	**0.084 J**	**0.088 J**
Perfluorohexanoic acid (PFHxA)	307-24-4				**0.22**	**0.17 J**	**1.64**	**0.15 J**	**0.20**
Perfluorononanoic acid (PFNA)	375-95-1				**1.10**	**0.062 J**	**1.17**	**0.37**	**0.34**
Perfluorooctane sulfonamide (PFOSA)	754-91-6				--	--	**2.05**	**0.60**	**0.47**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	440	440	3.7	**2.11**	--	**19.4**	**2.78**	**2.31**
Perfluorooctanoic acid (PFOA)	335-67-1	500	600	1.1	**2.09**	**1.23**	**0.91**	**0.33**	**0.37**
Perfluoropentanoic acid (PFPeA)	2706-90-3				**0.37**	**0.17 J**	**4.13 J**	**0.44 J**	**0.72 J**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7				--	--	**0.12 J**	**0.11 J**	**0.084 J**
Perfluorotridecanoic acid (PFTrDA)	72629-94-8				--	--	**2.02**	**1.06**	**0.79**
Perfluoroundecanoic acid (PFUdA)	2058-94-8				--	--	**4.20**	**1.64**	**1.53**
Total PFAS	NA	NE	NE	NE	**40.606**	**37.459**	**73.531**	**12.246**	**12.527**
VOCs (mg/kg)									
2-Butanone (MEK)	78-93-3	500	1000	0.12	**0.0034 J**	--	--	--	--
Acetone	67-64-1	500	1000	0.05	**0.016**	**0.0079**	--	--	--
Benzene	71-43-2	44	89	0.06	--	--	--	--	--
Dichloromethane	75-09-2	500	1000	0.05	--	--	--	--	--
m&p-Xylenes	ARC-mpXyl				--	--	--	--	--
Toluene	108-88-3	500	1000	0.7	**0.00025 J**	--	--	--	--
SVOCs (mg/kg)									
Acenaphthene	83-32-9	500	1000	98	--	--	--	--	--
Anthracene	120-12-7	500	1000	1000	--	--	--	--	--
Benz(a)anthracene	56-55-3	5.6	11	1	--	--	--	--	--
Benzo(a)pyrene	50-32-8	1	1.1	22	--	--	--	--	--
Benzo(b)fluoranthene	205-99-2	5.6	11	1.7	--	--	--	--	--
Benzo(g,h,i)perylene	191-24-2	500	1000	1000	--	--	--	--	--
Benzo(k)fluoranthene	207-08-9	56	110	1.7	--	--	--	--	--
Chrysene	218-01-9	56	110	1	--	--	--	--	--
Dibenz(a,h)anthracene	53-70-3	0.56	1.1	1000	--	--	--	--	--
Dibenzofuran	132-64-9	350	1000	210	--	--	--	--	--

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Table 4
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Long Island MacArthur Airport
100 Arrival Ave
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				AOPC ID	AOPC 05	AOPC 05	AOPC 06	AOPC 06	AOPC 06
				Location ID	ISP SO 5-1	ISP SO 5-1	ISP SED 6-1	ISP SO 6-1	ISP SO 6-1
				Sample Date	6/21/2021	6/21/2021	6/23/2021	6/23/2021	6/23/2021
				Depth Range (ft bls)	20-22	53-55	0-2	0-2	0-2
				Sample ID	ISP SO 5-1 (20-22)	ISP SO 5-1 (53-55)	ISP SED 6-1 (0-2)	ISP SO 6-1 (0-2)	REP062321
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**					
SVOCs (mg/kg) (cont'd)									
Fluoranthene	206-44-0	500	1000	1000	--	--	--	--	--
Fluorene	86-73-7	500	1000	386	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	5.6	11	8.2	--	--	--	--	--
Naphthalene	91-20-3	500	1000	12	--	--	--	--	--
Pentachlorophenol	87-86-5	6.7	55	0.8	--	--	--	--	--
Phenanthrene	85-01-8	500	1000	1000	--	--	--	--	--
Pyrene	129-00-0	500	1000	1000	--	--	--	--	--
Metals (mg/kg)									
Arsenic	7440-38-2	16	16	16	--	--	--	--	--
Barium	7440-39-3	400	10000	820	--	--	--	--	--
Beryllium	7440-41-7	590	2700	47	--	--	--	--	--
Chromium	7440-47-3				--	--	--	--	--
Copper	7440-50-8	270	10000	1720	--	--	--	--	--
Lead	7439-92-1	1000	3900	450	--	--	--	--	--
Manganese	7439-96-5	10000	10000	2000	--	--	--	--	--
Mercury	7439-97-6	2.8	5.7	0.73	--	--	--	--	--
Nickel	7440-02-0	310	10000	130	--	--	--	--	--
Selenium	7782-49-2	1500	6800	4	--	--	--	--	--
Zinc	7440-66-6	10000	10000	2480	--	--	--	--	--
Pesticides (mg/kg)									
4,4-DDD	72-54-8	92	180	14	--	--	**0.098 J**	**0.011 JN**	**0.0093 JN**
4,4-DDE	72-55-9	62	120	17	--	--	**0.29**	**0.19**	**0.13**
4,4-DDT	50-29-3	47	94	136	--	--	**3.0**	**0.49**	**0.40**
Others (mg/kg)									
Total Organic Carbon 1	ARC-TOC1				--	**145**	--	--	--
C10-C44 Petroleum Hydrocarbons	ARC-C10C44				--	--	--	--	--
Gasoline Range Organics	ARC-GRO				--	--	--	--	--

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Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
Ronkonkoma, New York

				AOPC ID	AOPC 07	AOPC 07	Site-Wide	Site-Wide
				Location ID	ISP SED 7-1	ISP SO 7-1	ISP MW-05	ISP MW-05
				Sample Date	6/23/2021	6/23/2021	7/15/2021	7/15/2021
				Depth Range (ft bls)	0-2	0-2	5-8	32-33
				Sample ID	ISP SED 7-1 (0-2)	ISP SO 7-1 (0-2)	ISP MW-05 (5-8)	ISP MW-05 (32-33)
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**				
PFAS (ug/kg)								
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2				--	--	--	--
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4				--	--	--	--
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6				--	--	**0.077 J**	--
N-Methylperfluoroocatane sulfonamidoacetic acid (MeFOSAA)	2355-31-9				--	--	**0.067 J**	--
Perfluorobutanoic acid (PFBA)	375-22-4				--	**0.12 J**	--	--
Perfluorodecane sulfonic acid (PFDS)	335-77-3				--	--	--	--
Perfluorodecanoic acid (PFDA)	335-76-2				--	**0.092 J**	**0.23**	--
Perfluorododecanoic acid (PFDoA)	307-55-1				--	--	**0.19 J**	--
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8				--	--	--	--
Perfluoroheptanoic acid (PFHpA)	375-85-9				--	**0.053 J**	**0.091 J**	--
Perfluorohexane sulfonic acid (PFHxS)	355-46-4				--	--	**0.084 J**	--
Perfluorohexanoic acid (PFHxA)	307-24-4				--	**0.084 J**	**0.078 J**	--
Perfluorononanoic acid (PFNA)	375-95-1				--	**0.086 J**	**0.25**	--
Perfluorooctane sulfonamide (PFOSA)	754-91-6				--	--	--	--
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	440	440	3.7	--	--	**0.58 Z**	--
Perfluorooctanoic acid (PFOA)	335-67-1	500	600	1.1	--	**0.090 J**	**0.71**	--
Perfluoropentanoic acid (PFPeA)	2706-90-3				--	**0.11 J**	**0.056 J**	--
Perfluorotetradecanoic acid (PFTeDA)	376-06-7				--	--	**0.095 J**	--
Perfluorotridecanoic acid (PFTrDA)	72629-94-8				--	**0.051 J**	**0.16 J**	--
Perfluoroundecanoic acid (PFUdA)	2058-94-8				--	**0.091 J**	**0.37**	--
Total PFAS	NA	NE	NE	NE	0	**0.777**	**3.038**	0
VOCs (mg/kg)								
2-Butanone (MEK)	78-93-3	500	1000	0.12	--	--	--	**0.0035 J**
Acetone	67-64-1	500	1000	0.05	--	--	--	**0.018**
Benzene	71-43-2	44	89	0.06	--	--	--	--
Dichloromethane	75-09-2	500	1000	0.05	--	--	--	--
m&p-Xylenes	ARC-mpXyl				--	--	--	--
Toluene	108-88-3	500	1000	0.7	--	**0.0013**	--	--
SVOCs (mg/kg)								
Acenaphthene	83-32-9	500	1000	98	--	--	--	--
Anthracene	120-12-7	500	1000	1000	--	--	--	--
Benz(a)anthracene	56-55-3	5.6	11	1	--	**0.024 J**	--	--
Benzo(a)pyrene	50-32-8	1	1.1	22	--	**0.026 J**	--	--
Benzo(b)fluoranthene	205-99-2	5.6	11	1.7	--	**0.042**	--	--
Benzo(g,h,i)perylene	191-24-2	500	1000	1000	--	**0.020 J**	--	--
Benzo(k)fluoranthene	207-08-9	56	110	1.7	--	**0.015 J**	--	--
Chrysene	218-01-9	56	110	1	--	**0.028 J**	--	--
Dibenz(a,h)anthracene	53-70-3	0.56	1.1	1000	--	--	--	--
Dibenzofuran	132-64-9	350	1000	210	--	--	--	--

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Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
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				AOPC ID	AOPC 07	AOPC 07	Site-Wide	Site-Wide
				Location ID	ISP SED 7-1	ISP SO 7-1	ISP MW-05	ISP MW-05
				Sample Date	6/23/2021	6/23/2021	7/15/2021	7/15/2021
				Depth Range (ft bls)	0-2	0-2	5-8	32-33
				Sample ID	ISP SED 7-1 (0-2)	ISP SO 7-1 (0-2)	ISP MW-05 (5-8)	ISP MW-05 (32-33)
Analyte	**CAS RN**	**SCG Commercial Use**	**SCG Industrial Use**	**SCG PGW**				
SVOCs (mg/kg) (cont'd)								
Fluoranthene	206-44-0	500	1000	1000	--	**0.046 J**	--	--
Fluorene	86-73-7	500	1000	386	--	--	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	5.6	11	8.2	--	**0.021 J**	--	--
Naphthalene	91-20-3	500	1000	12	--	--	--	--
Pentachlorophenol	87-86-5	6.7	55	0.8	--	--	--	--
Phenanthrene	85-01-8	500	1000	1000	--	**0.017 J**	--	--
Pyrene	129-00-0	500	1000	1000	--	**0.041 J**	--	--
Metals (mg/kg)								
Arsenic	7440-38-2	16	16	16	**0.98 J**	**1.3**	--	--
Barium	7440-39-3	400	10000	820	**1.3 J**	**6.3**	--	--
Beryllium	7440-41-7	590	2700	47	**0.065 J**	**0.096 J**	--	--
Chromium	7440-47-3				**1.6 J**	**4.2**	--	--
Copper	7440-50-8	270	10000	1720	**2.0 J**	**5.4**	--	--
Lead	7439-92-1	1000	3900	450	**1.1**	**5.2**	--	--
Manganese	7439-96-5	10000	10000	2000	**22.6**	**35.2**	--	--
Mercury	7439-97-6	2.8	5.7	0.73	**0.0045 J**	**0.015 J**	--	--
Nickel	7440-02-0	310	10000	130	**1.2 J**	**2.5**	--	--
Selenium	7782-49-2	1500	6800	4	--	**0.12 J**	--	--
Zinc	7440-66-6	10000	10000	2480	**2.9 J**	**9.8**	--	--
Pesticides (mg/kg)								
4,4-DDD	72-54-8	92	180	14	--	--	--	--
4,4-DDE	72-55-9	62	120	17	--	--	--	--
4,4-DDT	50-29-3	47	94	136	--	--	--	--
Others (mg/kg)								
Total Organic Carbon 1	ARC-TOC1				--	--	**35000**	**1810**
C10-C44 Petroleum Hydrocarbons	ARC-C10C44				--	--	--	--
Gasoline Range Organics	ARC-GRO				--	--	--	--

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Table 4
Soil and Sediment Analytical Results
Long Island MacArthur Airport
100 Arrival Ave
Ronkonkoma, New York

Footnotes and abbreviations

Only detections are included. Results are validated per SCWP.
Samples were analyzed per parameters and analytical methods specified in the SCWP. 1,4-Dioxane, PCBs and Herbicides were not detected in any samples at concentrations above reporting limits.
SCGs are presented in Table 5-1.
Total PFAS is calculated as sum of the detections.
TOC and TPH were analyzed on selective samples to aid evaluation of PFAS transport.
Bold value indicates a detection.

	Indicates an exceedance of PGW
AOPC	Area of Potential Concern
CAS RN	CAS Registry Number®
NYSDEC	New York State Department of Environmental Conservation
PGW	Protection of Groundwater
SCWP	Site Characterization Work Plan
PFAS	Per- and polyfluoroalkyl substances
VOC	Volatile Organic Compound
SVOC	Semi-Volatile Organic Compound
TOC	Total Organic Carbon
TPH	Total Petroleum Hydrocarbon
PCBs	Polychlorinated biphenyls
mg/kg	Milligrams per kilogram
ug/kg	Micrograms per kilogram
SCGs	Standards, criteria and guidelines
REP	Blind replicate
B	Compound detected in associated blank sample
J	Value is estimated
--	Not analyzed or results are below method detection limits
NA	Not applicable
NE	Not established

Table 5
Groundwater Grab and Stormwater Analytical Results
Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY

		AOPC ID	AOPC 01	AOPC 02	AOPC 03	AOPC 04	AOPC 05	AOPC 06	AOPC 07	AOPC 08	AOPC 11	AOPC 11	AOPC 11
		Location ID	ISP SW 1-1	ISP SW 2-1	ISP GWG 3-1	ISP GWG 4-1	ISP GWG 5-1	ISP GWG 6-1	ISP GWG 7-1	ISP GWG 8-1	ISP GWG 11-1	ISP GWG 11-1	ISP GWG 11-2
		Sample Date	4/16/2021	4/16/2021	3/9/2021	3/5/2021	6/22/2021	6/23/2021	6/24/2021	6/28/2021	6/29/2021	6/29/2021	6/30/2021
		Sample ID	ISP SW 1-1_20210416	ISP SW 2-1_20210416	ISP GWG 3-1_20210309	ISP GWG 4-1_20210305	ISP GWG 5-1_20210622	ISP GWG 6-1_20210623	ISP GWG 7-1_062421	ISP GWG 8-1_20210628	ISP GWG 11-1_20210629	REP062921	ISP GWG 11-2_20210630
Analyte Group (unit)	**CAS RN**	**SCGs**											
PFAS (ng/L)													
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2	100	**3.88 J**	**12.0**	**10100 J**	**20.7**	**352**	**44800 D**	**2.81 J**	--	**5.25**	**3.28 J**	--
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4	100	**1.09 J**	**2.08**	--	**3.95**	--	**638**	--	--	**0.40 J**	--	**25.0**
Perfluorobutane sulfonic acid (PFBS)	375-73-5	100	--	--	--	**1.49 J**	**2.82**	--	**0.80 J**	--	**20.1**	**12.1**	--
Perfluorobutanoic acid (PFBA)	375-22-4	100	**11.7**	**2.23 J**	**383 J**	**6.58**	**217**	**1570**	**8.05**	**263 J**	**25.7**	**17.9**	--
Perfluorodecanoic acid (PFDA)	335-76-2	100	**27.1**	**1.46 J**	--	**0.66 J**	--	--	**0.40 J**	--	**1.04 J**	**0.87 J**	--
Perfluorododecanoic acid (PFDoA)	307-55-1	100	**4.61**	**1.41 J**	--	--	--	--	--	--	--	--	--
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	100	--	--	**996**	--	--	**90.6 J**	--	--	**1.35 J**	**0.96 J**	--
Perfluoroheptanoic acid (PFHpA)	375-85-9	100	**16.2**	**1.47 J**	**819**	**3.48**	**119**	**1420**	**1.45 J**	**669**	**34.3**	**23.8**	**30.1**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	100	--	--	**4000**	**1.67 J**	**7.34**	**444**	**0.52 J**	--	**17.9**	**12.6**	**9.27 J**
Perfluorohexanoic acid (PFHxA)	307-24-4	100	**18.6**	**2.25**	**1440**	**7.43**	**374**	**3890**	**2.74**	**953**	**66.7**	**47.7**	**52.1**
Perfluorononanoic acid (PFNA)	375-95-1	100	**14.9**	**0.55 J**	**1200**	**0.78 J**	**5.63**	**143 J**	**2.02**	**94.4 J**	**5.99**	**4.41**	**7.18 J**
Perfluorooctane sulfonamide (PFOSA)	754-91-6	100	--	--	--	**1.15 J**	--	--	--	--	**1.32 J**	--	**481**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	10	**2.20**	**1.63 J**	**22600**	**2.87**	**40.9**	**4290**	**3.17**	--	**66.6**	**51.0**	**502**
Perfluorooctanoic acid (PFOA)	335-67-1	10	**41.2**	**1.45 J**	**1320**	**5.97**	**39.6**	**1000**	**6.55**	**3030**	**61.0**	**49.0**	**37.2**
Perfluoropentanoic acid (PFPeA)	2706-90-3	100	**19.6**	**6.03**	**1780**	**22.1**	**749**	**9070**	**2.61**	**1130**	**89.7**	**61.3**	**70.0**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	100	**0.89 J**	**0.86 J**	--	--	--	--	--	--	--	--	--
Perfluoroundecanoic acid (PFUdA)	2058-94-8	100	**1.66 J**	--	--	--	--	--	--	--	--	--	--
Total PFAS	NA	500	**163.63**	**33.42**	**44638**	**78.83**	**1907.29**	**67355.6**	**31.12**	**6139.4**	**397.35**	**284.92**	**1213.85**
VOCs (ug/L)													
Acetone	67-64-1	50	**11**	--	--	--	--	--	--	--	--	--	--
Chloroform	67-66-3	7	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	74-87-3	5	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane	75-09-2	5	--	--	--	--	--	--	--	--	--	**0.49 J**	--
Total VOCs	NA	NE	**11**	--	--	--	--	--	--	--	--	**0.49**	--
SVOCs (ug/L)													
Anthracene	120-12-7	50	--	--	**1.3 J**	--	--	--	--	--	--	--	--
Fluoranthene	206-44-0	50	--	--	**1.3 J**	--	--	--	**1.6 J**	--	--	--	--
Fluorene	86-73-7	50	--	--	**1.8 J**	--	--	--	--	--	--	--	--
Phenanthrene	85-01-8	50	--	--	**11**	--	--	--	**1.9 J**	--	--	--	--
Pyrene	129-00-0	50	--	--	**1.8 J**	--	--	--	**2.1 J**	--	--	--	--
Metals (ug/L)													
Arsenic	7440-38-2	25	--	--	--	--	--	--	**1.4 J**	--	--	--	--
Barium	7440-39-3	1000	--	--	--	--	--	--	**232**	--	--	--	--
Beryllium	7440-41-7	3	--	--	--	--	--	--	**0.62 J**	--	--	--	--
Cadmium	7440-43-9	5	--	--	--	--	--	--	**0.58 J**	--	--	--	--
Chromium	7440-47-3	50	--	--	--	--	--	--	**207**	--	--	--	--
Copper	7440-50-8	200	--	--	--	--	--	--	**118**	--	--	--	--
Lead	7439-92-1	25	--	--	--	--	--	--	**41.2**	--	--	--	--
Manganese	7439-96-5	300	--	--	--	--	--	--	**3460**	--	--	--	--
Mercury	7439-97-6	0.7	--	--	--	--	--	--	**0.26**	--	--	--	--
Nickel	7440-02-0	100	--	--	--	--	--	--	**77.8**	--	--	--	--
Selenium	7782-49-2	10	--	--	--	--	--	--	--	--	--	--	--
Zinc	7440-66-6	2000	--	--	--	--	--	--	**1070**	--	--	--	--
Others (ug/L)													
TOC	NA	NE	--	--	**1210**	**1760**	--	--	--	--	--	--	--
C10-C44 Petroleum Hydrocarbons	NA	NE	--	--	**350**	--	--	--	--	--	--	--	--

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Table 5
Groundwater Grab and Stormwater Analytical Results
Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY

		AOPC ID Location ID Sample Date Sample ID	AOPC 12 ISP GWG 12-1 6/25/2021 ISP GWG 12-1_062521	Site-Wide Hydrant 2/25/2021 HYDRANT_022521	Site-Wide TOTE 3/11/2021 TOTE03112021
Analyte Group (unit)	**CAS RN**	**SCGs**			
PFAS (ng/L)					
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2	100	--	--	--
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4	100	**0.51 J**	--	--
Perfluorobutane sulfonic acid (PFBS)	375-73-5	100	**1.21 J**	**0.88 J**	**0.51 J**
Perfluorobutanoic acid (PFBA)	375-22-4	100	**13.1**	--	--
Perfluorodecanoic acid (PFDA)	335-76-2	100	**0.69 J**	--	--
Perfluorododecanoic acid (PFDoA)	307-55-1	100	--	--	--
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	100	**0.98 J**	--	--
Perfluoroheptanoic acid (PFHpA)	375-85-9	100	**7.77**	**0.72 J**	**0.40 J**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	100	**6.87**	**2.15**	**1.19 J**
Perfluorohexanoic acid (PFHxA)	307-24-4	100	**32.3**	**1.63 J**	**1.13 J**
Perfluorononanoic acid (PFNA)	375-95-1	100	**2.01**	--	--
Perfluorooctane sulfonamide (PFOSA)	754-91-6	100	--	--	--
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	10	**54.8**	**3.25**	**1.95**
Perfluorooctanoic acid (PFOA)	335-67-1	10	**62.8**	**1.96**	**1.21 J**
Perfluoropentanoic acid (PFPeA)	2706-90-3	100	**22.8**	**1.56 J**	**0.99 J**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	100	--	--	--
Perfluoroundecanoic acid (PFUdA)	2058-94-8	100	--	--	--
Total PFAS	NA	500	**205.84**	**12.15**	**7.38**
VOCs (ug/L)					
Acetone	67-64-1	50	--	--	--
Chloroform	67-66-3	7	--	--	--
Chloromethane	74-87-3	5	--	--	--
Dichloromethane	75-09-2	5	--	--	--
Total VOCs	NA	NE	--	--	--
SVOCs (ug/L)					
Anthracene	120-12-7	50	--	--	--
Fluoranthene	206-44-0	50	--	--	--
Fluorene	86-73-7	50	--	--	--
Phenanthrene	85-01-8	50	--	--	--
Pyrene	129-00-0	50	--	--	--
Metals (ug/L)					
Arsenic	7440-38-2	25	**3.7**	--	--
Barium	7440-39-3	1000	**39.7**	--	--
Beryllium	7440-41-7	3	**0.35 J**	--	--
Cadmium	7440-43-9	5	--	--	--
Chromium	7440-47-3	50	**98.3**	--	--
Copper	7440-50-8	200	**34.3**	--	--
Lead	7439-92-1	25	**12.8**	--	--
Manganese	7439-96-5	300	**2860**	--	--
Mercury	7439-97-6	0.7	--	--	--
Nickel	7440-02-0	100	**27.2**	--	--
Selenium	7782-49-2	10	--	--	--
Zinc	7440-66-6	2000	**56.1**	--	--
Others (ug/L)					
TOC	NA	NE	--	--	--
C10-C44 Petroleum Hydrocarbons	NA	NE	--	--	--

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Table 5
Groundwater Grab and Stormwater Analytical Results
Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY

Notes and Abbreviations:

Only detections are included. Results are validated per SCWP.
Samples were analyzed per parameters and analytical methods specified in the SCWP. 1,4-Dioxane, PCBs, Pesticides and Herbicides were not detected in any samples at concentrations above reporting limits.
SCGs are presented in Table 5-1.
Total PFAS and total VOCs are calculated as sum of the detections.
TOC and TPH were analyzed on selective samples to aid evaluation of PFAS transport.

Bold value indicates a detection.

	indicates an exceedance
AOPC	Area of Potential Concern
CAS RN	CAS Registry Number®
SCWP	Site Characterization Work Plan
SCGs	Standards, criteria and guidelines
REP	Blind replicate
NYSDEC	New York State Department of Environmental Conservation
VOC	Volatile Organic Compound
SVOC	Semi-Volatile Organic Compound
PCBs	Polychlorinated biphenyls
ng/L	Nanogram per liter
ug/L	Micrograms per liter
J	Value is estimated
--	Not analyzed or results are below method detection limits
NA	Not applicable
NE	Not established
D	Concentration is based on a diluted sample analysis
TPH	Total Petroleum Hydrocarbons
TOC	Total Organic Carbon

Table 6
Groundwater Sampling Analytical Results
Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY

		AOPC ID	AOPC 03	AOPC 04	AOPC 09/10	AOPC 09/10	Site-Wide	Site-Wide	Site-Wide	Site-Wide	Site-Wide
		Location ID	ISP MW 3-1	ISP MW 4-1	ISP MW 9-1	ISP MW 9-1	ISP MW-01	ISP MW-02	ISP MW-03	ISP MW-04	ISP MW-05
		Sample Date	8/17/2021	8/18/2021	8/18/2021	8/18/2021	8/18/2021	8/20/2021	8/19/2021	8/20/2021	8/19/2021
		Sample ID	ISP MW 3-1_20210817	ISP MW 4-1_20210818	ISP MW 9-1_20210818	REP081821	ISP MW-01_20210818	ISP MW-02_20210820	ISP MW-03_20210819	ISP MW-04_20210820	ISP MW-05_20210819
Analyte Group (unit)	**CAS RN**	**SCGs**									
PFAS (ng/L)											
6:2 Fluorotelomer sulfonic acid (6:2 FTSA)	27619-97-2	100	**5170**	--	--	--	--	--	--	--	--
8:2 Fluorotelomer sulfonic acid (8:2 FTSA)	39108-34-4	100	**295**	--	--	--	--	--	--	--	--
Perfluorobutane sulfonic acid (PFBS)	375-73-5	100	--	--	**2.87**	**2.79**	**1.51 J**	**0.69 J**	**1.31 J**	**0.92 J**	**0.57 J**
Perfluorobutanoic acid (PFBA)	375-22-4	100	**377 J**	**1900**	**9.36**	**8.72**	**9.75**	**2.48 J**	**6.89**	**4.70**	**2.57 J**
Perfluorodecanoic acid (PFDA)	335-76-2	100	--	--	**0.48 J**	**0.40 J**	--	**0.38 J**	--	--	--
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	100	**193**	--	**0.45 J**	**0.35 J**	--	--	--	--	--
Perfluoroheptanoic acid (PFHpA)	375-85-9	100	**934**	**504**	**6.73**	**6.03**	**2.71**	**2.33**	**6.37**	**4.59**	**2.44**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	100	**1150**	--	**38.9**	**36.2**	**4.46 J**	**6.60**	**7.32**	**4.28**	**2.58**
Perfluorohexanoic acid (PFHxA)	307-24-4	100	**1080**	**5950**	**11.2**	**10.5**	**6.55**	**3.07**	**10.9**	**6.27**	**2.70**
Perfluorononanoic acid (PFNA)	375-95-1	100	**359**	--	**1.01 J**	**1.01 J**	**0.25 J**	**0.85 J**	**2.70**	**0.28 J**	--
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	10	**7340**	--	**12.4**	**11.9**	**5.71**	**50.0**	**30.2**	**3.48**	--
Perfluorooctanoic acid (PFOA)	335-67-1	10	**834**	--	**19.8**	**19.8**	**5.19**	**3.83**	**8.03**	**6.48**	**4.90**
Perfluoropentanoic acid (PFPeA)	2706-90-3	100	**1340**	**11400**	**7.52**	**7.35**	**6.49**	**2.66**	**13.1**	**9.05**	**2.18**
Total PFAS	NA	500	**19072**	**19754**	**110.72**	**105.05**	**42.62**	**72.89**	**86.82**	**40.05**	**17.94**
VOCs (ug/L)											
Acetone	67-64-1	50	--	--	--	--	--	**9.7**	--	**5.2**	--
Chloroform	67-66-3	7	--	--	--	--	**1.3**	**1.4**	--	--	--
Chloromethane	74-87-3	5	--	--	**0.47 J**	--	--	--	--	--	--
Total VOCs	NA	NE	--	--	**0.47**	--	**1.3**	**11.1**	--	**5.2**	--
1,4-Dioxane (ug/L)											
1,4-Dioxane	123-91-1	NE	--	--	--	--	--	--	**0.23**	--	--
Metals (ug/L)											
Barium, total	7440-39-3	1000	--	--	**13.8**	**13.9**	**94.6**	**24.0**	**42.7**	**48.5**	**29.3**
Barium, dissolved	7440-39-3	1000	--	--	**14.1**	**14.1**	**95.5**	**22.3**	**44.3**	**48.0**	**30.7**
Beryllium, total	7440-41-7	3	--	--	**0.46 J**	**0.45 J**	--	--	--	--	--
Beryllium, dissolved	7440-41-7	3	--	--	**0.41 J**	**0.35 J**	--	--	--	--	--
Chromium, total	7440-47-3	50	--	--	**3.7 J**	**3.8 J**	**4.0**	**9.5**	--	--	**2.7 J**
Chromium, dissolved	7440-47-3	50	--	--	--	--	--	--	--	--	--
Copper, total	7440-50-8	200	--	--	**15.5**	**17.1**	**10.3**	**4.0**	**3.7 J**	**3.8 J**	**8.3**
Copper, dissolved	7440-50-8	200	--	--	**14.3**	**15.3**	**5.6**	--	--	--	--
Lead, total	7439-92-1	25	--	--	**1.1 J**	**1.1 J**	--	**0.88 J**	--	--	--
Lead, dissolved	7439-92-1	25	--	--	--	--	--	--	--	--	--
Manganese, total	7439-96-5	300	--	--	**485**	**484**	**202**	**72.6**	**269**	**247**	**67.9**
Manganese, dissolved	7439-96-5	300	--	--	**469**	**495**	**190**	**42.0**	**212**	**222**	**63.4**
Mercury, total	7439-97-6	0.7	--	--	--	--	--	--	**0.12 J**	**0.11 J**	**0.092 J**

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Table 6
Groundwater Sampling Analytical Results
Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY

		AOPC ID	AOPC 03	AOPC 04	AOPC 09/10	AOPC 09/10	Site-Wide	Site-Wide	Site-Wide	Site-Wide	Site-Wide
		Location ID	ISP MW 3-1	ISP MW 4-1	ISP MW 9-1	ISP MW 9-1	ISP MW-01	ISP MW-02	ISP MW-03	ISP MW-04	ISP MW-05
		Sample Date	8/17/2021	8/18/2021	8/18/2021	8/18/2021	8/18/2021	8/20/2021	8/19/2021	8/20/2021	8/19/2021
		Sample ID	ISP MW 3-1_20210817	ISP MW 4-1_20210818	ISP MW 9-1_20210818	REP081821	ISP MW-01_20210818	ISP MW-02_20210820	ISP MW-03_20210819	ISP MW-04_20210820	ISP MW-05_20210819
Analyte Group (unit)	**CAS RN**	**SCGs**									
Mercury, dissolved	7439-97-6	0.7	--	--	--	--	--	--	--	--	--
Nickel, total	7440-02-0	100	--	--	**22.7**	**22.5**	**3.4 J**	**2.2 J**	**3.7 J**	**9.1**	**7.3**
Nickel, dissolved	7440-02-0	100	--	--	**22.8**	**23.7**	**3.4 J**	**1.6 J**	**3.7 J**	**8.8**	**8.2**
Selenium, total	7782-49-2	10	--	--	--	--	**0.88 J**	--	--	--	--
Selenium, dissolved	7782-49-2	10	--	--	--	--	**0.87 J**	--	--	--	--
Zinc, total	7440-66-6	2000	--	--	**37.3**	**40.4**	--	**10.2 J**	--	**18.9**	--
Zinc, dissolved	7440-66-6	2000	--	--	**36.3**	**37.5**	--	**--**	--	**11.9 J**	--

Notes and Abbreviations:
Only detections are included. Results are validated per SCWP.
Samples were analyzed per parameters and analytical methods specified in the SCWP. PCBs, Pesticides and Herbicides were not detected in any samples at concentrations above reporting limits.
SCGs are presented in Table 5-1.
Total PFAS and total VOCs are calculated as sum of the detections.

Bold value indicates a detection.

	indicates an exceedance
AOPC	Area of Potential Concern
CAS RN	CAS Registry Number®
NYSDEC	New York State Department of Environmental Conservation
SCWP	Site Characterization Work Plan
SCGs	Standards, criteria and guidelines
REP	Blind replicate
PFAS	Per- and polyfluoroalkyl substances
VOC	Volatile Organic Compound
SVOC	Semi-Volatile Organic Compound
PCBs	Polychlorinated biphenyls
ng/L	Nanogram per liter
ug/L	Micrograms per liter
J	Value is estimated
--	Results are below method detection limits
NA	Not applicable
NE	Not established

Table 7
Monitoring Well Construction and Survey Details
Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY

Well Identification	AOPC ID	Casing/Screen Material [1]	Well Diameter (in)	Surface Casing	Land Surface Elevation (ft msl)	Measuring Point Elevation [2] (ft msl)	Monitoring Well Screened Interval (ft bls)			Monitoring Well Screened Elevation [3] (ft msl)			Total Depth (ft bls)	Installation Date	Easting	Northing
ISP MW-1	Site-Wide	Sch. 40 PVC/SS	4	Stick-up	104.54	103.79	57	-	67	46.79	-	36.79	69	7/23/2021	234433.58	1234354.53
ISP MW-2	Site-Wide	Sch. 40 PVC/SS	4	Stick-up	81.80	81.34	42	-	52	39.34	-	29.34	54	7/21/2021	226410.14	1231159.73
ISP MW-3	Site-Wide	Sch. 40 PVC/SS	4	Stick-up	73.79	73.26	34	-	44	39.26	-	29.26	46	7/19/2021	226788.81	1234140.68
ISP MW-4	Site-Wide	Sch. 40 PVC/SS	4	Stick-up	81.85	81.50	44	-	54	37.50	-	27.50	56	7/27/2021	227169.71	1229255.99
ISP MW-5	Site-Wide	Sch. 40 PVC/SS	4	Stick-up	78.45	77.79	38	-	48	39.79	-	29.79	50	7/16/2021	227172.51	1237089.15
ISP MW 3-1	AOPC 03	Sch. 40 PVC/SS	4	Stick-up	91.97	91.47	47	-	57	44.47	-	34.47	59	3/16/2021	231719.30	1235168.21
ISP MW 4-1	AOPC 04	Sch. 40 PVC/SS	4	Stick-up	100.24	99.86	55	-	65	44.86	-	34.86	67	3/11/2021	233711.06	1231776.37
ISP MW 9-1	AOPC 09	Sch. 40 PVC/SS	4	Stick-up	92.67	92.08	52	-	62	40.08	-	30.08	64	7/22/2021	230102.69	1230612.28

Notes and Abbreviations:

Elevations were surveyed to North American Vertical Datum (NAVD) (1988). Northing and easting surveyed to North American Datum (NAD) (1983).

(1)	All monitoring wells have a 0.02 in. slot screen openings.
(2)	Measuring point elevation is top of inner casing.
(3)	Screen elevation calculated using measuring point elevation.
ft bmp	Feet below measuring point
ft msl	Feet relative to mean sea level
Sch.	Schedule
PVC	Polyvinyl chloride
SS	Stainless steel
AOPC	Area of potential concern

Table 8
Water Level Measurement Data
Long Island MacArthur Airport
100 Arrival Ave, Ronkonkoma NY

Well Identification	AOPC Identification	Ownership	Measuring Point Elevation (ft msl)	Depth to Water 05/21/2020 (ft bmp)	Water-Level Elevation 5/21/2020 (ft msl)	Depth to Water 08/19/2021 (ft bmp)	Water-Level Elevation 08/19/2021 (ft msl)
ISP MW-1	Site-Wide	ISP	103.79	NA	NA	58.42	45.37
ISP MW-2	Site-Wide	ISP	81.34	NA	NA	45.07	36.27
ISP MW-3	Site-Wide	ISP	73.26	NA	NA	38.49	34.77
ISP MW-4	Site-Wide	ISP	81.50	NA	NA	44.85	36.65
ISP MW-5	Site-Wide	ISP	77.79	NA	NA	39.33	38.46
ISP MW 3-1	AOPC 03	ISP	91.47	NA	NA	48.77	42.70
ISP MW 4-1	AOPC 04	ISP	99.86	NA	NA	55.68	44.18
ISP MW 9-1	AOPC 09	ISP	92.08	NA	NA	51.93	40.15
MW 13-2	AOPC 13	CAMCO	96.93	54.63	42.30	55.17	41.76
MW 13-4	AOPC 13	CAMCO	96.13	54.14	41.99	54.69	41.44
MW 13-6	AOPC 13	CAMCO	95.58	53.46	42.12	54.03	41.55
TRC-AV1	AOPC 11	Hertz/Avis	80.44	41.53	38.91	41.87	38.57

Notes and Abbreviations:

Measuring point is top of casing unless otherwise noted.

Meauring point elevation of MW 13-2, MW 13-4 and MW 13-6 are from CAMCO Site Management Plan (EnviroTrac, December 2015).

ft msl feet relative to mean sea level

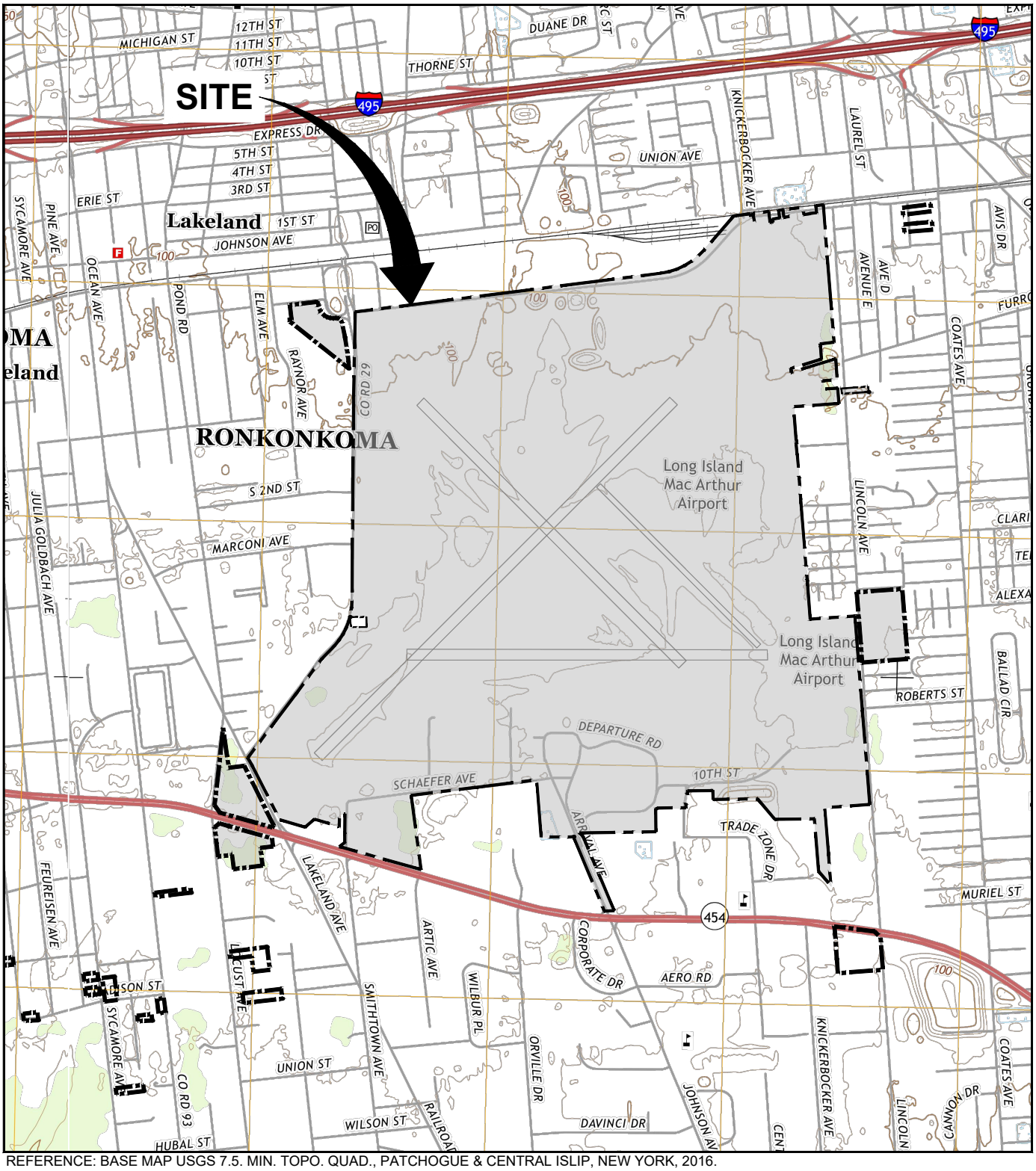
ft bmp feet below measuring point

AOPC Area of potential concern

ISP Town of Islip

NA Not Applicable

Figures



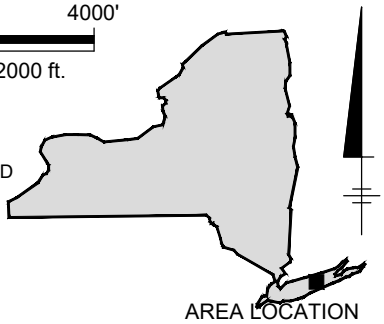
REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., PATCHOGUE & CENTRAL ISLIP, NEW YORK, 2016.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.

NOTE:

PARCEL BOUNDARY DATA OBTAINED FROM SUFFOLK COUNTY, REAL PROPERTY TAX SERVICE AGENCY GEOGRAPHICAL INFORMATION SYSTEMS.



AREA LOCATION
NEW YORK

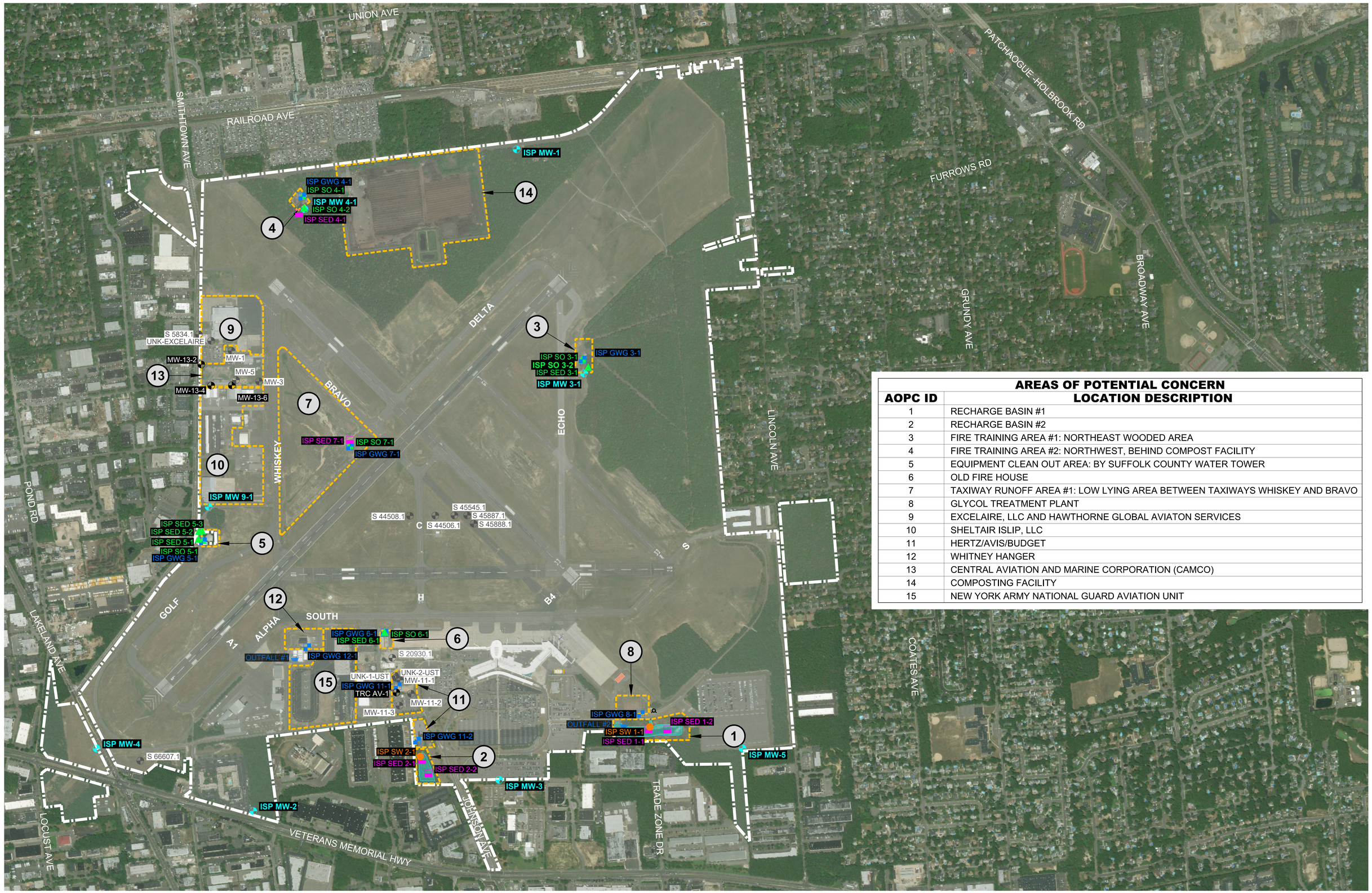
LONG ISLAND MACARTHUR AIRPORT
RONKONKOMA, NEW YORK

SITE LOCATION

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

CITY:SYRACUSE-NY DIV/GROUP:ENV DB:A.SANCHEZ LD:ALS PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\gsteinberger\ACCDocs\Arcadis\The Town Of Islip\Project Files\LI MACARTHUR AIRPORT\2021\01-Dwg\ISP-F01-SITE LOCATION.dwg LAYOUT: 1 SAVED: 12/23/2019 5:09 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/2/2021 4:15 PM BY: STEINBERGER, GEORGE



AREAS OF POTENTIAL CONCERN	
AOPC ID	**LOCATION DESCRIPTION**
1	RECHARGE BASIN #1
2	RECHARGE BASIN #2
3	FIRE TRAINING AREA #1: NORTHEAST WOODED AREA
4	FIRE TRAINING AREA #2: NORTHWEST, BEHIND COMPOST FACILITY
5	EQUIPMENT CLEAN OUT AREA: BY SUFFOLK COUNTY WATER TOWER
6	OLD FIRE HOUSE
7	TAXIWAY RUNOFF AREA #1: LOW LYING AREA BETWEEN TAXIWAYS WHISKEY AND BRAVO
8	GLYCOL TREATMENT PLANT
9	EXCELAIRE, LLC AND HAWTHORNE GLOBAL AVIATON SERVICES
10	SHELTAIR ISLIP, LLC
11	HERTZ/AVIS/BUDGET
12	WHITNEY HANGER
13	CENTRAL AVIATION AND MARINE CORPORATION (CAMCO)
14	COMPOSTING FACILITY
15	NEW YORK ARMY NATIONAL GUARD AVIATION UNIT

LEGEND

- PARCEL BOUNDARY
- RECHARGE BASIN
- APPROXIMATE LIMITS OF AOPC
- # ON SITE AOPC ID
- HYDRANT
- EXISTING MONITORING WELLS (CAMCO, HERTZ)
- MONITORING WELLS NOT LOCATED DURING SITE CHARACTERIZATION
- APPROXIMATE OUTFALL LOCATION
- SOIL BORING LOCATION
- MONITORING WELL LOCATION
- SEDIMENT SAMPLE LOCATION
- GROUNDWATER GRAB SAMPLE LOCATION
- STORMWATER SAMPLE LOCATION
- EQUIPMENT AND DRUM STAGING AREA

NOTES:

1. AERIAL PHOTOGRAPHY: 2019 MICROSOFT CORPORATION © 2019 DIGITAL GLOBE © CNES (2019) DISTRIBUTION AIRBUS DS BING.
2. PARCEL BOUNDARY DATA OBTAINED FROM SUFFOLK COUNTY, REAL PROPERTY TAX SERVICE AGENCY GEOGRAPHICAL INFORMATION SYSTEMS.
3. REFER TO RECORDS SEARCH REPORT (AUGUST 8TH, 2019) FOR DETAILS ON AOPCs AND EXISTING MONITORING WELLS.
4. SAMPLE COLLECTED FROM ONSITE HYDRANT ON FEBRUARY 25, 2021. REFER TO TABLE 4 FOR RESULTS. HYDRANT WATER WAS USED FOR SONIC DRILLING DURING SITE CHARACTERIZATION ACTIVITES.

0 400' 800'
APPROXIMATE SCALE IN FEET

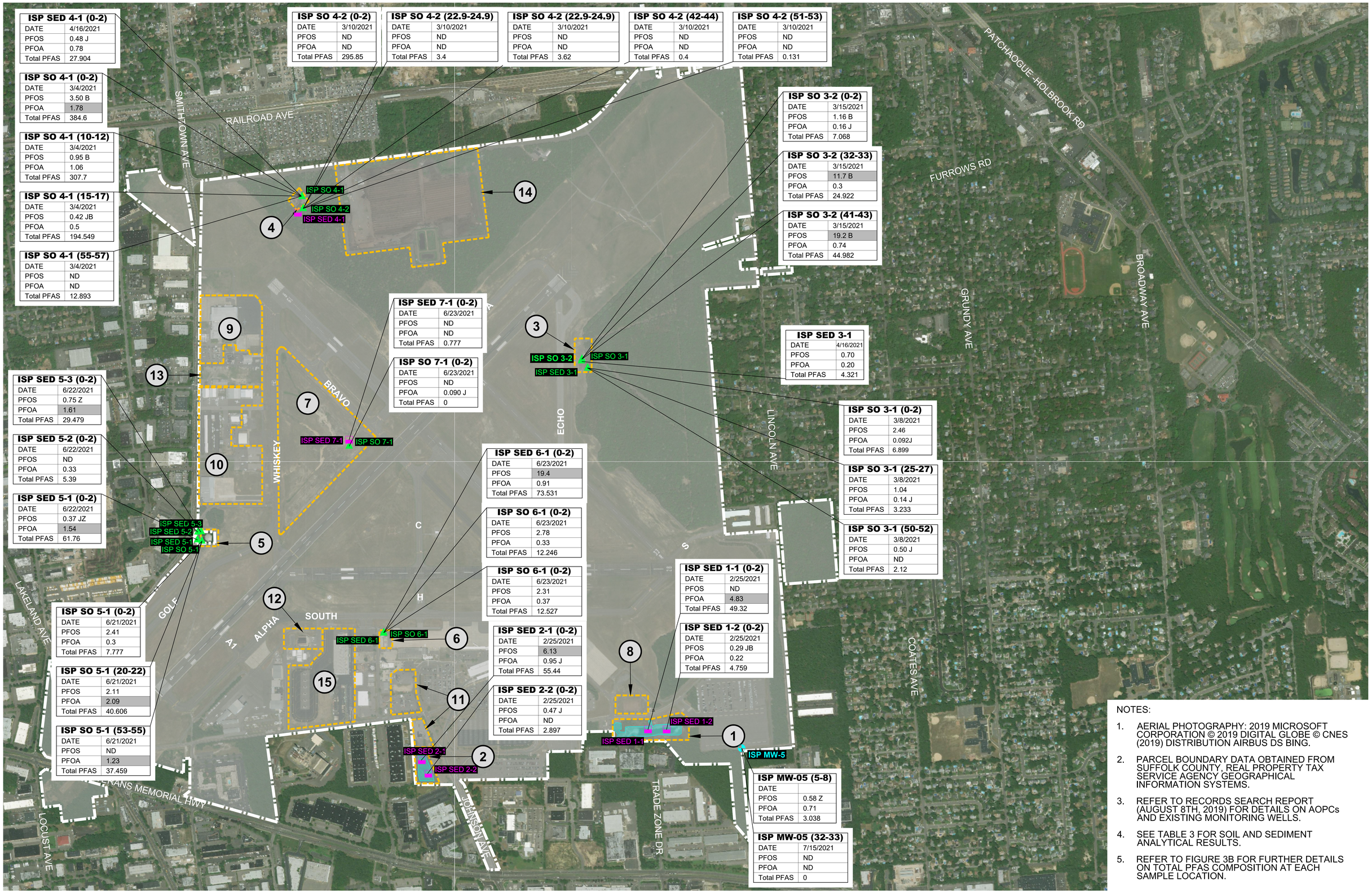
LONG ISLAND MACARTHUR AIRPORT
RONKONKOMA, NEW YORK

SITE CHARACTERIZATION SAMPLING LOCATIONS

ARCADIS

FIGURE 2

CITY:S:\SYRACUSE\MY_DWG\GROUP\ENV - BULA,SANCHEZ - LD:ALS - PIC:DQI - PM:TRGS - TM:DQI - LYR:0;0;0ON=*;OFF=*REF*
CTB:C:\Users\matthew.wasilevski\Desktop\Arcadis Profiles\Acad Plot Styles\ARCADIS-Color.ctb - Layout:FIG-2-Sampling Plan.dwg - LAYOUT:2 - SAVED: 2/25/2022 4:21 PM - ACADVER: 23.1S (LMS TECH) - PAGESETUP: ---- - PLOTSTYLETABLE: ---- - PLOTTED: 2/25/2022 4:39 PM - BY: WASILEVSKI, MATT



ISP SED 4-1 (0-2)	
DATE	4/16/2021
PFOS	0.48 J
PFOA	0.78
Total PFAS	27.904

ISP SO 4-1 (0-2)	
DATE	3/4/2021
PFOS	3.50 B
PFOA	1.78
Total PFAS	384.6

ISP SO 4-1 (10-12)	
DATE	3/4/2021
PFOS	0.95 B
PFOA	1.06
Total PFAS	307.7

ISP SO 4-1 (15-17)	
DATE	3/4/2021
PFOS	0.42 JB
PFOA	0.5
Total PFAS	194.549

ISP SO 4-1 (55-57)	
DATE	3/4/2021
PFOS	ND
PFOA	ND
Total PFAS	12.893

ISP SO 4-2 (0-2)	
DATE	3/10/2021
PFOS	ND
PFOA	ND
Total PFAS	295.85

ISP SO 4-2 (22.9-24.9)	
DATE	3/10/2021
PFOS	ND
PFOA	ND
Total PFAS	3.4

ISP SO 4-2 (22.9-24.9)	
DATE	3/10/2021
PFOS	ND
PFOA	ND
Total PFAS	3.62

ISP SO 4-2 (42-44)	
DATE	3/10/2021
PFOS	ND
PFOA	ND
Total PFAS	0.4

ISP SO 4-2 (51-53)	
DATE	3/10/2021
PFOS	ND
PFOA	ND
Total PFAS	0.131

ISP SO 3-2 (0-2)	
DATE	3/15/2021
PFOS	1.16 B
PFOA	0.16 J
Total PFAS	7.068

ISP SO 3-2 (32-33)	
DATE	3/15/2021
PFOS	11.7 B
PFOA	0.3
Total PFAS	24.922

ISP SO 3-2 (41-43)	
DATE	3/15/2021
PFOS	19.2 B
PFOA	0.74
Total PFAS	44.982

ISP SED 7-1 (0-2)	
DATE	6/23/2021
PFOS	ND
PFOA	ND
Total PFAS	0.777

ISP SO 7-1 (0-2)	
DATE	6/23/2021
PFOS	ND
PFOA	0.090 J
Total PFAS	0

ISP SED 3-1	
DATE	4/16/2021
PFOS	0.70
PFOA	0.20
Total PFAS	4.321

ISP SO 3-1 (0-2)	
DATE	3/8/2021
PFOS	2.46
PFOA	0.092J
Total PFAS	6.899

ISP SO 3-1 (25-27)	
DATE	3/8/2021
PFOS	1.04
PFOA	0.14 J
Total PFAS	3.233

ISP SO 3-1 (50-52)	
DATE	3/8/2021
PFOS	0.50 J
PFOA	ND
Total PFAS	2.12

ISP SED 5-3 (0-2)	
DATE	6/22/2021
PFOS	0.75 Z
PFOA	1.61
Total PFAS	29.479

ISP SED 5-2 (0-2)	
DATE	6/22/2021
PFOS	ND
PFOA	0.33
Total PFAS	5.39

ISP SED 5-1 (0-2)	
DATE	6/22/2021
PFOS	0.37 JZ
PFOA	1.54
Total PFAS	61.76

ISP SO 5-1 (0-2)	
DATE	6/21/2021
PFOS	2.41
PFOA	0.3
Total PFAS	7.777

ISP SO 5-1 (20-22)	
DATE	6/21/2021
PFOS	2.11
PFOA	2.09
Total PFAS	40.606

ISP SO 5-1 (53-55)	
DATE	6/21/2021
PFOS	ND
PFOA	1.23
Total PFAS	37.459

ISP SED 6-1 (0-2)	
DATE	6/23/2021
PFOS	19.4
PFOA	0.91
Total PFAS	73.531

ISP SO 6-1 (0-2)	
DATE	6/23/2021
PFOS	2.78
PFOA	0.33
Total PFAS	12.246

ISP SO 6-1 (0-2)	
DATE	6/23/2021
PFOS	2.31
PFOA	0.37
Total PFAS	12.527

ISP SED 2-1 (0-2)	
DATE	2/25/2021
PFOS	6.13
PFOA	0.95 J
Total PFAS	55.44

ISP SED 2-2 (0-2)	
DATE	2/25/2021
PFOS	0.47 J
PFOA	ND
Total PFAS	2.897

ISP SED 1-1 (0-2)	
DATE	2/25/2021
PFOS	ND
PFOA	4.83
Total PFAS	49.32

ISP SED 1-2 (0-2)	
DATE	2/25/2021
PFOS	0.29 JB
PFOA	0.22
Total PFAS	4.759

ISP MW-05 (5-8)	
DATE	
PFOS	0.58 Z
PFOA	0.71
Total PFAS	3.038

ISP MW-05 (32-33)	
DATE	7/15/2021
PFOS	ND
PFOA	ND
Total PFAS	0

NOTES:

1. AERIAL PHOTOGRAPHY: 2019 MICROSOFT CORPORATION © 2019 DIGITAL GLOBE © CNES (2019) DISTRIBUTION AIRBUS DS BING.
2. PARCEL BOUNDARY DATA OBTAINED FROM SUFFOLK COUNTY, REAL PROPERTY TAX SERVICE AGENCY GEOGRAPHICAL INFORMATION SYSTEMS.
3. REFER TO RECORDS SEARCH REPORT (AUGUST 8TH, 2019) FOR DETAILS ON AOPCs AND EXISTING MONITORING WELLS.
4. SEE TABLE 3 FOR SOIL AND SEDIMENT ANALYTICAL RESULTS.
5. REFER TO FIGURE 3B FOR FURTHER DETAILS ON TOTAL PFAS COMPOSITION AT EACH SAMPLE LOCATION.

LEGEND

- PARCEL BOUNDARY
- RECHARGE BASIN
- APPROXIMATE LIMITS OF AOPC
- # ON SITE AOPC ID
- HYDRANT
- SOIL BORING LOCATION
- SEDIMENT SAMPLE LOCATION
- MONITORING WELL LOCATION
- J ESTIMATED VALUE
- ND NOT DETECTED
- µg/kg MICROGRAM PER KILOGRAM

SCGs			
PFAS (µg/kg)	Commercial Use	Industrial Use	Protectionof Groundwater
PFOS	440	440	3.7
PFOA	500	600	1.1
Total PFAS	NE	NE	NE

SAMPLE ID

SAMPLE DEPTH (FEET)

ISP SED 2-1 (0-2)	
DATE	2/25/2021
PFOS	6.13
PFOA	0.95 J
Total PFAS	55.44

CONCENTRATION (µg/kg), GRAY SHADE INDICATES CONCENTRATION ABOVE SCG

CONSTITUENT

0 400' 800'
APPROXIMATE SCALE IN FEET

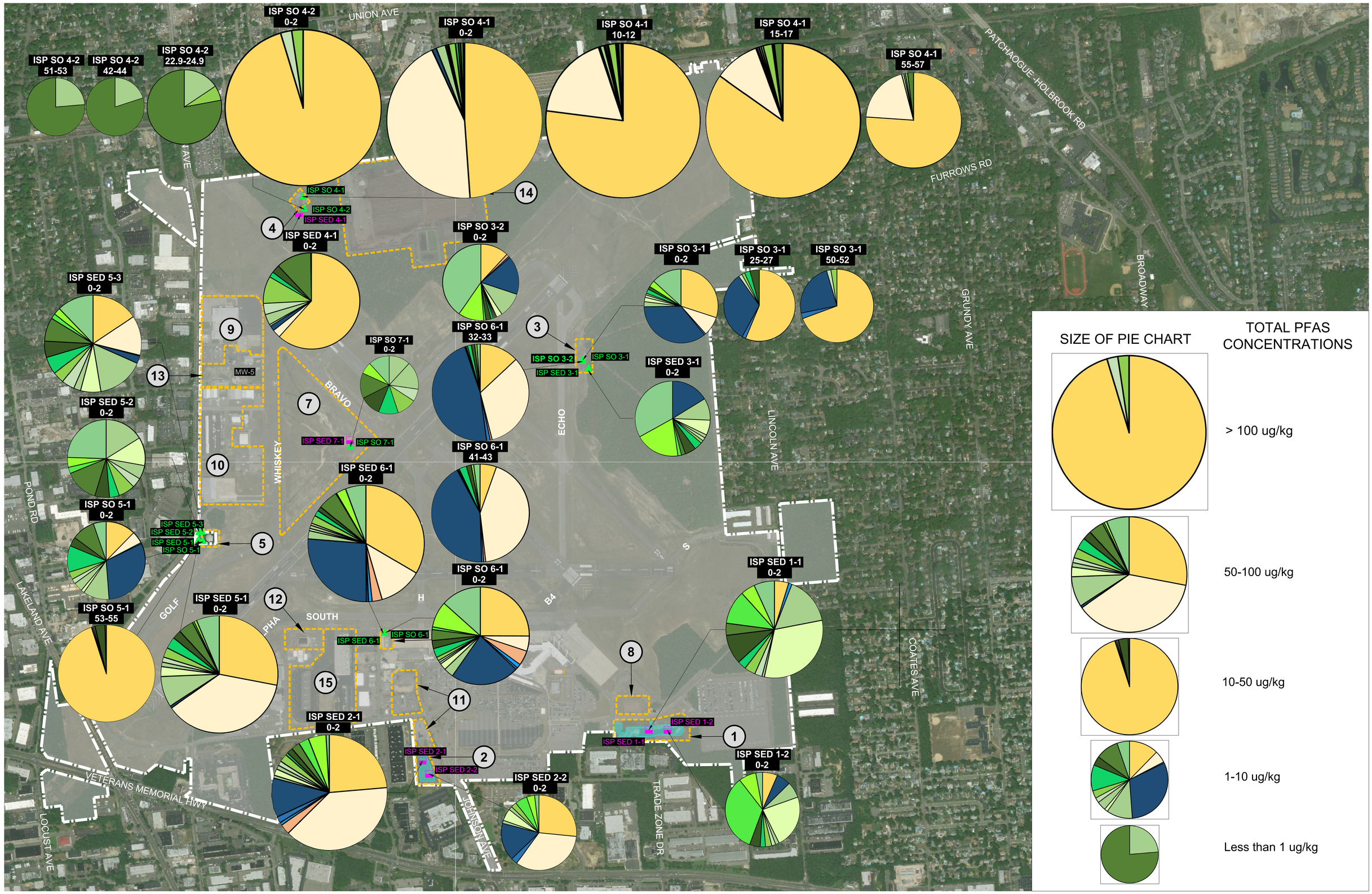
LONG ISLAND MACARTHUR AIRPORT
RONKONKOMA, NEW YORK

SEDIMENT AND SOIL ANALYTICAL RESULTS - PFAS

ARCADIS

FIGURE
3A

CITY:SYRACUSE,NY DIV/GROUP:ENV DB:A.SANCHEZ LD:ALS PIC:DEI PM:RDIS TM:DGI LYR:DGI(ON=*;OFF=*;FREEZE=*;VPORT=*) ON:* PAGESETUP:---- PLOTSTYLETABLE:---- PLOTTED: 3/8/2022 9:53 AM BY: WASILEWSKI, MATT
C:\Users\matwasilewski_arcadis\AppData\Local\Temp\AcPublish_15264\ARP-F03 - Sediment and Soil Analytical Results-PFAS.dwg LAYOUT: 3A SAVED: 3/8/2022 9:52 AM ACADVER: 23.1S (LMS TECH) PAGESETUP:----



LEGEND

- PARCEL BOUNDARY
- RECHARGE BASIN
- APPROXIMATE LIMITS OF AOPC
- # ON SITE AOPC ID
- HYDRANT
- SOIL BORING LOCATION
- SEDIMENT SAMPLE LOCATION

NOTES:

1. AERIAL PHOTOGRAPHY: 2019 MICROSOFT CORPORATION © 2019 DIGITAL GLOBE © CNES (2019) DISTRIBUTION AIRBUS DS BING.
2. PARCEL BOUNDARY DATA OBTAINED FROM SUFFOLK COUNTY, REAL PROPERTY TAX SERVICE AGENCY GEOGRAPHICAL INFORMATION SYSTEMS.
3. REFER TO RECORDS SEARCH REPORT (AUGUST 8TH, 2019) FOR DETAILS ON AOPCs AND EXISTING MONITORING WELLS.
4. SEE TABLE 3 FOR SOIL AND SEDIMENT ANALYTICAL RESULTS.
5. REFER TO FIGURE 5.1 FOR COLOR KEY OF DETECTED PFAS COMPOUNDS.
6. SIMILARITIES AND DIFFERENCES IN DETECTED PFAS AND MIXTURE OF DETECTED PFAS CAN SUPPORT FATE AND TRANSPORT ASSESSMENTS AND DIFFERENTIATING BETWEEN MULTIPLE SOURCES.

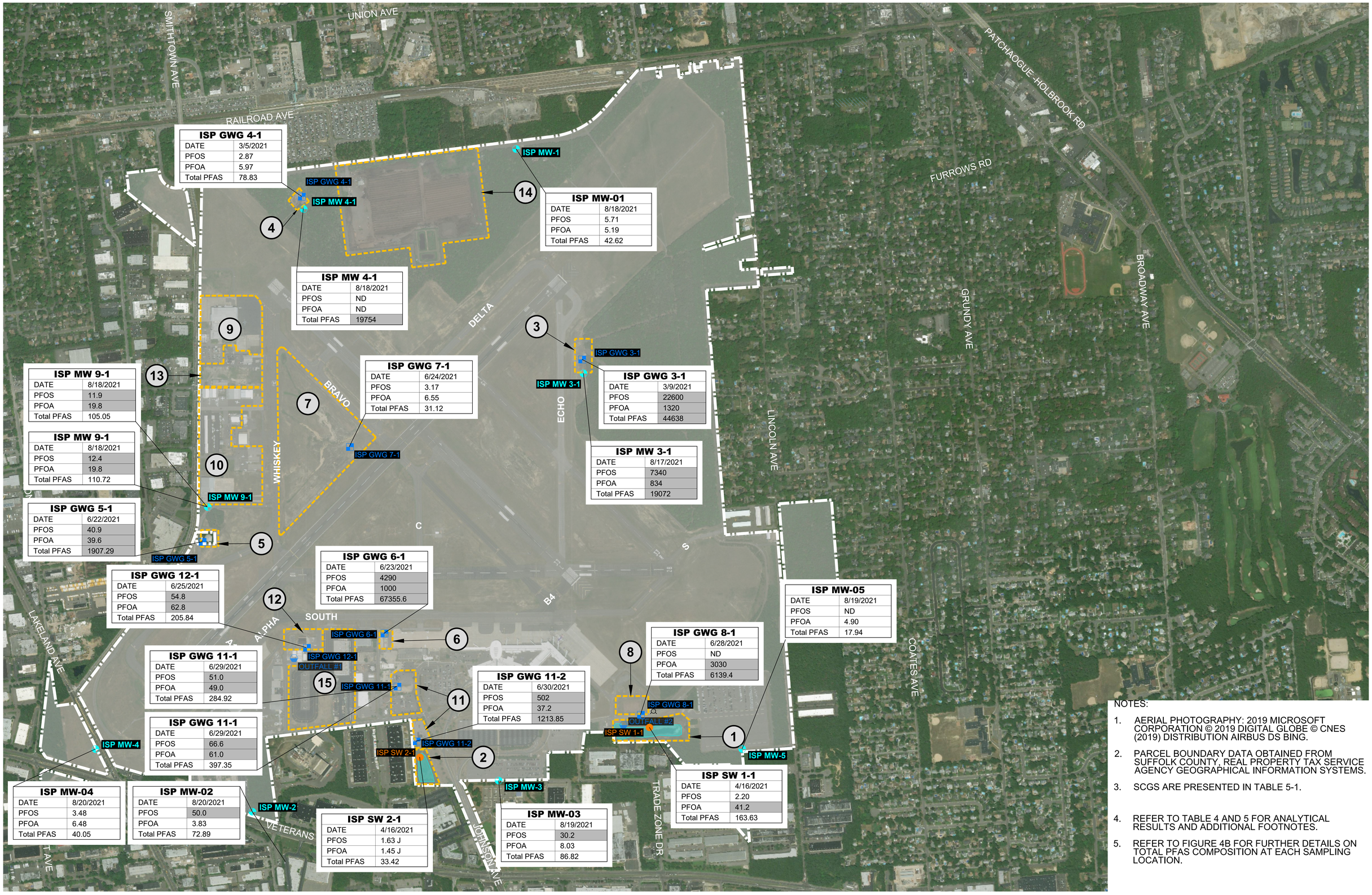
0 400' 800'
APPROXIMATE SCALE IN FEET

LONG ISLAND MACARTHUR AIRPORT
RONKONKOMA, NEW YORK

SEDIMENT AND SOIL ANALYTICAL RESULTS - PFAS PIE CHARTS

ARCADIS

FIGURE 3B



ISP GWG 4-1	
DATE	3/5/2021
PFOS	2.87
PFOA	5.97
Total PFAS	78.83

ISP MW-01	
DATE	8/18/2021
PFOS	5.71
PFOA	5.19
Total PFAS	42.62

ISP MW 4-1	
DATE	8/18/2021
PFOS	ND
PFOA	ND
Total PFAS	19754

ISP GWG 3-1	
DATE	3/9/2021
PFOS	22600
PFOA	1320
Total PFAS	44638

ISP MW 3-1	
DATE	8/17/2021
PFOS	7340
PFOA	834
Total PFAS	19072

ISP GWG 7-1	
DATE	6/24/2021
PFOS	3.17
PFOA	6.55
Total PFAS	31.12

ISP MW 9-1	
DATE	8/18/2021
PFOS	11.9
PFOA	19.8
Total PFAS	105.05

ISP MW 9-1	
DATE	8/18/2021
PFOS	12.4
PFOA	19.8
Total PFAS	110.72

ISP GWG 5-1	
DATE	6/22/2021
PFOS	40.9
PFOA	39.6
Total PFAS	1907.29

ISP GWG 6-1	
DATE	6/23/2021
PFOS	4290
PFOA	1000
Total PFAS	67355.6

ISP GWG 12-1	
DATE	6/25/2021
PFOS	54.8
PFOA	62.8
Total PFAS	205.84

ISP GWG 11-1	
DATE	6/29/2021
PFOS	51.0
PFOA	49.0
Total PFAS	284.92

ISP GWG 11-1	
DATE	6/29/2021
PFOS	66.6
PFOA	61.0
Total PFAS	397.35

ISP GWG 11-2	
DATE	6/30/2021
PFOS	502
PFOA	37.2
Total PFAS	1213.85

ISP GWG 8-1	
DATE	6/28/2021
PFOS	ND
PFOA	3030
Total PFAS	6139.4

ISP MW-05	
DATE	8/19/2021
PFOS	ND
PFOA	4.90
Total PFAS	17.94

ISP SW 1-1	
DATE	4/16/2021
PFOS	2.20
PFOA	41.2
Total PFAS	163.63

ISP MW-04	
DATE	8/20/2021
PFOS	3.48
PFOA	6.48
Total PFAS	40.05

ISP MW-02	
DATE	8/20/2021
PFOS	50.0
PFOA	3.83
Total PFAS	72.89

ISP SW 2-1	
DATE	4/16/2021
PFOS	1.63 J
PFOA	1.45 J
Total PFAS	33.42

ISP MW-03	
DATE	8/19/2021
PFOS	30.2
PFOA	8.03
Total PFAS	86.82

NOTES:

1. AERIAL PHOTOGRAPHY: 2019 MICROSOFT CORPORATION © 2019 DIGITAL GLOBE © CNES (2019) DISTRIBUTION AIRBUS DS BING.
2. PARCEL BOUNDARY DATA OBTAINED FROM SUFFOLK COUNTY, REAL PROPERTY TAX SERVICE AGENCY GEOGRAPHICAL INFORMATION SYSTEMS.
3. SCGS ARE PRESENTED IN TABLE 5-1.
4. REFER TO TABLE 4 AND 5 FOR ANALYTICAL RESULTS AND ADDITIONAL FOOTNOTES.
5. REFER TO FIGURE 4B FOR FURTHER DETAILS ON TOTAL PFAS COMPOSITION AT EACH SAMPLING LOCATION.

LEGEND

- PARCEL BOUNDARY
- RECHARGE BASIN
- APPROXIMATE LIMITS OF AOPC
- # ON SITE AOPC ID
- HYDRANT
- APPROXIMATE OUTFALL LOCATION
- MONITORING WELL LOCATION
- GROUNDWATER GRAB SAMPLE LOCATION
- STORMWATER SAMPLE LOCATION
- J ESTIMATED VALUE
- ND NOT DETECTED
- ng/L NANOGRAMS PER LITER

SAMPLE ID

ISP SW 1-1	
DATE	4/16/2021
PFOS	2.20
PFOA	41.2
Total PFAS	163.63

CONCENTRATION (ng/L), GRAY SHADE INDICATES CONCENTRATION ABOVE SCG

CONSTITUENT

PFAS (ng/L)	SCGs
PFOS	10
PFOA	10
Total PFAS	500

0 400' 800'
APPROXIMATE SCALE IN FEET

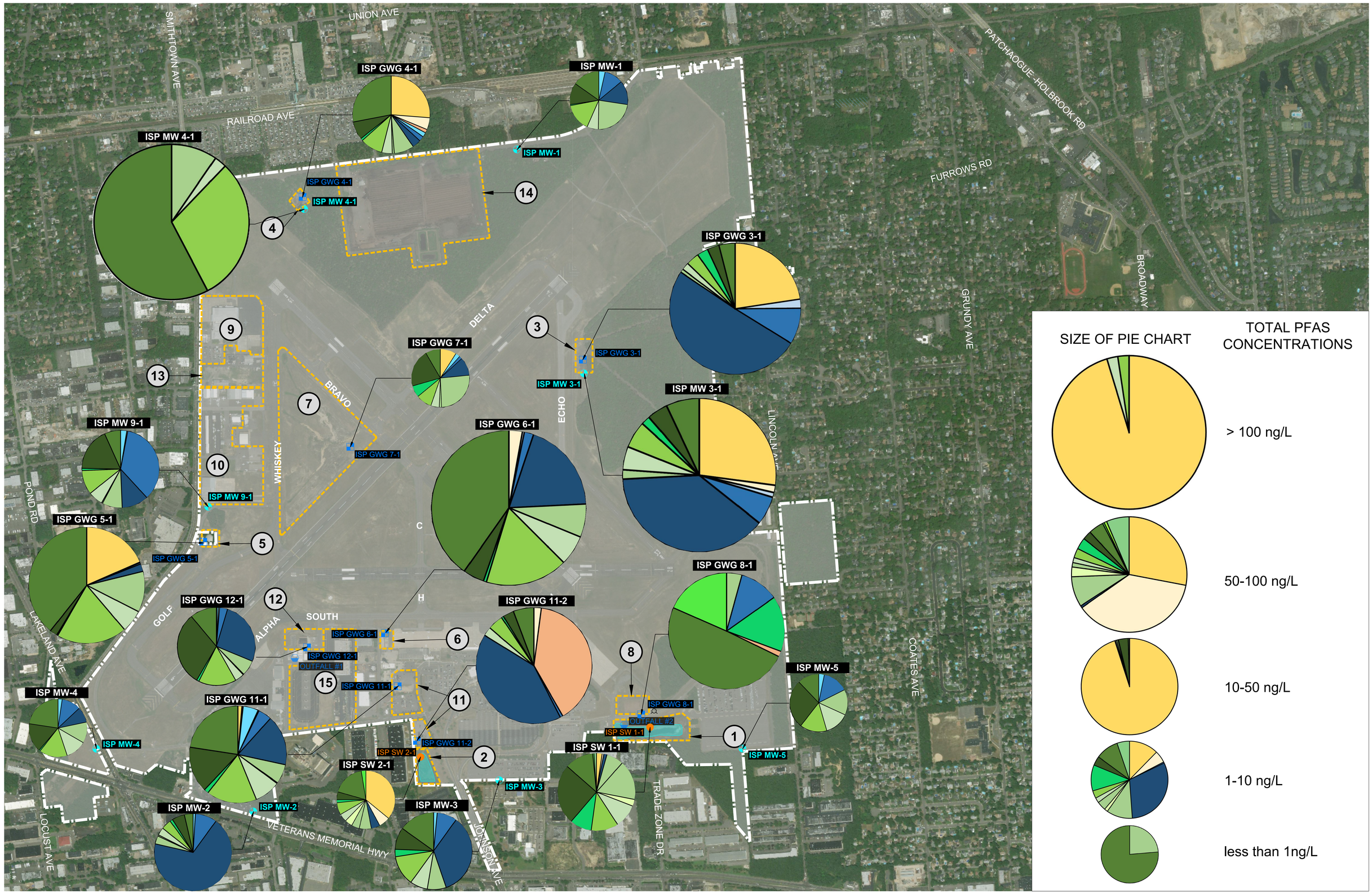
LONG ISLAND MACARTHUR AIRPORT
RONKONKOMA, NEW YORK

GROUNDWATER AND STORMWATER ANALYTICAL RESULTS - PFAS

ARCADIS

FIGURE 4A

CITY:(SYRACUSE)M:_DIV\GROUP\ENV\BULA\SANCHEZ\LI\FLS\PICI\DWG\INTRO\INT\DGN\LI-PFOS\WW-OFF.DWG PCP-F04 - Groundwater and Stormwater Analytical Results-PFAS.dwg LAYOUT: 4A SAVED: 3/7/2022 3:33 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 3/7/2022 3:43 PM BY: WASILEWSKI, MATT



LEGEND

- PARCEL BOUNDARY
- RECHARGE BASIN
- APPROXIMATE LIMITS OF AOPC
- # ON SITE AOPC ID
- HYDRANT
- APPROXIMATE OUTFALL LOCATION
- MONITORING WELL LOCATION
- GROUNDWATER GRAB SAMPLE LOCATION
- STORMWATER SAMPLE LOCATION

NOTES:

1. AERIAL PHOTOGRAPHY: 2019 MICROSOFT CORPORATION © 2019 DIGITAL GLOBE © CNES (2019) DISTRIBUTION AIRBUS DS BING.
2. PARCEL BOUNDARY DATA OBTAINED FROM SUFFOLK COUNTY, REAL PROPERTY TAX SERVICE AGENCY GEOGRAPHICAL INFORMATION SYSTEMS.
3. REFER TO RECORDS SEARCH REPORT (AUGUST 8TH, 2019) FOR DETAILS ON AOPCs AND EXISTING MONITORING WELLS.
4. REFER TO TABLE 4 AND 5 FOR ANALYTICAL RESULTS.
5. REFER TO FIGURE 5.1 FOR COLOR KEY OF DETECTED PFAS COMPOUNDS.
6. SIMILARITIES AND DIFFERENCES IN DETECTED PFAS AND MIXTURE OF DETECTED PFAS CAN SUPPORT FATE AND TRANSPORT ASSESSMENTS AND DIFFERENTIATING BETWEEN MULTIPLE SOURCES.

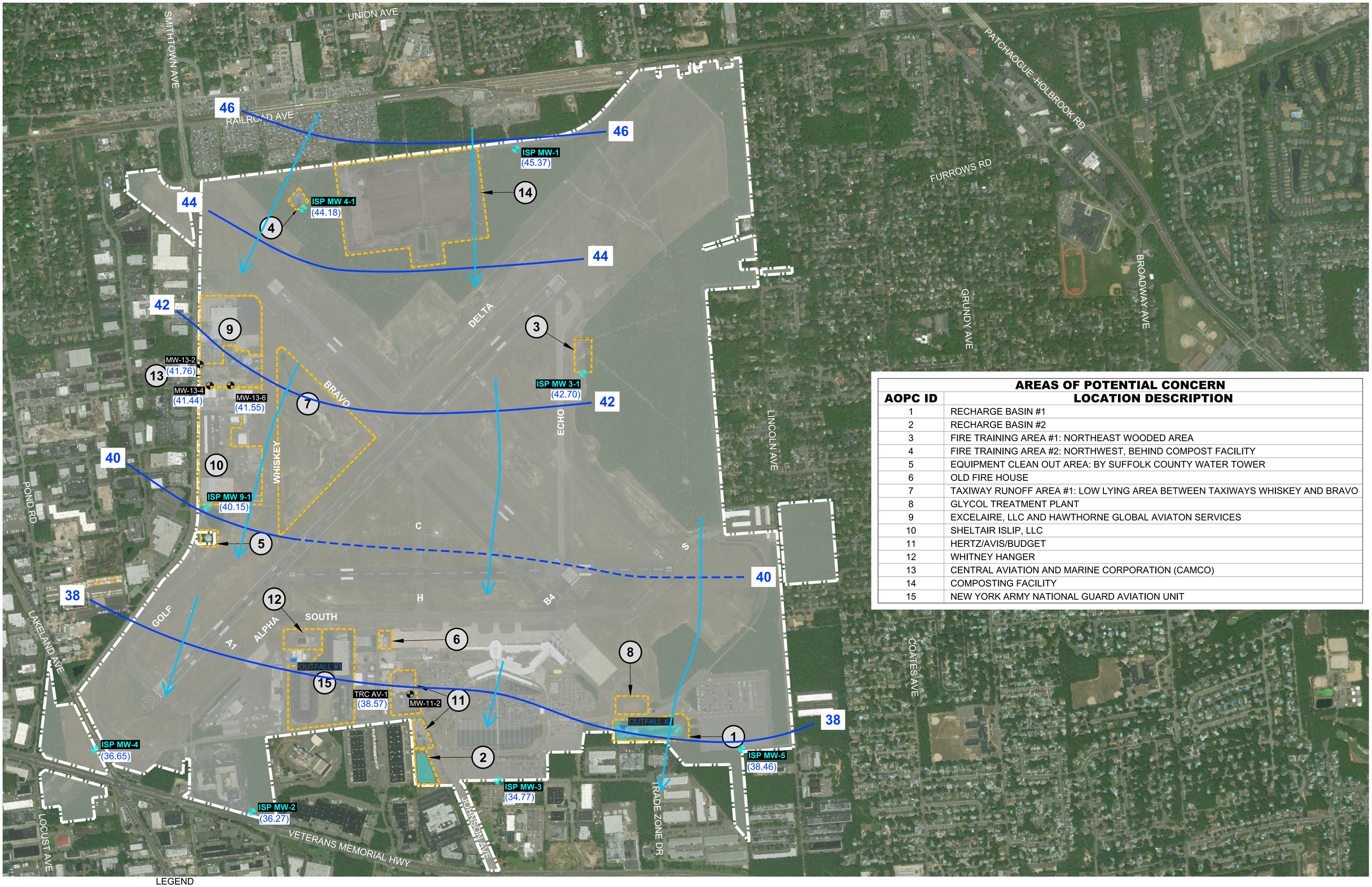
0 400' 800'
APPROXIMATE SCALE IN FEET

LONG ISLAND MACARTHUR AIRPORT
RONKONKOMA, NEW YORK

GROUNDWATER AND STORMWATER ANALYTICAL RESULTS - PFAS PIE CHARTS

ARCADIS

FIGURE
4B



AREAS OF POTENTIAL CONCERN	
AOPC ID	**LOCATION DESCRIPTION**
1	RECHARGE BASIN #1
2	RECHARGE BASIN #2
3	FIRE TRAINING AREA #1: NORTHEAST WOODED AREA
4	FIRE TRAINING AREA #2: NORTHWEST, BEHIND COMPOST FACILITY
5	EQUIPMENT CLEAN OUT AREA: BY SUFFOLK COUNTY WATER TOWER
6	OLD FIRE HOUSE
7	TAXIWAY RUNOFF AREA #1: LOW LYING AREA BETWEEN TAXIWAYS WHISKEY AND BRAVO
8	GLYCOL TREATMENT PLANT
9	EXCELAIRE, LLC AND HAWTHORNE GLOBAL AVIATON SERVICES
10	SHELTAIR ISLIP, LLC
11	HERTZ/AVIS/BUDGET
12	WHITNEY HANGER
13	CENTRAL AVIATION AND MARINE CORPORATION (CAMCO)
14	COMPOSTING FACILITY
15	NEW YORK ARMY NATIONAL GUARD AVIATION UNIT

LEGEND

- PARCEL BOUNDARY
- RECHARGE BASIN
- APPROXIMATE LIMITS OF AOPC
- # ON SITE AOPC ID
- HYDRANT
- EXISTING MONITORING WELLS (CAMCO, HERTZ)
- APPROXIMATE OUTFALL LOCATION
- MONITORING WELL LOCATION
- GROUNDWATER ELEVATION CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL
- DIRECTION OF THE HORIZONTAL COMPONENT OF GROUNDWATER FLOW
- GROUNDWATER ELEVATION CONTOUR WITH LESSE CONTROL IN FEET RELATIVE TO MEAN SEA LEVEL

NOTES:

1. AERIAL PHOTOGRAPHY: 2019 MICROSOFT CORPORATION © 2019 DIGITAL GLOBE © CNES (2019) DISTRIBUTION AIRBUS DS BING.
2. PARCEL BOUNDARY DATA OBTAINED FROM SUFFOLK COUNTY, REAL PROPERTY TAX SERVICE AGENCY GEOGRAPHICAL INFORMATION SYSTEMS.
3. REFER TO RECORDS SEARCH REPORT (AUGUST 8TH, 2019) FOR DETAILS ON AOPCs AND EXISTING MONITORING WELLS.
4. WATER LEVEL ELEVATIONS CALCULATED FROM DATA COLLECTED ON AUGUST 19, 2021. REFER TO TABLE 7 FOR DETAILS.

0 400' 800'
APPROXIMATE SCALE IN FEET

LONG ISLAND MACARTHUR AIRPORT
RONKONKOMA, NEW YORK

POTENTIONMETRIC SURFACE AND GROUNDWATER FLOW DIRECTION AUGUST 2021

ARCADIS Design & Consultancy for natural and built assets

FIGURE 5

CITY:SYRACUSE/LAP DIV/GROUP:ENV DB:A.SANCHEZ LD:ALS PIC:DRI PM:RMD TM:DJR LYR:DJR ON=*;OFF=REF*
Z:\Environmental\Active\LongIslandMacArthur_TOWN_AUBURN\Phase2\Figures\POTENTIOMETRIC SURFACE AND GROUNDWATER FLOW DIRECTION.dwg LAYOUT: 5 SAVED: 10/22/2021 6:14 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ----
PLOTTED: 10/26/2021 4:22 PM BY: JIANGELI KIMBERLY

Appendix A

Stormwater Runoff Map

SITE PLAN

SCALE: 1" = 500'-0"

N.D. ERYOU, Ph D, PE
CONSULTING ENGINEER
3910 DEER CROSSING CT #102, NAPLES, FL 34114

SCALE: AS NOTED	APPR:	DWN:	RBS
DATE: 10/07/93	REVISED:	SHEET:	6/6

LONG ISLAND MACARTHUR AIRPORT
TOWN OF ISLIP
STORM WATER RUN-OFF MAP
RONKONKOMA, LONG ISLAND, NEW YORK

FIGURE 4

MA-06A
DRAWING NO:

Appendix B

Sample Core Logs

Sample Log

Well/Boring: ISP SED 1-2 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 2/25/2021 | Drilling Completed: 2/25/2021

Total Depth Drilled: 2 feet | Hole Diameter: 3.25 inches | Sampling Interval: N/A feet

Length and Diameter of Sampling Device: 6 inches / 3.25 inches | Type of Sampling Device: Hand Auger

Drilling Method: N/A | Drilling Fluid Used: None

Drilling Contractor: N/A | Driller: N/A | Helper: N/A

Prepared By: Agnes Link-Harrington | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	2	Hand Auger		0-0.5: Sand, medium to coarse, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; little silt, low plasticity; poorly sorted; moist; brown; no odor.	See Description
				0.5-1.5: Sand, very fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown.	
				1.5-2: Sand, fine to coarse, subrounded to subangular; little pebbles, small, subrounded; well sorted; moist to saturated; light brown; no odor.	
				PID Readings: 0-0.5ft: 0.0ppm 0.5-1ft: 0.0ppm 1-1.5ft: 0.0ppm 1.5-2ft: 0.0ppm	

Sample Log

Well/Boring: ISP SED 2-1 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 2/25/2021 | Drilling Completed: 2/25/2021

Total Depth Drilled: 2 feet | Hole Diameter: 3.25 inches | Sampling Interval: N/A feet

Length and Diameter of Sampling Device: 6 inches / 3.25 inches | Type of Sampling Device: Hand Auger

Drilling Method: N/A | Drilling Fluid Used: None

Drilling Contractor: N/A | Driller: N/A | Helper: N/A

Prepared By: Agnes Link-Harrington | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	2	Hand Auger		0-2: Sand, fine to very fine, rounded to subrounded; and silt, low plasticity; some pebbles, small, subrounded to subangular; poorly sorted; moist; dark brown; no odor. PID Readings: 0-0.5ft: 1.2ppm 0.5-1ft: 0.1ppm 1-1.5ft: 0.3ppm 1.5-2ft: 0.0ppm Sample SED 2-1 taken close to outfall location	See Description

Sample Log

Well/Boring: ISP SED 2-2 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 2/25/2021 | Drilling Completed: 2/25/2021

Total Depth Drilled: 2 feet | Hole Diameter: 3.25 inches | Sampling Interval: N/A feet

Length and Diameter of Sampling Device: 6 inches / 3.25 inches | Type of Sampling Device: Hand Auger

Drilling Method: N/A | Drilling Fluid Used: None

Drilling Contractor: N/A | Driller: N/A | Helper: N/A

Prepared By: Agnes Link-Harrington | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	2	Hand Auger		0-0.5: Sand, fine to very fine, rounded to subarounded; and silt, low plasticity; little pebbles, small, Subrounded; poorly sorted; moist; dark brown.	See Description
				0.5-1.5: Sand, fine to medium, subrounded to subangular; some pebbles, small, subrounded to subangular; poorly sorted; moist; no odor; light brown.	
				1.5-2: Sand, medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; light brown.	
				PID Readings: 0-0.5ft: 0.0ppm 0.5-1ft: 0.0ppm 1-1.5ft: 0.0ppm 1.5-2ft: 0.0ppm	

Sample Log

Well/Boring: ISP SED 3-1 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 4/16/2021 | Drilling Completed: 4/16/2021

Total Depth Drilled: 2 feet | Hole Diameter: 3.25 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 6 inches / 3.25 inches | Type of Sampling Device: Hand Auger

Drilling Method: N/A | Drilling Fluid Used: None

Drilling Contractor: N/A | Driller: N/A | Helper: N/A

Prepared By: Agnes Link-Harrington | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger		0-2": Leaves, sticks, oragnics.	See Description
				2"-1.5: Sand, very fine to fine, rounded to subrounded; trace pebbles; well sorted; moist; light brown; no odor.	
				1.5-2: Sand, fine, rounded to subrounded; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	
				PID Readings: 0-0.5ft: 0.0ppm 0.5-1ft: 0.0ppm 1-1.5ft: 0.0ppm 1.5-2ft: 0.0ppm	

Sample Log

Well/Boring: ISP SED 4-1 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 4/16/2021 | Drilling Completed: 4/16/2021

Total Depth Drilled: 2 feet | Hole Diameter: 3.25 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 6 inches / 3.25 inches | Type of Sampling Device: Hand Auger

Drilling Method: N/A | Drilling Fluid Used: None

Drilling Contractor: N/A | Driller: N/A | Helper: N/A

Prepared By: Agnes Link-Harrington | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger		0-2": Leaves, sticks, oragnics.	See Description
				2"-8": Sand, fine, rounded to subrounded; trace pebbles; some silt, low plasticity; little pebbles, small to medium, subrounded to subangular;poorly sorted; brown; moist; no odor.	
				8"-2: Sand, fine to very fine, rounded to subrounded;some silt, low plasticity; trace pebbles; well sorted; moist; light brown; no odor.	
				PID Readings: 0-0.5ft: 0.0ppm 0.5-1ft: 0.0ppm 1-1.5ft: 0.0ppm 1.5-2ft: 0.0ppm	

Sample Log

Well/Boring: ISP SED 5-1
Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855
Site Location: Ronkonkoma, New York
Drilling Started: 6/22/2021
Drilling Completed: 6/22/2021
Total Depth Drilled: 2 feet
Hole Diameter: 2 inches
Sampling Interval: Continuous feet
Length and Diameter of Sampling Device: 0.5'/2"
Type of Sampling Device: Hand Auger
Drilling Method: N/A
Drilling Fluid Used: None
Drilling Contractor: Aquifer Drilling and Testing
Driller: N/A
Helper: N/A
Prepared By: Stephen Vlavianos
Hammer Weight: N/A
Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	2	Hand Auger	N/A	0-2': Sand, fine to medium, subrounded to subangular; some pebbles, small, subrounded to subangular; poorly sorted; moist; brown; no odor.	1- 0.0 2- 0.0

Sample Log

Well/Boring: ISP SED 5-2
Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855
Site Location: Ronkonkoma, New York
Drilling Started: 6/22/2021
Drilling Completed: 6/22/2021
Total Depth Drilled: 2 feet
Hole Diameter: 2 inches
Sampling Interval: Continuous feet
Length and Diameter of Sampling Device: 0.5'/2"
Type of Sampling Device: Hand Auger
Drilling Method: N/A
Drilling Fluid Used: None
Drilling Contractor: Aquifer Drilling and Testing
Driller: N/A
Helper: N/A
Prepared By: Stephen Vlavianos
Hammer Weight: N/A
Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	2	Hand Auger	N/A	0-1.5': Medium to fine grain sand, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; trace silt; poorly sorted; moist; light brown; no odor. *refusal at 1.5' due to large cobble	0.0

Sample Log

Well/Boring: ISP SED 5-3
Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855
Site Location: Ronkonkoma, New York
Drilling Started: 6/22/2021
Drilling Completed: 6/22/2021
Total Depth Drilled: 2 feet
Hole Diameter: 2 inches
Sampling Interval: Continuous feet
Length and Diameter of Sampling Device: 0.5'/2"
Type of Sampling Device: Hand Auger
Drilling Method: N/A
Drilling Fluid Used: None
Drilling Contractor: Aquifer Drilling and Testing
Driller: N/A
Helper: N/A
Prepared By: Stephen Vlavianos
Hammer Weight: N/A
Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	2	Hand Auger	N/A	0-2': Fine to very fine sand, round to subrounded; little pebbles, little pebbles, medium, subrounded to subangular; trace silt; poorly sorted; moist; brown; no odor.	0.0

Sample Log

Well/Boring: ISP SED 7-1
Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855
Site Location: Ronkonkoma, New York
Drilling Started: 6/23/2021
Drilling Completed: 6/23/2021
Total Depth Drilled: 2 feet
Hole Diameter: 2.75 inches
Sampling Interval: Continuous feet
Length and Diameter of Sampling Device: 0.5'/2.75"
Type of Sampling Device: Hand Auger
Drilling Method: N/A
Drilling Fluid Used: None
Drilling Contractor: Aquifer Drilling and Testing
Driller: Jimmy McGill
Helper: Robert Byshkin
Prepared By: Stephen Vlavianos
Hammer Weight: N/A
Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	2	Hand Auger	N/A	0-2': Sand, coarse, subangular; and pebbles, very large to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	0'- 0.0 1'- 0.0 2'- 0.0

Sample Log

Well/Boring: ISP SED 7-1
Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855
Site Location: Ronkonkoma, New York
Drilling Started: 6/23/2021
Drilling Completed: 6/23/2021
Total Depth Drilled: 2 feet
Hole Diameter: 2.75 inches
Sampling Interval: Continuous feet
Length and Diameter of Sampling Device: 0.5'/2.75"
Type of Sampling Device: Hand Auger
Drilling Method: N/A
Drilling Fluid Used: None
Drilling Contractor: Aquifer Drilling and Testing
Driller: Jimmy McGill
Helper: Robert Byshkin
Prepared By: Stephen Vlavianos
Hammer Weight: N/A
Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	2	Hand Auger	N/A	0-2': Sand, coarse, subangular; and pebbles, very large to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	0'- 0.0 1'- 0.0 2'- 0.0

Sample Log

Well/Boring: ISP SO 3-1 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 3/8/2021 | Drilling Completed: 3/9/2021

Total Depth Drilled: 60 feet | Hole Diameter: 2.25 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 5 feet / 2.25 inches | Type of Sampling Device: Macrocore

Drilling Method: Direct Push | Drilling Fluid Used: None

Drilling Contractor: Aquifer Drilling and Testing | Driller: Jimmy McGill | Helper: Artie LaRocca

Prepared By: Agnes Link-Harrington | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger		0-1: Pebbles, large to very large, angular to subangular; and asphalt (fill material).	1- 0.0
				1-4: Sand, fine to medium, subrounded to subangular; well sorted; moist; light brown to tan; no odor.	2- 0.0
				4-5: Sand, fine to medium, subrounded to subangular; some pebbles, large to very large, subrounded to subangular; poorly sorted; moist;light brown; no odor.	3- 0.0 4- 0.0 5- 0.0
5	10	2.2		5-6: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	5- 0.0 6- 0.0
				6-7.2: Sand, fine to coarse, subrounded to subangular; poorly sorted; moist; light brown to orange brown; no odor.	7.2- 0.0
10	15	1.5		10-10.8: Sand, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; trace silt; poorly sorted; moist; light brown to orange brown; no odor.	10- 0.0
				10.8-11: Sand, medium to coarse, subrounded to subangular; and pebbles, medium to large, subrounded to subangular; poorly sorted; moist; orange brown; no odor.	11- 0.0
				11-11.2: Sand, fine to medium, subrounded to subangular; well sorted; moist; light brown; no odor.	
				11.2-11.5: Sand, medium, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; orange brown; no odor.	11.5- 0.0
15	20	2		15-15.5: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; orange brown; no odor.	15- 0.0 15.5-0.1
				15.5-16: Sand, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; trace silt; poorly sorted; moist; light brown; no odor.	16- 0.0
				16-16.2: Sand, medium to coarse, subrounded to subangular; and pebbles, small, subangular to subrounded; poorly sorted; moist; orange brown; no odor.	
				16.2-16.5: Sand, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted; moist; light brown; no odor.	

Sample Log (Cont.)

Well/Boring ISP SO 3-1 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Agnes Link-Harrington

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				16.5-17: Sand, fine to medium, subrounded to subangular; and pebbles, medium to large, subrounded to subangular; poorly sorted; moist; orange brown to light brown; no odor.	17- 0.0
20	25	3		20-20.8: Sand, medium,subrounded to subangular; little pebbles, small, subrounded to subangular; trace silt; poorly sorted; moist; gray brown; no odor.	20- 0.1 21- 0.1
				20.8-21.8: Sand, fine to medium, subrounded to subangular; well sorted; moist; light brown; no odor.	22- 0.0
				21.8-23: Sand, medium to coarse, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown to orange brown; no odor.	23- 0.1
25	30	3.75		25-26.9: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subangular to subrounded; trace silt; poorly sorted; moist; light brown to gray; no odor.	25- 0.1 25.5- 0.3 26- 0.0
				26.9-28.75: Sand, fine to medium, subrounded to subangular; trace pebbles; well sorted; moist; orange brown; no odor.	27- 0.0 28- 0.0 28.75- 0.0
30	35	3.6		30-33.6: Sand, fine to medium, subrounded to subangular; trace pebbles; well sorted; moist; light to orange brown; no odor; possible staining at 30'.	30- 0.2 31- 0.1 32- 0.0 33- 0.0 33.6- 0.0
35	40	2.75		35-35.8: Sand, fine to medium, subrounded to subangular; trace pebbles; well sorted; moist; gray to orange brown; no odor.	35- 0.1 35.2- 0.6
				35.8-36.4:Sand, fine to medium, subrounded to subangular; and pebbles; small to medium, subrounded to subangular; poorly sorted; moist; orange brown; no odor.	36- 0.0
				36.4-37.75: Sand, fine to medium, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; orange brown; no odor.	37- 0.0 37.75- 0.0
40	45	3.3		40-41: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; little silt, nonplastic; poorly sorted; moist; light brown to gray; no odor.	40- 0.0
				41-41.6: Sand, fine to medium, subrounded to subangular; trace pebbles; well sorted; moist; light brown; no odor.	41- 0.0
				41.6-43.3: Sand, medium, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	42- 0.0 43- 0.0
45	50	3.3		45-46.6: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subangular to subrounded; trace silt; poorly sorted; moist; brown; no odor.	45- 0.0 46- 0.0
				46.6-48.3: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subangular to subrounded; trace silt; poorly sorted; moist; brown; no odor.	47- 0.0 48- 0.0

Sample Log (Cont.)

Well/Boring ISP SO 3-1 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Agnes Link-Harrington

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
50	55	3.4		50-53.4: Sand, fine to medium, subrounded to subangular; some pebbles, medium, subangular to subrounded; poorly sorted; moist until 51.8', then wet; brown to light brown; no odor. Sample taken from 50-52', VOC grab from 50'.	50-0.6 51-0.0 52-0.0 53-0.0
55	60	5		55-58.5: Sand, medium, subangular to subrounded; and pebbles, small to large, subrounded to subangular; poorly sorted; moist (possible cave in); brown; no odor.	55-0.0 56-0.0 57-0.0 58-0.0
				58.5-60: Sand, fine to medium, subrounded to subangular; well sorted; wet; tan; no odor. At water table.	

Sample Log

Well/Boring: ISP SO 3-2 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 3/15/2021 | Drilling Completed: 3/15/2021

Total Depth Drilled: 70 feet | Hole Diameter: 6 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 5 feet / 4 inches | Type of Sampling Device: Sonic Core Barrel

Drilling Method: Sonic | Drilling Fluid Used: Water

Drilling Contractor: Aquifer Drilling and Testing | Driller: Brian Karshick | Helper: Artie LaRocca

Prepared By: Agnes Link-Harrington | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger		0-2: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; brown; no odor.	1- 0.0 2- 0.0
				2-5: Sand, medium, subrounded to subangular; and pebbles, small to large, subrounded to subangular; poorly sorted; moist; brown; no odor.	3- 0.0 4- 0.0 5- 0.0
5	10	3		5-6.3: Sand, medium, subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted; moist; brown; no odor.	5- 0.0 6- 0.0
				6.3-6.7: Sand, fine, rounded to subrounded; and silt, low plasticity; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; brown; no odor.	
				6.7-8: Sand, medium to coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; little silt, non-plastic; poorly sorted; moist; orange brown; no odor.	7- 0.0 8- 0.0
10	20	3.5		10-12.7: Sand, medium to coarse, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	10- 0.2 11- 0.1 12- 0.1
				12.7-13.5: Sand, fine to medium, subrounded to subangular; some silt, low plasticity; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; tan to orange brown; no odor.	13- 0.1 13.5- 0.1
20	30	3.6		20-22.6: Sand, medium to coarse, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	20- 0.1 21- 0.1 22- 0.2
				22.6-23.6: Sand, fine to medium, subrounded to subangular; some silt, non-plastic; little pebbles, small, subrounded; poorly sorted; moist; tan to orange brown; no odor.	23- 0.1 23.6- 0.0
30	40	3		30-31.6: Sand, medium to coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; poorly sorted; moist; light brown; no odor.	30- 0.0 31- 0.0
				31.6-33: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular: little silt, non-plastic; poorly sorted; moist; light brown; no odor.	32- 0.1 33- 0.0

Sample Log (Cont.)

Well/Boring ISP SO 3-2 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Agnes Link-Harrington

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
40	50	3.25		40-41.5: Sand, medium, subrounded to subangular; some pebbles, medium to very large, subrounded to subangular; poorly sorted; moist; light brown; no odor.	40- 0.0 41- 0.0
				41.5- 43.25: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; trace silt; poorly sorted; moist; light brown to gray; no odor. Sample taken from 41-43', VOC grab sample collected at 43'.	42- 0.0 43- 0.1 43.25- 0.0
50	60	2		50-52: Sand, medium to coarse, subrounded to subangular; and pebbles, medium to very large, subrounded to subangular; poorly sorted; moist to wet; light brown; no odor. In water table.	50- 0.0 51- 0.0 52- 0.0
60	70	4		60-64: Sand, medium to coarse, subrounded to subangular; and pebbles, small to large, subrounded to subangular; poorly sorted; wet; no odor, potential staining observed at 63'.	60- 0.0 61- 0.0 62- 0.0 63- 0.0 64- 0.0

Sample Log

Well/Boring: ISP SO 4-1
Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855
Site Location: Ronkonkoma, New York
Drilling Started: 3/4/2021
Drilling Completed: 3/5/2021
Total Depth Drilled: 65 feet
Hole Diameter: 2.25 inches
Sampling Interval: Continuous feet
Length and Diameter of Sampling Device: 5 feet / 2.25 inches
Type of Sampling Device: Macrocore
Drilling Method: Direct Push
Drilling Fluid Used: None
Drilling Contractor: Aquifer Drilling and Testing
Driller: Jimmy McGill
Helper: Artie LaRocca
Prepared By: Agnes Link-Harrington
Hammer Weight: N/A
Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger		0-2: Sand, medium to very coarse, subrounded to subangular; and pebbles, large to very large, angular to subangular; some silt, low plasticity; poorly sorted; moist; dark brown; no odor. Sample collected from 0-2'.	1- 0.0 2- 0.0
				2-5: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	3- 0.0 4- 0.0 5- 0.0
5	10	3		5-5.8: Sand, fine, rounded to subrounded; some pebbles, small, subrounded; well sorted; moist; light brown; no odor.	5- 0.0
				5.8-6.7: Sand, medium to very coarse, subrounded to subangular; and pebbles, medium to large, subrounded to subangular; trace silt; poorly sorted; moist; orange brown; no odor.	6- 0.0
				6.7-8: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	7- 0.0
10	15	1.5		10-10.8: Sand, fine to medium, rounded to subrounded; little pebbles, small, subrounded to subangular; trace silt; poorly sorted; moist; light brown; no odor.	10- 0.0
				10.8-12.3: Sand, fine to medium, subrounded to subangular; and pebbles, small to medium, angular to subangular (possible rock fragments); little silt, non-plastic; poorly sorted; moist; dark gray; no odor. ISO SO 4-1 (10-15) VOC sample is taken from 11.5. Only collected VOCs and PFAS samples due to limited volume.	11- 0.0
15	20	2.75		15-15.5: Sand, medium to coarse, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; trace silt; poorly sorted; moist; light brown; no odor.	15- 0.0
				15.5-15.8: Sand, fine to very fine, rounded to subrounded; some pebbles, small, subrounded to subangular; little silt; poorly sorted; moist; dark brown to dark gray; no odor.	16- 0.0
				15.8-16: Sand, medium to very coarse, subrounded to subangular; little pebbles, small, subrounded; poorly sorted; moist; orange brown; no odor.	16- 0.0
				16.2-16.7: Sand, fine to medium, subrounded to subangular; some silt, low plasticity; some pebbles, small to large, angular to subangular; poorly sorted; moist; dark brown to gray; no odor.	

Sample Log (Cont.)

Well/Boring ISP SO 4-1 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Agnes Link-Harrington

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				16.7-17.75: Sand, very fine to fine, rounded to subrounded; little pebbles, small to medium, subangular to angular; well sorted; moist; light brown; no odor.	17- 0.0 17.7-0.0
20	25	3.5		20-20.75: Sand, fine to medium, subrounded to subangular; some pebbles, medium to small, subrounded to subangular; trace silt; poorly sorted; moist; light brown to orange brown; no odor.	20- 0.0 21- 0.0
				20.75-21.33: Sand, very fine to fine, rounded to subrounded; some pebbles, small, subrounded to subangular; little silt; poorly sorted; moist; dark brown to dark gray; no odor.	22- 0.0
				21.33-23.5: Sand, fine, rounded to subrounded; little pebbles, small to medium, subangular to angular; well sorted; moist; light brown to tan; no odor.	23- 0.0 23.5- 0.0
25	30	2.7		25-25.5: Sand, fine to medium, subrounded to subangular; trace pebbles, small, subrounded; well sorted; moist; brown; no odor.	25- 0.0
				25.5-26.4: Sand, fine to medium, subrounded to subangular; AND silt, non-plastic; some pebbles, medium, angular; poorly sorted; moist; dark brown to gray; no odor.	26- 0.0
				26.4-26.8: Sand, very fine to fine, rounded to subrounded; AND pebbles, small to large, subrounded to angular; poorly sorted; slightly moist; light brown; no odor.	
				26.8-27.7: Sand, fine, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted; slightly moist; light brown to orange brown; no odor.	27- 0.0 27.7-0.0
30	35	4.2		30-31.7: Sand, fine to medium, subrounded to subangular; AND pebbles, small to medium, subrounded to angular; little silt; poorly sorted; moist; dark brown to gray; no odor.	30- 0.0 31- 0.0
				31.7-34.2: Sand, fine, rounded to subrounded; little pebbles, small, subrounded; well sorted; moist; light brown to tan; no odor.	32- 0.0 33- 0.0 34- 0.0
35	40	4		35-36.7: Sand, fine to medium, rounded to subrounded; some pebbles, small to medium, subrounded to subangular; little silt; poorly sorted; moist; dark brown; no odor.	35- 0.0 36- 0.0
				36.7-36.9: Sand, fine to medium, subrounded to subangular; and pebbles; small to medium, subrounded; poorly sorted; moist; light brown; no odor.	
				36.9-37.3: Sand, very fine to medium, subrounded to subangular; and pebbles, small to large, subrounded to subangular; some silt, non-plastic; poorly sorted; moist; brown; no odor.	37- 0.0
				37.3-39: Sand, fine, rounded to subrounded; little pebbles, small to medium, subangular to angular; well sorted; moist; tan; no odor.	38- 0.0
40	45	2.6		40-40.9: Sand, fine to medium, subrounded to subangular; some pebbles, small, subrounded to subangular; little silt; poorly sorted; moist; dark brown; no odor.	40- 0.0

				40.9-41.1: Sand, very fine to fine, rounded to subrounded; AND pebbles, small to medium, subangular to angular; poorly sorted; moist; light brown; no odor.	41- 0.0
				41.1-41.4: Sand, fine to medium, subrounded to subangular; AND pebbles, small, subangular; poorly sorted; moist; orange brown; no odor.	
				41.4-42.6: Sand, fine, rounded to subrounded; some pebbles, medium, subrounded to subangular; trace silt; poorly sorted; moist; light brown; no odor.	42- 0.0 42.6- 0.0
45	50	3		45-46: Sand, fine to medium, subrounded to subangular; some pebbles, small, subrounded to subangular; little silt; poorly sorted; moist; dark brown; no odor.	45- 0.0 46- 0.0
				46-48: Sand, medium, subrounded to subangular; some pebbles, small to medium, subangular to subrounded; trace silt; poorly sorted; moist; tan; no odor.	47- 0.0 48- 0.0
50	55	3.3		50-51: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; little silt; poorly sorted; moist; dark brown; no odor.	50-0.6 51-0.0
				51-53.3: Sand, fine, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; well sorted; moist; tan; no odor.	52-0.0 53-0.0
55	60	2.8		55-55.6: Sand, fine, rounded to subrounded; little pebbles, small, subrounded; well sorted; moist; tan and light gray; no odor.	55-0.0
				55.6-56: Sand, fine to medium, subrounded to subangular; some silt, non-plastic; little pebbles, very small to small, subrounded to subangular; poorly sorted; moist; dark brown; no odor.	56-0.1
				56-57.6: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; tan; no odor.	57-0.0
				57.6-57.8: Sand, coarse to very coarse, subrounded to subangular; poorly sorted; moist to wet; light brown; no odor.	57.8-0.0
60	65	3.7		60-61: Sand, fine to medium, subrounded to subangular; some pebbles, medium, subangular to subrounded; trace silt; poorly sorted; wet; dark brown; no odor.	60-0.0 61-0.0
				61-63.7: Sand, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted; wet; light brown; no odor.	62-0.0 63-0.0

Sample Log

Well/Boring: ISP SO 4-2 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 3/10/2021 | Drilling Completed: 3/11/2021

Total Depth Drilled: 80 feet | Hole Diameter: 6 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 10 feet / 4 inches | Type of Sampling Device: Sonic Core Barrel

Drilling Method: Sonic | Drilling Fluid Used: None

Drilling Contractor: Aquifer Drilling and Testing | Driller: Brian Karshick | Helper: Artie LaRocca

Prepared By: Agnes Link-Harrington | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger		0-1: Gravel, asphalt and pebbles (parking lot fill material).	1- 0.0
				1-2: Sand, medium, subrounded to subangular; some pebbles, large to very large, subrounded to subangular; little silt, non-plastic; poorly sorted; moist; brown; no odor.	2- 0.0
				2-5: Sand, fine to medium, subrounded to subangular; some pebbles, large to very large, subrounded to subangular; poorly sorted; moist; light brown; no odor.	3- 0.0 4- 0.0 5- 0.0
5	10	2.8		5-5.5: Sand, coarse to very coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; trace cobbles, subangular; poorly sorted; moist; gray brown; no odor.	5- 0.0
				5.5-7: Sand, medium to coarse, subrounded to subangular; and pebbles, small to large, subrounded to subangular; some cobbles, small, subangular to subrounded; poorly sorted; moist; brown; no odor.	6- 0.1 7- 0.0
				7-7.8: Sand, medium, subrounded to subangular; little pebbles, small to large, subrounded to subangular; poorly sorted; moist; light brown; no odor.	7.8- 0.0
10	20	3.25		10-11.3: Sand, medium to coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; poorly sorted; moist; light brown; no odor.	10- 0.0 11- 0.0
				11.3-12.4: Sand, fine to medium, subrounded to subangular; some pebbles, small to large, subrounded to subangular; trace cobbles, small, subangular; poorly sorted; moist; brown; no odor.	12- 0.0
				12.4-13.25: Sand, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	13- 0.0
20	30	4.9		20-21: Sand, medium to coarse, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	20- 0.0 21- 0.0
				21-22.25: Sand, fine to medium, subrounded to subangular; some pebbles, small to very large, subrounded to subangular; trace silt; poorly sorted; moist; light orange brown; no odor.	22- 0.0
				22.25-23: Sand, fine to medium, subrounded to subangular; little pebbles, small, subangular; little silt; poorly sorted; moist; light orange brown; no odor.	23- 0.0

Sample Log (Cont.)

Well/Boring ISP SO 4-2 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Agnes Link-Harrington

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				23-23.3: Sand, fine to medium, subrounded to subangular; some silt, low plasticity; little pebbles, medium to large, subrounded to subangular; poorly sorted; moist; brown; no odor.	
				23.3-24.5: Sand, fine to medium, subrounded to subangular; some silt, low plasticity; little pebbles, large to very large, subrounded to subangular; poorly sorted; moist; black to orange brown; slight odor.	24- 0.0 24.5-0.4
				24.5-24.9: Sand, fine to medium, subrounded to subangular; some silt, non-plastic; little pebbles, small, subangular; well sorted; moist; orange brown; slight odor. ISP SO 4-2 (22.25- 24.9) and replicate collected.	24.9- 0.2
30	40	5.3		30-32: Sand, fine to medium, subrounded to subangular; some pebbles, small to very large, subrounded to subangular; trace silt; poorly sorted; moist; light orange brown; no odor.	30- 0.0 31- 0.0 32- 0.0
				32-33: Sand, fine to medium, subrounded to subangular; some silt, low plasticity; little pebbles, small, subrounded to subangular; poorly sorted; moist; orange brown; very slight odor.	33- 0.8
				33-34: Sand, fine to medium, subrounded to subangular; little pebbles, medium to large, subrounded to subangular; trace silt; poorly sorted; moist; orange brown to tan; no odor.	34- 1.6
				34-35.5: Sand, fine, rounded to subrounded; some silt, low plasticity; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	35- 0.0
40	50	4.6		40-41.5: Sand, medium to coarse, subrounded to subangular; and pebbles, small to large, subrounded to angular; trace cobbles, small, rounded; poorly sorted; moist; tan to light gray; no odor.	40- 0.0 41- 0.0
				41.5-43.5: Sand, medium, subrounded to subangular; and pebbles, medium to very large, subrounded to subangular; some silt, low plasticity; poorly sorted; moist; brown; odor present. ISP SO 4-2 (42-44) collected with VOC grab from 43 feet bls.	42- 0.8 43- 26.1
				43.5-44.6: Sand, fine to very fine, rounded to subrounded; and silt, non-plastic; some pebbles, large to very large, subrounded to subangular; poorly sorted; dry; tan; no odor.	44- 1.8 44.6- 1.9
50	60	3.2		50-52.4: Sand, medium, subrounded to subangular; little pebbles, small, subrounded; trace cobbles, small, rounded; poorly sorted; moist; light brown; no odor.	50- 0.0 51- 0.0 52- 0.0
				52.4-53.2: Sand, fine to medium, subrounded to subangular; some silt, low plasticity; poorly sorted; moist; light brown; slight odor. ISP SO 4-2(51-53) and MS/MSD collected with VOC grab at 53.2 feet bls.	53- 0.0

Sample Log (Cont.)

Well/Boring ISP SO 4-2 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Agnes Link-Harrington

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
60	70	5.5		60-65.5: Sand, fine to medium, subrounded to subangular; and pebbles; small to medium, subrounded to subangular; trace silt; poorly sorted; moist to wet; light brown; no odor, presumed to be in water table.	60- 0.0 61- 0.0 62- 0.0 63- 0.0 64- 0.0 65- 0.0
70	80	5.4		70-71.5: Sand, medium, subrounded to subangular; trace pebbles, very small, subrounded to subangular; poorly sorted; wet; light brown; no odor.	70- 0.0 71- 0.0
				71.5-75.4: Sand, medium to coarse, subrounded to subangular; some pebbles, medium to very large, subangular to subrounded; trace silt; poorly sorted; wet; light brown; no odor.	72- 0.0 73- 0.0 74- 0.0 75- 0.0

Sample Log

Well/Boring	ISP SO 5-1	Project Name and No.	Town of Islip, Long Island MacArthur Airport; 30017855
Site Location	Ronkonkoma, New York	Drilling Started	6/21/2021
Drilling Completed	6/22/2021		
Total Depth Drilled	59.9 feet	Hole Diameter	2.75 inches
Sampling Interval	Continuous feet		
Length and Diameter of Sampling Device	5 feet / 2.75 inches	Type of Sampling Device	Macrocore
Drilling Method	Direct Push	Drilling Fluid Used	None
Drilling Contractor	Aquifer Drilling and Testing	Driller	Jimmy McGill
Helper	Rob Bysheim		
Prepared By	Agnes Link-Harrington	Hammer Weight	N/A
Hammer Drop	N/A inches		

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5			0-4': Sand, medium to coarse, subrounded to subangular; and medium to very large, subrounded to subangular; poorly sorted; moist, brown; no odor.	1- 0.0 2- 0.0 3- 0.0 4- 0.0
				4-5': Sand, medium to coarse, subrounded to subangular; some pebbles, medium to large, subrounded to subangular; little silt, non plastic; poorly sorted; moist; brown; no odor.	5- 0.0
5	10	1.75		5-5.5': Sand, fine to medium, rounded to subangular; some silt, non plastic; little pebbles, small, subrounded; poorly sorted; moist; gray brown; no odor.	5- 0.0 6- 0.0 6.75- 0.0
				5.5-6.75': Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; orange brown; no odor.	
10	15	2.66		10-11': Sand, fine to medium, subrounded to subangular; little pebbles, small, subangular to subrounded; trace silt, non plastic; poorly sorted; moist; brown; no odor.	10- 0.0 11- 0.0
				11-12.66': Sand, medium to coarse, subrounded to subangular; some pebbles, medium to very large, subangular to subrounded; poorly sorted; moist; orange brown; no odor.	12- 0.0 12.66- 0.0
15	20	3.8		15-15.3': Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; little silt, non plastic; poorly sorted; moist; brown; no odor.	15- 0.0
				16.3-17': Sand, medium, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light orange brown; no odor.	16- 0.0
				17-18.5': Sand, medium to coarse subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted; moist; orange brown; no odor.	17- 0.0 18- 0.0
				18.5-18.8': Sand, fine to medium, subrounded to subangular; and pebbles, medium, angular to subangular; poorly sorted; moist; orange brown; no odor.	18.8- 0.0
20	25	3.2		20-21': Sand, fine to medium, subrounded to subangular; little pebbles, small, subrounded to subangular; poorly sorted moist; gray to light brown; odor present; staining from 20-20.5'.	20- 0.0 21- 0.0

Sample Log (Cont.)

Well/Boring ISP SO 5-1 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Agnes Link-Harrington

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				21-23.2': Sand, fine to coarse, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; orange brown; no odor. *VOC grab from (20-20.5'), composite from (20-22'); ISP SO 5-1 (20-22') taken at 11:40 based on odor and staining.	22- 0.0 23- 0.0
25	30	3.3		25-26': Sand, fine to medium, subrounded to subangular; and granules, subrounded to subangular; trace pebbles, small, subrounded; poorly sorted; moist; gray brown; no odor; staining observed from 25.3'-25.8'	25- 0.0
				26-26.4': Sand, fine to medium, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; dark brown to orange brown; no odor.	26- 0.0
				26.4-27.5': Sand, fine to medium, subrounded to subangular; trace pebbles, medium, subrounded; poorly sorted; moist; light brown; no odor.	26- 0.0
				27.5-28.3': Sand, fine to coarse, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light orange brown [first top and bottom 2 times coarser than middle].	28- 0.0 28.3- 0.0
30	35	4.2		30-32': Sand, fine to medium, subrounded to subangular; some pebbles, medium to large, subrounded to subangular; trace silt; poorly sorted; moist; brown; odor present; staining at 30.5' and 31'.	30- 0.0 31- 0.0
				32-34.2': Sand, fine to medium, rounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; tan; no odor.	33- 0.0 34- 0.0
35	40	4.9		35-37.4': Sand, medium, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; brown; staining and slight odor at 35'.	35- 0.0 36- 0.0, 37- 0.1
				37.4-39.9: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	38- 0.0 39- 0.0, 39.9- 0.0
40	45	4.9		40-42': Sand, medium, subrounded to subangular; little pebbles, small, subrounded to subangular; trace granules; poorly sorted; moist; brown; no odor; staining at 40'; thin, black diagonal line runs from 41.5-42.5'.	40- 0.0 41- 0.0
				42-44.3': Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; tan to light brown; no odor.	42- 0.0 43- 0.0 44- 0.0
				44.3-44.9': Sand, fine to medium, subrounded to subangular; and pebbles, small to medium, subangular to subrounded; poorly sorted; moist; light brown; no odor.	44.9- 0.0

Sample Log (Cont.)

Well/Boring ISP SO 5-1 Project Name and No. Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Agnes Link-Harrington

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
45	50	4.9		45-45.5': Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subangular to subrounded, trace silt; poorly sorted; moist; brown; slight odor; staining close to 45'.	45- 0.0
				45.5-47': Sand, medium to coarse, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light orange brown; no odor.	46- 0.0 47- 0.0
				47-49.9': Sand, fine to medium, subrounded to subangular; and pebbles; small to large, subrounded to subangular; poorly sorted; moist; tan.	48- 0.0 49- 0.0
50	55	2.6		50-52': Sand, medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; brown; no odor; staining at 50'.	50- 0.0 51- 0.0 52- 0.0
				52-52.6': Sand, fine to medium, subrounded to subangular; little pebbles, small to medium, rounded to subangular; poorly sorted; tan, no odor.	
				[After trouble advancing at 50', all rods were pulled and then re-drilled. shoe. Likely that this is not representative of the (50-55') interval.] Sample (53-55') at 1540 *VOC grab at 54'	
55	60	4.9		55-59.9': *Water Table; Sand, fine to medium, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; little granules, subrounded; poorly sorted; moist 56.5' - then wet/saturated; no odor.	55- 0.0 56- 0.0 57- 0.0

Sample Log

Well/Boring: ISP SO 6-1 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 6/23/2021 | Drilling Completed: 6/23/2021

Total Depth Drilled: 45 feet | Hole Diameter: 2.25 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 5 feet / 2.25 inches | Type of Sampling Device: Macrocore

Drilling Method: Direct Push | Drilling Fluid Used: None

Drilling Contractor: Aquifer Drilling and Testing | Driller: Jimmy McGill | Helper: Rob Bysheim

Prepared By: Stephen Vlavianos | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger		0-1: Sand, medium to fine, subangular to subrounded; some silt, non-plastic; little pebbles, medium, subrounded to subangular; poorly sorted; moist; no odor; dark brown	1- 1.4
				1-2: Sand, medium to fine, subrounded to subangular; little pebbles, small, subrounded to subangular; trace silt; poorly sorted; moist; no odor; light brown	2- 1.6
				2-5: Sand, fine, subrounded to subangular; some pebbles, medium to very large, subrounded to subangular; trace silt; poorly sorted; moist; no odor; brown.	3- 0.7 4- 0.1 5- 0.1
5	10	1.66		5-6: Sand, medium, subrounded to subangular; little silt, non-plastic; trace pebbles, small, subrounded; poorly sorted; moist; no odor; light brown.	5- 0.0 6- 0.0
				6-6.66: Sand, medium, subrounded to subangular; trace silt, non-plastic; trace pebbles, medium, subangular; poorly sorted; moist; no odor; dark brown.	6.66- 0.0
10	15	0.5		10-10.5: Sand, medium, subangular; trace pebbles, very large, subrounded; poorly sorted; moist; no odor; light brown. Poor recovery due to rock in the shoe.	10- 0.0
15	20	3		15-16: Sand, medium to fine, subangular to subrounded; trace pebbles, medium, subrounded; poorly sorted; moist; no odor; dark brown.	15- 0.0
				16-17: Sand, medium, subangular; trace pebbles, large, subangular; poorly sorted; moist; light brown; no odor.	16- 0.0
				17-18: Sand, coarse to medium, subangular; trace pebbles, medium, subrounded to subangular; poorly sorted; moist; no odor; light brown/ orange.	17- 0.0 18- 0.0
20	25	4.25		20-21: Sand, medium to fine, subangular to subrounded; trace pebbles, medium, subrounded; poorly sorted; moist; no odor; brown. Staining present from 20-20.5.	20- 0.0 21- 0.0
				21-22.25: Sand, medium to coarse, subrounded to subangular; trace pebbles, large, subrounded; poorly sorted; moist; no odor; light brown/tan.	22- 0.0

Sample Log (Cont.)

Well/Boring ISP SO 6-1 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				22.25-23: Sand, medium to coarse, subrounded to subangular; trace pebbles, medium, subrounded; poorly sorted; moist; no odor; brown.	23- 0.0
				23-24.25: Sand, coarse, subrounded to subangular; poorly sorted; moist; no odor; light brown.	24.25- 0.0
25	30	3.75		25-26: Sand, coarse, subrounded to subangular; little pebbles, medium, subangular; poorly sorted; moist; no odor; dark brown. Staining at 25.25-25.5.	25- 0.0 26- 0.0
				26-28.75: Sand, medium to fine, subrounded to subangular; some pebbles, medium to very large, subrounded to subangular; poorly sorted; moist; no odor; light brown.	27- 0.0 28- 0.0 28.75- 0.0
30	35	4.25		30-31.25: Sand, medium to coarse, subangular; little pebbles, small to medium, subrounded; poorly sorted; moist; no odor; dark brown.	30- 0.0 31- 0.0 32- 0.0
				31.25-32.25: Sand, medium to coarse, subrounded to subangular; little pebbles, small, subrounded; poorly sorted; moist; no odor; light brown.	
				32.25-33: Sand, medium to fine, subangular; trace pebbles, medium, subrounded; poorly sorted; moist; no odor; light brown.	33- 0.0
				33-34.25: Sand, medium to coarse, subangular to subrounded; trace pebbles, small, subrounded; poorly sorted; moist; no odor; brown.	34- 0.0 34.25- 0.0
35	40	4		35-36.5: Sand, medium to fine, subrounded to subangular; trace silt, non-plastic; trace pebbles, medium, subrounded, poorly sorted; moist; no odor; brown. Staining at 35.75.	35- 0.0 36- 0.0
				36.5-39: Sand, fine to medium, subrounded to subangular; trace pebbles, medium, subrounded to subangular; poorly sorted; moist; no odor; light brown.	37- 0.0 38- 0.0 39- 0.0
40	45	3.25		40-41: Sand, medium, subrounded to subangular; trace pebbles, small, subrounded; poorly sorted; moist; no odor; brown.	40- 0.0
				41-41.5: Sand, coarse, subrounded to subangular; little granules, subrounded to subangular; poorly sorted; wet; no odor; light brown. Water table at 41.	41- 0.0
				41.5-42.75: Sand, medium to fine, subrounded to subangular; little pebbles, medium, subrounded; poorly sorted; wet; no odor; light brown.	42- 0.0
				42.75-43.25: Sand, coarse to medium, subrounded to subangular; little pebbles, subrounded to subangular; poorly sorted; wet; no odor; brown.	43- 0.0 43.25- 0.0

Sample Log

Well/Boring: ISP SO 7-1
Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855
Site Location: Ronkonkoma, New York
Drilling Started: 6/23/2021
Drilling Completed: 6/23/2021
Total Depth Drilled: 40 feet
Hole Diameter: 2.25 inches
Sampling Interval: Continuous feet
Length and Diameter of Sampling Device: 5 feet / 2.25 inches
Type of Sampling Device: Macrocore
Drilling Method: Direct Push
Drilling Fluid Used: None
Drilling Contractor: Aquifer Drilling and Testing
Driller: Jimmy McGill
Helper: Dan Toer
Prepared By: Stephen Vlavianos
Hammer Weight: N/A
Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger		0-2: Sand, medium, subrounded to subangular; and pebbles, very large to small, subrounded; some cobbles, small, rounded; poorly sorted; moist; no odor; brown.	1- 0.0 2- 0.0
				2-3: Sand, medium to coarse, subrounded to subangular; pebbles, small to medium, subrounded; poorly sorted; moist; no odor; light brown.	3- 0.0
				3-5: Sand, medium to fine, subrounded to subangular; pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; light brown/ orange.	4- 0.0 5- 0.0
5	10	2		5-5.75: Sand, coarse to medium, subrounded to subangular; little pebbles, large, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; brown.	5- 0.0
				5.75-7: Sand, medium to fine, subrounded to subangular; trace silt, non-plastic; trace pebbles, medium to small, subrounded to subangular; poorly sorted; moist; no odor; light brown.	6- 0.4 7- 0.7
10	15	3.25		10-10.75: Sand, medium to fine, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	10- 0.0
				10.75-11: Sand, medium to coarse, subrounded to subangular; trace pebbles, medium to small, subrounded to subangular; poorly sorted; no odor; moist; dark brown.	11- 1.7
				11-13.25: Sand, medium to fine, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	12- 0.2 13- 0.1 13.25- 0.0
15	20	3.75		15-16.25: Sand, medium to fine, subrounded; trace silt, non-plastic; trace pebbles, medium to large, subrounded to subangular; poorly sorted; moist; no odor; dark brown.	15- 0.2 16- 0.8
				16.25-16.75: Sand, medium, subrounded to subangular; little pebbles, medium, subrounded; poorly sorted; moist; no odor; brown.	
				16.75- 18.75: Sand, fine to medium, subrounded; some pebbles, very large to medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; light brown/ white.	17- 0.1 18- 0.1 18.75- 0.0

Sample Log (Cont.)

Well/Boring ISP SO 7-1 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
20	25	5		20-21.5: Sand, medium to coarse, subrounded to subangular; some pebbles, medium to large, surrounded; poorly sorted; moist; no odor; light brown.	20- 0.0 21- 0.1
				21.5-22: Sand, medium to fine, subrounded to subangular; some pebbles, medium to small, subrounded to subangular; trace granules, subrounded; poorly sorted; moist; no odor; brown.	22- 0.2
				22-24: Sand, medium, subrounded to subangular; trace pebbles, small to medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	23- 0.0
				24-25: Sand, medium to coarse, subangular; trace pebbles, large to very large; poorly sorted; moist; no odor; orange brown.	24- 0.0 25- 0.1
25	30	3.75		25-26: Sand, medium to fine, subrounded to subangular; trace silt, non-plastic; trace pebbles, medium, subrounded; poorly sorted; moist; no odor; dark brown.	25- 0.0 26- 0.0
				26-27.75: Sand, medium to fine, subrounded to subangular; some pebbles, large to medium, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	27- 0.1
				27.75-28.75: Sand, fine to medium, subrounded; and pebbles, medium, subrounded; trace granules subrounded; poorly sorted; moist; no odor; dark brown.	28- 0.1 28.75- 0.0
30	35	4.5		30-32: Sand, medium to fine, subrounded to subangular; and pebbles, large to medium, subrounded to subangular; some granules, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; tan/brown.	30- 0.0 31- 0.0
				32-32.5: Sand, medium to coarse, subrounded to subangular; some pebbles, large to medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	32- 0.1
				32.5-33.25: Sand, fine to medium, subrounded to subangular; some pebbles, very large to medium, subrounded to subangular; little granules, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; brown.	33- 0.1
				33.25-34.5: Sand, medium to fine, subrounded to subangular; little pebbles, large to small; trace silt, non-plastic; poorly sorted; moist; no odor; white brown.	34- 0.0 34.5- 0
35	40	5		35-37: Sand, fine to medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	35- 0.0 36- 0.0
				37-38: Sand, coarse, subrounded to subangular; little pebbles, small to medium, subrounded; poorly sorted; moist; no odor; tan to white brown.	37- 0.0
				38-39: Sand, medium to fine, subrounded to subangular; and pebbles, medium to large, subrounded to subangular; poorly sorted; wet; no odor; orange brown. Water table at 38.5.	38- 0.0
				39-40: Sand, medium to fine, subrounded to subangular; trace silt, non-plastic; poorly sorted; wet; no odor; orange brown.	39- 0.0 40- 0.0

Sample Log

Well/Boring: ISP GWG 8-1 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 6/28/2021 | Drilling Completed: 6/28/2021

Total Depth Drilled: 37 feet | Hole Diameter: 2.25 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 5 feet / 2.25in | Type of Sampling Device: Macrocore

Drilling Method: Direct Push | Drilling Fluid Used: None

Drilling Contractor: Aquifer Drilling and Testing | Driller: Jimmy McGill | Helper: Dan Toer

Prepared By: Stephen Vlavianos | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger	N/A	0-2: Sand, medium to fine, subrounded to subangular; some pebbles, medium to large, subrounded to subangular; trace silt, non-plasticity; poorly sorted; no odor; moist; light brown.	1- 0.0
				2-4: Sand, medium to coarse, surrounded to subangular; some pebbles, medium to large, subrounded; trace silt, non-plasticity; poorly sorted; moist; no odor; brown.	2- 0.0 3- 0.0
				4-5: Sand, medium to coarse, subrounded to subangular; and pebbles, small o large, subrounded; trace granules, subrounded; trace silt, non-plasticity; poorly sorted; moist; no odor; dark brown.	4- 0.0 5- 0.0
5	10	3		5-5.5: Sand, medium to core, subrounded to subangular; little pebbles, small to medium, subrounded; trace granules, subrounded; poorly sorted; moist; no odor; dark brown.	5- 0.0
				5.5-7.5: Sand, medium to fine, subrounded to subangular; trace pebbles, medium, subrounded to subangular; trace pebbles, medium, subrounded to subangular; trace silt, non-plasticity; poorly sorted; moist; no odor;	6-0.0 7- 0.0
				7.5-8: Sand, fine, subrounded to subangular; trace granules, subrounded; poorly sorted; moist; no odor; brown	8- 0.0
10	15	4		10-11.25: Sand, medium to fine, subrounded; little pebbles, small to large, subrounded; trace silt, non-plasticity; poorly sorted; moist; no odor; brown.	10- 0.0 11- 0.5
				11.25-13: Sand, coarse, subrounded to subangular; and pebbles, medium to very large, subrounded to subangular; trace silt, non-plasticity; poorly sorted; moist; light brown; no odor.	12- 0.8 13- 1.1
				13-14: Sand, medium to coarse, subrounded to subangular; trace granules, subrounded; poorly sorted; moist; tan; no odor.	14- 0.6
15	20	4.5		15-15.75: Sand, medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; trace silt, non-plasticity; poorly sorted; moist; no odor; dark brown.	15- 0.0
				15.75-16.25: Sand, medium to fine, subrounded to subangular; and granules, subrounded; little silt, non-plasticity; poorly sorted; moist; no odor; dark brown.	16- 0.0
				16.25-18: Sand, medium to coarse, subrounded to subangular; some pebbles, medium to very large, subrounded to subangular; poorly sorted; moist; no odor; tan.	17- 0.0 18- 0.0
				18-19.5: Sand, medium to fine, subrounded to subangular; trace pebbles, very large, subangular; trace silt, non-plasticity; poorly sorted; moist; no odor; dark brown.	19- 0.0 19.5- 0.0

Sample Log (Cont.)

Well/Boring ISP GWG 8-1 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
20	25	1.25		20-20.5: Sand, medium to fine, subrounded to subangular; some granules, subrounded to subangular; trace silt, non-plasticity; poorly sorted; moist; no odor; tan.	20- 0.3
				20.5-21.25: Sand, medium to fine, subrounded to subangular; some pebbles, medium to large, subrounded; little silt, non-plasticity; poorly sorted; moist; no odor; dark brown.	21- 0.0 21.25- 0.0
25	30	3.75		25-27:Sand, medium to coarse, subrounded to subangular; some pebbles, small to large, subrounded to subangular; some granules, subrounded to subangular; trace silt, non-plasticity; poorly sorted; moist; no odor; brown.	25- 0.1 26- 0.0
				27-28.75: Sand, medium to fine, subrounded to subangular; trace pebbles, very large, subrounded to subangular; trace silt, non-plasticity; poorly sorted; moist; no odor; tan.	27- 0.0 28- 0.5 28.75- 0.8
30	35	5		30-32.5: Sand, medium to coarse, subrounded to subangular; little granules, subrounded; trace silt, non-plasticity; poorly sorted; moist; no odor; dark brown.	30- 0.0 31- 0.2 32- 0.5
				32.5-33.5: Sand, medium to fine, subrounded to subangular; little pebbles, small to large subrounded to subangular; little silt, non-plasticity; poorly sorted; moist; no odor; dark brown.	33- 0.1
				33.5-35: Sand, medium to coarse, subrounded to subangular; some pebbles, medium, subrounded; poorly sorted; wet; no odor; tan.	34- 0.1 35- 0.0

Sample Log

Well/Boring	ISP GWG 11-1	Project Name and No.	Town of Islip, Long Island MacArthur Airport; 30017855
Site Location	Ronkonkoma, New York	Drilling Started	6/28/2021
Drilling Completed	6/29/2021		
Total Depth Drilled	45 feet	Hole Diameter	2.25 inches
Sampling Interval	Continuous feet		
Length and Diameter of Sampling Device	5 feet / 2.25in	Type of Sampling Device	Macrocore
Drilling Method	Direct Push	Drilling Fluid Used	None
Drilling Contractor	Aquifer Drilling and Testing	Driller	Jimmy McGill
Helper	Artie LaRocca		
Prepared By	Stephen Vlavianos	Hammer Weight	N/A
Hammer Drop	N/A inches		

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger	N/A	0-3.25: Sand, medium to coarse, subrounded to subangular; and pebbles, medium to very large, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	0- 0.0 1- 0.4 2- 0.8
				3.25-5: Sand, medium to fine, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; trace granules, subrounded; trace silt; poorly sorted; moist; light brown; no odor.	3- 0.7 4- 0.7 5- 0.4
5	10	4		5- 5.75: Sand, medium to coarse; subrounded to subangular; some granules, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	5 - 0.0
				5-8.25: Sand, medium to fines; subrounded to subangular; some pebbles; medium to very large, subangular; trace silt, no plasticity; poorly sorted; moist; no odor; light brown.	6 - 0.1 7 - 0.1 8 - 0.0
				8.25-9: Sand, medium to coarse, subrounded to subangular; little pebbles, small to large, subrounded to subangular; poorly sorted; moist; no odor; dark brown.	9 - 0.0
10	15	3.5		10-11: Sand, medium to fine, subrounded to subangular; some pebbles, small to medium, subrounded; little granules, subrounded; trace silt, non plasticity; poorly sorted; moist; no odor; dark brown.	10 - 0.0 11 - 0.0
				11-12.5: Sand, medium to coarse, subrounded to subangular; trace pebbles, medium, subrounded to subangular; trace silt, non plasticity; poorly sorted; moist; no odor; brown.	12 - 0.0
				12.5-13.5: Sand, medium to coarse; subrounded to subangular; little granules; subrounded; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	13 - 0.0 13.5 - 0.0
15	20	4		15-16.5: Sand, medium to fine, subrounded to subangular; some granules, subrounded; trace pebbles, large, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; dark brown.	15 - 0.0 16 - 0.0
				16.5-19: Sand, medium, subrounded to subangular; some pebbles, small to large, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist, no odor; light brown.	17 - 0.0 18 - 0.0 19 - 0.0
20	25	5		20-22: Sand, medium to coarse, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; trace granules, subrounded; trace silt, no plasticity; poorly sorted; moist; no odor; dark brown.	20 - 0.4 21 - 0.8 22 - 1.2

Sample Log (Cont.)

Well/Boring ISP GWG 11-1 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				22-23.5: Sand, medium to coarse, subrounded to subangular; trace granule, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	23 - 1.2
				23.5-25: Sand, medium to fine, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; tan.	24 - 1.3 25 - 1.1
25	30	5		25-27: Sand, medium to coarse, subrounded; some granules, subrounded; trace pebbles, large, subangular; trace silt, no plasticity; poorly sorted; moist; no odor; dark brown.	25 - 0.0 26 - 0.0 27 - 0.1
				27-30: Sand, medium to fine, subrounded to subangular; some pebbles, small to large, subrounded; little granules, subrounded; trace silt, no plasticity; poorly sorted; moist; no odor; brown and tan.	28 - 0.8 29 - 0.7 30 - 0.5
30	35	5		30- 32.25: Sand, medium to coarse, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; little granules, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist;	30 - 0.0 31 - 0.0 32 - 0.0
				32.25-32.75: Sand, medium to fine, subrounded to subangular; little pebbles, medium to large, subangular; trace silt, no plasticity; poorly sorted; moist; no odor; dark brown.	
				32.75-34: Sand, medium to fine, subrounded; trace granules, subrounded; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	33 - 0.1
				34-35: Sand, medium to coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; little granules, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; tan.	34 - 0.1 35 - 0.1
35	40	5		35-36.25: Sand, coarse, subrounded to subangular; and pebbles, small to large, subrounded to subangular; some granules, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; dark brown.	35 - 0.0 36 - 0.0
				36.25-39: sand, medium to fine, subrounded to subangular; little pebbles, medium to large, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	37 - 0.0 38 - 0.0
				39-40: Sand, medium to fine, subrounded to subangular; trace granules, subrounded; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	39 - 0.0 40 - 0.0
40	45	5		40-42.5: Sand, medium to coarse, subrounded to subangular; little pebbles, medium to large, subrounded to subangular; trace granules, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	
				42.5-44.5: Sand, medium to fines, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; tan brown.	
				44.5-45: Sand, coarse, subrounded to subangular; trace granules, subrounded; poorly sorted; wet; no odor; light grown.	

Sample Log

Well/Boring	ISP GWG 11-2	Project Name and No.	Town of Islip, Long Island MacArthur Airport; 30017855
Site Location	Ronkonkoma, New York	Drilling Started	6/28/2021
Drilling Completed	6/29/2021		
Total Depth Drilled	45 feet	Hole Diameter	2.25 inches
Sampling Interval	Continuous feet		
Length and Diameter of Sampling Device	5 feet / 2.25 in	Type of Sampling Device	Macrocore
Drilling Method	Direct Push	Drilling Fluid Used	None
Drilling Contractor	Aquifer Drilling and Testing	Driller	Jimmy McGill
Helper	Todd Laderwager		
Prepared By	Stephen Vlavianos	Hammer Weight	N/A
Hammer Drop	N/A inches		

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger	N/A	0-5: Sand, medium to coarse, subrounded to subangular; and pebbles, medium to very large; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	0- 0.0 1- 0.4 2- 0.2 3- 0.4 4- 0.5 5- 0.4
5	10	3.75		5- 5.5: Sand, fine to medium; subangular to subrounded; AND pebbles, small to medium, subrounded to subangular; little silt, low plasticity; poorly sorted; moist; no odor; brown.	5 - 0.0
				5.5-6: Sand, medium to fines; subrounded to subangular; some pebbles; medium to very large, subangular; trace silt, no plasticity; poorly sorted; no odor; moist; light brown.	6 - 0.0
				6-7: Sand, medium to coarse, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; light brown.	7 - 0.0
				7-8.75: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; orange brown.	8- 0.0
10	15	3.5		10-10.6: Sand, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	10 - 0.0
				10.6-13.5: Sand, medium, subrounded to subangular; little pebbles, medium to large, subrounded to subangular; poorly sorted; moist; no odor; orange brown.	11 - 0.0 12 - 0.0
				12.5-13.5: Sand, medium to coarse; subrounded to subangular; little granules; subrounded; trace silt, no plasticity; poorly sorted; moist; no odor; brown.	13 - 0.0 13.5 - 0.0
15	20	3.8		15-16: Sand, fine, rounded to subrounded; some granules, subrounded; trace pebbles, large, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; dark brown.	15 - 0.0
				16-16.5: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist, no odor; light brown.	16 - 0.0

Sample Log (Cont.)

Well/Boring ISP GWG 11-2 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				16.5-17.3: Sand, medium to coarse, subrounded to subangular; some pebbles, medium to large, subrounded to subangular; poorly sorted; moist, no odor; orange brown.	17 - 0.0
				17.3-18.8: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subangular to subrounded; poorly sorted; moist, no odor; light brown.	18 - 0.0
20	25	4		20-21.3: Sand, medium to coarse, subrounded to subangular; some silt, no plasticity; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; dark brown.	20 - 0 21 - 0 22 - 0
				21.3-24: Sand, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; light brown.	23 - 0 24 - 0
25	30	3.75		25-26.2: Sand, fine to medium, subrounded to subangular; some granules, subrounded; trace pebbles, large, subangular; trace silt, no plasticity; poorly sorted; moist; no odor; dark brown.	25 - 0.0 26 - 0.0
				26.2-27.9: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; light brown.	27 - 0.0
				27.9-28.75: Sand, medium to coarse, subrounded to subangular; AND pebbles, medium to large, subrounded to subangular; poorly sorted; moist; no odor; orange to light brown.	28 - 0.0 28.75 - 0.0
30	35	4		30- 31.6: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; little silt, no plasticity; poorly sorted; moist; no odor; brown.	30 - 0.0 31 - 0.0
				31.6-34: Sand, medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; light brown.	32 - 0.0 33 - 0.0 34 - 0.0
35	40	4.5		35-36.2: Sand, fine to medium, subrounded to subangular; AND pebbles, small to large, subrounded to subangular; little silt, low plasticity; poorly sorted; moist; slight odor and slight staining at top 2in; gray brown.	35 - 0.0 36 - 0.0
				36.2-39.5: sand, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; light brown to tan.	37 - 0.0 38 - 0.0 39 - 0.0
40	45	2.8		40-41.7: Sand, fine to medium, subrounded to subangular; AND pebbles, small to medium, subrounded to subangular; trace silt, no plasticity; poorly sorted; moist; no odor; gray brown.	40 - 0.0 41 - 0.0
				41.7-42.2: Sand, fine to medium, subrounded to subangular; trace pebbles, medium, subrounded; well sorted; wet/saturated; no odor; light brown.	42 - 0.0
				42.2-42.8: Sand, medium to coarse, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted; wet/saturated; no odor; light grown.	42.8 - 0.0

Sample Log

Well/Boring: ISP GWG 12-1
Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855
Site Location: Ronkonkoma, New York
Drilling Started: 6/24/2021
Drilling Completed: 6/25/2021
Total Depth Drilled: 47 feet
Hole Diameter: 2.25 inches
Sampling Interval: Continuous feet
Length and Diameter of Sampling Device: 5 feet / 2.25 in
Type of Sampling Device: Macrocore
Drilling Method: Direct Push
Drilling Fluid Used: None
Drilling Contractor: Aquifer Drilling and Testing
Driller: Jimmy McGill
Helper: Rob L.
Prepared By: Stephen Vlavianos
Hammer Weight: N/A
Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger	N/A	0-1: Sand, medium to fine, subrounded to subangular; little pebbles, small to medium, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown.	0- 0.0 1- 0.4
				1-3: Sand, medium to fine, subrounded to subangular; some pebbles, medium to large, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; brown.	2- 0.8 3- 0.7
				3-5: Sand, medium to coarse, subrounded to subangular; AND pebbles, large to very large, subrounded; poorly sorted; moist; no odor; light brown.	4- 0.7 5- 0.4
5	10	2.5		5-5.5: Sand, medium to fine, subrounded to subangular; trace silt, non-plastic; trace pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; dark brown.	5 - 0.0
				5.5-7: Sand, medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	6 - 0.0
				7-7.5: Sand, medium to fine, subrounded to subangular; trace silt, non-plastic; trace pebbles, small, subrounded to subangular; poorly sorted; moist; no odor; white.	7 - 0.0 7.5- 0.0
10	15	3.25		10-11: Sand, medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown	10- 0.0 11- 0.0
				11-13.25: Sand, fine to medium, subrounded to subangular; some pebbles, small to large, subrounded to subangular; poorly sorted; moist; no odor; light brown.	12- 0.0 13- 0.0 13.25- 0.0
15	20	5		15-16.5: Sand, medium to fine, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; brown.	15- 0.0 16- 0.0
				16.5-18: Sand, coarse to medium, subrounded to subangular; little granules, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	17- 0.1

Sample Log (Cont.)

Well/Boring ISP GWG 12-1 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				18-20: Sand, fine, subrounded to subangular; some pebbles, small to medium, subrounded; trace silt, non-plastic: poorly sorted, moist; no odor; tan/white	18- 0.1 19- 0.1
				20-20.75: Sand, medium to fine, subrounded to subangular; trace pebbles, medium, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; tan.	20- 0.0
20	25	3		20-20.75: Sand, medium to fine, subrounded to subangular; trace pebbles, medium, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; tan.	20- 0.0
				20.75-22: Sand, fine to medium, subrounded to subangular; and pebbles, medium to large, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; brown.	21- 0.0 22- 0.0
				22-23: Sand, medium to fine, subrounded to subangular; trace granules, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	23- 0.0
25	30	3.25		25-25.75: Sand, medium to coarse, subrounded to subangular; trace silt, non-plastic; trace pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; dark brown.	25- 0.0
				25.75-28.25: Sand, fine to medium, subrounded to subangular; some pebbles, medium to very large, subangular; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	26- 0.1 27 -0.0 28- 0.0 28.25- 0.0
30	35	5		30-31.75: Sand, medium, subrounded to subangular; little granules, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown.	30- 0.0 31- 0.2
				31.75-33.5: Sand, medium to fine, subrounded to subangular; some pebbles, small to medium, subrounded; trace granules, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	32- 0.8 33- 0.9
				33.5-35: Sand, medium to fine, subrounded to subangular; and pebbles, medium to large, subrounded; poorly sorted; moist; no odor; light brown.	34- 0.5 35- 0.5
35	40	5		35-37:Sand, medium to coarse, subrounded to subangular; little pebbles, small to medium, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown.	35- 0.0 36- 0.0
				37-39: Sand, medium to coarse, subrounded to subangular; trace pebbles, medium to large, subrounded to subangular; poorly sorted; moist; light brown; no odor.	37- 0.1 38- 0.2
				39-40: Sand, fine to medium, subrounded to subangular; little pebbles, medium to large, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; light brow/ tan.	39- 0.0 40- 0.0
40	45	4.5		40-41.25: Sand, fine to medium, subrounded to subangular; trace pebbles, medium to large, subrounded; poorly sorted; moist no odor; brown.	40- 0.0 41- 0.4

Sample Log (Cont.)

Well/Boring ISP GWG 12-1 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				41.25-42.25: Sand, fine, subrounded to subangular; some pebbles, medium to large, subrounded to subangular; trace silt, non-plastic; poorly sorted; no odor; moist; light brown.	42- 0.1
				42.25-44:Sand, fine, subrounded to subangular; trace silt, non-plastic; trace granules, subrounded; poorly sorted; moist; no odor; light brown.	43- 1.1
				44-45: Sand, medium to coarse, subrounded to subangular; some pebbles, medium to large, subrounded to subangular; poorly sorted; wet; no odor; tan brown.	44- 0.7 45- 0.4
				* Water table is encountered at 44ft bls.	

Sample Log

Well/Boring: ISP MW-01 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 7/22/2021 | Drilling Completed: 7/22/2021

Total Depth Drilled: 46 feet | Hole Diameter: 6 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 5 feet / 4 inches | Type of Sampling Device: Core Barrels

Drilling Method: Sonic | Drilling Fluid Used: Water

Drilling Contractor: Aquifer Drilling and Testing | Driller: Tony P. | Helper: Artie L.

Prepared By: Stephen Vlavianos | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger	N/A	0-1: Sand, fine, subrounded to subangular; some pebbles; some pebbles, small to medium, subrounded to subangular; trace granules, subrounded to subangular, trace silt, non plastic; poorly sorted; moist; dark brown/gray; no odor.	1-0.1
				1-5: Sand, fine to medium, subrounded to subangular; some pebbles, small to large, subrounded to subangular; some granules, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; orange brown; no odor.	2-0.0 3-0.0 4-0.0 5-0.0
5	10	4		5-6: Sand, medium, subrounded to subangular; and pebbles, medium to large, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; brown; no odor.	5-8.5 6-1.1
				6-7: Sand, medium to coarse; subrounded to subangular; little granules, subrounded to subangular; trace silt, non plastic; trace cobbles, small, subrounded; poorly sorted; moist; light brown; no odor.	7-0.8
				7-9: Sand, fine to medium, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; some granules, subrounded to subangular; little cobbles, small, subrounded; trace silt, non plastic; poorly sorted, moist; gray brown; no odor.	8-0.6 9-0.6
10	20	6		10-12: Sand, medium to coarse, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; some granules, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; orange brown; no odor.	10-0.0 11-0.0 12-0.0
				12-14.75: Sand, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; trace granules, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; tan brown; no odor.	13-0.0 14-0.0
				14.75-16: Sand, fine, subrounded to subangular; and pebbles, small to large, subrounded to subangular; little granules, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; white tan; no odor.	15-0.0 16-0.0

Sample Log (Cont.)

Well/Boring ISP MW-01 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
20	25	2		20-21: Sand, fine to medium, subrounded to subangular; and pebbles, large to very large, subrounded to subangular; trace silt; non plastic; trace cobble, subrounded, small; poorly sorted; moist; dark brown/gray, no odor.	20-8.5 21-1.1
				21-22: Sand, medium to coarse, subrounded to subangular, some pebbles, small to large, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; brown; no odor.	21-0.8 22-0.6
25	30	4		25-26: Sand, fine, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; dark gray/brown; no odor.	25-0.0 26-0.4
				26-28: Sand, fine to medium, subangular; some pebbles, small to medium, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; tan brown; no odor.	27-0.8 28-0.7
				28-29: Sand, medium to coarse, subrounded to subangular; some granules, subrounded to subangular; trace silt; moist, poorly sorted; orange brown; no odor.	29-0.8
30	40	6.5		30-32.25: Sand, coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; some granules, subrounded to subangular; little cobbles, small, subrounded; poorly sorted; moist; brown; no odor.	30-0.8 31-1.4
				32.25-34.5: Sand, medium to coarse, subrounded to subangular, some pebbles, small to large, subrounded to subangular; some granules, subrounded to subangular; trace silt, non plastic; poorly sorted; most; tan brown; no odor.	32-2.1 33-1.9 34-1.8
				34.5-36.5: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; light brown, no odor.	35-2.1 36-0.9
40	45	2		40-42: Sand, fine to medium, subrounded to subangular; little pebbles, small to large, subrounded to subangular; little granules, subrounded to subangular; trace cobbles, small, subrounded to subangular; poorly sorted; moist; gray, no odor.	40-0.0 41-0.0 42-0.0
				36-36.5: Sand, finem, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; some granules, subrounded to subangular; trace cobble, small, subrounded; poorly sorted; moist; no odor; brown.	36.5-0.0
40	50	3		45-46: Sand, coarse, subrounded to subangular; and granules, subrounded to subangular; trace pebbles, small, subrounded to subangular; trace silt; non plastic; poorly sorted, moist; gray/tan; no odor.	45-0.6 46-0.4

Sample Log (Cont.)

Well/Boring ISP MW-01 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				46-48: Sand, medium to coarse, subrounded to subangular; some pebbles, small to medium; subrounded to subangular; trace silt; non plastic; poorly sorted; moist; brown; no odor.	47-0.6 48-0.6

Sample Log

Well/Boring: ISP MW-02 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 7/19/2021 | Drilling Completed: 7/20/2021

Total Depth Drilled: 50 feet | Hole Diameter: 6 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 5 feet / 4 inches | Type of Sampling Device: Core Barrels

Drilling Method: Sonic | Drilling Fluid Used: Water

Drilling Contractor: Aquifer Drilling and Testing | Driller: Tony P. | Helper: Artie L.

Prepared By: Stephen Vlavianos | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger	N/A	0-5: Sand, fine to medium, subrounded to subangular; and pebbles, medium to very large, subrounded to subangular; trace silt, non plastic; trace cobbles, small, subrounded; poorly sorted; moist; orange brown; no odor.	1-0.0 2-0.0 3-0.0 4-0.0 5-0.0
5	10	4.5		5-5.5: Sand, med to coarse, subangular; and pebbles, small to very large, subrounded to subangular; little granules, subrounded to subangular; trace cobble, small, subrounded; trace silt, non plastic; poorly sorted; moist; tan brown; no odor.	5-0.0
				5.5-7.5: Sand, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; trace silt; poorly sorted; moist; orange brown w/black streaks; no odor.	6-0.8 7-2.1
				7.5-9.5: Sand, fine, subrounded; and pebbles, small to medium, subrounded to subangular; little granules, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; white brown; no odor.	8-0.7 9-3.4 9.5-1.1
10	15	3		10-11.5: Sand, medium to coarse, subrounded to subangular; and pebbles, small to large, subrounded to subangular; some granules, subrounded to subangular; trace cobbles, small, subrounded; trace silt, non plastic; poorly sorted; moist; brown; no odor.	10-0.4 11-1.2
				11.5-13: Sand, medium to coarse, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; little granules, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; brown; no odor.	12-1.1 13-0.8
15	20	2.75		15-16: Sand, med to coarse, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; some granules, subrounded to subangular; trace cobbles, small, round to subrounded; poorly sorted; moist; white brown; no odor.	15-0.0 16-0.2
				16-16.75: Sand, fine to medium; subrounded to subangular; little granules, subrounded to subangular; trace silt; non plastic; poorly sorted; moist; dark brown; no odor.	

Sample Log (Cont.)

Well/Boring ISP MW-02 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				16.75-17.75: Sand, fine, subrounded to subangular; trace silt, non plastic; trace cobbles, small, subrounded; moist; poorly sorted; tan brown; no odor.	17-0.7 17.75-0.5
20	25	2.75		20-20.75: Sand, medium to coarse, subrounded to subangular; and pebbles; small to very large, subrounded to subangular; some granules, subrounded to subangular; trace cobbles, small, subrounded; poorly sorted; moist; tan brown; no odor.	20-0.3
				20.75-21: Sand, fine to medium, subrounded to subangular; trace pebbles, small to medium, subrounded to subangular; trace silt; non plastic; poorly sorted; moist; brown; no odor.	21-0.8
				21-22.75: Sand, fine to medium, subrounded to subangular; some pebbles, small to large, subrounded to subangular; little granules, subrounded to subangular; trace cobbles, small, subrounded to subangular; poorly sorted; moist; light brown; no odor.	22-0.7 22.75-0.1
25	30	3		25-26: Sand, coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; and granules, subrounded to subangular; little cobbles, small, subrounded to subangular; poorly sorted; moist; light brown; no odor.	25-0.0 26-0.5
				26-27: Sand, medium to coarse, subrounded to subangular; some pebbles, medium to very large, subrounded to subangular; little cobbles, small, subrounded; trace silt, non plastic; moist; brown; no odor.	27-0.8
				27-28: Sand, medium to fine; subrounded to subangular; little pebbles, small to medium; subrounded to subangular; little granules, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; brown; no odor.	28-0.9
30	35	2.5		30-30.5: Sand, coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular, some granules, subrounded to subangular; trace silt, non plastic; trace cobbles; small, subangular; poorly sorted; moist; white brown; no odor.	30-0.4
				30.5-31.5: Sand, medium to coarse, subrounded to subangular, and granules; subrounded to subangular; trace silt, non plastic; poorly sorted; moist; dark brown/black; no odor.	31-0.5
				31.5-32.5: Sand, fine to medium, subrounded to subangular; some pebbles, medium to large, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; brown; no odor.	32-0.3 32.5-0.4
35	40	2.5		35-36: Sand, coarse, subrounded to subangular; and granules, subrounded to subangular; little pebbles; small to very large, subrounded to subangular; trace cobbles, small, subrounded; poorly sorted; moist; tan/brown; no odor.	35-0.5 36-0.4

Sample Log (Cont.)

Well/Boring ISP MW-02 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				36-37: Sand, medium to fine, subrounded to subangular; little pebbles, medium to large, subrounded to subangular; poorly sorted; moist; orange brown; no odor,	37-0.4
				37-37.5: Sand, fine to medium; subrounded to subangular; and pebbles, small to large, subrounded to subangular; trace cobbles, small, subrounded; trace silt, non plastic; poorly sorted; moist; light brown; no odor.	37.5-0.2
40	45	2		40-41: Sand, coarse, subrounded to subangular; and pebbles, small to large, subrounded to subangular; little granules, subrounded to subangular; trace silt, non plastic; poorly sorted; moist; light brown; no odor.	40-0.0
				41-42: Sand, fine to medium, subrounded to subangular; little pebbles, subrounded to subangular; small to medium, trace silt, non plastic; poorly sorted; moist; brown; no odor.	41-0.0 42-0.0
45	50	1.5		45-45.74: Sand, fine, subrounded to subangular; little pebbles, small, subrounded to subangular; trace silt, non plastic; trace granules, subrounded to subangular; poorly sorted; wet; gray; no odor.	45-0.0
				45.75-46.5: Sand, medium to coarse, subrounded to subangular; some pebbles, small, subrounded to subangular; trace silt, non plastic, poorly sorted; wet; brown; no odor.	46-0.2 46.5-0.4

Sample Log

Well/Boring: ISP MW-03 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 7/16/2021 | Drilling Completed: 7/19/2021

Total Depth Drilled: 46 feet | Hole Diameter: 6 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 5 feet / 4 inches | Type of Sampling Device: Core Barrels

Drilling Method: Sonic | Drilling Fluid Used: Water

Drilling Contractor: Aquifer Drilling and Testing | Driller: Tony P. | Helper: Artie L.

Prepared By: Stephen Vlavianos | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger	N/A	0-5: Sand, medium to coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; little granules, subrounded to subangular; trace cobbles, small, subrounded; trace silt, non plastic; poorly sorted; moist; no odor; light brown	1-0.0 2-0.0 3-0.0 4-0.0 5-0.0
5	10	3		5-7: Sand, medium to coarse, subrounded to subangular; and pebbles, small to large, subrounded to subangular; some granules, subrounded to subangular; little cobbles, small, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; brown.	5-0.0 6-0.2
				7-8: Sand, fine to medium, subrounded to subangular; some pebbles, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown.	7-0.2 8-0.0
10	15	3.5		10-11.5: Sand, medium to coarse subrounded to subangular; some pebbles, small to large, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; orange brown.	10-0.0 11-0.3
				11.5-13: Sand, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; trace granules, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown.	12-0.3 13-0.2
15	20	3.5		15-16: Sand, medium to fine, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; little granules, subrounded to subangular; poorly sorted; moist; no odor; tan brown.	15-0.0 16-0.0
				16-18.5: Sand, fine to medium subrounded to subangular; trace pebbles, small to medium, subrounded to subangular; trace granules, subrounded to subangular; trace cobbles, small, subrounded; poorly sorted; moist; no odor; brown;	17-0.0 18-0.0 18.5-0.0
20	25	3		20-20.5: sand, medium to coarse, subrounded to subangular; some granules, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; brown.	20-0.0
				20.5-22: Sand, fine to medium, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; dark brown.	21-0.0
				22-23: Sand, fine to medium, subrounded to subangular; trace granules, subrounded to subangular; trace cobble, small, subrounded ; poorly sorted; moist; no odor; orange brown.	22-0.1 23-0.1

Sample Log (Cont.)

Well/Boring ISP MW-03 **Project Name and No.** Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
25	30	1.5		25-25.75: Sand, fine to medium, subrounded to subangular; littles pebbles, small to large, subrounded to subangular; trace granules, subrounded to subangular; poorly sorted; moist; no odor; brown.	25-0.0
				25.75-26.5: Sand, medium to coarse, subrounded to subangular; some pebbles, medium to very large, subrounded to subangular; trace cobbles, small, subrounded; poorly sorted; moist; no odor; brown.	26-0.1 26.5-0.2
30	35	2		30-31.5: Sand, medium to coarse, subrounded to subangular; little granules, subrounded to subangular; trace pebbles, small to medium subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; gray/brown.	30-0.2 31-1.2
				31.5-32: Sand, medium to coarse, subrounded to subangular; little pebbles medium to large, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; brown.	32-0.4
35	40	1.5		35-36: Sand, fine to medium, subrounded to subangular; trace pebbles, medium to very large, subrounded to subangular; trace cobble, small, subrounded; poorly sorted; moist; no odor; brown.	35-0.0 36-0.0
				36-36.5: Sand, finem, subrounded to subangular; and pebbles, small to medium, subrounded to subangular; some granules, subrounded to subangular; trace cobble, small, subrounded; poorly sorted; moist; no odor; brown.	36.5-0.0
40	45	No Recovery		No Recovery	

Sample Log

Well/Boring: ISP MW-04 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 7/26/2021 | Drilling Completed: 7/27/2021

Total Depth Drilled: 47.5 feet | Hole Diameter: 6 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 5 feet / 4 inches | Type of Sampling Device: Core Barrels

Drilling Method: Sonic | Drilling Fluid Used: Water

Drilling Contractor: Aquifer Drilling and Testing | Driller: Tony P. | Helper: Artie L.

Prepared By: Stephen Vlavianos | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger	N/A	0-5: Sand, fine to medium, subrounded to subangular; some pebbles, small to very large, subrounded to subangular; little cobbles, small, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; brown.	0-0.0 1-0.0 2-0.0 3-0.0 4-0.0 5-0.0
5	10	4		5-6: Sand, medium to coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; some granules, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; orange brown.	5-0.0
				6-7: Sand, coarse, subrounded to subangular; some granules, subrounded to subangular; trace silt; non-plastic; poorly sorted; moist; no odor; brown.	6-0.0 7-0.5
				7-9: Sand, fine to medium, subrounded to subangular; some granules, subrounded to subangular; trace pebbles, small to medium, subrounded to subangular; trace silt; poorly sorted; moist; no odor; tan brown to white.	8-0.5 9-0.3
10	15	3.5		10-11: Sand, coarse, subrounded to subangular; some pebbles, medium to very large, subrounded to subangular; trace cobbles, small, subrounded to subangular; poorly sorted; moist; no odor; brown.	10-0.2 11-0.3
				11-12: Sand, fine to medium, subrounded to subangular; some pebbles, medium to very large, subrounded to subangular; trace cobble, small, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; tan brown.	12 - 0.2
				12-13.5: Sand, fine, subrounded to subangular; some pebbles, small, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown.	13-0.2 13.5-0.2
15	20	2		15-17: Sand, coarse, subrounded to subangular; and pebbles, small to large, subrounded to subangular; and granules, subrounded to subangular; trace cobbles, small, subrounded; poorly sorted; moist; no odor; orange brown.	15-0.0 16-0.0 17-0.0
20	25	3		20-21.75: Sand, coarse, subrounded to subangular; and granules, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; tan orange.	20-0.4
				21.75-22.25: sand, fine, subrounded to subangular; little pebbles, medium to large, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; orange brown.	21-0.8

Sample Log (Cont.)

Well/Boring ISP MW-04 Project Name and No. Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				22.25-23: Sand, fine to medium, subrounded to subangular; trace pebbles, medium to large, subrounded to subangular; trace cobbles, small, subrounded; poorly sorted; moist; no odor; orange brown.	22-0.9 23-0.9
25	30	4		25-26.5: Sand, medium to coarse, subrounded to subangular; some pebbles, medium to large, subrounded to subangular; some granules, subrounded to subangular; trace silt; non-plastic; poorly sorted; moist; no odor; dark brown.	25-0.2 26-0.4
				26.5-29: Sand, fine to medium, subrounded to subangular; and pebbles, small, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown.	27-0.1 28-0.1 29-0.3
30	35	4		30-31: Sand, medium to coarse, subrounded to subangular; and granules, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown.	30-0.0
				31-33: Sand, medium to coarse, subrounded to subangular; and pebbles, small to medium; subrounded to subangular; poorly sorted; moist; no odor; light brown.	31-0.1 32-0.2
				33-34: sand, fine to medium, subrounded to subangular; some pebbles, medium to large, subrounded to subangular; trace cobbles, small, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; orange brown.	33-0.0 34-0.0
35	40	4		35-36 Sand, coarse, subrounded to subangular; and granules, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; trace cobbles, small, subrounded to subangular; poorly sorted; moist; no odor; light brown.	35-0.0
				36-38: Sand, medium to coarse, subrounded to subangular; trace pebbles, small, subrounded to subangular; poorly sorted; moist; no odor; brown	36-0.1 37-0.2
				38-39: Sand, fine, subrounded to subangular; some granules, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; light brown.	38-0.2 39-0.1
40	45	4		40-41: Sand, coarse, subrounded to subangular; and granules, subrounded to subangular; some pebbles, small to large, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown.	40-0.0 41-0.0
				41-44: Sand, fine to medium, subrounded to subangular; some pebbles, large to very large; trace cobbles, small, subrounded; trace silt, non-plastic; trace granules, subrounded to subangular; poorly sorted; moist; no odor; light brown.	42-0.0 43-0.0 44-0.0
45	50	2.5		45-45.75: Sand, coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown.	45-0.0
				45.75-47.5: Sand, medium to coarse, subrounded to subangular; and granules, subrounded to subangular; some pebbles, small to large, subrounded to subangular; trace cobbles, small, subrounded; poorly sorted; wet; no odor; brown.	46-0.0 47-0.0 47.5-0.0

Sample Log

Well/Boring: ISP MW-05 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 7/15/2021 | Drilling Completed: 7/16/2021

Total Depth Drilled: 50 feet | Hole Diameter: 6 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 5 feet / 4 inches | Type of Sampling Device: Core Barrels

Drilling Method: Sonic | Drilling Fluid Used: Water

Drilling Contractor: Aquifer Drilling and Testing | Driller: Tony Palomeque | Helper: Artie LaRocca

Prepared By: Stephen Vlavianos | Hammer Weight: N/A | Hammer Drop: N/A inches

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger	N/A	0-4: Sand, medium to fine, subrounded to angular; Some granules, subangular to angular; trace cobble, small subrounded; little silt, non-plastic; no odor; poorly sorted; brown; moist.	1- 0.0 2- 0.0 3- 0.0 4- 0.0
				4-5: Sand, medium to coarse, subroumded to subangular; trace pebbles, small to medium, subrounded to subangular; trace silt, non-plastic; poorly sorted, light brown; moist; no odor.	
5	10	3.5	N/A	5-5.75: Sand, medium to coarse, subrounded to subangular; some pebbles, medium to large, subrounded; poorly sorted; moist; no odor; brown.	5- 0.0 5- 0.4
				5.75-7.75: Sand, fine to medium, subrounded to subangular; little silt, non-plastic; trace clay, low dilatency, non-plastic; poorly sorted; odor present; moist; black; poorly sorted.	6- 1.2 7- 0.8
				7.75-8.5: Sand, fine to medium; subrounded to subangular; trace pebbles, small, subrounded; trace silt, non-plastic; poorly sorted; no odor; moist; dark brown.	8- 0.4 8.5 - 0.2
10	15	2.5	N/A	10-11: Sand, medium to coarse,subrounded to subangular; little pebbles, small to large, subrounded to subangular; trace cobbles, small, subrounded; trace silt; non-plastic; poorly sorted; moist; no odor; brown.	10- 1.6 11- 0.0
				11-12.5: Sand, medium to fine, subrounded to subangular; trace pebbles; small to medium; trace silt, non-plastic; poorly sorted; moist; brwn; no odor.	12- 15.4 12.5- 3.6
15	20	2.5	N/A	15-16.5: Sand, medium to coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; little granules; subrounded to subangular; trace cobbles, small, subrounded; trace silt, non-plastic; poorly sorted; moist; light brown; no odor.	15- 0.0 16- 0.0
				16.5-17.5: Sand, medium to coarse, subrounded to subangular, some pebbles, medium to large, subrounded to subangular; trace silt, non-platic; poorly sorted; moist; no odor; brown.	17- 0.0 17.5- 0.0

Sample Log (Cont.)

Well/Boring ISP MW-05 Project Name and No. Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
20	25	2.5		20-21.5: Sand, medium to coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; little granules, subroundded to subangular; trace cobbles, small, subrounded to subangular; poorly sorted; moist; no odor; brown.	20- 0.0 21- 0.0
				21.5-22.5: Sand, fine to medium, subrounded to subangular; little pebbles, medium to large, subrounded to subangular; trace silt, non-plastic; poorly sorted; no odor; light brown; moist	22-0.0 22.5-0.0
25	30	2.5		25-27': Sand, medium to coarse, subrounded to subangular; trace pebbles, small to medium; poorly sorted; moist; light brown; no odor.	25- 2.1 26- 0.8
				27-27.5: Sand, fine subrounded to subangular; little pebbles, medium to large, subrounded to subangular; little pebbles, medium to large, subrounded to subangular; trace granules, subrounded to subangular; poorly sorted; moist; dark gray brown; no odor.	27- 0.0 27.5- 0.0
30	35	3		30-31.5: Sand, medium to coarse, subrounded to subangular, some pebbles, small to medium, subangular to subrounded; trace silt, non-plastic; poorly sorted; moist; brown; no odor.	30- 0.0 31- 0.0
				31.5-32.25: Sand, fine to medium, subrounded to subangular, some pebbles, medium to large, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; brown.	32-0.8
				32.25-33: Sand, fine to medium, subrounded to subangular, some pebbles, medium to large, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; odor present; black brown.	33- 6.8
35	40	2.25		35-36: Sand, fine, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; little granules, subrounded to subangular, trace cobble, small, subrounded; poorly sorted; moist; light brown; no odor.	35-0.0 36-0.0
				36-37.25: Sand, fine to medium, subrounded to subangular some pebbles, medium to large, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; brown; no odor.	37-0.0
40	45	No Recovery			
45	50	No Recovery			

Sample Log

Well/Boring	ISP MW 9-1	Project Name and No.	Town of Islip, Long Island MacArthur Airport; 30017855
Site Location	Ronkonkoma, New York	Drilling Started	7/22/2021
Drilling Completed	7/22/2021		
Total Depth Drilled	60 feet	Hole Diameter	6 inches
Sampling Interval	Continuous feet		
Length and Diameter of Sampling Device	5 feet / 4 inches	Type of Sampling Device	Core Barrels
Drilling Method	Sonic	Drilling Fluid Used	Water
Drilling Contractor	Aquifer Drilling and Testing	Driller	Tony P.
Helper	Artie L.		
Prepared By	Stephen Vlavianos	Hammer Weight	N/A
Hammer Drop	N/A inches		

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger	N/A	0-5: Sand, fine to medium, subrounded to subangular; little pebbles, medium to large, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; dark brown. (chunks of asphalt at 10-12")	1- 0.0 2- 0.0 3- 0.0 4- 0.0 5- 0.0
5	10	3		5-5.5: Sand, medium to coarse, subrounded to subangular; little pebbles, small to medium, subrounded to subangular; trace granules, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; dark orange brown.	5- 15000
				5.5-8: Sand, fine to medium, subroumded tp subangular; some pebbles, medium to very large, subround to subangular; little cobbles, small, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; tan brown.	6- 56.1 7-41.8 8- 14.8
10	15	1.5		10-10.75: Sand, medium to coarse, subround to subngular' trace silt, non-plastic; moist; poorly sorted; moist; no odor; orange brown.	10- 15.8
				10.75-11.25: Sand, medium to coarse, subrounded to subangular; trace pebbles, small to medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; odor present; dark brown. (lense of asphalt from 10.75-11')	11- 13.2 11.25- 9.8
15	20	3		15-15.5: Sand, medium, subrounded to subangular; trace pebbles, small to medium, subrounded to subangular; poorly sorted; moist; no odor; orange.	15- 3.8
				15.5-17.5: Sand, fine to medium, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; some granules, subrounded to subangular; trace cobbles, small, subrounded; trace silt, non-plastic; poorly sorted; moist; no odor; tan brown.	16- 4.5 17- 4.6
				17.5-18: Sand, fine, subrounded to subangular; some pebbles, medium, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; brown.	18- 3.9
20	30	5		20-22.5: Sand, coarse, subrounded to subangular; and pebbles, small to very large, subrounded to subangular; some granules, subrounded to subangular; little cobbles, small, subrounded; poorly sorted; moist; no odor; tan brown.	20- 1.2 21- 1.8 22- 2.1

Sample Log (Cont.)

Well/Boring ISP MW 9-1 Project Name and No. Town of Islip, Long Island MacArthur Airport; 30017855

Prepared By Stephen Vlavianos

Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
				22.5-25: Sand, coarse, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; trace cobbles, small, subrounded; poorly sorted; moist; no odor; tan brown	23- 2.0 24- 1.2 25- 1.1
30	40	6		30-31: sand, medium to coarse, subrounded to subangular; and granules, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; tan brown.	30- 0.0
				31-33.5: Sand, medium to coarse, subrounded to subangular; little granules, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; tan brown.	31- 0.0 32- 0.0 33- 0.0
				33.5-36: Sand, medium to coarse, subrounded to subangular; trace pebbles, small to medium; subrounded to subangular; trace silt; non-plastic; poorly sorted; moist; no odor; tan brown	34- 0.0 35- 0.0 36- 0.0
40	50	4		40-41: Sand, fine to medium, subrounded to subangular; some pebbles, medium to very large, subrounded to subangular; trace silt, non-plastic; trace cobbles, small subrounded; poorly sorted; moist; no odor; brown.	40- 0.8
				41-41.75: Sand, fine, subrounded to subangular; little silt, non-plastic; trace pebbles, small and medium, subrounded to subangular; poorly sorted; moist; no odor; Dark gray.	41- 1.2
				41.75-44: Sand, fine, subrounded to subangular; little pebbles, small, subrounded to subangular; trace silt, non-plastic; poorly sorted; moist; no odor; tan brown	42- 1.1 43- 0.7 44-0.4
50	60	No Recovery			

Sample Log

Well/Boring: ISP SED 1-1 | Project Name and No.: Town of Islip, Long Island MacArthur Airport; 30017855

Site Location: Ronkonkoma, New York | Drilling Started: 2/25/2021 | Drilling Completed: 2/25/2021

Total Depth Drilled: 2 feet | Hole Diameter: 3.25 inches | Sampling Interval: Continuous feet

Length and Diameter of Sampling Device: 6 inches / 3.25 inches | Type of Sampling Device: Hand Auger

Drilling Method: N/A | Drilling Fluid Used: None

Drilling Contractor: N/A | Driller: N/A | Helper: N/A

Prepared By: Agnes Link-Harrington | Hammer Weight: N/A | Hammer Drop: N/A inches

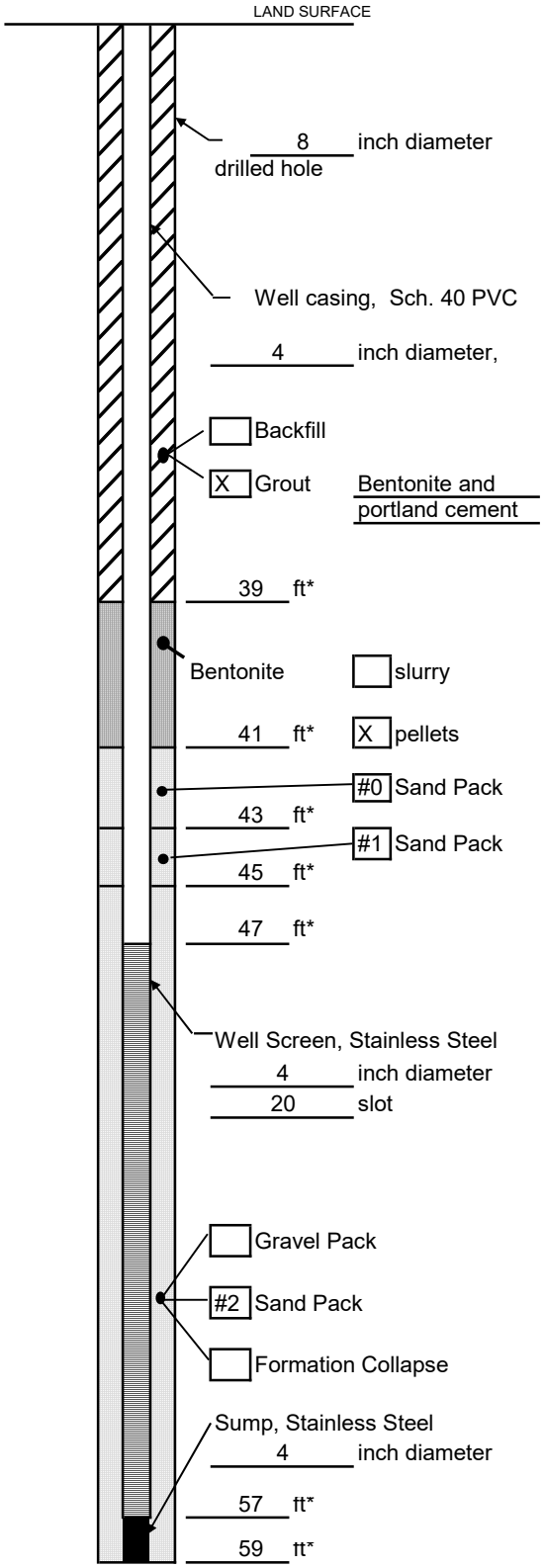
Sample Depth (feet below land surface, (ft bls)) From	To	Sample Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample Description	PID (ft bls - ppm)
0	5	Hand Auger		0-0.5: Sand, fine to very fine, rounded to subrounded; some silt, low plasticity; little pebbles, small, subrounded to subangular; poorly sorted; moist; dark drown; no odor.	See Description
				0.5-1: Sand, fine to medium, subrounded to subangular; some pebbles, small to medium, subrounded to subangular; poorly sorted; moist; light brown; no odor.	
				1-2: Sand, fine to medium, rounded to subrounded; some pebbles, small to medium, subrounded to subangular; trace silt; poorly sorted; moist; light brown; no odor.	
				PID Readings: 0-0.5ft: 0.0ppm 0.5-1ft: 0.0ppm 1-1.5ft: 0.0ppm	

Appendix C

Well Construction and Development Forms

Well Construction Log

(Unconsolidated)



Measuring Point is Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project: Long Island MacArthur Airport Well: ISP MW 3-1

Town/City: Ronkonkoma

County: Suffolk State: New York

Permit No.: NA

Land-Surface (LS) Elevation and Datum:

91.97 feet msl [X] Surveyed [ ] Estimated

Installation Date(s): 3/16/2021

Drilling Method: Sonic

Drilling Contractor: Aquifer Drilling and Testing

Drilling Fluid: Water

Development Technique(s) and Date(s)

Submersible pump with surge block

Fluid Loss During Drilling: 2,500 gallons

Water Removed During Development: 440 gallons

Static Depth to Water: 48.90 feet below M.P.

Pumping Depth to Water: 49.20 feet below M.P.

Pumping Duration: 3 hours

Yield: 4 gpm Date: 3/19/2021

Specific Capacity: 13.3 gpm/ft

Well Purpose: Monitoring Well

Remarks: Well is finished flash mount to land surface.

Prepared by: Agnes Link-Harrington

ARCADIS Design & Consultancy for natural and built assets

WELL DEVELOPMENT LOG

Site/Well No. Long Island MacArthur Airport ISP MW 3-1 Development Personnel: Agnes Link-Harrington

Project Long Island MacArthur Airport Project No. 30017855.A0C03 Page 1 of 1

Site Location Ronkonkoma, New York Date 3/19/2021

Weather 34°F, partly cloudy Development Time Begin 08:48 End 3/19/2021

Evacuation Data

Measuring Point	Top of casing (TOC)
MP Elevation (ft)	n/a
Land Surface Elevation (ft)	~90ft
Sounded Well Depth (ft bmp)	58.80
Depth to Water (ft bmp)	48.90
Water-Level Elevation (ft)	n/a
Water Column in Well (ft)	10.1
Casing Diameter/Type	schedule 40PVC, 4"
Gallons in Well	6.565

Sample Pump Intake Setting (ft bmp)	Rediflo, move to middle start @ bottom &
Pumping Rate (gpm)	2.5 - 4gpm
Evacuation Method	submersible pump

Field Parameters

Color	light brown to clear
Odor	NONE
Appearance	cloudy to clear/murky

Time	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
09:08		5.65	0.476	[illegible]	8.05	brown, no odor 2.5gpm
09:20		6.73	0.268	6.33	10.46	DTW 49.15, 2.5gpm
09:26	50	7.18	0.219	14.9	10.07	clear, no odor, 3gpm, DTW 49.15
09:53	~70	7.26	0.204	534	10.33	3gpm DTW 49.15
10:00		7.33				
10:04		7.34	0.184	1.3	10.87	@ 10:05 pull pump to midscreen, 3.5gpm
10:13	~120	7.30	0.174	8.8	11.18	DTW 49.2
10:20		7.28	0.175	2.0	10.17	3.8gpm
10:25	165	7.14	0.169	0.0	11.54	DTW 49.2
10:30		7.00	0.159	10.6	12.07	* pull pump up 1ft
10:35		7.01	0.161	0.0	11.84	
10:40	220	7.00	0.158	0.0	11.35	4gpm, DTW 49.2
10:47		7.03	0.160	0.0	10.75	
10:54		7.00	0.156	0.0	10.56	10:55, stop pump for 3rd surge
11:17		6.98	0.174	742	10.25	set bottom of screen, DTW 49.2
11:25		6.91	0.159	5.7	10.90	water clear, DTW 49.2, 4gpm
11:30	330	6.83	0.152	0.1	11.49	
11:35		6.78	0.156	0.0	11.45	DTW 49.2, pull pump up 2 feet
11:42		6.80				DTW 49.23
11:45	385	6.77	0.145	0.4	11.61	11:50 pull pump up 2 feet
11:51		6.74	0.147	3.4	11.47	DTW 49.23
11:56		6.77	0.147	0.0	11.89	
12:00	440	6.75	0.135	0.0	12.46	4gpm

Notes: first surge @ 8:45, stop pump @ 9:30 to start 2nd surge, pump back on 09:50, 10:55 pump off to surge, 11:15 pump back on, pump off 12:00 → all drums at A0C03 full

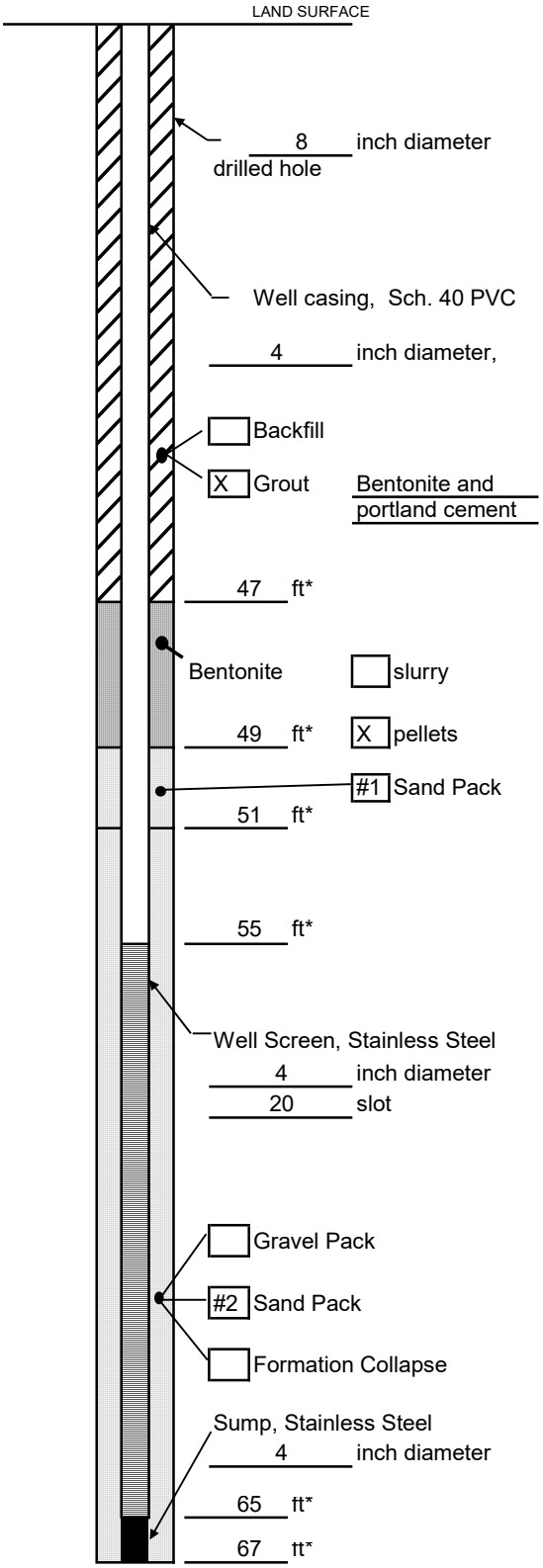
Well Casing Volumes (gallon/feet)

1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

elow measuring point	ml milliliter	NTU	Nephelometric Turbidity Units
rees Celsius	mS/cm Millisiemens per centimeter	PVC	Polyvinyl chloride
	msl mean sea-level	s.u.	Standard units
per minute	N/A Not Applicable	umhos/cm	Micromhos per centimeter
per liter	NM Not Measured	VOC	Volatile Organic Compounds

Well Construction Log

(Unconsolidated)



Measuring Point is Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project: Long Island MacArthur Airport Well: ISP MW 4-1

Town/City: Ronkonkoma

County: Suffolk State: New York

Permit No.: NA

Land-Surface (LS) Elevation and Datum:

100.24 feet msl [X] Surveyed [ ] Estimated

Installation Date(s): 3/16/2021

Drilling Method: Sonic

Drilling Contractor: Aquifer Drilling and Testing

Drilling Fluid: Water

Development Technique(s) and Date(s)

Submersible pump with surge block

Fluid Loss During Drilling: 1,500 gallons

Water Removed During Development: 467.5 gallons

Static Depth to Water: 56.30 feet below M.P.

Pumping Depth to Water: 56.50 feet below M.P.

Pumping Duration: 6 hours

Yield: 2.5-4.6 gpm Date: 3/17-3/18/2021

Specific Capacity: 15 gpm/ft

Well Purpose: Monitoring Well

Remarks: Well is finished flash mount to land surface.

Prepared by: Agnes Link-Harrington

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Well Development Log

Long Island MacArthur Airport

Project/No.: 30017855.A0C04 Well: ISP MW 4-1 Date: 3/17/2021 & 3/18/2021

Developed By: Agnes Link-Harrington w/ADT Casing Material: Schedule 40 PVC

Static Water-Level: 3/17/21 56.30 ft bmp Measuring Point: TOC Casing Diameter: 4"

Before 3/18/21 56.30 ft bmp

Total Depth: 66.70 ft bmp Pump On: 3/17/21 08:55 / 3/18/21 08:55 Total Gallons Removed: 467.5

Before

Purge Pump: Typhoon / RediFlo2 Pump Off: 3/17/21 @ 12:35 / 3/18/21 @ 12:12

Time	Rate (gpm)	Depth to Water	Gallons Purged	Turbidity (NTU's)	Spec. Cond (umhos)	pH (SI Units)	Temp (C)	Comments
09:05	0.5	56.3	~5	over range	0.281	7.16	8.61	
09:30	0.5	56.3		" "	0.290	7.79	7.80	
09:51	0.5	56.3		551	0.196	6.18	8.00	
10:17	0.5	56.3		432	0.292	6.86	8.55	
10:29	~0.5	56.3	55	140	0.263	6.78	12.02	
10:53	~0.5	56.3		43.9	0.271	6.59	11.96	
11:05	~0.5	56.3	~75	20.4	0.263	6.61	12.91	
11:23	~0.5	56.3		1.1	0.250	6.71	13.17	pause in pumping, start again at 11:28
11:50	0.5	56.3	~110	0.0	0.261	6.68	13.67	two drums full
12:04	" "	56.3		0.0	0.257	6.68	13.62	
12:14	" "	" "		0.0	0.256	6.74	13.64	
12:20	" "	" "	~123	0.0	0.258	6.70	13.87	
12:33	" "	" "	~129	0.0	0.257	6.75	13.71	2 1/3 drums of water
3/18 09:13	2.5	56.4	[illegible]	90.7	0.418	5.73	13.68	after surging w/ surge block
3/18 09:26	2.5	56.4		178	0.286	6.44	13.57	- after recent surge w/pump
09:29	2.5			82.8	0.292	6.43	14.05	09:30 - pause purge to surge w/ surge block
09:30	2.5	56.45		467	0.291	6.51	13.51	09:45 - pump back on after surge
10:02	3			259	0.290	6.46	13.83	
10:14	3	56.5	[illegible]	1.8	0.295	6.52	13.55	
10:19	3.5	56.46	[illegible]	0.0	0.299	6.39	13.71	
10:26	3.5			0.0	0.293	6.40	14.02	pump off ~10:27 for surging w/ surge block
11:05	3.8			14.9	0.300	6.57	13.48	pump on 10:52 after surging
3/18 11:15	4.0	56.51	3025	14.2	0.295	6.51	13.67	11:09, pull pump to mid screen

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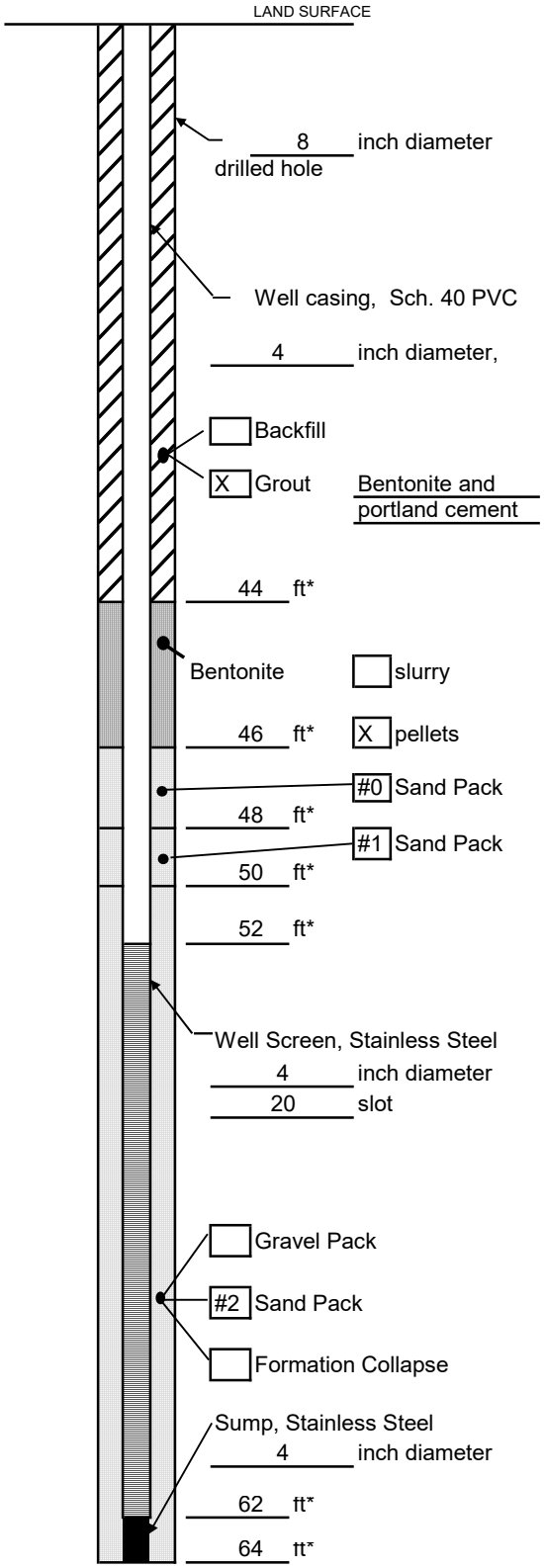
Well Development Log continued

Project/No.: Long Island MacArthur Airport 30017855.A0C04 Well: ISP MW 4-1 Date: 3/18/2021 Page 2

Time	Rate (gpm)	Depth to Water	Gallons Purged	Turbidity (NTU's)	Spec. Cond (umhos)	pH (SI Units)	Temp (C)	Comments
11:27	4	56.5		0.3	0.293	6.58	13.39	11:22 pull up pump one more foot
11:40	4.5	56.52		0.0	0.287	6.39	13.61	
11:50	4.5			0.0	0.286	6.30	13.71	
11:55	4.6	56.52		0.0	0.288	6.36	13.86	
12:03	4.6			0.0	0.282	6.37	13.83	
12:08	4.6			0.2	0.289	6.39	13.82	
12:11	4.6		467.5	0.0	0.282	6.35	13.99	stop pumping @ 12:12

Well Construction Log

(Unconsolidated)



Measuring Point is Top of Well Casing Unless Otherwise Noted.

* Depth Below Land Surface

Project: Long Island MacArthur Airport Well: ISP MW 9-1

Town/City: Ronkonkoma

County: Suffolk State: New York

Permit No.: NA

Land-Surface (LS) Elevation and Datum:

92.67 feet msl [X] Surveyed [ ] Estimated

Installation Date(s): 7/22/2021

Drilling Method: Sonic

Drilling Contractor: Aquifer Drilling and Testing

Drilling Fluid: Water

Development Technique(s) and Date(s)

Submersible pump with surge block

Fluid Loss During Drilling: 3,000 gallons

Water Removed During Development: 365 gallons

Static Depth to Water: 51.80 feet below M.P.

Pumping Depth to Water: unable to measure pumping depth due to pump diameter feet below M.P.

Pumping Duration: 2.5 hours

Yield: 6.5 gpm Date: 7/30/2021

Specific Capacity: not recorded gpm/ft

Well Purpose: Monitoring Well

Remarks: Well is finished flash mount to land surface.

Prepared by: Stephen Vlavianos

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WELL DEVELOPMENT LOG

Site/Well No. ISP MW 9-1 Development Personnel SV ALH

Project Long Island MacArthur Airport Project No. 30017855 Page 1 of 1

Site Location Islip Date ~~7/29/21~~ 7/29/21

Weather 85° Clear Development Time Begin ~~[illegible]~~ 07:49 End 10:23

Evacuation Data

1.8 GPM

Measuring Point	TOC	Sample Pump Intake Setting (ft bmp)	see remarks for pump setting
MP Elevation (ft)	n/a	Pumping Rate (gpm)	~ 6.5 gpm
Land Surface Elevation (ft)	92.67 ft msl	Evacuation Method	submersible pump
Sounded Well Depth (ft bmp)	64.42		
Depth to Water (ft bmp)	51.80		
Water-Level Elevation (ft)	n/a	**Field Parameters**	
Water Column in Well (ft)	12.69	Color	Clear
Casing Diameter/Type	4" schedule 40 PVC	Odor	None
Gallons in Well	8.25	Appearance	clear

Time	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	
0752	20	7.18	0.431	676	1712	Surged Prior To Start (6" Bellow screen)
0757	53	6.52	0.421	91.4	1702	
802	83	6.35	0.421	4.35	1707	~~End of Sur~~ Begin to surge next portion (2' above bottom of screen)
809	83	5.90	0.523	163	1755	
814	103	5.45	0.012	6.17	19.98	
819	143	5.44	0.012	4.16	19.96	Stop Pump, Surge next portion (2' above last)
835	144	5.54	0.375	22.7	17.46	
841	175	5.40	0.359	1.86	17.19	
846	205	5.24	0.360	1.67	17.13	Surged for 5 min prior to pumping
909	210	5.79	0.320	89.1	16.96	
914	240	4.97	0.340	8.41	17.24	Pump stopped and Surge before next settling
923	242	3.55	0.387	23.1	17.15	
928	273	4.88	0.353	4.42	17.22	
956	275	6.52	0.344	41.7	17.35	Surged for 5 min Prior
1000	2302	6.41	0.325	26.1	17.00	
1003	320	6.30	0.338	7.30	17.11	
1017	325	6.44	0.354	63.5	17.17	Surged for 5 min Prior
1019	340	6.45	0.337	24.0	16.97	
1022	365	6.41	0.338	8.65	16.97	

805 / 51.81

8:32 / 51.84

8:46 / 51.79

Notes: 2.7 ppm well screened (7/28), 5.00 ppm well head (7/29), 20 gallons purged w/ smaller diameter pump on 7/28, 7/29 switched to a 3" diameter Grundfos pump (too wide for pumping depth to water)

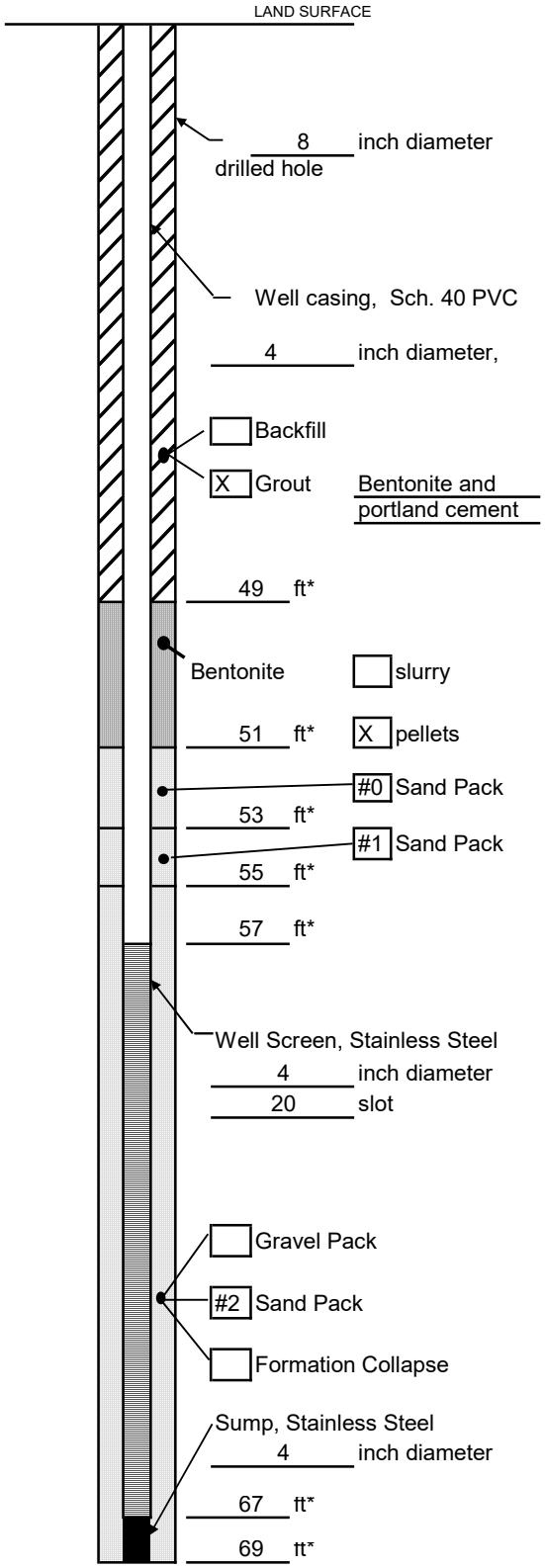
Well Casing Volumes (gallon/feet)

1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Millisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Milligrams per liter	NM	Not Measured	VOC	Volatile Organic Compounds

Well Construction Log

(Unconsolidated)



Measuring Point is Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project: Long Island MacArthur Airport Well: ISP MW-01

Town/City: Ronkonkoma

County: Suffolk State: New York

Permit No.: NA

Land-Surface (LS) Elevation and Datum:

104.54 feet msl [X] Surveyed [ ] Estimated

Installation Date(s): 7/23/2021

Drilling Method: Sonic

Drilling Contractor: Aquifer Drilling and Testing

Drilling Fluid: Water

Development Technique(s) and Date(s)

Submersible pump with surge block

Fluid Loss During Drilling: 2,000 gallons

Water Removed During Development: 375 gallons

Static Depth to Water: 58.54 feet below M.P.

Pumping Depth to Water: unable to measure pumping depth due to pump diameter feet below M.P.

Pumping Duration: 2 hours

Yield: 4 gpm Date: 7/29/2021

Specific Capacity: not measured gpm/ft

Well Purpose: Monitoring Well

Remarks: Well is finished flash mount to land surface.

Prepared by: Stephen Vlavianos

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WELL DEVELOPMENT LOG

Site/Well No. ISP MW-01 Development Personnel: SV

Project Islip Airport Project No. 30017855 Page 1 of 2

Site Location ISLIP (Ronkonkoma, New York) Date 7/19/21

Weather 80° Sunny Development Time Begin 11:30 End 13:01

Evacuation Data

Measuring Point	TOC	Sample Pump Intake Setting (ft bmp)	begin at bottom of screen and move up
MP Elevation (ft)	n/a	Pumping Rate (gpm)	~4 gpm
Land Surface Elevation (ft)	104.54 ft msl	Evacuation Method	submersible pump
Sounded Well Depth (ft bmp)	65.85		
Depth to Water (ft bmp)	58.54		
Water-Level Elevation (ft)	n/a	**Field Parameters**	
Water Column in Well (ft)	11.31	Color	Clear
Casing Diameter/Type	4" Schedule 40 PVC	Odor	None
Gallons in Well	7.35	Appearance	clear

Time	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
1140	0	6.57	0.627	1000/444	16.63	Surged Prior for 7 min
1142	~~1313.38~~	5.94	0.690	390	15.27	
1144	~~3026~~	4.01	0.670	23.2	15.33	
1146	~~6039~~	4.11	0.670	16.9	15.74	
1150	~~12000~~	4.17	0.643	7.8	15.72	
1154	93	4.61	0.673	4.44	15.55	
1156	106.6	4.35	0.685	6.30	15.40	
1200	133.2	4.27	0.687	4.28	15.41	
1217	135.2	6.08	0.696	417	15.77	Surged for 7 min Prior
1215	158.2	6.00	0.691	50.5	15.32	
1217	176.2	6.17	0.675	9.7	15.37	
1219	183.1	6.01	0.685	3.93	15.40	
1221	205	65.92	0.681	3.14	15.39	
1223	218	5.94	0.674	7.69	15.42	
1225	225	5.98	0.675	6.18	15.28	
1227	238	6.02	0.688	2.27	15.35	
1232	271	6.01	0.712	3.63	15.73	Surged for 7 min Prior
1241	271	6.15	0.840	80.8	15.93	
1243	285	6.25	0.718	32.7	15.31	
1245	298	6.26	0.715	5.48	15.71	
1247	311	6.35	0.688	3.30	15.37	
1251	339	6.01	0.682	2.91	15.35	
1255	357.6	6.09	0.695	1.67	15.52	

Notes: unable to measure pumping depth to water due to large diameter (8") of submersible grundfos pump used during development.

Well Casing Volumes (gallon/feet)

1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Millisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Milligrams per liter	NM	Not Measured	VOC	Volatile Organic Compounds

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WELL DEVELOPMENT LOG (Cont.)

Site/Well No. TSP MW-1 Development Personnel: Stephen Mavranos (SV)

Project Long Island MacArthur Airport Project No. 30017855 Page 2 of 2

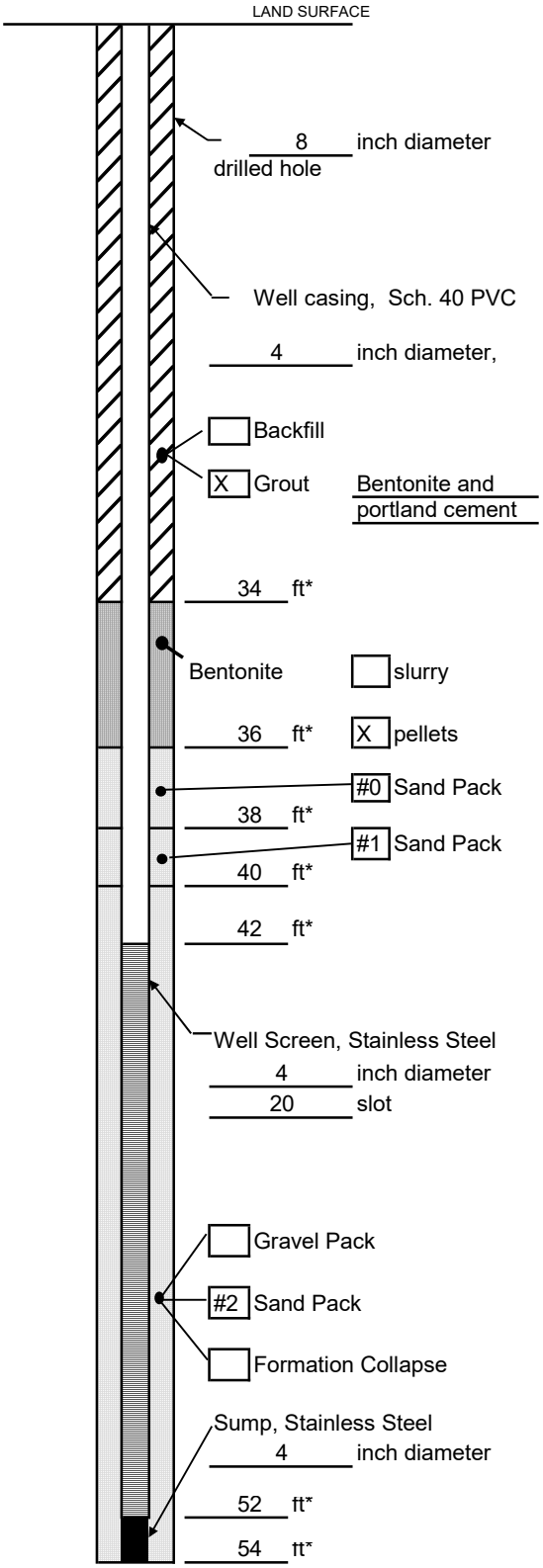
Site Location Ronkonkoma, New York Date 07/29/2021

Weather 80°F / Sunny Development Time Begin 11:36 End 13:01

Time	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
12:58	377.6	6.11	0.698	1.74	15.55	
1306		6.09	0.697	1.51	15.45	

Well Construction Log

(Unconsolidated)



Measuring Point is Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project: Long Island MacArthur Airport Well: ISP MW-02

Town/City: Ronkonkoma

County: Suffolk State: New York

Permit No.: NA

Land-Surface (LS) Elevation and Datum:

81.80 feet msl [X] Surveyed [ ] Estimated

Installation Date(s): 7/21/2021

Drilling Method: Sonic

Drilling Contractor: Aquifer Drilling and Testing

Drilling Fluid: Water

Development Technique(s) and Date(s)

Submersible pump with surge block

Fluid Loss During Drilling: 4,500 gallons

Water Removed During Development: 460 gallons

Static Depth to Water: 45.02 feet below M.P.

Pumping Depth to Water: unable to measure pumping depth due to pump diameter feet below M.P.

Pumping Duration: 1.5 hours

Yield: 10 gpm Date: 8/2/2021

Specific Capacity: not measured gpm/ft

Well Purpose: Monitoring Well

Remarks: Well is finished flash mount to land surface.

Prepared by: Stephen Vlavianos

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WELL DEVELOPMENT LOG

Site/Well No. ISP MW-02 Development Personnel: SV

Project ISP Airport Project No. 30087855 Page 1 of 1

Site Location Islip (Ronkonkoma, New York) Date 8/2/21

Weather 75° Sunny Development Time Begin 10:03 End 11:12

Evacuation Data

Measuring Point	TOC	Sample Pump Intake Setting (ft bmp)	see remarks for pump setting
MP Elevation (ft)	n/a	Pumping Rate (gpm)	10 gpm
Land Surface Elevation (ft)	81.80 ft msl	Evacuation Method	submersible pump
depth to water ~~Static Water Depth~~ (ft bmp)	45.02		
sounded well depth ~~Depth to Water~~ (ft bmp)	54.24		
Water-Level Elevation (ft)	n/a	**Field Parameters**	
Water Column in Well (ft)	9.22	Color	Clear
Casing Diameter/Type	4" schedule 40 PVC	Odor	None
Gallons in Well	5.99	Appearance	clear

Time	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
1010	0	11.77	0.500	168	15.69	Surged for 6.5min prior
1012	20	10.97	0.244	3.04	14.98	at 6" bellow screen
1014	40	09.69	0.202	12.7	14.84	
1016	60	09.63	0.202	11.9	14.73	
1018	80	07.70	0.200	9.9	14.68	
1020	100	7.27	0.195	8.07	14.73	
1022	120	6.82	0.187	5.54	14.88	
1026	160	6.48	0.182	2.97	14.87	
1034	160	9.53	0.359	57	16.53	Surged for 6.5min prior
1036	180	8.20	0.196	9.22	14.84	at 3' from bottom of screen
1038	200	8.60	0.184	4.28	14.65	
1040	220	6.33	0.182	1.8	14.58	
1046	280	6.31	0.178	2.32	14.72	
1049	310	6.35	0.180	2.37	14.72	
1056	310	7.01	0.216	18.5	15.68	Surged for 6.5min prior
1058	330	6.71	0.186	4.17	14.72	at 5' from bottom of screen
1100	350	6.78	0.176	2.11	14.63	
1102	370	6.72	0.171	1.88	14.85	
1104	410	6.74	0.209	1.90	14.84	
1106	440	6.73	0.208	2.11	14.83	
1111	460	6.73	0.210	2.71	14.88	

Notes: Unable to record pumping depth to water due to diameter of pump used for well development

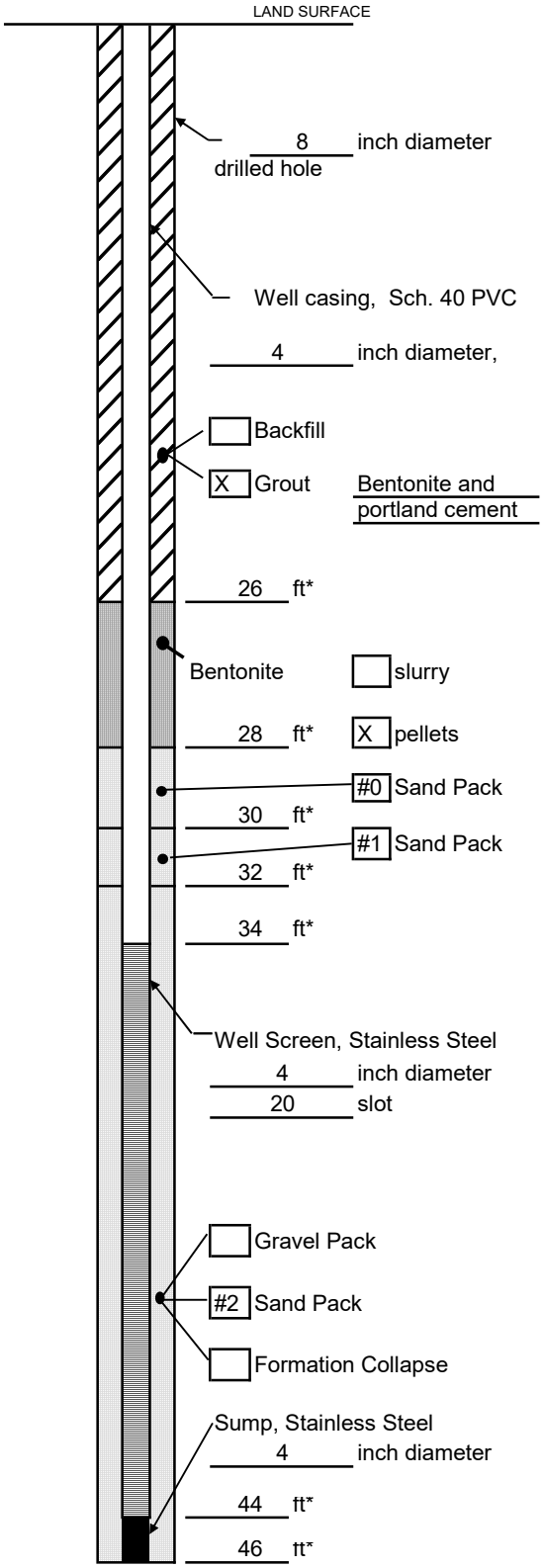
Well Casing Volumes (gallon/feet)

1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Millisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Milligrams per liter	NM	Not Measured	VOC	Volatile Organic Compounds

Well Construction Log

(Unconsolidated)



Measuring Point is Top of Well Casing Unless Otherwise Noted.

* Depth Below Land Surface

Project: Long Island MacArthur Airport Well: ISP MW-03

Town/City: Ronkonkoma

County: Suffolk State: New York

Permit No.: NA

Land-Surface (LS) Elevation and Datum:

73.79 feet msl [X] Surveyed [ ] Estimated

Installation Date(s): 7/19/2021

Drilling Method: Sonic

Drilling Contractor: Aquifer Drilling and Testing

Drilling Fluid: Water

Development Technique(s) and Date(s)

Submersible pump with surge block

Fluid Loss During Drilling: 3,000 gallons

Water Removed During Development: 500 gallons

Static Depth to Water: 35.44 feet below M.P.

Pumping Depth to Water: unable to measure pumping depth due to pump diameter feet below M.P.

Pumping Duration: 1.1 hours

Yield: 10 gpm Date: 8/2/2021

Specific Capacity: not measured gpm/ft

Well Purpose: Monitoring Well

Remarks: Well is finished flash mount to land surface.

Prepared by: Stephen Vlavianos

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WELL DEVELOPMENT LOG

Site/Well No. ISP MW 03 Development Personnel: SV

Project ISP Airport Project No. 30017855 Page 1 of 1

Site Location Islip (Ronkonkoma, New York) Date 8/2/21

Weather 75° Sunny Development Time Begin 7:37 End 08:51

Evacuation Data

Measuring Point	Top of Casing	Sample Pump Intake Setting (ft bmp)	see remarks for pump setting
MP Elevation (ft)	n/a	Pumping Rate (gpm)	~~[illegible]~~ gpm 10 (10 gpm)
Land Surface Elevation (ft)	73.79 ft msl	Evacuation Method	submersible pump
Sounded Well Depth (ft bmp)	~~[illegible]~~ 44.91		
Depth to Water (ft bmp)	35.44		
Water-Level Elevation (ft)	n/a	**Field Parameters**	
Water Column in Well (ft)	9.47	Color	Clear
Casing Diameter/Type	4" schedule 40 PVC	Odor	None
Gallons in Well	6.15	Appearance	Clear

Time	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
0740	0	9.11	0.931	Over	16.71	Surged for 6.5 min prior
0742	20	8.40	0.915	653	16.23	@ 6" bellow bottom of screen
0744	40	6.20	0.909	135	16.34	
0748	80	5.66	0.891	2.68	16.44	
0750	100	5.58	0.872	2.55	16.28	
0752	120	5.56	0.875	3.04	16.51	
0755	150	5.55	0.865	4.67	16.33	
0804	150	5.53	0.861	334	16.56	Surged for 6.5 min prior
0806	170	5.54	0.882	291	16.81	@ 3" from bottom of screen
0808	190	5.52	0.882	189	16.35	
0810	210	5.58	0.861	507	16.31	
0812	230	5.56	0.861	227	16.29	
0814	250	5.59	0.851	172	16.30	
0816	270	5.53	0.861	7.80	16.29	
0819	300	5.53	0.858	1.56	16.31	
0830	300	6.89	0.857	65.6	16.54	Surged for 6.5 min prior
0832	320	6.21	0.875	164	16.28	@ 5" from bottom of screen
0834	340	5.59	0.864	3.22	16.37	
0838	380	5.56	0.872	1.12	16.46	
0844	440	5.50	0.865	1.10	16.35	
0848	480	5.58	0.881	1.58	16.58	
0850	500	5.57	0.885	1.62	16.44	

Notes: 2.4 ppm ← PID reading at well head, unable to measure pumping depth to water due to diameter of submersible pump used for development

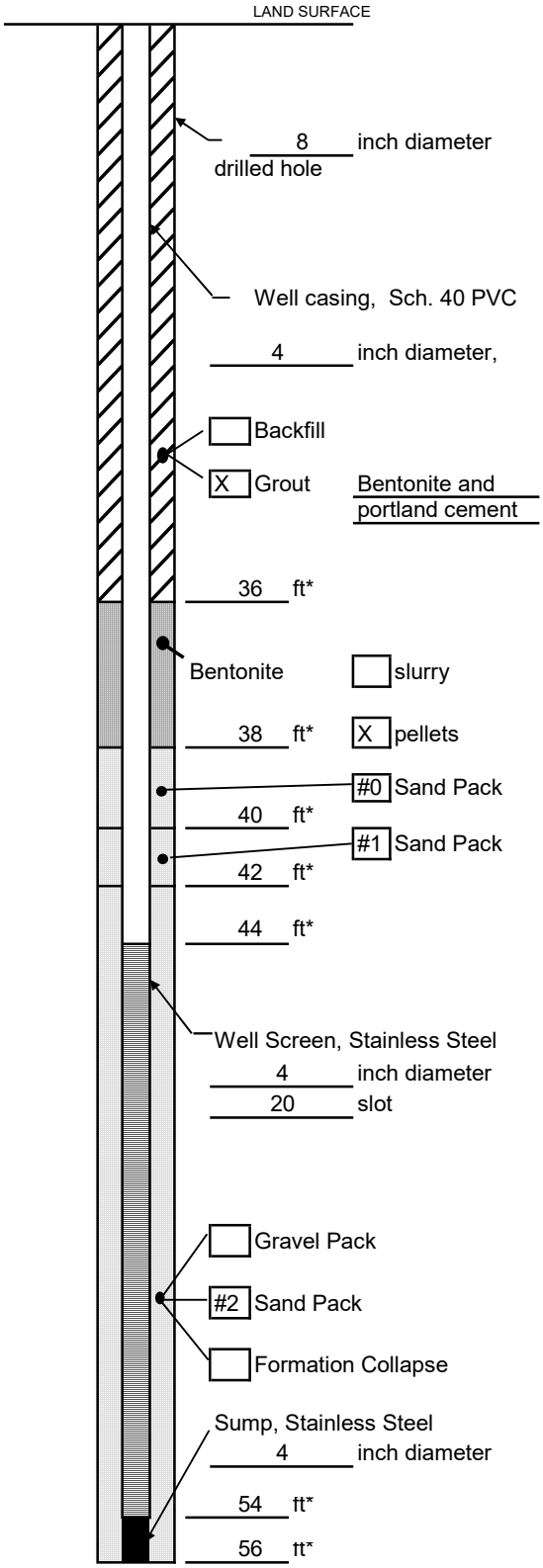
Well Casing Volumes (gallon/feet)

1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Millisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Milligrams per liter	NM	Not Measured	VOC	Volatile Organic Compounds

Well Construction Log

(Unconsolidated)



Measuring Point is Top of Well Casing Unless Otherwise Noted.

* Depth Below Land Surface

Project: Long Island MacArthur Airport Well: ISP MW-04

Town/City: Ronkonkoma

County: Suffolk State: New York

Permit No.: NA

Land-Surface (LS) Elevation and Datum:

81.85 feet msl [X] Surveyed [ ] Estimated

Installation Date(s): 7/27/2021

Drilling Method: Sonic

Drilling Contractor: Aquifer Drilling and Testing

Drilling Fluid: Water

Development Technique(s) and Date(s)

Submersible pump with surge block

Fluid Loss During Drilling: 4,500 gallons

Water Removed During Development: 410 gallons

Static Depth to Water: 44.72 feet below M.P.

Pumping Depth to Water: unable to measure pumping depth due to pump diameter feet below M.P.

Pumping Duration: 1.5 hours

Yield: 6.5 gpm Date: 7/30/2021

Specific Capacity: not measured gpm/ft

Well Purpose: Monitoring Well

Remarks: Well is finished flash mount to land surface.

Prepared by: Stephen Vlavianos

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WELL DEVELOPMENT LOG

Site/Well No. ISP MW - 04 Development Personnel: SV

Project ISLIP MacArthur Airport Project No. 30017855 Page 1 of 1

Site Location ISLIP (Ronkonkoma, New York) Date 7/30/21

Weather 80° Sunny Development Time Begin 08:19 End 09:58

Evacuation Data

Measuring Point	TOC	Sample Pump Intake Setting (ft bmp)	begin surging w/pump from bottom of screen moving up
MP Elevation (ft)	n/a	Pumping Rate (gpm)	6.5 gpm
Land Surface Elevation (ft)	81.85 ft msl	Evacuation Method	submersible pump
Sounded Well Depth (ft bmp)	56.18		
Depth to Water (ft bmp)	44.72		
Water-Level Elevation (ft)	n/a	**Field Parameters**	
Water Column in Well (ft)	11.46	Color	None/Clear
Casing Diameter/Type	4" Schedule 40 PVC	Odor	None
Gallons in Well	7.45	Appearance	clear

Time	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
8 27	0	6.78	0.622	Over	17.36	Surged for 7 min Prior
8 30	20	5.97	0.720	143	16.44	
8 32	46	5.42	0.731	54	16.34	
8 34	77	5.78	0.721	18.5	16.15	
8 37	97	5.45	0.709	6.54	16.39	
8 39	105	6.00	0.653	4.77	16.51	
8 41	118.3	5.92	0.653	2.93	16.41	
8 47	158.3	6.02	0.624	2.11	16.48	
8 58	158	5.59	0.645	154	16.45	Surged for 7 min Prior
9 02	184	6.01	0.622	4.34	16.32	
9 04	197	5.92	0.608	4.39	16.38	
9 06	210	5.90	0.591	3.85	16.36	
9 08	222	5.89	0.592	2.96	16.46	
9 10	236	5.85	0.580	2.46	16.21	
9 12	252	5.79	0.591	2.49	16.71	
9 16	285	5.89	0.579	2.2	16.78	
9 34	285	5.79	0.591	106	16.06	Surged for 7 min Prior
9 36	298	5.81	0.585	23.2	16.18	
9 40	324	5.72	0.584	3.41	16.27	
9 44	350	5.62	0.583	4.42	16.25	
9 48	380	5.65	0.594	3.2	16.58	
9 54	410.6	5.67	0.597	1.13	16.22	

Notes: Unable to measure pumping depth to water due to diameter of submersible pump used for development.

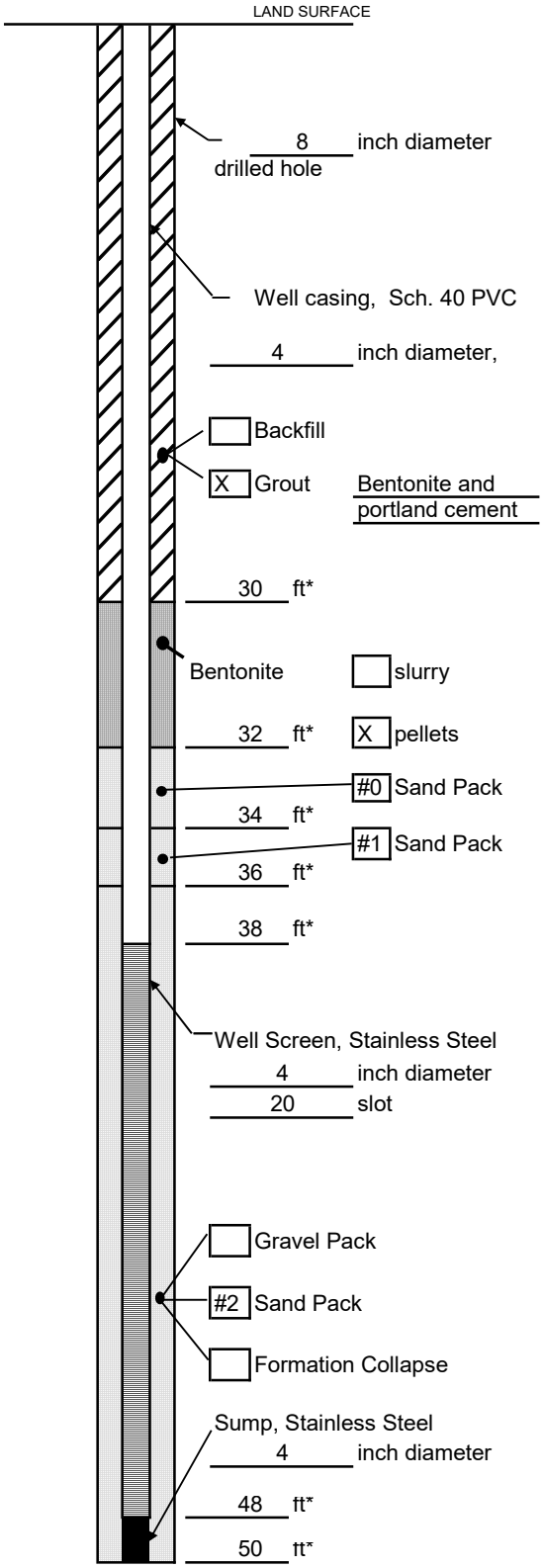
Well Casing Volumes (gallon/feet)

1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Millisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Milligrams per liter	NM	Not Measured	VOC	Volatile Organic Compounds

Well Construction Log

(Unconsolidated)



Measuring Point is Top of Well Casing Unless Otherwise Noted.

* Depth Below Land Surface

Project: Long Island MacArthur Airport Well: ISP MW-05

Town/City: Ronkonkoma

County: Suffolk State: New York

Permit No.: NA

Land-Surface (LS) Elevation and Datum:

78.45 feet msl [X] Surveyed [ ] Estimated

Installation Date(s): 7/16/2021

Drilling Method: Sonic

Drilling Contractor: Aquifer Drilling and Testing

Drilling Fluid: Water

Development Technique(s) and Date(s)

Submersible pump with surge block

Fluid Loss During Drilling: 2,250 gallons

Water Removed During Development: 410 gallons

Static Depth to Water: 39.41 feet below M.P.

Pumping Depth to Water: unable to measure pumping depth due to pump diameter feet below M.P.

Pumping Duration: 1.1 hours

Yield: 10 gpm Date: 7/30/2021

Specific Capacity: not measured gpm/ft

Well Purpose: Monitoring Well

Remarks: Well is finished flash mount to land surface.

Prepared by: Stephen Vlavianos

ARCADIS Design & Consultancy for natural and built assets

WELL DEVELOPMENT LOG

Site/Well No. TSP MW 05 Development Personnel: Stephen Vlavianos

Project Long Island MacArthur Airport Project No. 30017855 Page 1 of 1

Site Location Ronkonkoma, New York Date 7/30/21

Weather 70°SF / Sunny Development Time Begin 1182 End 12:40

Evacuation Data

Measuring Point	Top of Casing	Sample Pump Intake Setting (ft bmp)	see remarks for pump intake
MP Elevation (ft)	n/a	Pumping Rate (gpm)	~ 10 gpm
Land Surface Elevation (ft)	n/a	Evacuation Method	submersible pump
Sounded Well Depth (ft bmp)	49.51		
Depth to Water (ft bmp)	39.41		
Water-Level Elevation (ft)	n/a	**Field Parameters**	
Water Column in Well (ft)	10.1	Color	NONE
Casing Diameter/Type	4" Schedule 40 PVC	Odor	NONE
Gallons in Well	6.56	Appearance	clear

Time	Total Gallons Removed	pH (s.u.)	Conductivity (mS/cm or umhos/cm)	Turbidity (NTU)	Temperature (°F/°C)	Remarks
1125	0	5.07	0.433	Over	16.28	Surged from 6" Bellow screen
1127	20	5.99	0.415	9.03	16.00	to 3' from bottom of screen
1129	50	5.88	0.406	6.35	15.77	7 min
1131	63	5.72	0.408	1.96	15.90	
1133	76	5.63	0.401	0.99	15.85	
1137	89	5.52	0.403	0.91	15.81	
1142	109	5.54	0.399	1.01	15.80	
1145	129	5.52	0.398	1.78	15.76	
1150	150	5.13	0.396	54.4	15.92	Surged from 3' from bottom
1153	150	5.27	0.399	9.69	15.89	to 6' from bottom
1155	169	5.29	0.396	1.82	15.85	7 min
1158	189	5.26	0.392	1.45	15.81	
1201	209.2	5.31	0.389	1.22	15.78	
1205	235	5.38	0.388	0.98	15.68	
1207	236	5.40	0.391	0.99	15.66	
1210	269.08	5.41	0.392	1.08	15.64	
1219	269	5.61	0.482	9.69	15.01	Surged from top 4' of screen
1222	289	5.65	0.444	1.54	15.91	for 7 min.
1226	315	5.66	0.421	1.53	15.96	
1229	335	5.67	0.419	0.27	15.90	
1231	350	5.64	0.418	1.21	15.81	
1235	375	5.61	0.415	1.08	15.61	
1239	408.9	5.59	0.413	1.12	15.63	

Notes: Unable to measure pumping depth to water due to wide diameter of submersible pump used for well development.

Well Casing Volumes (gallon/feet)

1-¼" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
1-½" = 0.09	2-½" = 0.26	3-½" = 0.50	6" = 1.47

bmp	below measuring point	ml	milliliter	NTU	Nephelometric Turbidity Units
°C	Degrees Celsius	mS/cm	Millisiemens per centimeter	PVC	Polyvinyl chloride
ft	feet	msl	mean sea-level	s.u.	Standard units
gpm	Gallons per minute	N/A	Not Applicable	umhos/cm	Micromhos per centimeter
mg/L	Milligrams per liter	NM	Not Measured	VOC	Volatile Organic Compounds

Appendix D

Groundwater Sampling Logs

ARCADIS Design & Consultancy for natural and built assets

Groundwater Sampling Log

Page 1 of 2

Project No. 30017855 | Well ID ISP MW-01 | Date 8/18/21

Project Name/Location Islip Airport | Weather 80°F Humid

Measuring Pt. Description TOC | Screen Interval (ft-bmp) TD | Casing Diameter (in.) 4 | Well Material X PVC ___ SS

Static Water Level (ft-bmp) 58.46 | Total Depth (ft-bmp) 69.28 | Water Column/ Gallons in Well ___

MP Elevation ___ | Pump Intake (ft-bm) 67.28 | Purge Method: Bladder, Peristaltic, Submersible, Other | Sample Method Low flow

Pump On/Off 0800 | Volume Purged (gal) ___

Sample Time: Label ___ Start 1000 End 1005 | Replicate/ Code No. ___ | Sampled by SV NC

PID: 0.2 PPM

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft)	Volume Purged (L)	pH (SU)	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
0810	0	500	58.49		6.79	0.424		9.08	18.10	131.1	cloudy	No
0815	5	210			5.70	0.417	67.9	9.19	16.00	153.3		
0820	10				5.54	0.416		9.01	17.35	152.5	cloudy	
0825	15				5.55	0.416		9.05	17.59	150.9		
★ 0830	20											
0835	25					NC						
0840	30											
0900	50	150	58.47		5.65	0.413	73.0	8.27	19.10	150.7	cloudy	
0905	55	150			5.64	0.414		8.07	19.03	150.5		
0910	60	300			5.64	0.413		8.00	18.97	150.6		
0915	65	150			5.63	0.409		8.01	17.20	152.4		
0920	70	150	58.49		5.60	0.409		7.45	19.83	153.1		
0925	75	150			5.61	0.408	53.8	7.39	20.13	152.1		
0930	80	150			5.62	0.406		7.74	19.52	152.5		
0935	85	150			5.62	0.407	51.8	7.75	19.32	153.2		
0940	90	150			5.62	0.405		7.72	19.34	154.0		

Constituents Sampled	Container	Number	Preservative
Herbicides PCB TCL Pest	250 mL Amber	8	None
1,4 Dioxane	250 mL Amber	2	None
Merc/Metals	250 mL Plastic	2	Nitric/None
VOCs	40 mL Vial	5	HCL
PFAS	250 mL Plastic	2	None

Notes:
★ Pump issue at 0830, halt in flow, Resumed at 0900

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; ~~3.5" = 0.50~~; 4" = 0.65; 6" = 1.47; 1/2" = 0.01; 3/8" = 0.006

Well Information

Well Location: Mtwn Markets | Well Locked at Arrival: Yes / No

Condition of Well: good | Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up | Key Number To Well:

ARCADIS

GROUNDWATER SAMPLING FORM

Project No. 30017855 Well ID ISP MW-01 Date 8/18/21

Project Name/Location ISLIP AIRPORT Weather 80° F HUMID

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10 Casing Diameter (in.) 4 Well Material ___ PVC ___ SS

Static Water Level (ft-bmp) 58.46 Total Depth (ft-bmp) 69.28 Water Column (ft) ___ Gallons in Well ___

MP Elevation ___ Pump Intake (ft-bmp) ___ Purge Method: Bladder / Centrifugal / Submersible / Other ___ Sample Method Low Flow

Pump On/Off ___

Sample Time: ___ Volumes Purged ___

Purge Start ___ Gallons Purged ___ Sample ID ___ Sampled by SV

Purge End ___ Replicate/Code No. ___ NC

Time	Minutes Elapsed	Rate (gpm)/(mL/min) 200mL/min +	Depth to Water (ft) -0.3	Gallons Purged	pH ± 0.1	Cond. (µMhos)/(mS/cm) ± 3%	Turbidity (NTU) ± 10%	DO (mg/L) ± 10%	Temp. (°C)/(°F) ± 3%	Redox (mV) ± 10mV	Appearance Color	Appearance Odor
0945	95	150	58.48		5.60	0.401	41.9	7.79	19.25	155.5	cloudy	NO
0950	100	150			5.59	0.401		7.82	19.17	157.3		
0955	105	150	58.49		5.58	0.400	39.4	7.78	19.24	158.0		
Stabilization Calculations (±)												
Stabilization Criteria					± 0.1 s.u.	±3%	± 10% or within 1 NTU (1)	± 10%	±3%	±10 mV		

(1) **Turbidity** < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
PS	H	1	

Comments ___

Well Casing Volumes

Gallons/Foot *1" = 0.04* *1.25" = 0.06* *1.5" = 0.09* *2" = 0.16* *2.5" = 0.26* *3" = 0.37* *3.5" = 0.50* *4" = 0.65* *6" = 1.47*

Well Information

Well Location: ___ Well Locked at Arrival: Yes / No

Condition of Well: ___ Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well: ___

GW Samp Form

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Groundwater Sampling Log

Page 1 of 1

Project No. 30017855 AOC4W Well ID ISP MW 02 Date 8/20/21

Project Name/Location MacArthur Air Port Weather 80° Sunny

Measuring Pt. Description TOC Screen Interval (ft-bmp) 10 Casing Diameter (in.) 4 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 45.19 Total Depth (ft-bmp) 51.29 Water Column/ Gallons in Well

MP Elevation Pump Intake (ft-bn 48.29 Purge Method: Bladder Peristaltic Submersible ✓ Other Sample Method Low flow

Pump On/Off 0750 Volume Purged ~~(gal)~~ 14 L

Sample Time: Label ISP MW-02 Replicate/ Code No.
Start 8 40
End 8 45

Sampled by SU NC

PID: 0.2

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft)	Volume Purged (L)	pH (SU)	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
0755	0	350	45.21	0	8.58	0.149		6.88	23.03	103.2	None	None
0800	5	350		1.75	8.61	0.212	56.4	4.79	19.09	42.2	"	"
0805	10	350	45.22	3.5	8.68	0.210		3.38	18.75	12.0	"	"
0810	15	350		5.25	8.75	0.209	12.4	1.98	18.78	-1.9	"	"
0815	20	350	45.20	7	8.79	0.208		1.62	18.76	-7.9	"	"
0820	25	350		8.75	8.82	0.208	14.8	1.39	18.94	-10.4	"	"
0825	30	350	45.21	10.5	8.85	0.209		1.27	18.97	-12.8	"	"
0830	35	350		12.25	8.89	0.210	12.1	1.21	18.99	-9.8	"	"
835	40	350	45.22	14	8.88	0.211		1.19	19.00	-8.9	"	"

Constituents Sampled	Container	Number	Preservative
Herbicides	250 mL Amber	8	None
PCB	250 mL Amber	7	None
TCL Pest	250 mL Plastic	2	Nitric/none
1,4 Dioxane	40 mL Vial	3	HCL
Mercury/metals	250 mL Plastic	2	None
VOCs			
PFAS			

Notes:

Well Casing Volumes

Gallons/Foot						
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47	3/8" = 0.006
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	1/2" = 0.01	

Well Information

Well Location: Between Markers Well Locked at Arrival: Yes / No

Condition of Well: good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

ARCADIS

Groundwater Sampling Log

Page 1 of

Project No. 30017855 AOC 4W

Well ID ISP MW 04

Date 8/20/21

Project Name/Location McArthur Air Port

Weather 80° Sunny

Measuring Pt. Description TOC

Screen Interval (ft-bmp) 10

Casing Diameter (in.) 4

Well Material X PVC ___ SS

Static Water Level (ft-bmp) 44.96

Total Depth (ft-bmp) 55.17

Water Column/ Gallons in Well

MP Elevation

Pump Intake (ft-bn

Purge Method: Bladder Peristaltic Submersible Other

Sample Method Low flow

Pump On/Off 0950

Volume Purged (gal)

Sample Time: Label ISP MW 04 Start 1100 End 1105

Replicate/ Code No.

Sampled by NC SV

PID: 0.3

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft)	Volume Purged (L)	pH (SU)	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
0955	0	570	44.98	0	7.56	0.561		3.61	18.29	42.7	Cloudy	NO
1000	5	390		2.4025	6.64	0.563	179	2.69	17.64	68.8	↓	
1005	10	390		4.85	6.37	0.563		2.61	17.77	73.9	Cloudy	
1010	15	390	44.96	6.3	6.22	0.568	133	2.69	17.53	74.0	↓	
1015	20	390		8.25	6.13	0.561		2.78	17.04	74.3		
1020	25	390		10.2	6.09	0.556	91.2	2.86	17.04	74.2	Clear	
1025	30	390	44.94	12.15	6.04	0.553		3.05	17.21	74.4		
1030	35	390		14.1	6.02	0.552	60.7	2.94	17.07	74.4		
1035	40	390		16.05	6.00	0.550		2.97	16.83	74.4		
1040	45	390	44.96	18	5.98	0.533	45.8	2.97	17.01	75.4		
1045	50	390		19.95	5.95	0.531	40.9	3.06	17.70	77.6	↓	
1050	55	390		21.9	5.95	0.529	38.6	3.15	17.24	79.5	Clear	↓

Constituents Sampled	Container	Number	Preservative
Herbicides PCB TCL Rest	250 mL Amber glass	8	None
1,4 Dioxane	250 mL Amber glass	2	None
Mercury	250 mL Plastic	1	Nitric Acid
VOCs	40 mL glass vial	3	HCl
Metals	250 mL Plastic	1	None
PFAS	250 mL Plastic	2	None

Notes:

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47; 1/2" = 0.01; 3/8" = 0.006

Well Information

Well Location: Between Well markers

Condition of Well: Good

Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No

Well Locked at Departure: Yes / No

Key Number To Well:

ARCADIS Design & Consultancy for natural and built assets

Groundwater Sampling Log

Project No. 30017855 Well ID ISP MW3-1 Date 8/17/21 Page 1 of 1

Project Name/Location MacArthur Air Port Weather 80°F Sunny

Measuring Pt. Description TOC Screen Interval (ft-bmp) 10 Casing Diameter (in.) 4 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 48.79 Total Depth (ft-bmp) 59.08 Water Column/ Gallons in Well

MP Elevation Pump Intake (ft-bn 57' Purge Method: Bladder Peristaltic Submersible Other Sample Method Low flow

Pump On/Off 1300 1400 Volume Purged (gal) 16.1 L

Sample Time: Label 1355 Start 1355 End 1400 Replicate/ Code No.

Sampled by SV NC ALH

PID: 0.3 ppm

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft)	Volume Purged (L)	pH (SU)	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1305	0	570	48.78	0	7.58	0.132	N/A	25.02	17.00	109.1	Clear	NO
1310	5	570		2.85	6.85	0.125	"	18.62	16.50	150.8	Clear	"
1315	10	150	48.80	4.65	6.40	0.123	"	10.93	17.24	165.2	Clear	"
1320	15	350		5.9	6.08	0.121	"	11.34	17.48	175.1	Clear	"
1325	20	350	48.81	7.65	5.95	0.121	"	7.92	18.44	178.7	Clear	"
1330	25	350		9.4	5.84	0.120	"	9.33	18.89	181.4	Clear	"
1335	30	350		11.15	5.79	0.119	"	10.91	18.71	184.4	Clear	"
1340	35	350	48.79	12.9	5.72	0.118	"	10.90	18.57	188.4	Clear	"
1345	40	320		14.5	5.71	0.118	"	10.49	18.36	190.4	Clear	"
1350	45	320	48.81	16.1	5.67	0.117	"	10.07	18.22	193.3	Clear	"

Constituents Sampled	Container	Number	Preservative
Herbicides PCB TCL Pest	250 mL	8	None
1,4 Dioxane	250 mL	2	None
Merc / Metals	250 mL	2	Nitric/None
VOC	40 mL	3	HCL
PFAS	250 mL	2	None

47
48.79

Notes:

57
59

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.5" = 0.09 2.5" = 0.26 ~~3.5"~~ = 0.50 6" = 1.47 3/8" = 0.006
1.25" = 0.06 2" = 0.16 3" = 0.37 4" = 0.65 1/2" = 0.01

Well Information

Well Location: near runway Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well: 54313

ARCADIS Design & Consultancy for natural and built assets

Groundwater Sampling Log

Page 1 of 1

Project No. 300178SS ADCGW Well ID ISP MW 9-1 Date 8/18/21

Project Name/Location ISLIP AIRPORT Weather 80's, humid

Measuring Pt. Description TOC ~~51.99~~ Screen Interval (ft-bmp) 10 Casing Diameter (in.) 4" Well Material X PVC ___ SS

Static Water Level (ft-bmp) 51.59 Total Depth (ft-bmp) 64.39 Water Column/ Gallons in Well ___

MP Elevation ___ Pump Intake (ft-bn 58 Purge Method: Bladder Peristaltic Submersible Other ___ Sample Method Low Flow

Pump On/Off 1320 Volume Purged ~~(gal)~~ 20 L

Sample Time: Label 1425 Start 1450 End ___ Replicate/ Code No. ___ Sampled by NC SV

PID: 0.7 ppm

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft)	Volume Purged (L)	pH (SU)	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1330	0	450	51.99	0	4.44	0.365		9.63	22.23	263.3	Cloudy	NONE
1335	5	450		2.25	4.25	0.348	46.1	9.92	17.73	280.6		
1340	10	450		4.5	4.23	0.343		10.39	17.64	284.5		
1345	15	400		6.5	4.25	0.340	41.8	10.49	17.85	290.3	Cloudy	
1350	20	400	52.00	8.5	4.27	0.340		10.41	17.87	292.4		
1355	25	400		10.5	4.31	0.341		10.16	17.65	295.2		
1400	30	400	52.00	12.5	4.34	0.338	33.6	10.33	17.81	298.1	Clear	
1405	35	400		14.5	4.36	0.333		10.88	17.72	300.5		
1410	40	400		16.5	4.39	0.328		10.22	17.68	305.5		
1415	45	400	52.01	18.5	4.42	0.326	30.2	10.43	17.55	309.4		

Constituents Sampled	Container	Number	Preservative
Herbicides PCB TCL Rest	250 mL Amber	8	None
1,4 Dioxane	"	2	None
Mercury / Metals	250 mL Plastic	2	Nitric Nom.
VOCs	40 mL Vial	3	HCL
PFAS	250 mL Plastic	2	None

Notes:

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47 1/2" = 0.01 3/8" = 0.006

Well Information

Well Location: Btwn Markers Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

ARCADIS Design & Consultancy for natural and built assets

Groundwater Sampling Log

Project No. 30017855 | Well ID ISPMW-3 | Page 1 of 1 | Date 8/19/21

Project Name/Location ISLIP AIRPORT | Weather 70's Cloudy

Measuring Pt. Description TOC | Screen Interval (ft-bmp) 10' | Casing Diameter (in.) 4 | Well Material X PVC ___ SS

Static Water Level (ft-bmp) 35.49 | Total Depth (ft-bmp) 46 | Water Column/ Gallons in Well —

MP Elevation — | Pump Intake (ft-bm ~40 | Purge Method: Bladder / Peristaltic / Submersible / Other | Sample Method Low Flow

Pump On/Off 1005 | Volume Purged (gal) 14.62

Sample Time: Label 1100 | Start 1106 | End 1105 | Replicate/ Code No. —

Sampled by NC / SV

PID: 0.0ppm well head

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft)	Volume Purged (L)	pH (SU)	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1010	0	550	35.56	0	6.43	0.590		9.41	20.38	83.4	Clear	NO
1015	5	500		2.625	6.09	0.604		7.14	18.68	92.0	↓	↓
1020	10	390		4.85	6.07	0.614	20.6	6.32	19.90	95.0		
1025	15	390		6.8	6.10	0.624		5.84	19.31	99.8	Clear	
1030	20	390	35.57	8.75	6.12	0.630		5.37	19.42	105.4	↓	
1035	25	390		10.7	6.11	0.632	17.2	5.06	19.22	107.6		
1040	30	390		12.65	6.13	0.630		4.93	19.26	106.5	clear	
1045	35	390		14.6	6.14	0.631		4.88	19.43	106.9	clear	

Constituents Sampled	Container	Number	Preservative
Herbicides PCB TCL Pest	250 mL Amber	8	None
1,4 Dioxane	"	2	None
Mercury / metals	250 mL Plastic	2	Nitric / none
VOCs	40 mL Vial	3	HCL
PFAS	250 mL Plastic	2	None

Notes:

Well Casing Volumes

Gallons/Foot						
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	~~3.5" = 0.50~~	6" = 1.47	3/8" = 0.006
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	1/2" = 0.01	

Well Information

Well Location:	Between Markers	Well Locked at Arrival:	Yes / No
Condition of Well:	Good	Well Locked at Departure:	Yes / No
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	

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Groundwater Sampling Log

Page 1 of 1

Project No. 30017855 Well ID ISP MW4-1 Date 5/18/21

Project Name/Location MacArthur Airport Weather 80°F Sunny

Measuring Pt. Description TOC Screen Interval (ft-bmp) 10 Casing Diameter (in.) 4 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 55.69 Total Depth (ft-bmp) 66.54 Water Column/ Gallons in Well N/A

MP Elevation N/A Pump Intake (ft-bn 60 Purge Method: Bladder Peristaltic Submersible Other Sample Method Low flow

Pump On/Off 1120 Volume Purged ~~(gal)~~ 13.52

Sample Time: Label Start 1215 End Replicate/ Code No. N/A Sampled by SV NC

PID: 0.2 PPM

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft) 55.70	Volume Purged (L)	pH (SU)	Cond. (mS/cm)	Turbidity FNU ~~(NTU)~~	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1135	0	500	55.72	0	6.13	0.237		61.4	17.71	184.1	Clear	No
1140	5	500		2.5	5.75	0.235	21.2	10.00	16.89	201.0	"	"
1145	10	400		5	5.55	0.238		9.73	16.95	200.1	"	"
1150	15	400	55.72	7	5.56	0.240	8.23	9.75	16.79	196.2	"	"
1155	20	300		9	5.60	0.237		9.70	16.87	195.3	"	"
1200	25	300		10.5	5.62	0.238	8.73	9.71	16.77	195.7	"	"
1205	30	300	55.73	12	5.63	0.237		9.70	16.85	195.1		
1210	35	300	55.72	13.5	5.64	0.237	8.65	9.74	16.87	195.8		

Constituents Sampled	Container	Number	Preservative
Herbicides PCB TCL Pest	250 mL	8	None
Nitrate	250 mL	2	None
Merc Metal	250 mL	2	Nitric/None
VOCs	40 mL	3	HCL
PFAS	250 mL	2	None

Notes:

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.5" = 0.09 2.5" = 0.26 ~~3.5" = 0.50~~ 6" = 1.47 3/8" = 0.006
1.25" = 0.06 2" = 0.16 3" = 0.37 4" = 0.65 1/2" = 0.01

Well Information

Well Location: btwn Markers Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

SIC 231 8090

ARCADIS Design & Consultancy for natural and built assets

Groundwater Sampling Log

Page 1 of 1

Project No. 30017855 | Well ID ISPMW-5 | Date 8/19/21

Project Name/Location Islip Airport | Weather 60's, cloudy

Measuring Pt. Description TOC | Screen Interval (ft-bmp) 10' | Casing Diameter (in.) 4 | Well Material X PVC ___ SS

Static Water Level (ft-bmp) 39.39 | Total Depth (ft-bmp) 50 | Water Column/ Gallons in Well ___

MP Elevation ___ | Pump Intake (ft-bm 45 | Purge Method: Bladder / Peristaltic / Submersible / Other | Sample Method Low flow

Pump On/Off 0745 | Volume Purged ~~(gal)~~ 11 L

Sample Time: Label 0835 | Start 0835 | End 0840 | Replicate/ Code No. ___ | Sampled by NC SV

PID: 0.7 PPM well head, 0.0 Breathing zone

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft)	Volume Purged (L)	pH (SU)	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
0750	0	310		0	6.04	0.261	25.4	13.20	21.44	190.8	Clear	NO
0755	5	310	39.40	1.55	5.44	0.258		10.58	19.92	210.2	↓	↓
0800	10	310		3.1	5.44	0.258		10.19	19.73	210.7	↓	↓
0805	15	310		4.65	5.48	0.258		9.47	19.74	207.4	↓	↓
0810	20	310		6.2	5.52	0.258	15.7	8.93	19.70	206.0	↓	↓
0815	25	310	39.40	7.75	5.57	0.259		8.92	19.67	204.6	Clear	↓
* 0820	30	310		9.3	5.59	0.259		8.25	19.56	203.2	↓	↓
0825	35			11	5.63	0.259		8.54	19.71	203.0	↓	↓

Constituents Sampled	Container	Number	Preservative
Herbicides PCB TCL Pest	250 mL Amber	8	None
1,4 Dioxane	250 mL Amber	2	None
Mercury / Metals	250 mL Plast	2	Nitri / None
VOCs	40 mL Vial	3	HCL
PFAS	250 mL Plastic	2	None

Notes:

* 0820 - NOTICED SMALL BUBBLE at Bottom of Dissolved Oxygen probe

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47; 1/2" = 0.01; 3/8" = 0.006

Well Information

Well Location: ___

Condition of Well: Good

Well Completion: Flush Mount / Stick Up

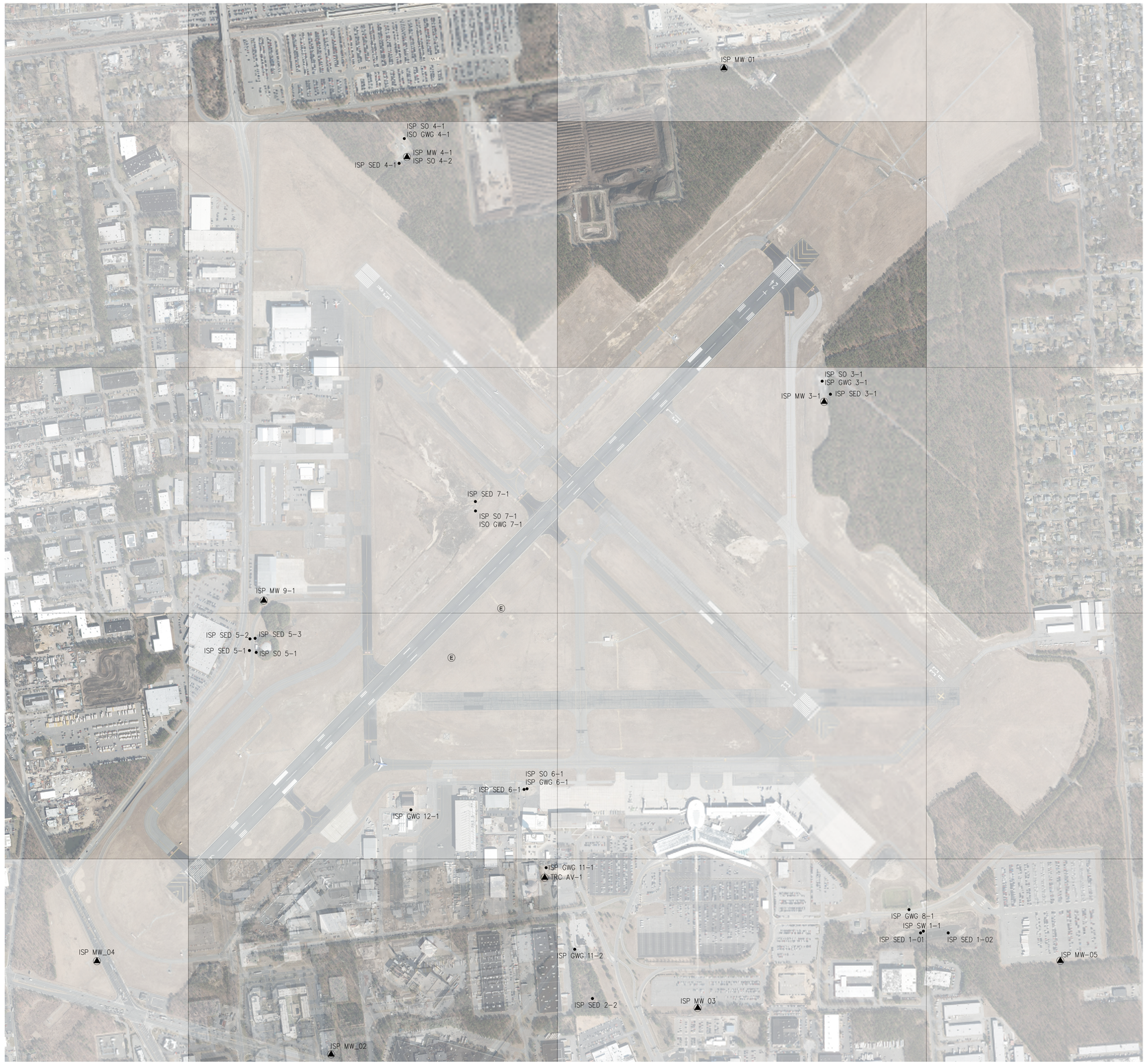
Well Locked at Arrival: (Yes) / No

Well Locked at Departure: Yes / No

Key Number To Well: ___

Appendix E

Survey Results



N

MONITORING WELL LOCATIONS & ELEVATIONS:

WELL No	Northing	Easting	Cover	Casing
ISP MW 01	234433.58	1234354.53	104.54	103.79
ISP MW 02	226410.14	1231159.73	81.80	81.34
ISP MW 03	226788.81	1234140.68	73.79	73.26
ISP MW 3-1 (ISP SO 3-2)	231719.30	1235168.21	91.97	91.47
ISP MW 04	227169.71	1229255.99	81.85	81.50
ISP MW 4-1 (ISP SO 4-2)	233711.06	1231776.37	100.24	99.86
ISP MW 05	227172.51	1237089.15	78.45	77.79
ISP MW 9-1	230102.69	1230612.28	92.67	92.08
TRC AV1	227848.320	1232896.550	80.73	80.44

SOIL BORING LOCATIONS & ELEVATIONS:

Boring No.	Northing	Easting	Elev.
ISP GWG 8-1	227588.48	1235858.736	69.84
ISP GWG 11-1	227929.86	1232908.101	80.02
ISP GWG 11-2	227266.239	1233140.491	77.79
ISP GWG 12-1	228400.566	1231808.583	81.55
ISP SED 1-1	227399.314	1235953.009	39.19
ISP SED 1-2	227399.000	1236177.583	39.10
ISP SED 2-2	226865.493	1233284.442	58.28
ISP SED 3-1	231781.125	1235219.724	92.49
ISP SED 4-1	233659.287	1231712.813	99.77
ISP SED 5-1	229696.134	1230495.587	91.00
ISP SED 5-2	229791.051	1230500.103	90.93
ISP SED 5-3	229795.250	1230541.707	90.04
ISP SED 6-1	228566.466	1232728.430	79.40
ISP SED 7-1	230908.482	1232332.803	76.19
ISP SO 3-1	231887.390	1235152.538	93.03
ISP SO 4-1	233861.088	1231755.005	100.42
ISP SO 5_1	229680.937	1230550.337	91.26
ISP SO 6-1	228571.882	1232753.090	79.42
ISP SO 7-1	230831.687	1232333.772	79.13

NOTES:

1. Elevations refer to North American Vertical Datum of 1988(NAVD88).
2. Coordinates are in New York State Plane Coordinate System, Long Island Zone, North American Datum of 1983 (NAD83).
3. Wells located in the field on September 23, 2021. Casing elevations located on September 27, 2021.
4. Cover Elevations=Ground elevations

400 0 200 400 800 1600

GRAPHIC SCALE
1"=400'

NO.	DATE	DESCRIPTION	BY
1.	10.19.2021	Add Casing Elevations and Boring Locations	ed

Unauthorized alteration or addition to this survey map is a violation of Section 7209 of the New York State Education Law. Copies of this map not bearing the Land Surveyor's inked seal or embossed seal shall not be considered to be a valid true copy. Certifications indicated hereon shall run only to the person for whom the survey is prepared, and on his behalf to the title company, governmental agency and lending institution listed hereon, and to the assignees of the lending institution. Certifications are not transferable to additional institutions or subsequent owners.

PREPARED FOR: Arcadis
MAP OF: Monitering Well Locations with Casing Elevations
Islip MacArthur Airport

LOCATED AT: Town of Islip
COUNTY OF: Suffolk County, New York
CERTIFIED TO:

RLT Engineering, Geology, and Land Surveying, P.C.
A LiRo Group Company
235 East Jericho Turnpike
Mineola, NY 11501
Phone: 516-746-2350
Fax: 516-747-1396
www.Liro.com

DRAFTED BY: ed
CHECKED BY: mr
PROJECT NO.: 21-189-2758
SCALE: 1"=400'
TAX MAP DESIGNATION: N/A
DATE: September 24, 2021

T:\Private Site\121\21-189-2758 Arcadis MacArthur Airport Ronkonkoma\Survey\Dwg\21-189-2758_Islip Airport Monitoring Well Locations.dwg(Layout1) Last Modified: Oct 20, 2021 Plotted by DickmanE

Appendix F

Investigation-Derived Waste Management

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2166342

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # *CESQG* GENERATOR NAME: *Long Island MacArthur Airport – Town of Islip*

GENERATOR CODE (Assigned by Clean Harbors) *MA58369* CITY *Ronkonkoma* STATE/PROVINCE *NY* ZIP/POSTAL CODE *11779*

ADDRESS *100 Arrival Ave* PHONE: *(631) 478-9547*

CUSTOMER CODE (Assigned by Clean Harbors) *GER006* CUSTOMER NAME: *Arcadis*

ADDRESS *2 Huntington Quadrangle Suite 1S10* CITY *Melville* STATE/PROVINCE *NY* ZIP/POSTAL CODE *11747*

B. WASTE DESCRIPTION

WASTE DESCRIPTION: *Soil containing elevated concentration of PFAS*

PROCESS GENERATING WASTE: **IDW Waste**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- [x] SOLID WITHOUT FREE LIQUID
- POWDER
- MONOLITHIC SOLID
- LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE
- % FREE LIQUID
- % SETTLED SOLID
- % TOTAL SUSPENDED SOLID
- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3

% BY VOLUME (Approx.)

TOP	*0.00*
MIDDLE	*0.00*
BOTTOM	*0.00*

VISCOSITY (If liquid present)
- 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR

varies

ODOR
- [x] NONE
- MILD
- STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON
- [x] <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- > 200 (>93)

pH
- <= 2
- 2.1 - 6.9
- 7 (Neutral)
- [x] 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)
- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
2-BUTANONE (MEK)	0.0000000	--	0.0130000	PPM
4,4-DDD	0.0000000	--	0.1200000	PPM
4,4-DDE	0.0000000	--	0.0110000	PPM
4,4-DDT	0.0000000	--	0.0070000	PPM
6:2 FLUOROTELOMER SULFONIC ACID (6:2 FTSA)	0.0000000	--	282.0000000	PPB
8:2 FLUOROTELOMER SULFONIC ACID (8:2 FTSA)	0.0000000	--	170.0000000	PPB
ACENAPHTHENE	0.0000000	--	0.0100000	PPM
ACETONE	0.0000000	--	0.1500000	PPM
ANTHRACENE	0.0000000	--	0.0360000	PPM
BENZ(A)ANTHRACENE	0.0000000	--	0.0950000	PPM

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [x] NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. *G49* SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. *W319*

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

based on soil testing results, soil is classified as non-hazardous material. total PFAS concentration is less than 308 ug/kg.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0				☑
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5	*0.0002*			
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0	*0.0130*			
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
< 1000 PPM
>= 1000 PPM

PCBs

☑ NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON D. O. T. REGULATED, (SOIL)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY ☑ OTHER ***as needed***

☑ **CONTAINERIZED**

1-40 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***40***

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX ☑ DRUM

OTHER: DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

AOC03 Soil; AOC04 Soil analysis is applicable. Please approve as CCRK

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
Angie M. Carpenter	Angie M. Carpenter	Supervisor	9/23/2021

Addendum

D. COMPOSITION

CHEMICAL	MIN	--	MAX	UOM
BENZENE	0.0000000	--	0.0000000	PPM
BENZO(A)PYRENE	0.0000000	--	0.0350000	PPM
BENZO(B)FLUORANTHENE	0.0000000	--	0.3500000	PPM
BENZO(G,H,I)PERYLENE	0.0000000	--	0.1500000	PPM
BENZO(K)FLUORANTHENE	0.0000000	--	0.1200000	PPM
CHRYSENE	0.0000000	--	0.2500000	PPM
DIBENZ(A,H)ANTHRACENE	0.0000000	--	0.0430000	PPM
FLUORANTHENE	0.0000000	--	0.4900000	PPM
INDENO(1,2,3-CD)PYRENE	0.0000000	--	0.2000000	PPM
PENTACHLOROPHENOL	0.0000000	--	0.0890000	PPM
PERFLUOROBUTANOIC ACID (PFBA)	0.0000000	--	1.0000000	PPB
PERFLUORODECANOIC ACID (PFDA)	0.0000000	--	8.0000000	PPB
PERFLUORODODECANOIC ACID (PFDOA)		--		Trace
PERFLUOROHEPTANOIC ACID (PFHPA)	0.0000000	--	7.0000000	PPB
PERFLUOROHEXANE SULFONIC ACID (PFHXS)		--		Trace
PERFLUOROHEXANOIC ACID (PFHXA)	0.0000000	--	7.0000000	PPB
PERFLUORONONANOIC ACID (PFNA)	0.0000000	--	2.0000000	PPB
PERFLUOROOCTANE SULFONAMIDE (PFOSA)		--		Trace
PERFLUOROOCTANE SULFONIC ACID (PFOS)	0.0000000	--	4.0000000	PPB
PERFLUOROOCTANOIC ACID (PFOA)	0.0000000	--	2.0000000	PPB
PERFLUOROPENTANOIC ACID (PFPEA)	0.0000000	--	3.0000000	PPB
PERFLUOROTETRADECANOIC ACID (PFTEA)		--		Trace
PERFLUOROTRIDECANOIC ACID (PFTRDA)		--		Trace
PERFLUOROUNDECANOIC ACID (PFUDA)		--		Trace
PETROLEUM HYDROCARBONS	0.0000000	--	120.0000000	PPM
PHENANTHRENE	0.0000000	--	0.2200000	PPM
PYRENE	0.0000000	--	0.3800000	PPM
SOIL	99.0000000	--	100.0000000	%
TOLUENE	0.0000000	--	0.0010000	PPM
TOTAL ORGANIC CARBON	0.0000000	--	21000.0000000	PPM

G. DOT/TDG INFORMATION

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2166440

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # *CESQG* GENERATOR NAME: *Long Island MacArthur Airport – Town of Islip*

GENERATOR CODE (Assigned by Clean Harbors) *MA58369* CITY *Ronkonkoma* STATE/PROVINCE *NY* ZIP/POSTAL CODE *11779*

ADDRESS *100 Arrival Ave* PHONE: **(631) 478-9547**

CUSTOMER CODE (Assigned by Clean Harbors) *GER006* CUSTOMER NAME: *Arcadis*

ADDRESS *2 Huntington Quadrangle Suite 1S10* CITY *Melville* STATE/PROVINCE *NY* ZIP/POSTAL CODE *11747*

B. WASTE DESCRIPTION

WASTE DESCRIPTION: *Water containing elevated concentration of PFAS*

PROCESS GENERATING WASTE: **IDW**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- SOLID WITHOUT FREE LIQUID
- POWDER
- MONOLITHIC SOLID
- [x] LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE
- % FREE LIQUID
- % SETTLED SOLID
- % TOTAL SUSPENDED SOLID
- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS
[x] 1 2 3

% BY VOLUME (Approx.)

TOP	*0.00*
MIDDLE	*0.00*
BOTTOM	*0.00*

VISCOSITY (If liquid present)
- [x] 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR
varies

ODOR
- [x] NONE
- MILD
- STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- [x] >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- > 200 (>93)

TOTAL ORGANIC CARBON
- [x] <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- [x] > 200 (>93)

pH
- <= 2
- 2.1 - 6.9
- 7 (Neutral)
- [x] 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- [x] 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)
- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
6:2 FLUOROTELOMER SULFONIC ACID (6:2 FTSA)		--		Trace
8:2 FLUOROTELOMER SULFONIC ACID (8:2 FTSA)		--		Trace
ANTHRACENE		--		Trace
FLUORANTHENE		--		Trace
FLUORENE		--		Trace
PERFLUOROBUTANE SULFONIC ACID (PFBS)		--		Trace
PERFLUOROBUTANOIC ACID (PFBA)		--		Trace
PERFLUORODECANOIC ACID (PFDA)		--		Trace
PERFLUOROHEPTANE SULFONIC ACID (PFHPS)		--		Trace
PERFLUOROHEPTANOIC ACID (PFHPA)		--		Trace

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. *G49* SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. *W119*

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

based on testing results, water is classified as non-hazardous material. total PFAS concentration is less than 45ppb.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0				☑
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑

	VOLATILE COMPOUNDS	
D018	BENZENE	0.5
D019	CARBON TETRACHLORIDE	0.5
D021	CHLOROBENZENE	100.0
D022	CHLOROFORM	6.0
D028	1,2-DICHLOROETHANE	0.5
D029	1,1-DICHLOROETHYLENE	0.7
D035	METHYL ETHYL KETONE	200.0
D039	TETRACHLOROETHYLENE	0.7
D040	TRICHLOROETHYLENE	0.5
D043	VINYL CHLORIDE	0.2
	SEMI-VOLATILE COMPOUNDS	
D023	o-CRESOL	200.0
D024	m-CRESOL	200.0
D025	p-CRESOL	200.0
D026	CRESOL (TOTAL)	200.0
D027	1,4-DICHLOROBENZENE	7.5
D030	2,4-DINITROTOLUENE	0.13
D032	HEXACHLOROBENZENE	0.13
D033	HEXACHLOROBUTADIENE	0.5
D034	HEXACHLOROETHANE	3.0
D036	NITROBENZENE	2.0
D037	PENTACHLOROPHENOL	100.0
D038	PYRIDINE	5.0
D041	2,4,5-TRICHLOROPHENOL	400.0
D042	2,4,6-TRICHLOROPHENOL	2.0
	PESTICIDES AND HERBICIDES	
D012	ENDRIN	0.02
D013	LINDANE	0.4
D014	METHOXYCHLOR	10.0
D015	TOXAPHENE	0.5
D016	2,4-D	10.0
D017	2,4,5-TP (SILVEX)	1.0
D020	CHLORDANE	0.03
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
< 1000 PPM
>= 1000 PPM

PCBs

☑ NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON D. O. T. REGULATED, (PURGEWATER)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY ☑ OTHER ***As needed***

☑ **CONTAINERIZED**

1-40 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***40***

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX ☑ DRUM

OTHER: DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

AOC03 and AOC04 are applicable please approve as A22K

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
Angie M. Carpenter AED	Angie M. Carpenter	Supervisor	9/23/2021

Addendum

D. COMPOSITION

CHEMICAL	MIN	--	MAX	UOM
PERFLUOROHEXANE SULFONIC ACID (PFHXS)		--		Trace
PERFLUOROHEXANOIC ACID (PFHXA)		--		Trace
PERFLUORONONANOIC ACID (PFNA)		--		Trace
PERFLUOROOCTANE SULFONAMIDE (PFOSA)		--		Trace
PERFLUOROOCTANE SULFONIC ACID (PFOS)		--		Trace
PERFLUOROOCTANOIC ACID (PFOA)		--		Trace
PERFLUOROPENTANOIC ACID (PFPEA)		--		Trace
PETROLEUM HYDROCARBONS	0.0000000	--	350.0000000	PPB
PHENANTHRENE	0.0000000	--	11.0000000	PPB
PYRENE		--		Trace
TOTAL ORGANIC CARBON	0.0000000	--	1760.0000000	PPB
WATER	99.0000000	--	100.0000000	%

G. DOT/TDG INFORMATION

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2166333

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CESQG*** GENERATOR NAME: ***Long Island MacArthur Airport – Town of Islip***

GENERATOR CODE (Assigned by Clean Harbors) ***MA58369*** CITY ***Ronkonkoma*** STATE/PROVINCE ***NY*** ZIP/POSTAL CODE ***11779***

ADDRESS ***100 Arrival Ave*** PHONE: **(631) 478-9547**

CUSTOMER CODE (Assigned by Clean Harbors) ***GER006*** CUSTOMER NAME: ***Arcadis***

ADDRESS ***2 Huntington Quadrangle Suite 1S10*** CITY ***Melville*** STATE/PROVINCE ***NY*** ZIP/POSTAL CODE ***11747***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Discarded PPE***

PROCESS GENERATING WASTE: **Site Work in regards to remediation**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- [x] SOLID WITHOUT FREE LIQUID
- POWDER
- MONOLITHIC SOLID
- LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE
- % FREE LIQUID
- % SETTLED SOLID
- % TOTAL SUSPENDED SOLID
- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3

% BY VOLUME (Approx.)

TOP	***0.00***
MIDDLE	***0.00***
BOTTOM	***0.00***

VISCOSITY (If liquid present)
- 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR

Varies

ODOR
- [x] NONE
- MILD
- STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON
- [x] <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- > 200 (>93)

pH
- <= 2
- 2.1 - 6.9
- [x] 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)
- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
GLOVES	5.0000000	--	10.0000000	%
PLASTIC DEBRIS	5.0000000	--	10.0000000	%
PPE	80.0000000	--	90.0000000	%
RAGS	5.0000000	--	10.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [x] NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G49*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W002***

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Generator Knowledge

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0				☑
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑

	VOLATILE COMPOUNDS	
D018	BENZENE	0.5
D019	CARBON TETRACHLORIDE	0.5
D021	CHLOROBENZENE	100.0
D022	CHLOROFORM	6.0
D028	1,2-DICHLOROETHANE	0.5
D029	1,1-DICHLOROETHYLENE	0.7
D035	METHYL ETHYL KETONE	200.0
D039	TETRACHLOROETHYLENE	0.7
D040	TRICHLOROETHYLENE	0.5
D043	VINYL CHLORIDE	0.2
	SEMI-VOLATILE COMPOUNDS	
D023	o-CRESOL	200.0
D024	m-CRESOL	200.0
D025	p-CRESOL	200.0
D026	CRESOL (TOTAL)	200.0
D027	1,4-DICHLOROBENZENE	7.5
D030	2,4-DINITROTOLUENE	0.13
D032	HEXACHLOROBENZENE	0.13
D033	HEXACHLOROBUTADIENE	0.5
D034	HEXACHLOROETHANE	3.0
D036	NITROBENZENE	2.0
D037	PENTACHLOROPHENOL	100.0
D038	PYRIDINE	5.0
D041	2,4,5-TRICHLOROPHENOL	400.0
D042	2,4,6-TRICHLOROPHENOL	2.0
	PESTICIDES AND HERBICIDES	
D012	ENDRIN	0.02
D013	LINDANE	0.4
D014	METHOXYCHLOR	10.0
D015	TOXAPHENE	0.5
D016	2,4-D	10.0
D017	2,4,5-TP (SILVEX)	1.0
D020	CHLORDANE	0.03
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
< 1000 PPM
>= 1000 PPM

PCBs

☑ NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM SUBJECT TO THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON D.O.T. REGULATED, (PPE, GLOVES)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY ☑ OTHER ***As needed***

☑ **CONTAINERIZED**

1-2 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***210***

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX ☑ DRUM

OTHER:

DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
Angie M. Carpenter	Angie M. Carpenter	Supervisor	9/23/2021

Appendix G

CAMP Monitoring Data

Record of Community Air Monitoring (Upwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 9:18	(a)	(a)	0.019
3/10/2021 9:19	(a)	(a)	0.011
3/10/2021 9:20	(a)	(a)	0.011
3/10/2021 9:21	(a)	(a)	0.011
3/10/2021 9:22	(a)	(a)	0.01
3/10/2021 9:23	(a)	(a)	0.01
3/10/2021 9:24	(a)	(a)	0.01
3/10/2021 9:25	(a)	(a)	0.01
3/10/2021 9:26	(a)	(a)	0.01
3/10/2021 9:27	(a)	(a)	0.01
3/10/2021 9:28	(a)	(a)	0.01
3/10/2021 9:29	(a)	(a)	0.01
3/10/2021 9:30	(a)	(a)	0.01
3/10/2021 9:31	(a)	(a)	0.01
3/10/2021 9:32	(a)	(a)	0.01
3/10/2021 9:33	(a)	(a)	0.01
3/10/2021 9:34	(a)	(a)	0.01
3/10/2021 9:35	(a)	(a)	0.01
3/10/2021 9:36	(a)	(a)	0.01
3/10/2021 9:37	(a)	(a)	0.01
3/10/2021 9:38	(a)	(a)	0.01
3/10/2021 9:39	(a)	(a)	0.01
3/10/2021 9:40	(a)	(a)	0.01
3/10/2021 9:41	(a)	(a)	0.01
3/10/2021 9:42	(a)	(a)	0.009
3/10/2021 9:43	(a)	(a)	0.01
3/10/2021 9:44	(a)	(a)	0.01
3/10/2021 9:45	(a)	(a)	0.009
3/10/2021 9:46	(a)	(a)	0.01
3/10/2021 9:47	(a)	(a)	0.01
3/10/2021 9:48	(a)	(a)	0.01
3/10/2021 9:49	(a)	(a)	0.01
3/10/2021 9:50	(a)	(a)	0.009
3/10/2021 9:51	(a)	(a)	0.009
3/10/2021 9:52	(a)	(a)	0.009
3/10/2021 9:53	(a)	(a)	0.01
3/10/2021 9:54	(a)	(a)	0.01
3/10/2021 9:55	(a)	(a)	0.01
3/10/2021 9:56	(a)	(a)	0.01

Record of Community Air Monitoring (Upwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 9:57	(a)	(a)	0.01
3/10/2021 9:58	(a)	(a)	0.01
3/10/2021 9:59	(a)	(a)	0.01
3/10/2021 10:00	(a)	(a)	0.01
3/10/2021 10:01	(a)	(a)	0.01
3/10/2021 10:02	(a)	(a)	0.01
3/10/2021 10:03	(a)	(a)	0.01
3/10/2021 10:04	(a)	(a)	0.01
3/10/2021 10:05	(a)	(a)	0.01
3/10/2021 10:06	(a)	(a)	0.01
3/10/2021 10:07	(a)	(a)	0.01
3/10/2021 10:08	(a)	(a)	0.01
3/10/2021 10:09	(a)	(a)	0.014
3/10/2021 10:10	(a)	(a)	0.013
3/10/2021 10:11	(a)	(a)	0.011
3/10/2021 10:12	(a)	(a)	0.013
3/10/2021 10:13	(a)	(a)	0.011
3/10/2021 10:14	(a)	(a)	0.01
3/10/2021 10:15	(a)	(a)	0.01
3/10/2021 10:16	(a)	(a)	0.01
3/10/2021 10:17	(a)	(a)	0.01
3/10/2021 10:18	(a)	(a)	0.01
3/10/2021 10:19	(a)	(a)	0.01
3/10/2021 10:20	(a)	(a)	0.012
3/10/2021 10:21	(a)	(a)	0.011
3/10/2021 10:22	(a)	(a)	0.011
3/10/2021 10:23	(a)	(a)	0.011
3/10/2021 10:24	(a)	(a)	0.011
3/10/2021 10:25	(a)	(a)	0.011
3/10/2021 10:26	(a)	(a)	0.011
3/10/2021 10:27	(a)	(a)	0.011
3/10/2021 10:28	(a)	(a)	0.011
3/10/2021 10:29	(a)	(a)	0.011
3/10/2021 10:30	(a)	(a)	0.011
3/10/2021 10:31	(a)	(a)	0.011
3/10/2021 10:32	(a)	(a)	0.011
3/10/2021 10:33	(a)	(a)	0.011
3/10/2021 10:34	(a)	(a)	0.011
3/10/2021 10:35	(a)	(a)	0.011

Record of Community Air Monitoring (Upwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 10:36	(a)	(a)	0.011
3/10/2021 10:37	(a)	(a)	0.011
3/10/2021 10:38	(a)	(a)	0.011
3/10/2021 10:39	(a)	(a)	0.011
3/10/2021 10:40	(a)	(a)	0.011
3/10/2021 10:41	(a)	(a)	0.011
3/10/2021 10:42	(a)	(a)	0.011
3/10/2021 10:43	(a)	(a)	0.011
3/10/2021 10:44	(a)	(a)	0.012
3/10/2021 10:45	(a)	(a)	0.012
3/10/2021 10:46	(a)	(a)	0.012
3/10/2021 10:47	(a)	(a)	0.012
3/10/2021 10:48	(a)	(a)	0.012
3/10/2021 10:49	(a)	(a)	0.012
3/10/2021 10:50	(a)	(a)	0.012
3/10/2021 10:51	(a)	(a)	0.012
3/10/2021 10:52	(a)	(a)	0.012
3/10/2021 10:53	(a)	(a)	0.012
3/10/2021 10:54	0	0	0.011
3/10/2021 10:55	0	0	0.012
3/10/2021 10:56	0	0	0.012
3/10/2021 10:57	0	0	0.013
3/10/2021 10:58	0	0	0.013
3/10/2021 10:59	0	0	0.013
3/10/2021 11:00	0	0	0.012
3/10/2021 11:01	0	0	0.026
3/10/2021 11:02	0	0	0.013
3/10/2021 11:03	0	0	0.012
3/10/2021 11:04	0	0	0.012
3/10/2021 11:05	0	0	0.012
3/10/2021 11:06	0	0	0.012
3/10/2021 11:07	0	0	0.012
3/10/2021 11:08	0	0	0.012
3/10/2021 11:09	0	0	0.012
3/10/2021 11:10	0	0	0.012
3/10/2021 11:11	0	0	0.012
3/10/2021 11:12	0	0	0.012
3/10/2021 11:13	0	0	0.012
3/10/2021 11:14	0	0	0.012

Record of Community Air Monitoring (Upwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 11:15	0	0	0.012
3/10/2021 11:16	0	0	0.011
3/10/2021 11:17	0	0	0.012
3/10/2021 11:18	0	0	0.011
3/10/2021 11:19	0	0	0.012
3/10/2021 11:20	0	0	0.012
3/10/2021 11:21	0	0	0.012
3/10/2021 11:22	0	0	0.012
3/10/2021 11:23	0	0	0.011
3/10/2021 11:24	0	0	0.011
3/10/2021 11:25	0	0	0.011
3/10/2021 11:26	0	0	0.011
3/10/2021 11:27	0	0	0.011
3/10/2021 11:28	0	0	0.011
3/10/2021 11:29	0	0	0.011
3/10/2021 11:30	0	0	0.011
3/10/2021 11:31	0	0	0.011
3/10/2021 11:32	0	0	0.011
3/10/2021 11:33	0	0	0.011
3/10/2021 11:34	0	0	0.011
3/10/2021 11:35	0	0	0.011
3/10/2021 11:36	0	0	0.011
3/10/2021 11:37	0	0	0.011
3/10/2021 11:38	0	0	0.01
3/10/2021 11:39	0	0	0.01
3/10/2021 11:40	0	0	0.01
3/10/2021 11:41	0	0	0.011
3/10/2021 11:42	0	0	0.01
3/10/2021 11:43	0	0	0.011
3/10/2021 11:44	0	0	0.01
3/10/2021 11:45	0	0	0.01
3/10/2021 11:46	0	0	0.014
3/10/2021 11:47	0	0	0.012
3/10/2021 11:48	0	0	0.014
3/10/2021 11:49	0	0	0.011
3/10/2021 11:50	0	0	0.011
3/10/2021 11:51	0	0	0.011
3/10/2021 11:52	0	0	0.01
3/10/2021 11:53	0	0	0.01

Record of Community Air Monitoring (Upwind Data) - 03/10/21
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 11:54	0	0	0.011
3/10/2021 11:55	0	0	0.01
3/10/2021 11:56	0	0	0.011
3/10/2021 11:57	0	0	0.01
3/10/2021 11:58	0	0	0.01
3/10/2021 11:59	0	0	0.01
3/10/2021 12:00	0	0	0.011
3/10/2021 12:01	0	0	0.011
3/10/2021 12:02	0	0	0.011
3/10/2021 12:03	0	0	0.011
3/10/2021 12:04	0	0	0.011
3/10/2021 12:05	0	0	0.011
3/10/2021 12:06	0	0	0.01
3/10/2021 12:07	0	0	0.011
3/10/2021 12:08	0	0	0.011
3/10/2021 12:09	0	0	0.011
3/10/2021 12:10	0	0	0.011
3/10/2021 12:11	0	0	0.011
3/10/2021 12:12	0	0	0.011
3/10/2021 12:13	0	0	0.011
3/10/2021 12:14	0	0	0.011
3/10/2021 12:15	0	0	0.011
3/10/2021 12:16	0	0	0.011
3/10/2021 12:17	0	0	0.011
3/10/2021 12:18	0	0	0.011
3/10/2021 12:19	0	0	0.011
3/10/2021 12:20	0	0	0.011
3/10/2021 12:21	0	0	0.011
3/10/2021 12:22	0	0	0.011
3/10/2021 12:23	0	0	0.011
3/10/2021 12:24	0	0	0.011
3/10/2021 12:25	0	0	0.011
3/10/2021 12:26	0	0	0.011
3/10/2021 12:27	0	0	0.011
3/10/2021 12:28	0	0	0.011
3/10/2021 12:29	0	0	0.012
3/10/2021 12:30	0	0	0.011
3/10/2021 12:31	0	0	0.011
3/10/2021 12:32	0	0	0.012

Record of Community Air Monitoring (Upwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 12:33	0	0	0.011
3/10/2021 12:34	0	0	0.011
3/10/2021 12:35	0	0	0.012
3/10/2021 12:36	0	0	0.012
3/10/2021 12:37	0	0	0.012
3/10/2021 12:38	0	0	0.011
3/10/2021 12:39	0	0	0.012
3/10/2021 12:40	0	0	0.012
3/10/2021 12:41	0	0	0.011
3/10/2021 12:42	0	0	0.011
3/10/2021 12:43	0	0	0.011
3/10/2021 12:44	0	0	0.011
3/10/2021 12:45	0	0	0.011
3/10/2021 12:46	0	0	0.012
3/10/2021 12:47	0	0	0.024
3/10/2021 12:48	0	0	0.012
3/10/2021 12:49	0	0	0.011
3/10/2021 12:50	0	0	0.012
3/10/2021 12:51	0	0	0.012
3/10/2021 12:52	0	0	0.012
3/10/2021 12:53	0	0	0.011
3/10/2021 12:54	0	0	0.011
3/10/2021 12:55	0	0	0.012
3/10/2021 12:56	0	0	0.011
3/10/2021 12:57	0	0	0.011
3/10/2021 12:58	0	0	0.011
3/10/2021 12:59	0	0	0.026
3/10/2021 13:00	0	0	0.025
3/10/2021 13:01	0	0	0.011
3/10/2021 13:02	0	0	0.011
3/10/2021 13:03	0	0	0.011
3/10/2021 13:04	0	0	0.011
3/10/2021 13:05	0	0	0.011
3/10/2021 13:06	0	0	0.011
3/10/2021 13:07	0	0	0.012
3/10/2021 13:08	0	0	0.011
3/10/2021 13:09	0	0	0.012
3/10/2021 13:10	0	0	0.012
3/10/2021 13:11	0	0	0.013

Record of Community Air Monitoring (Upwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 13:12	0	0	0.011
3/10/2021 13:13	0	0	0.011
3/10/2021 13:14	0	0	0.033
3/10/2021 13:15	0	0	0.011
3/10/2021 13:16	0	0	0.011
3/10/2021 13:17	0	0	0.011
3/10/2021 13:18	0	0	0.011
3/10/2021 13:19	0	0	0.011
3/10/2021 13:20	0	0	0.011
3/10/2021 13:21	0	0	0.011
3/10/2021 13:22	0	0	0.011
3/10/2021 13:23	0	0	0.011
3/10/2021 13:24	0	0	0.011
3/10/2021 13:25	0	0	0.011
3/10/2021 13:26	0	0	0.011
3/10/2021 13:27	0	0	0.012
3/10/2021 13:28	0	0	0.012
3/10/2021 13:29	0	0	0.012
3/10/2021 13:30	0	0	0.012
3/10/2021 13:31	0	0	0.012
3/10/2021 13:32	0	0	0.012
3/10/2021 13:33	0	0	0.012
3/10/2021 13:34	0	0	0.012
3/10/2021 13:35	0	0	0.011
3/10/2021 13:36	0	0	0.012
3/10/2021 13:37	0	0	0.011
3/10/2021 13:38	0	0	0.011
3/10/2021 13:39	0	0	0.011
3/10/2021 13:40	0	0	0.012
3/10/2021 13:41	0	0	0.011
3/10/2021 13:42	0	0	0.012
3/10/2021 13:43	0	0	0.011
3/10/2021 13:44	0	0	0.011
3/10/2021 13:45	0	0	0.011
3/10/2021 13:46	0	0	0.011
3/10/2021 13:47	0	0	0.011
3/10/2021 13:48	0	0	0.011
3/10/2021 13:49	0	0	0.011
3/10/2021 13:50	0	0	0.01

Record of Community Air Monitoring (Upwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 13:51	0	0	0.011
3/10/2021 13:52	0	0	0.01
3/10/2021 13:53	0	0	0.01
3/10/2021 13:54	0	0	0.01
3/10/2021 13:55	0	0	0.011
3/10/2021 13:56	0	0	0.01
3/10/2021 13:57	0	0	0.011
3/10/2021 13:58	0	0	0.011
3/10/2021 13:59	0	0	0.011
3/10/2021 14:00	0	0	0.011
3/10/2021 14:01	0	0	0.011
3/10/2021 14:02	0	0	0.011
3/10/2021 14:03	0	0	0.011
3/10/2021 14:04	0	0	0.011
3/10/2021 14:05	0	0	0.011
3/10/2021 14:06	0	0	0.011
3/10/2021 14:07	0	0	0.011
3/10/2021 14:08	0	0	0.011
3/10/2021 14:09	0	0	0.011
3/10/2021 14:10	0	0	0.011
3/10/2021 14:11	0	0	0.011
3/10/2021 14:12	0	0	0.011
3/10/2021 14:13	0	0	0.011
3/10/2021 14:14	0	0	0.011
3/10/2021 14:15	0	0	0.011
3/10/2021 14:16	0	0	0.011
3/10/2021 14:17	0	0	0.011
3/10/2021 14:18	0	0	0.01
3/10/2021 14:19	0	0	0.011
3/10/2021 14:20	0	0	0.011
3/10/2021 14:21	0	0	0.011
3/10/2021 14:22	0	0	0.011
3/10/2021 14:23	0	0	0.011
3/10/2021 14:24	0	0	0.011
3/10/2021 14:25	0	0	0.011
3/10/2021 14:26	0	0	0.01
3/10/2021 14:27	0	0	0.01
3/10/2021 14:28	0	0	0.01
3/10/2021 14:29	0	0	0.01

Record of Community Air Monitoring (Upwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 14:30	0	0	0.01
3/10/2021 14:31	0	0	0.01
3/10/2021 14:32	0	0	0.01
3/10/2021 14:33	0	0	0.01
3/10/2021 14:34	0	0	0.01
3/10/2021 14:35	0	0	0.01
3/10/2021 14:36	0	0	0.01
3/10/2021 14:37	0	0	0.01
3/10/2021 14:38	0	0	0.01
3/10/2021 14:39	0	0	0.01
3/10/2021 14:40	0	0	0.01
3/10/2021 14:41	0	0	0.01
3/10/2021 14:42	0	0	0.01
3/10/2021 14:43	0	0	0.01
3/10/2021 14:44	0	0	0.01
3/10/2021 14:45	0	0	0.01
3/10/2021 14:46	0	0	0.01
3/10/2021 14:47	0	0	0.01
3/10/2021 14:48	0	0	0.01
3/10/2021 14:49	0	0	0.01
3/10/2021 14:50	0	0	0.009
3/10/2021 14:51	0	0	0.01
3/10/2021 14:52	0	0	0.01
3/10/2021 14:53	0	0	0.009
3/10/2021 14:54	0	0	0.009
3/10/2021 14:55	0	0	0.01
3/10/2021 14:56	0	0	0.009
3/10/2021 14:57	0	0	0.01
3/10/2021 14:58	0	0	0.009
3/10/2021 14:59	0	0	0.017
3/10/2021 15:00	0	0	0.01
3/10/2021 15:01	0	0	0.01
3/10/2021 15:02	0	0	0.01
3/10/2021 15:03	0	0	0.01
3/10/2021 15:04	0	0	0.009
3/10/2021 15:05	0	0	0.009
3/10/2021 15:06	0	0	0.01
3/10/2021 15:07	0	0	0.01
3/10/2021 15:08	0	0	0.01

Record of Community Air Monitoring (Upwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 15:09	0	0	0.009
3/10/2021 15:10	0	0	0.009
3/10/2021 15:11	0	0	0.009
3/10/2021 15:12	0	0	0.009
3/10/2021 15:13	0	0	0.009
3/10/2021 15:14	0	0	0.009
3/10/2021 15:15	0	0	0.009
3/10/2021 15:16	0	0	0.009
3/10/2021 15:17	0	0	0.009
3/10/2021 15:18	0	0	0.009
3/10/2021 15:19	0	0	0.009
3/10/2021 15:20	0	0	0.009
3/10/2021 15:21	0	0	0.009
3/10/2021 15:22	0	0	0.009
3/10/2021 15:23	0	0	0.009
3/10/2021 15:24	0	0	0.009
3/10/2021 15:25	0	0	0.009
3/10/2021 15:26	0	0	0.009
3/10/2021 15:27	0	0	0.009
3/10/2021 15:28	0	0	0.009
3/10/2021 15:29	0	0	0.009
3/10/2021 15:30	0	0	0.009
3/10/2021 15:31	0	0	0.009
3/10/2021 15:32	0	0	0.01
3/10/2021 15:33	0	0	0.009
3/10/2021 15:34	0	0	0.009
3/10/2021 15:35	0	0	0.009
3/10/2021 15:36	0	0	0.009
3/10/2021 15:37	0	0	0.009

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

Record of Community Air Monitoring (Upwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 8:40	0	(a)	0.045
3/11/2021 8:41	(a)	(a)	0.045
3/11/2021 8:42	(a)	(a)	0.045
3/11/2021 8:43	(a)	(a)	0.045
3/11/2021 8:44	(a)	(a)	0.045
3/11/2021 8:45	(a)	(a)	0.045
3/11/2021 8:46	(a)	(a)	0.045
3/11/2021 8:47	(a)	(a)	0.045
3/11/2021 8:48	(a)	(a)	0.044
3/11/2021 8:49	(a)	(a)	0.044
3/11/2021 8:50	(a)	(a)	0.045
3/11/2021 8:51	(a)	(a)	0.045
3/11/2021 8:52	(a)	(a)	0.045
3/11/2021 8:53	(a)	(a)	0.044
3/11/2021 8:54	(a)	(a)	0.044
3/11/2021 8:55	(a)	(a)	0.044
3/11/2021 8:56	(a)	(a)	0.044
3/11/2021 8:57	(a)	(a)	0.045
3/11/2021 8:58	(a)	(a)	0.045
3/11/2021 8:59	(a)	(a)	0.045
3/11/2021 9:00	(a)	(a)	0.045
3/11/2021 9:01	(a)	(a)	0.045
3/11/2021 9:02	(a)	(a)	0.045
3/11/2021 9:03	(a)	(a)	0.044
3/11/2021 9:04	(a)	(a)	0.045
3/11/2021 9:05	(a)	(a)	0.045
3/11/2021 9:06	(a)	(a)	0.044
3/11/2021 9:07	(a)	(a)	0.044
3/11/2021 9:08	(a)	(a)	0.045
3/11/2021 9:09	(a)	(a)	0.046
3/11/2021 9:10	(a)	(a)	0.045
3/11/2021 9:11	(a)	(a)	0.044
3/11/2021 9:12	(a)	(a)	0.044
3/11/2021 9:13	(a)	(a)	0.045
3/11/2021 9:14	(a)	(a)	0.045
3/11/2021 9:15	(a)	(a)	0.045
3/11/2021 9:16	(a)	(a)	0.045
3/11/2021 9:17	(a)	(a)	0.045

Record of Community Air Monitoring (Upwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 9:18	(a)	(a)	0.045
3/11/2021 9:19	(a)	(a)	0.045
3/11/2021 9:20	(a)	(a)	0.046
3/11/2021 9:21	(a)	(a)	0.046
3/11/2021 9:22	(a)	(a)	0.046
3/11/2021 9:23	(a)	(a)	0.046
3/11/2021 9:24	(a)	(a)	0.045
3/11/2021 9:25	(a)	(a)	0.046
3/11/2021 9:26	0	(a)	0.047
3/11/2021 9:27	(a)	(a)	0.046
3/11/2021 9:28	(a)	(a)	0.045
3/11/2021 9:29	(a)	(a)	0.046
3/11/2021 9:30	(a)	(a)	0.046
3/11/2021 9:31	(a)	(a)	0.046
3/11/2021 9:32	(a)	(a)	0.046
3/11/2021 9:33	(a)	(a)	0.046
3/11/2021 9:34	(a)	(a)	0.046
3/11/2021 9:35	(a)	(a)	0.046
3/11/2021 9:36	(a)	(a)	0.046
3/11/2021 9:37	(a)	(a)	0.045
3/11/2021 9:38	(a)	(a)	0.046
3/11/2021 9:39	(a)	(a)	0.046
3/11/2021 9:40	(a)	(a)	0.046
3/11/2021 9:41	(a)	(a)	0.046
3/11/2021 9:42	(a)	(a)	0.046
3/11/2021 9:43	(a)	(a)	0.046
3/11/2021 9:44	(a)	(a)	0.046
3/11/2021 9:45	(a)	(a)	0.046
3/11/2021 9:46	(a)	(a)	0.046
3/11/2021 9:47	(a)	(a)	0.046
3/11/2021 9:48	(a)	(a)	0.046
3/11/2021 9:49	(a)	(a)	0.046
3/11/2021 9:50	(a)	(a)	0.046
3/11/2021 9:51	(a)	(a)	0.046
3/11/2021 9:52	(a)	(a)	0.045
3/11/2021 9:53	(a)	(a)	0.045
3/11/2021 9:54	(a)	(a)	0.046
3/11/2021 9:55	(a)	(a)	0.046

Record of Community Air Monitoring (Upwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 9:56	(a)	(a)	0.046
3/11/2021 9:57	(a)	(a)	0.046
3/11/2021 9:58	(a)	(a)	0.045
3/11/2021 9:59	(a)	(a)	0.045
3/11/2021 10:00	(a)	(a)	0.046
3/11/2021 10:01	(a)	(a)	0.045
3/11/2021 10:02	(a)	(a)	0.046
3/11/2021 10:03	(a)	(a)	0.046
3/11/2021 10:04	(a)	(a)	0.046
3/11/2021 10:05	0	0	0.045
3/11/2021 10:06	0	0	0.045
3/11/2021 10:07	0	0	0.045
3/11/2021 10:08	0	0	0.046
3/11/2021 10:09	0	0	0.045
3/11/2021 10:10	0	0	0.046
3/11/2021 10:11	0	0	0.046
3/11/2021 10:12	0	0	0.045
3/11/2021 10:13	0	0	0.046
3/11/2021 10:14	0	0	0.046
3/11/2021 10:15	0	0	0.046
3/11/2021 10:16	0	0	0.046
3/11/2021 10:17	0	0	0.045
3/11/2021 10:18	0	0	0.046
3/11/2021 10:19	0	0	0.046
3/11/2021 10:20	0	0	0.046
3/11/2021 10:21	0	0	0.046
3/11/2021 10:22	0	0	0.047
3/11/2021 10:23	0	0	0.048
3/11/2021 10:24	0	0	0.047
3/11/2021 10:25	0	0	0.047
3/11/2021 10:26	0	0	0.047
3/11/2021 10:27	0	0	0.046
3/11/2021 10:28	0	0	0.047
3/11/2021 10:29	0	0	0.047
3/11/2021 10:30	0	0	0.048
3/11/2021 10:31	0	0	0.048
3/11/2021 10:32	0	0	0.048
3/11/2021 10:33	0	0	0.048

Record of Community Air Monitoring (Upwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 10:34	0	0	0.047
3/11/2021 10:35	0	0	0.048
3/11/2021 10:36	0	0	0.048
3/11/2021 10:37	0	0	0.047
3/11/2021 10:38	0	0	0.047
3/11/2021 10:39	0	0	0.048
3/11/2021 10:40	0	0	0.048
3/11/2021 10:41	0	0	0.048
3/11/2021 10:42	0	0	0.048
3/11/2021 10:43	0	0	0.05
3/11/2021 10:44	0	0	0.048
3/11/2021 10:45	0	0	0.048
3/11/2021 10:46	0	0	0.048
3/11/2021 10:47	0	0	0.048
3/11/2021 10:48	0	0	0.047
3/11/2021 10:49	0	0	0.048
3/11/2021 10:50	0	0	0.049
3/11/2021 10:51	0	0	0.048
3/11/2021 10:52	0	0	0.048
3/11/2021 10:53	0	0	0.048
3/11/2021 10:54	0	0	0.048
3/11/2021 10:55	0	0	0.048
3/11/2021 10:56	0	0	0.049
3/11/2021 10:57	0	0	0.049
3/11/2021 10:58	0	0	0.049
3/11/2021 10:59	0	0	0.049
3/11/2021 11:00	0	0	0.049
3/11/2021 11:01	0	0	0.049
3/11/2021 11:02	0	0	0.049
3/11/2021 11:03	0	0	0.049
3/11/2021 11:04	0	0	0.049
3/11/2021 11:05	0	0	0.049
3/11/2021 11:06	0	0	0.049
3/11/2021 11:07	0	0	0.049
3/11/2021 11:08	0	0	0.048
3/11/2021 11:09	0	0	0.049
3/11/2021 11:10	0	0	0.049
3/11/2021 11:11	0	0	0.049

Record of Community Air Monitoring (Upwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 11:12	0	0	0.049
3/11/2021 11:13	0	0	0.049
3/11/2021 11:14	0	0	0.05
3/11/2021 11:15	0	0	0.049
3/11/2021 11:16	0	0	0.05
3/11/2021 11:17	0	0	0.05
3/11/2021 11:18	0	0	0.051
3/11/2021 11:19	0	0	0.05
3/11/2021 11:20	0	0	0.05
3/11/2021 11:21	0	0	0.05
3/11/2021 11:22	0	0	0.05
3/11/2021 11:23	0	0	0.051
3/11/2021 11:24	0	0	0.049
3/11/2021 11:25	0	0	0.049
3/11/2021 11:26	0	0	0.05
3/11/2021 11:27	0	0	0.051
3/11/2021 11:28	0	0	0.05
3/11/2021 11:29	0	0	0.05
3/11/2021 11:30	0	0	0.05
3/11/2021 11:31	0	0	0.049
3/11/2021 11:32	0	0	0.05
3/11/2021 11:33	0	0	0.049
3/11/2021 11:34	0	0	0.05
3/11/2021 11:35	0	0	0.049
3/11/2021 11:36	0	0	0.051
3/11/2021 11:37	0	0	0.049
3/11/2021 11:38	0	0	0.049
3/11/2021 11:39	0	0	0.05
3/11/2021 11:40	0	0	0.049
3/11/2021 11:41	0	0	0.05
3/11/2021 11:42	0	0	0.049
3/11/2021 11:43	0	0	0.049
3/11/2021 11:44	0	0	0.049
3/11/2021 11:45	0	0	0.049
3/11/2021 11:46	0	0	0.05
3/11/2021 11:47	0	0	0.049
3/11/2021 11:48	0	0	0.049
3/11/2021 11:49	0	0	0.049

Record of Community Air Monitoring (Upwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 11:50	0	0	0.05
3/11/2021 11:51	0	0	0.05
3/11/2021 11:52	0	0	0.049
3/11/2021 11:53	0	0	0.049
3/11/2021 11:54	0	0	0.049
3/11/2021 11:55	0	0	0.05
3/11/2021 11:56	0	0	0.049
3/11/2021 11:57	0	0	0.049
3/11/2021 11:58	0	0	0.05
3/11/2021 11:59	0	0	0.05
3/11/2021 12:00	0	0	0.05
3/11/2021 12:01	0	0	0.05
3/11/2021 12:02	0	0	0.05
3/11/2021 12:03	0	0	0.05
3/11/2021 12:04	0	0	0.049
3/11/2021 12:05	0	0	0.05
3/11/2021 12:06	0	0	0.05
3/11/2021 12:07	0	0	0.051
3/11/2021 12:08	0	0	0.05
3/11/2021 12:09	0	0	0.05
3/11/2021 12:10	0	0	0.05
3/11/2021 12:11	0	0	0.05
3/11/2021 12:12	0	0	0.051
3/11/2021 12:13	0	0	0.05
3/11/2021 12:14	0	0	0.05
3/11/2021 12:15	0	0	0.05
3/11/2021 12:16	0	0	0.05
3/11/2021 12:17	0	0	0.05
3/11/2021 12:18	0	0	0.05
3/11/2021 12:19	0	0	0.05
3/11/2021 12:20	0	0	0.05
3/11/2021 12:21	0	0	0.05
3/11/2021 12:22	0	0	0.051
3/11/2021 12:23	0	0	0.05
3/11/2021 12:24	0	0	0.05
3/11/2021 12:25	0	0	0.05
3/11/2021 12:26	0	0	0.05
3/11/2021 12:27	0	0	0.05

Record of Community Air Monitoring (Upwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 12:28	0	0	0.05
3/11/2021 12:29	0	0	0.05
3/11/2021 12:30	0	0	0.05
3/11/2021 12:31	0	0	0.05
3/11/2021 12:32	0	0	0.051
3/11/2021 12:33	0	0	0.049
3/11/2021 12:34	0	0	0.05
3/11/2021 12:35	0	0	0.049
3/11/2021 12:36	0	0	0.05
3/11/2021 12:37	0	0	0.049
3/11/2021 12:38	0	0	0.05
3/11/2021 12:39	0	0	0.05
3/11/2021 12:40	0	0	0.049
3/11/2021 12:41	0	0	0.049
3/11/2021 12:42	0	0	0.049
3/11/2021 12:43	0	0	0.048
3/11/2021 12:44	0	0	0.049
3/11/2021 12:45	0	0	0.049
3/11/2021 12:46	0	0	0.049
3/11/2021 12:47	0	0	0.048
3/11/2021 12:48	0	0	0.048
3/11/2021 12:49	0	0	0.049
3/11/2021 12:50	0	0	0.048
3/11/2021 12:51	0	0	0.048
3/11/2021 12:52	0	0	0.048
3/11/2021 12:53	0	0	0.048
3/11/2021 12:54	0	0	0.048
3/11/2021 12:55	0	0	0.048
3/11/2021 12:56	0	0	0.048
3/11/2021 12:57	0	0	0.047
3/11/2021 12:58	0	0	0.048
3/11/2021 12:59	0	0	0.048
3/11/2021 13:00	0	0	0.048
3/11/2021 13:01	0	0	0.048
3/11/2021 13:02	0	0	0.048
3/11/2021 13:03	0	0	0.049
3/11/2021 13:04	0	0	0.048
3/11/2021 13:05	0	0	0.047

Record of Community Air Monitoring (Upwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 13:06	0	0	0.047
3/11/2021 13:07	0	0	0.047
3/11/2021 13:08	0	0	0.049
3/11/2021 13:09	0	0	0.049
3/11/2021 13:10	0	0	0.048
3/11/2021 13:11	0	0	0.048
3/11/2021 13:12	0	0	0.048
3/11/2021 13:13	0	0	0.048
3/11/2021 13:14	0	0	0.048
3/11/2021 13:15	0	0	0.048
3/11/2021 13:16	0	0	0.048
3/11/2021 13:17	0	0	0.047
3/11/2021 13:18	0	0	0.047
3/11/2021 13:19	0	0	0.047
3/11/2021 13:20	0	0	0.047
3/11/2021 13:21	0	0	0.047
3/11/2021 13:22	0	0	0.047
3/11/2021 13:23	0	0	0.047
3/11/2021 13:24	0	0	0.047
3/11/2021 13:25	0	0	0.047
3/11/2021 13:26	0	0	0.047
3/11/2021 13:27	0	0	0.046
3/11/2021 13:28	0	0	0.046
3/11/2021 13:29	0	0	0.046
3/11/2021 13:30	0	0	0.047
3/11/2021 13:31	0	0	0.046
3/11/2021 13:32	0	0	0.046
3/11/2021 13:33	0	0	0.046
3/11/2021 13:34	0	0	0.046
3/11/2021 13:35	0	0	0.046
3/11/2021 13:36	0	0	0.046
3/11/2021 13:37	0	0	0.046
3/11/2021 13:38	0	0	0.045
3/11/2021 13:39	0	0	0.045
3/11/2021 13:40	0	0	0.045
3/11/2021 13:41	0	0	0.045
3/11/2021 13:42	0	0	0.045
3/11/2021 13:43	0	0	0.046

Record of Community Air Monitoring (Upwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 13:44	0	0	0.045
3/11/2021 13:45	0	0	0.045
3/11/2021 13:46	0	0	0.046
3/11/2021 13:47	0	0	0.046
3/11/2021 13:48	0	0	0.045
3/11/2021 13:49	0	0	0.045
3/11/2021 13:50	0	0	0.045
3/11/2021 13:51	0	0	0.045
3/11/2021 13:52	0	0	0.045
3/11/2021 13:53	0	0	0.045
3/11/2021 13:54	0	0	0.045
3/11/2021 13:55	0	0	0.044
3/11/2021 13:56	0	0	0.044
3/11/2021 13:57	0	0	0.045
3/11/2021 13:58	0	0	0.045
3/11/2021 13:59	0	0	0.044
3/11/2021 14:00	0	0	0.044
3/11/2021 14:01	0	0	0.045
3/11/2021 14:02	0	0	0.044
3/11/2021 14:03	0	0	0.044
3/11/2021 14:04	0	0	0.044
3/11/2021 14:05	0	0	0.044
3/11/2021 14:06	0	0	0.044
3/11/2021 14:07	0	0	0.045
3/11/2021 14:08	0	0	0.043
3/11/2021 14:09	0	0	0.044
3/11/2021 14:10	0	0	0.043
3/11/2021 14:11	0	0	0.043
3/11/2021 14:12	0	0	0.043
3/11/2021 14:13	0	0	0.043
3/11/2021 14:14	0	0	0.043
3/11/2021 14:15	0	0	0.043
3/11/2021 14:16	0	0	0.043
3/11/2021 14:17	0	0	0.044
3/11/2021 14:18	0	0	0.044
3/11/2021 14:19	0	0	0.044
3/11/2021 14:20	0	0	0.045
3/11/2021 14:21	0	0	0.044

Record of Community Air Monitoring (Upwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 14:22	0	0	0.043
3/11/2021 14:23	0	0	0.044
3/11/2021 14:24	0	0	0.044
3/11/2021 14:25	0	0	0.043
3/11/2021 14:26	0	0	0.043
3/11/2021 14:27	0	0	0.043
3/11/2021 14:28	0	0	0.043
3/11/2021 14:29	0	0	0.043
3/11/2021 14:30	0	0	0.043

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

Record of Community Air Monitoring (Upwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 9:02	0	0	0.005
3/15/2021 9:03	0	0	0.005
3/15/2021 9:04	0	0	0.005
3/15/2021 9:05	0	0	0.005
3/15/2021 9:06	0	0	0.006
3/15/2021 9:07	0	0	0.005
3/15/2021 9:08	0	0	0.006
3/15/2021 9:09	0	0	0.006
3/15/2021 9:10	0	0	0.006
3/15/2021 9:11	0	0	0.006
3/15/2021 9:12	0	0	0.006
3/15/2021 9:13	0	0	0.005
3/15/2021 9:14	0	0	0.006
3/15/2021 9:15	0	0	0.005
3/15/2021 9:16	0	0	0.005
3/15/2021 9:17	0	0	0.005
3/15/2021 9:18	0	0	0.006
3/15/2021 9:19	0	0	0.006
3/15/2021 9:20	0	0	0.006
3/15/2021 9:21	0	0	0.007
3/15/2021 9:22	0	0	0.006
3/15/2021 9:23	0	0	0.005
3/15/2021 9:24	0	0	0.006
3/15/2021 9:25	0	0	0.005
3/15/2021 9:26	0	0	0.005
3/15/2021 9:27	0	0	0.005
3/15/2021 9:28	0	0	0.005
3/15/2021 9:29	0	0	0.005
3/15/2021 9:30	0	0	0.005
3/15/2021 9:31	0	0	0.005
3/15/2021 9:32	0	0	0.005
3/15/2021 9:33	0	0	0.005
3/15/2021 9:34	0	0	0.005
3/15/2021 9:35	0	0	0.005
3/15/2021 9:36	0	0	0.005
3/15/2021 9:37	0	0	0.005
3/15/2021 9:38	0	0	0.005
3/15/2021 9:39	0	0	0.006
3/15/2021 9:40	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 9:41	0	0	0.005
3/15/2021 9:42	0	0	0.005
3/15/2021 9:43	0	0	0.005
3/15/2021 9:44	0	0	0.005
3/15/2021 9:45	0	0	0.005
3/15/2021 9:46	0	0	0.005
3/15/2021 9:47	0	0	0.005
3/15/2021 9:48	0	0	0.005
3/15/2021 9:49	0	0	0.006
3/15/2021 9:50	0	0	0.007
3/15/2021 9:51	0	0	0.007
3/15/2021 9:52	0	0	0.006
3/15/2021 9:53	0	0	0.006
3/15/2021 9:54	0	0	0.005
3/15/2021 9:55	0	0	0.005
3/15/2021 9:56	0	0	0.005
3/15/2021 9:57	0	0	0.005
3/15/2021 9:58	0	0	0.006
3/15/2021 9:59	0	0	0.006
3/15/2021 10:00	0	0	0.007
3/15/2021 10:01	0	0	0.007
3/15/2021 10:02	0	0	0.005
3/15/2021 10:03	0	0	0.005
3/15/2021 10:04	0	0	0.005
3/15/2021 10:05	0	0	0.005
3/15/2021 10:06	0	0	0.005
3/15/2021 10:07	0	0	0.006
3/15/2021 10:08	0	0	0.005
3/15/2021 10:09	0	0	0.007
3/15/2021 10:10	0	0	0.007
3/15/2021 10:11	0	0	0.007
3/15/2021 10:12	0	0	0.005
3/15/2021 10:13	0	0	0.005
3/15/2021 10:14	0	0	0.005
3/15/2021 10:15	0	0	0.006
3/15/2021 10:16	0	0	0.008
3/15/2021 10:17	0	0	0.006
3/15/2021 10:18	0	0	0.005
3/15/2021 10:19	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 10:20	0	0	0.005
3/15/2021 10:21	0	0	0.005
3/15/2021 10:22	0	0	0.005
3/15/2021 10:23	0	0	0.005
3/15/2021 10:24	0	0	0.005
3/15/2021 10:25	0	0	0.005
3/15/2021 10:26	0	0	0.005
3/15/2021 10:27	0	0	0.005
3/15/2021 10:28	0	0	0.005
3/15/2021 10:29	0	0	0.005
3/15/2021 10:30	0	0	0.005
3/15/2021 10:31	0	0	0.006
3/15/2021 10:32	0	0	0.007
3/15/2021 10:33	0	0	0.006
3/15/2021 10:34	0	0	0.007
3/15/2021 10:35	0	0	0.005
3/15/2021 10:36	0	0	0.006
3/15/2021 10:37	0	0	0.005
3/15/2021 10:38	0	0	0.005
3/15/2021 10:39	0	0	0.005
3/15/2021 10:40	0	0	0.005
3/15/2021 10:41	0	0	0.005
3/15/2021 10:42	0	0	0.005
3/15/2021 10:43	0	0	0.005
3/15/2021 10:44	0	0	0.005
3/15/2021 10:45	0	0	0.006
3/15/2021 10:46	0	0	0.005
3/15/2021 10:47	0	0	0.006
3/15/2021 10:48	0	0	0.005
3/15/2021 10:49	0	0	0.005
3/15/2021 10:50	0	0	0.005
3/15/2021 10:51	0	0	0.005
3/15/2021 10:52	0	0	0.005
3/15/2021 10:53	0	0	0.004
3/15/2021 10:54	0	0	0.005
3/15/2021 10:55	0	0	0.004
3/15/2021 10:56	0	0	0.004
3/15/2021 10:57	0	0	0.005
3/15/2021 10:58	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 10:59	0	0	0.004
3/15/2021 11:00	0	0	0.004
3/15/2021 11:01	0	0	0.004
3/15/2021 11:02	0	0	0.004
3/15/2021 11:03	0	0	0.004
3/15/2021 11:04	0	0	0.004
3/15/2021 11:05	0	0	0.004
3/15/2021 11:06	0	0	0.004
3/15/2021 11:07	0	0	0.004
3/15/2021 11:08	0	0	0.004
3/15/2021 11:09	0	0	0.005
3/15/2021 11:10	0	0	0.006
3/15/2021 11:11	0	0	0.006
3/15/2021 11:12	0	0	0.005
3/15/2021 11:13	0	0	0.004
3/15/2021 11:14	0	0	0.004
3/15/2021 11:15	0	0	0.004
3/15/2021 11:16	0	0	0.004
3/15/2021 11:17	0	0	0.004
3/15/2021 11:18	0	0	0.004
3/15/2021 11:19	0	0	0.004
3/15/2021 11:20	0	0	0.004
3/15/2021 11:21	0	0	0.004
3/15/2021 11:22	0	0	0.004
3/15/2021 11:23	0	0	0.004
3/15/2021 11:24	0	0	0.004
3/15/2021 11:25	0	0	0.004
3/15/2021 11:26	0	0	0.004
3/15/2021 11:27	0	0	0.004
3/15/2021 11:28	0	0	0.004
3/15/2021 11:29	0	0	0.005
3/15/2021 11:30	0	0	0.005
3/15/2021 11:31	0	0	0.004
3/15/2021 11:32	0	0	0.005
3/15/2021 11:33	0	0	0.005
3/15/2021 11:34	0	0	0.004
3/15/2021 11:35	0	0	0.004
3/15/2021 11:36	0	0	0.004
3/15/2021 11:37	(a)	(a)	0.005

Record of Community Air Monitoring (Upwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 11:38	(a)	(a)	0.007
3/15/2021 11:39	(a)	(a)	0.005
3/15/2021 11:40	(a)	(a)	0.004
3/15/2021 11:41	(a)	(a)	0.004
3/15/2021 11:42	(a)	(a)	0.004
3/15/2021 11:43	(a)	(a)	0.004
3/15/2021 11:44	(a)	(a)	0.004
3/15/2021 11:45	(a)	(a)	0.004
3/15/2021 11:46	(a)	(a)	0.004
3/15/2021 11:47	(a)	(a)	0.004
3/15/2021 11:48	(a)	(a)	0.004
3/15/2021 11:49	(a)	(a)	0.004
3/15/2021 11:50	(a)	(a)	0.004
3/15/2021 11:51	(a)	(a)	0.004
3/15/2021 11:52	(a)	(a)	0.005
3/15/2021 11:53	(a)	(a)	0.006
3/15/2021 11:54	(a)	(a)	0.007
3/15/2021 11:55	(a)	(a)	0.006
3/15/2021 11:56	(a)	(a)	0.004
3/15/2021 11:57	(a)	(a)	0.005
3/15/2021 11:58	(a)	(a)	0.004
3/15/2021 11:59	(a)	(a)	0.004
3/15/2021 12:00	(a)	(a)	0.005
3/15/2021 12:01	(a)	(a)	0.005
3/15/2021 12:02	(a)	(a)	0.004
3/15/2021 12:03	(a)	(a)	0.004
3/15/2021 12:04	(a)	(a)	0.005
3/15/2021 12:05	(a)	(a)	0.004
3/15/2021 12:06	(a)	(a)	0.004
3/15/2021 12:07	(a)	(a)	0.004
3/15/2021 12:08	(a)	(a)	0.004
3/15/2021 12:09	(a)	(a)	0.004
3/15/2021 12:10	(a)	(a)	0.004
3/15/2021 12:11	(a)	(a)	0.004
3/15/2021 12:12	(a)	(a)	0.004
3/15/2021 12:13	(a)	(a)	0.004
3/15/2021 12:14	(a)	(a)	0.004
3/15/2021 12:15	(a)	(a)	0.005
3/15/2021 12:16	(a)	(a)	0.005

Record of Community Air Monitoring (Upwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 12:17	(a)	(a)	0.006
3/15/2021 12:18	(a)	(a)	0.005
3/15/2021 12:19	(a)	(a)	0.005
3/15/2021 12:20	(a)	(a)	0.005
3/15/2021 12:21	(a)	(a)	0.005
3/15/2021 12:22	(a)	(a)	0.005
3/15/2021 12:23	(a)	(a)	0.004
3/15/2021 12:24	(a)	(a)	0.004
3/15/2021 12:25	(a)	(a)	0.004
3/15/2021 12:26	(a)	(a)	0.004
3/15/2021 12:27	(a)	(a)	0.004
3/15/2021 12:28	(a)	(a)	0.004
3/15/2021 12:29	(a)	(a)	0.004
3/15/2021 12:30	(a)	(a)	0.004
3/15/2021 12:31	(a)	(a)	0.005
3/15/2021 12:32	(a)	(a)	0.005
3/15/2021 12:33	(a)	(a)	0.004
3/15/2021 12:34	(a)	(a)	0.004
3/15/2021 12:35	(a)	(a)	0.004
3/15/2021 12:36	(a)	(a)	0.005
3/15/2021 12:37	(a)	(a)	0.005
3/15/2021 12:38	(a)	(a)	0.004
3/15/2021 12:39	(a)	(a)	0.004
3/15/2021 12:40	(a)	(a)	0.005
3/15/2021 12:41	(a)	(a)	0.005
3/15/2021 12:42	(a)	(a)	0.005
3/15/2021 12:43	(a)	(a)	0.004
3/15/2021 12:44	(a)	(a)	0.005
3/15/2021 12:45	(a)	(a)	0.004
3/15/2021 12:46	(a)	(a)	0.004
3/15/2021 12:47	(a)	(a)	0.004
3/15/2021 12:48	(a)	(a)	0.004
3/15/2021 12:49	(a)	(a)	0.005
3/15/2021 12:50	(a)	(a)	0.005
3/15/2021 12:51	(a)	(a)	0.004
3/15/2021 12:52	(a)	(a)	0.004
3/15/2021 12:53	(a)	(a)	0.003
3/15/2021 12:54	(a)	(a)	0.003
3/15/2021 12:55	(a)	(a)	0.003

Record of Community Air Monitoring (Upwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 12:56	(a)	(a)	0.003
3/15/2021 12:57	(a)	(a)	0.003
3/15/2021 12:58	(a)	(a)	0.003
3/15/2021 12:59	(a)	(a)	0.003
3/15/2021 13:00	(a)	(a)	0.004
3/15/2021 13:01	(a)	(a)	0.004
3/15/2021 13:02	(a)	(a)	0.004
3/15/2021 13:03	(a)	(a)	0.004
3/15/2021 13:04	(a)	(a)	0.004
3/15/2021 13:05	(a)	(a)	0.004
3/15/2021 13:06	(a)	(a)	0.004
3/15/2021 13:07	(a)	(a)	0.004
3/15/2021 13:08	(a)	(a)	0.004
3/15/2021 13:09	(a)	(a)	0.004
3/15/2021 13:10	(a)	(a)	0.004
3/15/2021 13:11	(a)	(a)	0.004
3/15/2021 13:12	(a)	(a)	0.004
3/15/2021 13:13	(a)	(a)	0.004
3/15/2021 13:14	(a)	(a)	0.004
3/15/2021 13:15	(a)	(a)	0.004
3/15/2021 13:16	(a)	(a)	0.004
3/15/2021 13:17	(a)	(a)	0.004
3/15/2021 13:18	(a)	(a)	0.004
3/15/2021 13:19	(a)	(a)	0.004
3/15/2021 13:20	(a)	(a)	0.004
3/15/2021 13:21	(a)	(a)	0.004
3/15/2021 13:22	(a)	(a)	0.004
3/15/2021 13:23	(a)	(a)	0.004
3/15/2021 13:24	(a)	(a)	0.004
3/15/2021 13:25	(a)	(a)	0.004
3/15/2021 13:26	(a)	(a)	0.004
3/15/2021 13:27	(a)	(a)	0.004

Record of Community Air Monitoring (Upwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 13:28	(a)	(a)	0.004
3/15/2021 13:29	(a)	(a)	0.004
3/15/2021 13:30	(a)	(a)	0.004
3/15/2021 13:31	(a)	(a)	0.004
3/15/2021 13:32	(a)	(a)	0.004
3/15/2021 13:33	(a)	(a)	0.005
3/15/2021 13:34	(a)	(a)	0.004
3/15/2021 13:35	(a)	(a)	0.004
3/15/2021 13:36	(a)	(a)	0.004
3/15/2021 13:37	(a)	(a)	0.004
3/15/2021 13:38	(a)	(a)	0.004
3/15/2021 13:39	(a)	(a)	0.004
3/15/2021 13:40	(a)	(a)	0.004
3/15/2021 13:41	(a)	(a)	0.004
3/15/2021 13:42	(a)	(a)	0.004
3/15/2021 13:43	(a)	(a)	0.004
3/15/2021 13:44	(a)	(a)	0.004
3/15/2021 13:45	(a)	(a)	0.004
3/15/2021 13:46	(a)	(a)	0.004
3/15/2021 13:47	(a)	(a)	0.004
3/15/2021 13:48	(a)	(a)	0.004
3/15/2021 13:49	(a)	(a)	0.004
3/15/2021 13:50	(a)	(a)	0.004
3/15/2021 13:51	(a)	(a)	0.003
3/15/2021 13:52	(a)	(a)	0.004
3/15/2021 13:53	(a)	(a)	0.004
3/15/2021 13:54	(a)	(a)	0.003
3/15/2021 13:55	(a)	(a)	0.003
3/15/2021 13:56	(a)	(a)	0.004
3/15/2021 13:57	(a)	(a)	0.004
3/15/2021 13:58	(a)	(a)	0.004
3/15/2021 13:59	(a)	(a)	0.004
3/15/2021 14:00	(a)	(a)	0.004

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment failure due to freezing temperatures.

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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 7:54	0	0	0.029
3/16/2021 7:55	0.028	0.005	0.008
3/16/2021 7:56	0.018	0.002	0.008
3/16/2021 7:57	0.02	0.002	0.008
3/16/2021 7:58	0	0	0.009
3/16/2021 7:59	0	0	0.008
3/16/2021 8:00	0	0	0.007
3/16/2021 8:01	0.015	0.003	0.007
3/16/2021 8:02	0.005	0.003	0.008
3/16/2021 8:03	0.086	0.016	0.01
3/16/2021 8:04	0.011	0.007	0.007
3/16/2021 8:05	0.022	0.014	0.007
3/16/2021 8:06	0.021	0.016	0.007
3/16/2021 8:07	0.028	0.019	0.008
3/16/2021 8:08	0.033	0.025	0.012
3/16/2021 8:09	0.028	0.024	0.007
3/16/2021 8:10	0.03	0.025	0.012
3/16/2021 8:11	0.033	0.03	0.009
3/16/2021 8:12	0.035	0.032	0.007
3/16/2021 8:13	0.046	0.04	0.007
3/16/2021 8:14	0.106	0.054	0.007
3/16/2021 8:15	0.042	0.04	0.007
3/16/2021 8:16	0.048	0.042	0.009
3/16/2021 8:17	0.049	0.046	0.008
3/16/2021 8:18	0.069	0.051	0.008
3/16/2021 8:19	0.058	0.053	0.008
3/16/2021 8:20	0.074	0.058	0.008
3/16/2021 8:21	0.088	0.062	0.011
3/16/2021 8:22	0.065	0.06	0.009
3/16/2021 8:23	0.063	0.061	0.012
3/16/2021 8:24	0.067	0.064	0.012
3/16/2021 8:25	0.071	0.068	0.012
3/16/2021 8:26	0.073	0.071	0.008
3/16/2021 8:27	0.09	0.074	0.012
3/16/2021 8:28	0.077	0.074	0.01
3/16/2021 8:29	0.08	0.077	0.014
3/16/2021 8:30	0.086	0.081	0.01
3/16/2021 8:31	0.086	0.081	0.012

Record of Community Air Monitoring (Upwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 8:32	0.093	0.085	0.011
3/16/2021 8:33	0.099	0.086	0.01
3/16/2021 8:34	0.09	0.086	0.008
3/16/2021 8:35	0.211	0.117	0.008
3/16/2021 8:36	0.092	0.087	0.008
3/16/2021 8:37	0.094	0.088	0.008
3/16/2021 8:38	0.114	0.098	0.011
3/16/2021 8:39	0.11	0.097	0.009
3/16/2021 8:40	0.11	0.096	0.008
3/16/2021 8:41	0.104	0.095	0.015
3/16/2021 8:42	0.158	0.109	0.008
3/16/2021 8:43	0.101	0.098	0.007
3/16/2021 8:44	0.113	0.101	0.007
3/16/2021 8:45	0.103	0.1	0.007
3/16/2021 8:46	0.102	0.1	0.007
3/16/2021 8:47	0.106	0.102	0.01
3/16/2021 8:48	0.107	0.103	0.013
3/16/2021 8:49	0.108	0.103	0.008
3/16/2021 8:50	0.106	0.103	0.007
3/16/2021 8:51	0.21	0.12	0.007
3/16/2021 8:52	0.209	0.126	0.008
3/16/2021 8:53	0.108	0.105	0.018
3/16/2021 8:54	0.108	0.104	0.008
3/16/2021 8:55	0.111	0.105	0.011
3/16/2021 8:56	0.111	0.107	0.008
3/16/2021 8:57	0.161	0.116	0.008
3/16/2021 8:58	0.149	0.113	0.007
3/16/2021 8:59	0.137	0.118	0.007
3/16/2021 9:00	0.108	0.104	0.007
3/16/2021 9:01	0.109	0.107	0.008
3/16/2021 9:02	0.111	0.107	0.007
3/16/2021 9:03	0.191	0.133	0.007
3/16/2021 9:04	0.131	0.114	0.007
3/16/2021 9:05	0.141	0.115	0.007
3/16/2021 9:06	0.165	0.125	0.01
3/16/2021 9:07	0.114	0.11	0.01
3/16/2021 9:08	0.115	0.11	0.007
3/16/2021 9:09	0.115	0.112	0.007

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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 9:10	0.117	0.112	0.007
3/16/2021 9:11	0.114	0.11	0.007
3/16/2021 9:12	0.113	0.111	0.007
3/16/2021 9:13	0.115	0.113	0.007
3/16/2021 9:14	0.118	0.112	0.007
3/16/2021 9:15	0.116	0.111	0.007
3/16/2021 9:16	0.138	0.116	0.011
3/16/2021 9:17	0.191	0.144	0.015
3/16/2021 9:18	0.127	0.113	0.01
3/16/2021 9:19	0.115	0.111	0.008
3/16/2021 9:20	0.116	0.113	0.017
3/16/2021 9:21	0.117	0.114	0.011
3/16/2021 9:22	0.117	0.114	0.008
3/16/2021 9:23	0.118	0.114	0.007
3/16/2021 9:24	0.119	0.116	0.007
3/16/2021 9:25	0.118	0.115	0.007
3/16/2021 9:26	0.132	0.117	0.007
3/16/2021 9:27	0.219	0.147	0.007
3/16/2021 9:28	0.179	0.129	0.007
3/16/2021 9:29	0.145	0.117	0.007
3/16/2021 9:30	0.113	0.11	0.007
3/16/2021 9:31	0.155	0.12	0.007
3/16/2021 9:32	0.168	0.123	0.007
3/16/2021 9:33	0.132	0.109	0.007
3/16/2021 9:34	0.113	0.11	0.007
3/16/2021 9:35	0.117	0.113	0.007
3/16/2021 9:36	0.114	0.112	0.007
3/16/2021 9:37	0.116	0.113	0.007
3/16/2021 9:38	0.118	0.114	0.007
3/16/2021 9:39	0.113	0.111	0.007
3/16/2021 9:40	0.117	0.113	0.007
3/16/2021 9:41	0.115	0.112	0.01
3/16/2021 9:42	0.114	0.112	0.009
3/16/2021 9:43	0.114	0.112	0.008
3/16/2021 9:44	0.114	0.111	0.007
3/16/2021 9:45	0.113	0.111	0.007
3/16/2021 9:46	0.115	0.111	0.007
3/16/2021 9:47	0.114	0.111	0.007

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Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 9:48	0.114	0.111	0.007
3/16/2021 9:49	0.113	0.11	0.008
3/16/2021 9:50	0.117	0.112	0.007
3/16/2021 9:51	0.134	0.112	0.008
3/16/2021 9:52	0.133	0.113	0.008
3/16/2021 9:53	0.114	0.11	0.008
3/16/2021 9:54	0.108	0.107	0.008
3/16/2021 9:55	0.111	0.108	0.008
3/16/2021 9:56	0.114	0.111	0.008
3/16/2021 9:57	0.116	0.111	0.008
3/16/2021 9:58	0.113	0.11	0.008
3/16/2021 9:59	0.113	0.11	0.008
3/16/2021 10:00	0.114	0.112	0.009
3/16/2021 10:01	0.115	0.111	0.009
3/16/2021 10:02	0.115	0.112	0.01
3/16/2021 10:03	0.114	0.111	0.009
3/16/2021 10:04	0.116	0.113	0.009
3/16/2021 10:05	0.117	0.112	0.009
3/16/2021 10:06	0.115	0.112	0.009
3/16/2021 10:07	0.117	0.112	0.01
3/16/2021 10:08	0.113	0.111	0.01
3/16/2021 10:09	0.115	0.112	0.01
3/16/2021 10:10	0.115	0.112	0.009
3/16/2021 10:11	0.113	0.11	0.009
3/16/2021 10:12	0.113	0.109	0.009
3/16/2021 10:13	0.111	0.109	0.009
3/16/2021 10:14	0.112	0.109	0.009
3/16/2021 10:15	0.11	0.107	0.009
3/16/2021 10:16	0.111	0.109	0.018
3/16/2021 10:17	0.109	0.107	0.011
3/16/2021 10:18	0.108	0.105	0.011
3/16/2021 10:19	0.106	0.104	0.01
3/16/2021 10:20	0.107	0.104	0.01
3/16/2021 10:21	0.108	0.104	0.01
3/16/2021 10:22	0.11	0.107	0.011
3/16/2021 10:23	0.108	0.105	0.01
3/16/2021 10:24	0.107	0.105	0.01
3/16/2021 10:25	0.109	0.106	0.01

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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 10:26	0.109	0.106	0.01
3/16/2021 10:27	0.109	0.106	0.01
3/16/2021 10:28	0.108	0.105	0.01
3/16/2021 10:29	0.108	0.105	0.01
3/16/2021 10:30	0.11	0.107	0.01
3/16/2021 10:31	0.111	0.107	0.01
3/16/2021 10:32	0.108	0.106	0.009
3/16/2021 10:33	0.109	0.105	0.009
3/16/2021 10:34	0.106	0.104	0.009
3/16/2021 10:35	0.108	0.103	0.009
3/16/2021 10:36	0.109	0.105	0.009
3/16/2021 10:37	0.107	0.104	0.009
3/16/2021 10:38	0.11	0.107	0.008
3/16/2021 10:39	0.11	0.105	0.008
3/16/2021 10:40	0.107	0.105	0.007
3/16/2021 10:41	0.108	0.106	0.008
3/16/2021 10:42	0.112	0.109	0.008
3/16/2021 10:43	0.11	0.108	0.008
3/16/2021 10:44	0.115	0.112	0.008
3/16/2021 10:45	0.115	0.111	0.008
3/16/2021 10:46	0.114	0.111	0.008
3/16/2021 10:47	0.112	0.109	0.008
3/16/2021 10:48	0.115	0.113	0.009
3/16/2021 10:49	0.118	0.114	0.009
3/16/2021 10:50	0.119	0.114	0.009
3/16/2021 10:51	0.117	0.114	0.008
3/16/2021 10:52	0.116	0.114	0.009
3/16/2021 10:53	0.116	0.114	0.008
3/16/2021 10:54	0.117	0.114	0.008
3/16/2021 10:55	0.115	0.113	0.008
3/16/2021 10:56	0.117	0.114	0.008
3/16/2021 10:57	0.119	0.116	0.008
3/16/2021 10:58	0.118	0.116	0.008
3/16/2021 10:59	0.119	0.117	0.008
3/16/2021 11:00	0.12	0.118	0.008
3/16/2021 11:01	0.119	0.117	0.008
3/16/2021 11:02	0.118	0.115	0.008
3/16/2021 11:03	0.117	0.114	0.008

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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 11:04	0.118	0.116	0.008
3/16/2021 11:05	0.12	0.117	0.008
3/16/2021 11:06	0.12	0.116	0.007
3/16/2021 11:07	0.119	0.115	0.007
3/16/2021 11:08	0.12	0.116	0.007
3/16/2021 11:09	0.119	0.116	0.007
3/16/2021 11:10	0.117	0.114	0.007
3/16/2021 11:11	0.117	0.115	0.007
3/16/2021 11:12	0.122	0.117	0.007
3/16/2021 11:13	0.121	0.118	0.007
3/16/2021 11:14	0.121	0.118	0.008
3/16/2021 11:15	0.12	0.116	0.007
3/16/2021 11:16	0.121	0.117	0.007
3/16/2021 11:17	0.119	0.116	0.007
3/16/2021 11:18	0.119	0.116	0.007
3/16/2021 11:19	0.122	0.119	0.008
3/16/2021 11:20	0.121	0.117	0.007
3/16/2021 11:21	0.121	0.118	0.007
3/16/2021 11:22	0.12	0.117	0.007
3/16/2021 11:23	0.121	0.118	0.007
3/16/2021 11:24	0.121	0.117	0.007
3/16/2021 11:25	0.12	0.118	0.007
3/16/2021 11:26	0.12	0.116	0.007
3/16/2021 11:27	0.118	0.116	0.007
3/16/2021 11:28	0.117	0.115	0.007
3/16/2021 11:29	0.117	0.114	0.007
3/16/2021 11:30	0.118	0.115	0.007
3/16/2021 11:31	0.118	0.115	0.007
3/16/2021 11:32	0.121	0.118	0.007
3/16/2021 11:33	0.122	0.118	0.012
3/16/2021 11:34	0.122	0.119	0.007
3/16/2021 11:35	0.121	0.118	0.007
3/16/2021 11:36	0.121	0.118	0.006
3/16/2021 11:37	0.12	0.119	0.006
3/16/2021 11:38	0.124	0.12	0.006
3/16/2021 11:39	0.123	0.12	0.006
3/16/2021 11:40	0.122	0.119	0.006
3/16/2021 11:41	0.121	0.119	0.006

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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 11:42	0.123	0.12	0.006
3/16/2021 11:43	0.121	0.119	0.006
3/16/2021 11:44	0.135	0.121	0.006
3/16/2021 11:45	0.122	0.118	0.006
3/16/2021 11:46	0.121	0.119	0.006
3/16/2021 11:47	0.122	0.12	0.006
3/16/2021 11:48	0.126	0.123	0.006
3/16/2021 11:49	0.127	0.124	0.006
3/16/2021 11:50	0.125	0.123	0.006
3/16/2021 11:51	0.125	0.123	0.006
3/16/2021 11:52	0.128	0.125	0.007
3/16/2021 11:53	0.129	0.125	0.007
3/16/2021 11:54	0.128	0.126	0.006
3/16/2021 11:55	0.129	0.126	0.007
3/16/2021 11:56	0.129	0.126	0.006
3/16/2021 11:57	0.129	0.124	0.006
3/16/2021 11:58	0.13	0.127	0.006
3/16/2021 11:59	0.129	0.127	0.006
3/16/2021 12:00	0.13	0.126	0.006
3/16/2021 12:01	0.13	0.127	0.007
3/16/2021 12:02	0.13	0.127	0.007
3/16/2021 12:03	0.13	0.127	0.006
3/16/2021 12:04	0.128	0.126	0.006
3/16/2021 12:05	0.13	0.127	0.006
3/16/2021 12:06	0.128	0.126	0.005
3/16/2021 12:07	0.13	0.127	0.006
3/16/2021 12:08	0.13	0.127	0.005
3/16/2021 12:09	0.129	0.127	0.005
3/16/2021 12:10	0.129	0.127	0.006
3/16/2021 12:11	0.131	0.128	0.006
3/16/2021 12:12	0.13	0.128	0.006
3/16/2021 12:13	0.129	0.127	0.006
3/16/2021 12:14	0.129	0.127	0.006
3/16/2021 12:15	0.133	0.128	0.005
3/16/2021 12:16	0.131	0.128	0.006
3/16/2021 12:17	0.131	0.128	0.005
3/16/2021 12:18	0.135	0.129	0.005
3/16/2021 12:19	0.134	0.13	0.005

Record of Community Air Monitoring (Upwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 12:20	0.132	0.128	0.006
3/16/2021 12:21	0.13	0.128	0.005
3/16/2021 12:22	0.132	0.13	0.005
3/16/2021 12:23	0.131	0.129	0.006
3/16/2021 12:24	0.135	0.131	0.006
3/16/2021 12:25	0.134	0.131	0.007
3/16/2021 12:26	0.132	0.129	0.006
3/16/2021 12:27	0.131	0.129	0.006
3/16/2021 12:28	0.133	0.131	0.005

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 7:34	0	0	0	(a)
3/17/2021 7:35	0	0	0	(a)
3/17/2021 7:36	0	0	0	(a)
3/17/2021 7:37	0	0	0	(a)
3/17/2021 7:38	0	0	0	(a)
3/17/2021 7:39	0	0	0	(a)
3/17/2021 7:40	0	0	0	(a)
3/17/2021 7:41	0	0	0	(a)
3/17/2021 7:42	0	0	0	(a)
3/17/2021 7:43	0	0.001	0.005	(a)
3/17/2021 7:44	0.005	0.009	0.014	(a)
3/17/2021 7:45	0.012	0.017	0.021	(a)
3/17/2021 7:46	0.021	0.025	0.03	(a)
3/17/2021 7:47	0.029	0.031	0.035	(a)
3/17/2021 7:48	0.034	0.036	0.04	(a)
3/17/2021 7:49	0.038	0.042	0.046	(a)
3/17/2021 7:50	0.045	0.049	0.053	(a)
3/17/2021 7:51	0.052	0.054	0.058	(a)
3/17/2021 7:52	0.056	0.061	0.063	(a)
3/17/2021 7:53	0.063	0.066	0.068	(a)
3/17/2021 7:54	0.068	0.071	0.075	(a)
3/17/2021 7:55	0.073	0.076	0.08	(a)
3/17/2021 7:56	0.078	0.082	0.086	(a)
3/17/2021 7:57	0.084	0.086	0.089	(a)
3/17/2021 7:58	0.088	0.09	0.093	(a)
3/17/2021 7:59	0.092	0.095	0.098	(a)
3/17/2021 8:00	0.097	0.1	0.102	(a)
3/17/2021 8:01	0.101	0.104	0.106	(a)
3/17/2021 8:02	0.105	0.106	0.108	(a)
3/17/2021 8:03	0.108	0.11	0.114	(a)
3/17/2021 8:04	0.113	0.115	0.118	(a)
3/17/2021 8:05	0.115	0.119	0.121	(a)
3/17/2021 8:06	0.119	0.121	0.123	(a)
3/17/2021 8:07	0.123	0.126	0.128	(a)
3/17/2021 8:08	0.127	0.129	0.131	(a)
3/17/2021 8:09	0.131	0.133	0.136	(a)
3/17/2021 8:10	0.134	0.136	0.139	(a)
3/17/2021 8:11	0.136	0.138	0.141	(a)

Record of Community Air Monitoring (Upwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
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Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 8:12	0.14	0.141	0.143	(a)
3/17/2021 8:13	0.142	0.144	0.146	(a)
3/17/2021 8:14	0.145	0.147	0.15	(a)
3/17/2021 8:15	0.148	0.15	0.153	(a)
3/17/2021 8:16	0.15	0.154	0.157	(a)
3/17/2021 8:17	0.155	0.158	0.161	(a)
3/17/2021 8:18	0.159	0.162	0.184	(a)
3/17/2021 8:19	0.178	0.179	0.184	(a)
3/17/2021 8:20	0.179	0.18	0.183	(a)
3/17/2021 8:21	0.179	0.182	0.184	(a)
3/17/2021 8:22	0.181	0.183	0.187	(a)
3/17/2021 8:23	0.185	0.187	0.189	(a)
3/17/2021 8:24	0.183	0.188	0.192	(a)
3/17/2021 8:25	0.184	0.19	0.194	(a)
3/17/2021 8:26	0.184	0.191	0.194	(a)
3/17/2021 8:27	0.186	0.192	0.198	(a)
3/17/2021 8:28	0.189	0.195	0.197	(a)
3/17/2021 8:29	0.19	0.196	0.2	(a)
3/17/2021 8:30	0.196	0.198	0.201	(a)
3/17/2021 8:31	0.192	0.199	0.203	(a)
3/17/2021 8:32	0.193	0.2	0.206	(a)
3/17/2021 8:33	0.196	0.202	0.206	(a)
3/17/2021 8:34	0.201	0.204	0.206	(a)
3/17/2021 8:35	0.199	0.205	0.209	(a)
3/17/2021 8:36	0.201	0.206	0.21	(a)
3/17/2021 8:37	0.207	0.208	0.21	(a)
3/17/2021 8:38	0.205	0.209	0.212	(a)
3/17/2021 8:39	0.205	0.21	0.214	(a)
3/17/2021 8:40	0.21	0.212	0.215	(a)
3/17/2021 8:41	0.21	0.213	0.215	(a)
3/17/2021 8:42	0.213	0.214	0.216	(a)
3/17/2021 8:43	0.213	0.215	0.217	(a)
3/17/2021 8:44	0.213	0.216	0.219	(a)
3/17/2021 8:45	0.215	0.216	0.219	(a)
3/17/2021 8:46	0.216	0.217	0.219	(a)
3/17/2021 8:47	0.217	0.218	0.22	(a)
3/17/2021 8:48	0.218	0.22	0.225	(a)
3/17/2021 8:49	0.22	0.221	0.223	(a)

Record of Community Air Monitoring (Upwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 8:50	0.221	0.222	0.224	(a)
3/17/2021 8:51	0.221	0.222	0.224	(a)
3/17/2021 8:52	0.221	0.223	0.225	(a)
3/17/2021 8:53	0.222	0.223	0.226	(a)
3/17/2021 8:54	0.223	0.224	0.226	(a)
3/17/2021 8:55	0.221	0.223	0.226	(a)
3/17/2021 8:56	0.223	0.224	0.227	(a)
3/17/2021 8:57	0.223	0.225	0.227	(a)
3/17/2021 8:58	0.225	0.226	0.228	(a)
3/17/2021 8:59	0.224	0.225	0.227	(a)
3/17/2021 9:00	0.225	0.226	0.228	(a)
3/17/2021 9:01	0.226	0.228	0.23	(a)
3/17/2021 9:02	0.228	0.229	0.232	(a)
3/17/2021 9:03	0.227	0.229	0.231	(a)
3/17/2021 9:04	0.229	0.23	0.233	(a)
3/17/2021 9:05	0.231	0.233	0.236	(a)
3/17/2021 9:06	0.228	0.232	0.235	(a)
3/17/2021 9:07	0.231	0.233	0.235	(a)
3/17/2021 9:08	0.232	0.234	0.237	(a)
3/17/2021 9:09	0.232	0.233	0.235	(a)
3/17/2021 9:10	0.233	0.235	0.244	(a)
3/17/2021 9:11	0.234	0.237	0.246	(a)
3/17/2021 9:12	0.232	0.234	0.238	(a)
3/17/2021 9:13	0.232	0.234	0.237	(a)
3/17/2021 9:14	0.233	0.234	0.236	(a)
3/17/2021 9:15	0.233	0.235	0.237	(a)
3/17/2021 9:16	0.234	0.235	0.239	(a)
3/17/2021 9:17	0.234	0.236	0.238	(a)
3/17/2021 9:18	0.236	0.237	0.239	(a)
3/17/2021 9:19	0.235	0.237	0.24	(a)
3/17/2021 9:20	0.237	0.239	0.242	(a)
3/17/2021 9:21	0.239	0.241	0.244	(a)
3/17/2021 9:22	0.237	0.24	0.244	(a)
3/17/2021 9:23	0.238	0.24	0.242	(a)
3/17/2021 9:24	0.237	0.24	0.242	(a)
3/17/2021 9:25	0.24	0.242	0.244	(a)
3/17/2021 9:26	0.243	0.245	0.251	(a)
3/17/2021 9:27	0.244	0.245	0.249	(a)

Record of Community Air Monitoring (Upwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 9:28	0.243	0.245	0.248	(a)
3/17/2021 9:29	0.236	0.239	0.245	(a)
3/17/2021 9:30	0.235	0.239	0.245	(a)
3/17/2021 9:31	0.242	0.252	0.261	(a)
3/17/2021 9:32	0.246	0.257	0.263	(a)
3/17/2021 9:33	0.233	0.25	0.297	(a)
3/17/2021 9:34	0.229	0.232	0.238	(a)
3/17/2021 9:35	0.232	0.234	0.239	(a)
3/17/2021 9:36	0.233	0.234	0.238	(a)
3/17/2021 9:37	0.229	0.234	0.246	(a)
3/17/2021 9:38	0.23	0.234	0.246	(a)
3/17/2021 9:39	0.23	0.236	0.25	(a)
3/17/2021 9:40	0.229	0.236	0.257	(a)
3/17/2021 9:41	0.227	0.237	0.265	(a)
3/17/2021 9:42	0.228	0.23	0.233	(a)
3/17/2021 9:43	0.229	0.235	0.248	(a)
3/17/2021 9:44	0.229	0.237	0.266	(a)
3/17/2021 9:45	0.23	0.235	0.244	(a)
3/17/2021 9:46	0.231	0.233	0.24	(a)
3/17/2021 9:47	0.232	0.234	0.236	(a)
3/17/2021 9:48	0.234	0.235	0.238	(a)
3/17/2021 9:49	0.235	0.237	0.239	(a)
3/17/2021 9:50	0.235	0.236	0.239	(a)
3/17/2021 9:51	0.236	0.241	0.262	(a)
3/17/2021 9:52	0.235	0.25	0.294	(a)
3/17/2021 9:53	0.235	0.242	0.26	(a)
3/17/2021 9:54	0.233	0.237	0.241	(a)
3/17/2021 9:55	0.232	0.239	0.251	(a)
3/17/2021 9:56	0.232	0.243	0.267	(a)
3/17/2021 9:57	0.232	0.248	0.316	(a)
3/17/2021 9:58	0.233	0.238	0.252	(a)
3/17/2021 9:59	0.233	0.236	0.245	(a)
3/17/2021 10:00	0.234	0.236	0.238	(a)
3/17/2021 10:01	0.234	0.236	0.239	(a)
3/17/2021 10:02	0.235	0.237	0.239	(a)
3/17/2021 10:03	0.234	0.236	0.238	(a)
3/17/2021 10:04	0.235	0.236	0.238	(a)
3/17/2021 10:05	0.234	0.236	0.239	(a)

Record of Community Air Monitoring (Upwind Data) - 03/17/21
Long Island MacArthur Airport,
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 10:06	0.234	0.235	0.24	(a)
3/17/2021 10:07	0.233	0.236	0.238	(a)
3/17/2021 10:08	0.235	0.237	0.239	(a)
3/17/2021 10:09	0.235	0.237	0.242	(a)
3/17/2021 10:10	0.233	0.236	0.247	(a)
3/17/2021 10:11	0.232	0.234	0.236	(a)
3/17/2021 10:12	0.232	0.234	0.236	(a)
3/17/2021 10:13	0.234	0.239	0.262	(a)
3/17/2021 10:14	0.232	0.243	0.266	(a)
3/17/2021 10:15	0.23	0.233	0.242	(a)
3/17/2021 10:16	0.231	0.238	0.266	(a)
3/17/2021 10:17	0.225	0.258	0.313	(a)
3/17/2021 10:18	0.226	0.229	0.234	(a)
3/17/2021 10:19	0.228	0.23	0.237	(a)
3/17/2021 10:20	0.23	0.231	0.233	(a)
3/17/2021 10:21	0.23	0.231	0.234	(a)
3/17/2021 10:22	0.232	0.24	0.26	(a)
3/17/2021 10:23	0.231	0.237	0.248	(a)
3/17/2021 10:24	0.231	0.232	0.235	(a)
3/17/2021 10:25	0.227	0.232	0.247	(a)
3/17/2021 10:26	0.229	0.236	0.254	(a)
3/17/2021 10:27	0.227	0.231	0.24	(a)
3/17/2021 10:28	0.228	0.235	0.251	(a)
3/17/2021 10:29	0.225	0.227	0.23	(a)
3/17/2021 10:30	0.226	0.23	0.249	(a)
3/17/2021 10:31	0.226	0.229	0.235	(a)
3/17/2021 10:32	0.228	0.229	0.231	(a)
3/17/2021 10:33	0.226	0.228	0.23	(a)
3/17/2021 10:34	0.226	0.227	0.228	(a)
3/17/2021 10:35	0.227	0.228	0.23	(a)
3/17/2021 10:36	0.225	0.228	0.231	(a)
3/17/2021 10:37	0.225	0.227	0.231	(a)
3/17/2021 10:38	0.225	0.227	0.23	(a)
3/17/2021 10:39	0.227	0.228	0.231	(a)
3/17/2021 10:40	0.226	0.23	0.269	(a)
3/17/2021 10:41	0.226	0.239	0.275	(a)
3/17/2021 10:42	0.22	0.222	0.228	(a)
3/17/2021 10:43	0.222	0.224	0.226	(a)

Record of Community Air Monitoring (Upwind Data) - 03/17/21
Long Island MacArthur Airport,
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Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 10:44	0.224	0.226	0.228	(a)
3/17/2021 10:45	0.228	0.229	0.234	(a)
3/17/2021 10:46	0.225	0.226	0.23	(a)
3/17/2021 10:47	0.222	0.235	0.284	(a)
3/17/2021 10:48	0.22	0.223	0.228	(a)
3/17/2021 10:49	0.221	0.223	0.226	(a)
3/17/2021 10:50	0.223	0.225	0.234	(a)
3/17/2021 10:51	0.223	0.225	0.227	(a)
3/17/2021 10:52	0.222	0.223	0.226	(a)
3/17/2021 10:53	0.222	0.224	0.226	(a)
3/17/2021 10:54	0.224	0.225	0.227	(a)
3/17/2021 10:55	0.222	0.223	0.225	(a)
3/17/2021 10:56	0.223	0.225	0.233	(a)
3/17/2021 10:57	0.221	0.223	0.23	(a)
3/17/2021 10:58	0.22	0.226	0.259	(a)
3/17/2021 10:59	0.22	0.222	0.224	(a)
3/17/2021 11:00	0.221	0.221	0.223	(a)
3/17/2021 11:01	0.22	0.222	0.227	(a)
3/17/2021 11:02	0.219	0.221	0.224	(a)
3/17/2021 11:03	0.218	0.228	0.237	(a)
3/17/2021 11:04	0.217	0.219	0.23	(a)
3/17/2021 11:05	0.217	0.218	0.221	(a)
3/17/2021 11:06	0.218	0.219	0.221	(a)
3/17/2021 11:07	0.217	0.219	0.222	(a)
3/17/2021 11:08	0.216	0.224	0.25	(a)
3/17/2021 11:09	0.217	0.218	0.223	(a)
3/17/2021 11:10	0.216	0.218	0.224	(a)
3/17/2021 11:11	0.217	0.225	0.259	(a)
3/17/2021 11:12	0.212	0.227	0.273	(a)
3/17/2021 11:13	0.212	0.218	0.256	(a)
3/17/2021 11:14	0.209	0.219	0.262	(a)
3/17/2021 11:15	0.211	0.214	0.225	(a)
3/17/2021 11:16	0.214	0.215	0.217	(a)
3/17/2021 11:17	0.216	0.217	0.22	(a)
3/17/2021 11:18	0.211	0.22	0.24	(a)
3/17/2021 11:19	0.21	0.216	0.23	(a)
3/17/2021 11:20	0.209	0.215	0.23	(a)
3/17/2021 11:21	0.203	0.207	0.233	(a)

Record of Community Air Monitoring (Upwind Data) - 03/17/21
Long Island MacArthur Airport,
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Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 11:22	0.203	0.216	0.272	(a)
3/17/2021 11:23	0.202	0.205	0.224	(a)
3/17/2021 11:24	0.204	0.208	0.219	(a)
3/17/2021 11:25	0.199	0.205	0.22	(a)
3/17/2021 11:26	0.2	0.204	0.211	(a)
3/17/2021 11:27	0.201	0.203	0.209	(a)
3/17/2021 11:28	0.202	0.202	0.205	(a)
3/17/2021 11:29	0.201	0.202	0.204	(a)
3/17/2021 11:30	0.201	0.202	0.205	(a)
3/17/2021 11:31	0.201	0.202	0.203	(a)
3/17/2021 11:32	0.201	0.205	0.232	(a)
3/17/2021 11:33	0.197	0.204	0.231	(a)
3/17/2021 11:34	0.198	0.198	0.2	(a)
3/17/2021 11:35	0.197	0.202	0.219	(a)
3/17/2021 11:36	0.193	0.205	0.276	(a)
3/17/2021 11:37	0.193	0.196	0.2	(a)
3/17/2021 11:38	0.196	0.198	0.201	(a)
3/17/2021 11:39	0.197	0.2	0.204	(a)
3/17/2021 11:40	0.197	0.199	0.203	(a)
3/17/2021 11:41	0.194	0.196	0.199	(a)
3/17/2021 11:42	0.195	0.197	0.201	(a)
3/17/2021 11:43	0.195	0.196	0.199	(a)
3/17/2021 11:44	0.194	0.195	0.197	(a)
3/17/2021 11:45	0.194	0.194	0.196	(a)
3/17/2021 11:46	0.194	0.199	0.216	(a)
3/17/2021 11:47	0.192	0.194	0.199	(a)
3/17/2021 11:48	0.192	0.196	0.213	(a)
3/17/2021 11:49	0.187	0.195	0.227	(a)
3/17/2021 11:50	0.188	0.19	0.198	(a)
3/17/2021 11:51	0.192	0.199	0.218	(a)
3/17/2021 11:52	0.187	0.203	0.288	(a)
3/17/2021 11:53	0.184	0.186	0.189	(a)
3/17/2021 11:54	0.187	0.189	0.196	(a)
3/17/2021 11:55	0.185	0.193	0.222	(a)
3/17/2021 11:56	0.186	0.187	0.188	(a)
3/17/2021 11:57	0.186	0.188	0.191	(a)
3/17/2021 11:58	0.186	0.193	0.221	(a)
3/17/2021 11:59	0.183	0.19	0.234	(a)

Record of Community Air Monitoring (Upwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m^3)
3/17/2021 12:00	0.182	0.183	0.189	(a)
3/17/2021 12:01	0.182	0.183	0.185	(a)
3/17/2021 12:02	0.182	0.184	0.187	(a)
3/17/2021 12:03	0.18	0.188	0.228	(a)
3/17/2021 12:04	0.176	0.198	0.269	(a)
3/17/2021 12:05	0.176	0.179	0.181	(a)
3/17/2021 12:06	0.177	0.178	0.181	(a)
3/17/2021 12:07	0.177	0.178	0.181	(a)
3/17/2021 12:08	0.178	0.183	0.195	(a)
3/17/2021 12:09	0.173	0.176	0.184	(a)
3/17/2021 12:10	0.174	0.176	0.18	(a)
3/17/2021 12:11	0.174	0.175	0.176	(a)
3/17/2021 12:12	0.171	0.173	0.176	(a)
3/17/2021 12:13	0.171	0.172	0.174	(a)
3/17/2021 12:14	0.171	0.173	0.178	(a)
3/17/2021 12:15	0.172	0.174	0.18	(a)
3/17/2021 12:16	0.171	0.172	0.175	(a)
3/17/2021 12:17	0.172	0.174	0.176	(a)
3/17/2021 12:18	0.17	0.18	0.205	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Only VOC monitoring was performed during monitoring well development on March 17, 2021.

Record of Community Air Monitoring (Upwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 7:29	0.011	0.017	0.027	(a)
3/19/2021 7:30	0.027	0.032	0.039	(a)
3/19/2021 7:31	0.038	0.045	0.053	(a)
3/19/2021 7:32	0.05	0.056	0.062	(a)
3/19/2021 7:33	0.062	0.068	0.08	(a)
3/19/2021 7:34	0.076	0.08	0.086	(a)
3/19/2021 7:35	0.084	0.088	0.092	(a)
3/19/2021 7:36	0.091	0.098	0.106	(a)
3/19/2021 7:37	0.103	0.107	0.114	(a)
3/19/2021 7:38	0.114	0.125	0.139	(a)
3/19/2021 7:39	0.122	0.131	0.138	(a)
3/19/2021 7:40	0.135	0.138	0.144	(a)
3/19/2021 7:41	0.139	0.147	0.155	(a)
3/19/2021 7:42	0.135	0.142	0.154	(a)
3/19/2021 7:43	0.135	0.139	0.144	(a)
3/19/2021 7:44	0.137	0.142	0.147	(a)
3/19/2021 7:45	0.143	0.147	0.156	(a)
3/19/2021 7:46	0.145	0.149	0.157	(a)
3/19/2021 7:47	0.145	0.149	0.154	(a)
3/19/2021 7:48	0.147	0.152	0.162	(a)
3/19/2021 7:49	0.15	0.156	0.162	(a)
3/19/2021 7:50	0.153	0.159	0.168	(a)
3/19/2021 7:51	0.158	0.163	0.169	(a)
3/19/2021 7:52	0.162	0.167	0.174	(a)
3/19/2021 7:53	0.163	0.168	0.176	(a)
3/19/2021 7:54	0.166	0.17	0.177	(a)
3/19/2021 7:55	0.167	0.173	0.183	(a)
3/19/2021 7:56	0.172	0.175	0.179	(a)
3/19/2021 7:57	0.173	0.176	0.182	(a)
3/19/2021 7:58	0.175	0.182	0.193	(a)
3/19/2021 7:59	0.178	0.183	0.189	(a)
3/19/2021 8:00	0.178	0.183	0.191	(a)
3/19/2021 8:01	0.181	0.188	0.202	(a)
3/19/2021 8:02	0.185	0.19	0.199	(a)
3/19/2021 8:03	0.19	0.194	0.202	(a)
3/19/2021 8:04	0.187	0.196	0.21	(a)
3/19/2021 8:05	0.186	0.191	0.197	(a)
3/19/2021 8:06	0.191	0.195	0.202	(a)

Record of Community Air Monitoring (Upwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 8:07	0.19	0.197	0.205	(a)
3/19/2021 8:08	0.189	0.193	0.201	(a)
3/19/2021 8:09	0.185	0.192	0.197	(a)
3/19/2021 8:10	0.194	0.2	0.207	(a)
3/19/2021 8:11	0.193	0.2	0.209	(a)
3/19/2021 8:12	0.195	0.199	0.208	(a)
3/19/2021 8:13	0.197	0.204	0.211	(a)
3/19/2021 8:14	0.199	0.203	0.21	(a)
3/19/2021 8:15	0.198	0.202	0.208	(a)
3/19/2021 8:16	0.2	0.206	0.217	(a)
3/19/2021 8:17	0.202	0.206	0.213	(a)
3/19/2021 8:18	0.205	0.207	0.213	(a)
3/19/2021 8:19	0.205	0.21	0.216	(a)
3/19/2021 8:20	0.21	0.214	0.217	(a)
3/19/2021 8:21	0.209	0.211	0.219	(a)
3/19/2021 8:22	0.211	0.214	0.222	(a)
3/19/2021 8:23	0.206	0.212	0.218	(a)
3/19/2021 8:24	0.212	0.216	0.225	(a)
3/19/2021 8:25	0.215	0.218	0.228	(a)
3/19/2021 8:26	0.217	0.223	0.228	(a)
3/19/2021 8:27	0.222	0.23	0.24	(a)
3/19/2021 8:28	0.238	0.241	0.245	(a)
3/19/2021 8:29	0.238	0.243	0.247	(a)
3/19/2021 8:30	0.242	0.249	0.256	(a)
3/19/2021 8:31	0.247	0.253	0.259	(a)
3/19/2021 8:32	0.249	0.252	0.258	(a)
3/19/2021 8:33	0.25	0.253	0.26	(a)
3/19/2021 8:34	0.254	0.258	0.264	(a)
3/19/2021 8:35	0.251	0.255	0.261	(a)
3/19/2021 8:36	0.255	0.259	0.264	(a)
3/19/2021 8:37	0.255	0.261	0.27	(a)
3/19/2021 8:38	0.259	0.263	0.27	(a)
3/19/2021 8:39	0.26	0.262	0.272	(a)
3/19/2021 8:40	0.26	0.266	0.276	(a)
3/19/2021 8:41	0.261	0.265	0.272	(a)
3/19/2021 8:42	0.26	0.267	0.275	(a)
3/19/2021 8:43	0.262	0.265	0.271	(a)
3/19/2021 8:44	0.26	0.264	0.27	(a)

Record of Community Air Monitoring (Upwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 8:45	0.268	0.27	0.275	(a)
3/19/2021 8:46	0.264	0.271	0.279	(a)
3/19/2021 8:47	0.262	0.267	0.275	(a)
3/19/2021 8:48	0.263	0.266	0.27	(a)
3/19/2021 8:49	0.265	0.268	0.274	(a)
3/19/2021 8:50	0.263	0.265	0.268	(a)
3/19/2021 8:51	0.264	0.266	0.271	(a)
3/19/2021 8:52	0.264	0.268	0.277	(a)
3/19/2021 8:53	0.265	0.27	0.274	(a)
3/19/2021 8:54	0.258	0.264	0.276	(a)
3/19/2021 8:55	0.253	0.256	0.26	(a)
3/19/2021 8:56	0.25	0.259	0.267	(a)
3/19/2021 8:57	0.247	0.252	0.258	(a)
3/19/2021 8:58	0.245	0.252	0.259	(a)
3/19/2021 8:59	0.243	0.25	0.258	(a)
3/19/2021 9:00	0.24	0.243	0.248	(a)
3/19/2021 9:01	0.239	0.245	0.252	(a)
3/19/2021 9:02	0.237	0.242	0.247	(a)
3/19/2021 9:03	0.234	0.24	0.249	(a)
3/19/2021 9:04	0.237	0.241	0.249	(a)
3/19/2021 9:05	0.237	0.241	0.254	(a)
3/19/2021 9:06	0.237	0.242	0.248	(a)
3/19/2021 9:07	0.234	0.242	0.247	(a)
3/19/2021 9:08	0.231	0.237	0.244	(a)
3/19/2021 9:09	0.228	0.234	0.245	(a)
3/19/2021 9:10	0.232	0.236	0.244	(a)
3/19/2021 9:11	0.233	0.237	0.242	(a)
3/19/2021 9:12	0.236	0.24	0.25	(a)
3/19/2021 9:13	0.234	0.243	0.255	(a)
3/19/2021 9:14	0.233	0.236	0.244	(a)
3/19/2021 9:15	0.231	0.237	0.247	(a)
3/19/2021 9:16	0.234	0.238	0.245	(a)
3/19/2021 9:17	0.235	0.237	0.245	(a)
3/19/2021 9:18	0.236	0.24	0.248	(a)
3/19/2021 9:19	0.237	0.242	0.251	(a)
3/19/2021 9:20	0.235	0.24	0.247	(a)
3/19/2021 9:21	0.234	0.241	0.25	(a)
3/19/2021 9:22	0.238	0.242	0.248	(a)

Record of Community Air Monitoring (Upwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 9:23	0.243	0.251	0.264	(a)
3/19/2021 9:24	0.242	0.251	0.264	(a)
3/19/2021 9:25	0.232	0.24	0.25	(a)
3/19/2021 9:26	0.229	0.236	0.247	(a)
3/19/2021 9:27	0.241	0.244	0.253	(a)
3/19/2021 9:28	0.226	0.238	0.258	(a)
3/19/2021 9:29	0.216	0.224	0.231	(a)
3/19/2021 9:30	0.217	0.224	0.237	(a)
3/19/2021 9:31	0.209	0.213	0.219	(a)
3/19/2021 9:32	0.206	0.216	0.224	(a)
3/19/2021 9:33	0.206	0.212	0.221	(a)
3/19/2021 9:34	0.203	0.21	0.218	(a)
3/19/2021 9:35	0.205	0.208	0.214	(a)
3/19/2021 9:36	0.207	0.213	0.226	(a)
3/19/2021 9:37	0.204	0.21	0.221	(a)
3/19/2021 9:38	0.203	0.208	0.215	(a)
3/19/2021 9:39	0.201	0.208	0.222	(a)
3/19/2021 9:40	0.201	0.21	0.226	(a)
3/19/2021 9:41	0.206	0.218	0.23	(a)
3/19/2021 9:42	0.217	0.221	0.232	(a)
3/19/2021 9:43	0.213	0.216	0.224	(a)
3/19/2021 9:44	0.212	0.218	0.226	(a)
3/19/2021 9:45	0.207	0.215	0.224	(a)
3/19/2021 9:46	0.204	0.207	0.215	(a)
3/19/2021 9:47	0.199	0.204	0.213	(a)
3/19/2021 9:48	0.199	0.207	0.215	(a)
3/19/2021 9:49	0.202	0.205	0.211	(a)
3/19/2021 9:50	0.197	0.204	0.212	(a)
3/19/2021 9:51	0.195	0.202	0.211	(a)
3/19/2021 9:52	0.187	0.196	0.207	(a)
3/19/2021 9:53	0.188	0.192	0.2	(a)
3/19/2021 9:54	0.191	0.198	0.206	(a)
3/19/2021 9:55	0.192	0.198	0.211	(a)
3/19/2021 9:56	0.189	0.194	0.21	(a)
3/19/2021 9:57	0.186	0.19	0.196	(a)
3/19/2021 9:58	0.181	0.185	0.191	(a)
3/19/2021 9:59	0.18	0.186	0.196	(a)
3/19/2021 10:00	0.181	0.189	0.2	(a)

Record of Community Air Monitoring (Upwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 10:01	0.18	0.186	0.192	(a)
3/19/2021 10:02	0.18	0.187	0.194	(a)
3/19/2021 10:03	0.175	0.181	0.188	(a)
3/19/2021 10:04	0.178	0.182	0.186	(a)
3/19/2021 10:05	0.177	0.182	0.189	(a)
3/19/2021 10:06	0.179	0.185	0.192	(a)
3/19/2021 10:07	0.175	0.179	0.184	(a)
3/19/2021 10:08	0.175	0.182	0.19	(a)
3/19/2021 10:09	0.177	0.182	0.189	(a)
3/19/2021 10:10	0.177	0.181	0.187	(a)
3/19/2021 10:11	0.174	0.177	0.183	(a)
3/19/2021 10:12	0.176	0.179	0.186	(a)
3/19/2021 10:13	0.176	0.182	0.19	(a)
3/19/2021 10:14	0.177	0.182	0.191	(a)
3/19/2021 10:15	0.179	0.184	0.189	(a)
3/19/2021 10:16	0.174	0.182	0.191	(a)
3/19/2021 10:17	0.177	0.183	0.198	(a)
3/19/2021 10:18	0.175	0.182	0.194	(a)
3/19/2021 10:19	0.175	0.18	0.188	(a)
3/19/2021 10:20	0.175	0.179	0.186	(a)
3/19/2021 10:21	0.171	0.175	0.184	(a)
3/19/2021 10:22	0.169	0.175	0.184	(a)
3/19/2021 10:23	0.169	0.175	0.182	(a)
3/19/2021 10:24	0.171	0.183	0.192	(a)
3/19/2021 10:25	0.177	0.183	0.191	(a)
3/19/2021 10:26	0.169	0.177	0.186	(a)
3/19/2021 10:27	0.168	0.173	0.181	(a)
3/19/2021 10:28	0.171	0.176	0.185	(a)
3/19/2021 10:29	0.17	0.174	0.179	(a)
3/19/2021 10:30	0.17	0.176	0.184	(a)
3/19/2021 10:31	0.169	0.174	0.18	(a)
3/19/2021 10:32	0.169	0.172	0.179	(a)
3/19/2021 10:33	0.168	0.173	0.183	(a)
3/19/2021 10:34	0.172	0.176	0.183	(a)
3/19/2021 10:35	0.168	0.171	0.178	(a)
3/19/2021 10:36	0.167	0.174	0.18	(a)
3/19/2021 10:37	0.172	0.177	0.185	(a)
3/19/2021 10:38	0.172	0.179	0.19	(a)

Record of Community Air Monitoring (Upwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 10:39	0.169	0.174	0.182	(a)
3/19/2021 10:40	0.166	0.172	0.182	(a)
3/19/2021 10:41	0.163	0.169	0.177	(a)
3/19/2021 10:42	0.167	0.174	0.18	(a)
3/19/2021 10:43	0.161	0.165	0.171	(a)
3/19/2021 10:44	0.163	0.167	0.172	(a)
3/19/2021 10:45	0.166	0.17	0.177	(a)
3/19/2021 10:46	0.165	0.17	0.179	(a)
3/19/2021 10:47	0.162	0.167	0.173	(a)
3/19/2021 10:48	0.166	0.173	0.181	(a)
3/19/2021 10:49	0.166	0.173	0.178	(a)
3/19/2021 10:50	0.164	0.169	0.175	(a)
3/19/2021 10:51	0.165	0.17	0.182	(a)
3/19/2021 10:52	0.161	0.167	0.174	(a)
3/19/2021 10:53	0.16	0.166	0.172	(a)
3/19/2021 10:54	0.16	0.164	0.17	(a)
3/19/2021 10:55	0.159	0.164	0.17	(a)
3/19/2021 10:56	0.158	0.165	0.175	(a)
3/19/2021 10:57	0.156	0.162	0.169	(a)
3/19/2021 10:58	0.153	0.157	0.164	(a)
3/19/2021 10:59	0.15	0.154	0.162	(a)
3/19/2021 11:00	0.153	0.159	0.166	(a)
3/19/2021 11:01	0.152	0.157	0.169	(a)
3/19/2021 11:02	0.152	0.157	0.162	(a)
3/19/2021 11:03	0.151	0.155	0.159	(a)
3/19/2021 11:04	0.149	0.152	0.157	(a)
3/19/2021 11:05	0.152	0.158	0.17	(a)
3/19/2021 11:06	0.152	0.157	0.169	(a)
3/19/2021 11:07	0.156	0.161	0.167	(a)
3/19/2021 11:08	0.159	0.164	0.168	(a)
3/19/2021 11:09	0.153	0.159	0.166	(a)
3/19/2021 11:10	0.153	0.157	0.166	(a)
3/19/2021 11:11	0.15	0.155	0.162	(a)
3/19/2021 11:12	0.148	0.153	0.162	(a)
3/19/2021 11:13	0.151	0.156	0.166	(a)
3/19/2021 11:14	0.153	0.157	0.163	(a)
3/19/2021 11:15	0.152	0.157	0.163	(a)
3/19/2021 11:16	0.156	0.159	0.166	(a)

Record of Community Air Monitoring (Upwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC MIN (ppm)	VOC AVG (ppm)	VOC MAX (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 11:17	0.154	0.162	0.171	(a)
3/19/2021 11:18	0.155	0.159	0.165	(a)
3/19/2021 11:19	0.161	0.166	0.172	(a)
3/19/2021 11:20	0.156	0.16	0.17	(a)
3/19/2021 11:21	0.155	0.162	0.171	(a)
3/19/2021 11:22	0.157	0.161	0.166	(a)
3/19/2021 11:23	0.156	0.163	0.173	(a)
3/19/2021 11:24	0.154	0.161	0.17	(a)
3/19/2021 11:25	0.151	0.156	0.162	(a)
3/19/2021 11:26	0.151	0.155	0.164	(a)
3/19/2021 11:27	0.149	0.153	0.163	(a)
3/19/2021 11:28	0.15	0.154	0.162	(a)
3/19/2021 11:29	0.151	0.155	0.162	(a)
3/19/2021 11:30	0.146	0.151	0.16	(a)
3/19/2021 11:31	0.148	0.153	0.161	(a)
3/19/2021 11:32	0.15	0.154	0.161	(a)
3/19/2021 11:33	0.151	0.155	0.16	(a)
3/19/2021 11:34	0.15	0.157	0.165	(a)
3/19/2021 11:35	0.145	0.152	0.163	(a)
3/19/2021 11:36	0.15	0.154	0.158	(a)
3/19/2021 11:37	0.147	0.153	0.161	(a)
3/19/2021 11:38	0.148	0.153	0.158	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) Only VOC monitoring was performed during monitoring well development on March 19, 2021.

Record of Community Air Monitoring (Upwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 8:01	0	0	0.029
6/23/2021 8:02	0	0	0.03
6/23/2021 8:03	0	0	0.03
6/23/2021 8:04	0	0	0.032
6/23/2021 8:05	0	0	0.031
6/23/2021 8:06	0	0	0.029
6/23/2021 8:07	0	0	0.03
6/23/2021 8:08	0	0	0.03
6/23/2021 8:09	0	0	0.028
6/23/2021 8:10	0	0	0.027
6/23/2021 8:11	0	0	0.026
6/23/2021 8:12	0	0	0.025
6/23/2021 8:13	0	0	0.024
6/23/2021 8:14	0	0	0.023
6/23/2021 8:15	0	0	0.023
6/23/2021 8:16	0	0	0.023
6/23/2021 8:17	0	0	0.023
6/23/2021 8:18	0	0	0.022
6/23/2021 8:19	0	0	0.021
6/23/2021 8:20	0	0	0.019
6/23/2021 8:21	0	0	0.019
6/23/2021 8:22	0	0	0.018
6/23/2021 8:23	0	0	0.018
6/23/2021 8:24	0	0	0.018
6/23/2021 8:25	0	0	0.018
6/23/2021 8:26	0	0	0.017
6/23/2021 8:27	0	0	0.017
6/23/2021 8:28	0	0	0.016
6/23/2021 8:29	0	0	0.016
6/23/2021 8:30	0	0	0.015
6/23/2021 8:31	0	0	0.015
6/23/2021 8:32	0	0	0.015
6/23/2021 8:33	0	0	0.016
6/23/2021 8:34	0	0	0.015
6/23/2021 8:35	0	0	0.013
6/23/2021 8:36	0	0	0.012
6/23/2021 8:37	0	0	0.012
6/23/2021 8:38	0	0	0.012

Record of Community Air Monitoring (Upwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 8:39	0	0	0.012
6/23/2021 8:40	0	0	0.012
6/23/2021 8:41	0	0	0.013
6/23/2021 8:42	0	0	0.013
6/23/2021 8:43	0	0	0.013
6/23/2021 8:44	0	0	0.013
6/23/2021 8:45	0	0	0.013
6/23/2021 8:46	0	0	0.013
6/23/2021 8:47	0	0	0.012
6/23/2021 8:48	0	0	0.012
6/23/2021 8:49	0	0	0.012
6/23/2021 8:50	0	0	0.012
6/23/2021 8:51	0	0	0.012
6/23/2021 8:52	0	0	0.011
6/23/2021 8:53	0	0	0.01
6/23/2021 8:54	0	0	0.01
6/23/2021 8:55	0	0	0.01
6/23/2021 8:56	0	0	0.007
6/23/2021 8:57	0	0	0.006
6/23/2021 8:58	0	0	0.007
6/23/2021 8:59	0	0	0.006
6/23/2021 9:00	0	0	0.006
6/23/2021 9:01	0	0	0.006
6/23/2021 9:02	0	0	0.006
6/23/2021 9:03	0	0	0.006
6/23/2021 9:04	0	0	0.006
6/23/2021 9:05	0	0	0.006
6/23/2021 9:06	0	0	0.005
6/23/2021 9:07	0	0	0.005
6/23/2021 9:08	0	0	0.004
6/23/2021 9:09	0	0	0.005
6/23/2021 9:10	0	0	0.004
6/23/2021 9:11	0	0	0.004
6/23/2021 9:12	0	0	0.004
6/23/2021 9:13	0	0	0.005
6/23/2021 9:14	0	0	0.005
6/23/2021 9:15	0	0	0.004
6/23/2021 9:16	0	0	0.003

Record of Community Air Monitoring (Upwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 9:17	0	0	0.003
6/23/2021 9:18	0	0	0.003
6/23/2021 9:19	0	0	0.003
6/23/2021 9:20	0	0	0.001
6/23/2021 9:21	0	0	0.001
6/23/2021 9:22	0	0	0.001
6/23/2021 9:23	0	0	0.001
6/23/2021 9:24	0	0	0.002
6/23/2021 9:25	0	0	0.002
6/23/2021 9:26	0	0	0.002
6/23/2021 9:27	0	0	0.001
6/23/2021 9:28	0	0	0.002
6/23/2021 9:29	0	0	0.002
6/23/2021 9:30	0	0	0.001
6/23/2021 9:31	0	0	0.002
6/23/2021 9:32	0	0	0.001
6/23/2021 9:33	0	0	0.002
6/23/2021 9:34	0	0	0.004
6/23/2021 9:35	0	0	0.002
6/23/2021 9:36	1.4	0	0.001
6/23/2021 9:37	0	0	0.001
6/23/2021 9:38	0	0	0.001
6/23/2021 9:39	0	0	0
6/23/2021 9:40	0	0	0
6/23/2021 9:41	0	0	0.001
6/23/2021 9:42	0	0	0
6/23/2021 9:43	0	0	0.001
6/23/2021 9:44	0	0	0.007
6/23/2021 9:45	0	0	0
6/23/2021 9:46	0	0	0
6/23/2021 9:47	0	0	0
6/23/2021 9:48	0	0	0
6/23/2021 9:49	0	0	0
6/23/2021 9:50	0	0	0.001
6/23/2021 9:51	0	0	0
6/23/2021 9:52	0	0	0
6/23/2021 9:53	0	0	0
6/23/2021 9:54	0	0	0.001

Record of Community Air Monitoring (Upwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 9:55	0	0	0.001
6/23/2021 9:56	0	0	0
6/23/2021 9:57	0	0	0
6/23/2021 9:58	0	0	0
6/23/2021 9:59	0	0	0
6/23/2021 10:00	0	0	0
6/23/2021 10:01	0	0	0
6/23/2021 10:02	0	0	0
6/23/2021 10:03	0	0	0.001
6/23/2021 10:04	0	0	0.001
6/23/2021 10:05	0	0	0.001
6/23/2021 10:06	0	0	0
6/23/2021 10:07	0	0	0
6/23/2021 10:08	0	0	0
6/23/2021 10:09	0	0	0
6/23/2021 10:10	0	0	0
6/23/2021 10:11	0	0	0
6/23/2021 10:12	0	0	0
6/23/2021 10:13	0	0	0
6/23/2021 10:14	0	0	0
6/23/2021 10:15	0	0	0
6/23/2021 10:16	0	0	0
6/23/2021 10:17	0	0	0
6/23/2021 10:18	0	0	0
6/23/2021 10:19	0	0	0
6/23/2021 10:20	0	0	0
6/23/2021 10:21	0	0	0
6/23/2021 10:22	0	0	0
6/23/2021 10:23	0	0	0
6/23/2021 10:24	0	0	0
6/23/2021 10:25	0	0	0
6/23/2021 10:26	0	0	0
6/23/2021 10:27	0	0	0
6/23/2021 10:28	0	0	0
6/23/2021 10:29	0	0	0
6/23/2021 10:30	0	0	0
6/23/2021 10:31	0	0	0
6/23/2021 10:32	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 10:33	0	0	0
6/23/2021 10:34	0	0	0
6/23/2021 10:35	0	0	0
6/23/2021 10:36	0	0	0
6/23/2021 10:37	0	0	0
6/23/2021 10:38	0	0	0
6/23/2021 10:39	0	0	0
6/23/2021 10:40	0	0	0
6/23/2021 10:41	0	0	0
6/23/2021 10:42	0	0	0
6/23/2021 10:43	0	0	0
6/23/2021 10:44	0	0	0
6/23/2021 10:45	0	0	0
6/23/2021 10:46	0	0	0
6/23/2021 10:47	0	0	0
6/23/2021 10:48	0	0	-0.001
6/23/2021 10:49	0	0	-0.001
6/23/2021 10:50	0	0	-0.001
6/23/2021 10:51	0	0	0
6/23/2021 10:52	0	0	0
6/23/2021 10:53	0	0	-0.001
6/23/2021 10:54	0	0	-0.001
6/23/2021 10:55	0	0	-0.001
6/23/2021 10:56	0	0	-0.001
6/23/2021 10:57	0	0	-0.001
6/23/2021 10:58	0	0	-0.001
6/23/2021 10:59	0	0	0
6/23/2021 11:00	0	0	-0.001
6/23/2021 11:01	0	0	
6/23/2021 11:02	0	0	
6/23/2021 11:03	0	0	
6/23/2021 11:04	0	0	0.005
6/23/2021 11:05	0	0	0
6/23/2021 11:06	0	0	0
6/23/2021 11:07	0	0	0
6/23/2021 11:08	0	0	0
6/23/2021 11:09	0	0	0.001
6/23/2021 11:10	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 11:11	0	0	0
6/23/2021 11:12	0	0	0
6/23/2021 11:13	0	0	0
6/23/2021 11:14	0	0	0
6/23/2021 11:15	0	0	0
6/23/2021 11:16	0	0	0.001
6/23/2021 11:17	0	0	0
6/23/2021 11:18	0	0	0
6/23/2021 11:19	0	0	0
6/23/2021 11:20	0	0	0
6/23/2021 11:21	0	0	0
6/23/2021 11:22	0	0	0.001
6/23/2021 11:23	0	0	0.001
6/23/2021 11:24	0	0	0.001
6/23/2021 11:25	0	0	0
6/23/2021 11:26	0	0	0.001
6/23/2021 11:27	0	0	0.001
6/23/2021 11:28	0	0	0
6/23/2021 11:29	0	0	0
6/23/2021 11:30	0	0	0
6/23/2021 11:31	0	0	0.001
6/23/2021 11:32	0	0	0.001
6/23/2021 11:33	0	0	0.001
6/23/2021 11:34	0	0	0.001
6/23/2021 11:35	0	0	0.001
6/23/2021 11:36	0	0	0.001
6/23/2021 11:37	0	0	0.001
6/23/2021 11:38	0	0	0
6/23/2021 11:39	0	0	0
6/23/2021 11:40	0	0	0
6/23/2021 11:41	0	0	0.001
6/23/2021 11:42	0	0	0
6/23/2021 11:43	0	0	0
6/23/2021 11:44	0	0	0
6/23/2021 11:45	0	0	0
6/23/2021 11:46	0	0	0
6/23/2021 11:47	0	0	0
6/23/2021 11:48	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 11:49	0	0	0
6/23/2021 11:50	0	0	0
6/23/2021 11:51	0	0	0
6/23/2021 11:52	0	0	0
6/23/2021 11:53	0	0	0
6/23/2021 11:54	0	0	0
6/23/2021 11:55	0	0	0
6/23/2021 11:56	0	0	0
6/23/2021 11:57	0	0	0
6/23/2021 11:58	0	0	0
6/23/2021 11:59	0	0	0.009
6/23/2021 12:00	0	0	0
6/23/2021 12:01	0	0	0
6/23/2021 12:02	0	0	0
6/23/2021 12:03	0	0	0
6/23/2021 12:04	0	0	0
6/23/2021 12:05	0	0	0
6/23/2021 12:06	0	0	0
6/23/2021 12:07	0	0	0
6/23/2021 12:08	0	0	0
6/23/2021 12:09	0	0	0
6/23/2021 12:10	0	0	0
6/23/2021 12:11	0	0	0
6/23/2021 12:12	0	0	0
6/23/2021 12:13	0	0	0
6/23/2021 12:14	0	0	0
6/23/2021 12:15	0	0	0
6/23/2021 12:16	0	0	0
6/23/2021 12:17	0	0	0
6/23/2021 12:18	0	0	0
6/23/2021 12:19	0	0	0
6/23/2021 12:20	0	0	0
6/23/2021 12:21	0	0	0
6/23/2021 12:22	0	0	0
6/23/2021 12:23	0	0	0
6/23/2021 12:24	0	0	0
6/23/2021 12:25	0	0	0
6/23/2021 12:26	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 12:27	0	0	0
6/23/2021 12:28	0	0	0
6/23/2021 12:29	0	0	0
6/23/2021 12:30	0	0	0
6/23/2021 12:31	0	0	0
6/23/2021 12:32	0	0	0
6/23/2021 12:33	0	0	0
6/23/2021 12:34	0	0	0
6/23/2021 12:35	0	0	0
6/23/2021 12:36	0	0	0
6/23/2021 12:37	0	0	0
6/23/2021 12:38	0	0	0
6/23/2021 12:39	0	0	0
6/23/2021 12:40	0	0	0
6/23/2021 12:41	0	0	0
6/23/2021 12:42	0	0	0
6/23/2021 12:43	0	0	0
6/23/2021 12:44	0	0	0
6/23/2021 12:45	0	0	0
6/23/2021 12:46	0	0	0
6/23/2021 12:47	0	0	0
6/23/2021 12:48	0	0	0.008
6/23/2021 12:49	0	0	0
6/23/2021 12:50	0	0	0
6/23/2021 12:51	0	0	0
6/23/2021 12:52	0	0	0
6/23/2021 12:53	0	0	0
6/23/2021 12:54	0	0	0.001
6/23/2021 12:55	0	0	0
6/23/2021 12:56	0	0	0
6/23/2021 12:57	0	0	0
6/23/2021 12:58	0	0	0
6/23/2021 12:59	0	0	0
6/23/2021 13:00	0	0	0
6/23/2021 13:01	0	0	0
6/23/2021 13:02	0	0	0
6/23/2021 13:03	0	0	0.001
6/23/2021 13:04	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 13:05	0	0	0
6/23/2021 13:06	0	0	0
6/23/2021 13:07	0	0	0
6/23/2021 13:08	0	0	0
6/23/2021 13:09	0	0	0
6/23/2021 13:10	0	0	0
6/23/2021 13:11	0	0	0
6/23/2021 13:12	0	0	0

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 7:53	0	0	0.023
6/24/2021 7:54	0	0	0.026
6/24/2021 7:55	0	0	0.027
6/24/2021 7:56	0	0	0.025
6/24/2021 7:57	0	0	0.026
6/24/2021 7:58	0	0	0.025
6/24/2021 7:59	0	0	0.025
6/24/2021 8:00	0	0	0.024
6/24/2021 8:01	0	0	0.023
6/24/2021 8:02	0	0	0.022
6/24/2021 8:03	0	0	0.022
6/24/2021 8:04	0	0	0.021
6/24/2021 8:05	0	0	0.022
6/24/2021 8:06	0	0	0.022
6/24/2021 8:07	0	0	0.021
6/24/2021 8:08	0	0	0.018
6/24/2021 8:09	0	0	0.015
6/24/2021 8:10	0	0	0.012
6/24/2021 8:11	0	0	0.01
6/24/2021 8:12	0	0	0.011
6/24/2021 8:13	0	0	0.012
6/24/2021 8:14	0	0	0.011
6/24/2021 8:15	0	0	0.01
6/24/2021 8:16	0	0	0.006
6/24/2021 8:17	0	0	0.006
6/24/2021 8:18	0	0	0.007
6/24/2021 8:19	0	0	0.006
6/24/2021 8:20	0	0	0.005
6/24/2021 8:21	0	0	0.005
6/24/2021 8:22	0	0	0.006
6/24/2021 8:23	0	0	0.004
6/24/2021 8:24	0	0	0.003
6/24/2021 8:25	0	0	0.002
6/24/2021 8:26	0	0	0.002
6/24/2021 8:27	0	0	0.002
6/24/2021 8:28	0	0	0
6/24/2021 8:29	0	0	0
6/24/2021 8:30	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 8:31	0	0	0
6/24/2021 8:32	0	0	0
6/24/2021 8:33	0	0	0
6/24/2021 8:34	0	0	0
6/24/2021 8:35	0	0	0
6/24/2021 8:36	0	0	0
6/24/2021 8:37	0	0	0
6/24/2021 8:38	0	0	0
6/24/2021 8:39	0	0	0
6/24/2021 8:40	0	0	0
6/24/2021 8:41	0	0	0
6/24/2021 8:42	0	0	0
6/24/2021 8:43	0	0	0
6/24/2021 8:44	0	0	0
6/24/2021 8:45	0	0	0
6/24/2021 8:46	0	0	0
6/24/2021 8:47	0	0	0
6/24/2021 8:48	0	0	0
6/24/2021 8:49	0	0	0
6/24/2021 8:50	0	0	0
6/24/2021 8:51	0	0	0
6/24/2021 8:52	0	0	0
6/24/2021 8:53	0	0	0
6/24/2021 8:54	0	0	0
6/24/2021 8:55	0	0	0
6/24/2021 8:56	0	0	0
6/24/2021 8:57	0	0	0
6/24/2021 8:58	0	0	0
6/24/2021 8:59	0	0	0
6/24/2021 9:00	0	0	0
6/24/2021 9:01	0	0	0
6/24/2021 9:02	0	0	0
6/24/2021 9:03	0	0	0
6/24/2021 9:04	0	0	0
6/24/2021 9:05	0	0	0
6/24/2021 9:06	0	0	0
6/24/2021 9:07	0	0	0
6/24/2021 9:08	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 9:09	0	0	0
6/24/2021 9:10	0	0	0
6/24/2021 9:11	0	0	0
6/24/2021 9:12	0	0	0
6/24/2021 9:13	0	0	0
6/24/2021 9:14	0	0	0
6/24/2021 9:15	0	0	0
6/24/2021 9:16	0	0	0
6/24/2021 9:17	0	0	0
6/24/2021 9:18	0	0	0
6/24/2021 9:19	0	0	0
6/24/2021 9:20	0	0	0
6/24/2021 9:21	0	0	0
6/24/2021 9:22	0	0	0
6/24/2021 9:23	0	0	0
6/24/2021 9:24	0	0	0
6/24/2021 9:25	0	0	0
6/24/2021 9:26	0	0	0
6/24/2021 9:27	0	0	0
6/24/2021 9:28	0	0	0
6/24/2021 9:29	0	0	0
6/24/2021 9:30	0	0	0
6/24/2021 9:31	0	0	0
6/24/2021 9:32	0	0	0
6/24/2021 9:33	0	0	0
6/24/2021 9:34	0	0	0
6/24/2021 9:35	0	0	0
6/24/2021 9:36	0	0	0
6/24/2021 9:37	0	0	0
6/24/2021 9:38	0	0	0
6/24/2021 9:39	0	0	0
6/24/2021 9:40	0	0	0
6/24/2021 9:41	0	0	0
6/24/2021 9:42	0	0	0
6/24/2021 9:43	0	0	0
6/24/2021 9:44	0	0	0
6/24/2021 9:45	0	0	0
6/24/2021 9:46	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 9:47	0	0	0
6/24/2021 9:48	0	0	0
6/24/2021 9:49	0	0	0
6/24/2021 9:50	0	0	0
6/24/2021 9:51	0	0	0
6/24/2021 9:52	0	0	0
6/24/2021 9:53	0	0	0
6/24/2021 9:54	0	0	0
6/24/2021 9:55	0	0	0
6/24/2021 9:56	0	0	0
6/24/2021 9:57	0	0	0
6/24/2021 9:58	0	0	0
6/24/2021 9:59	0	0	0
6/24/2021 10:00	0	0	0
6/24/2021 10:01	0	0	0
6/24/2021 10:02	0	0	0
6/24/2021 10:03	0	0	0
6/24/2021 10:04	0	0	0
6/24/2021 10:05	0	0	0
6/24/2021 10:06	0	0	0
6/24/2021 10:07	0	0	0
6/24/2021 10:08	0	0	0
6/24/2021 10:09	0	0	0
6/24/2021 10:10	0	0	0
6/24/2021 10:11	0	0	0
6/24/2021 10:12	0	0	0
6/24/2021 10:13	0	0	0
6/24/2021 10:14	0	0	0
6/24/2021 10:15	0	0	0
6/24/2021 10:16	0	0	0
6/24/2021 10:17	0	0	0
6/24/2021 10:18	0	0	0
6/24/2021 10:19	0	0	0
6/24/2021 10:20	0	0	0
6/24/2021 10:21	0	0	0
6/24/2021 10:22	0	0	0
6/24/2021 10:23	0	0	0
6/24/2021 10:24	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 10:25	0	0	0
6/24/2021 10:26	0	0	0
6/24/2021 10:27	0	0	0
6/24/2021 10:28	0	0	0
6/24/2021 10:29	0	0	0
6/24/2021 10:30	0	0	0
6/24/2021 10:31	0	0	0
6/24/2021 10:32	0	0	0
6/24/2021 10:33	0	0	0
6/24/2021 10:34	0	0	0
6/24/2021 10:35	0	0	0
6/24/2021 10:36	0	0	0
6/24/2021 10:37	0	0	0
6/24/2021 10:38	0	0	0
6/24/2021 10:39	0	0	0
6/24/2021 10:40	0	0	0
6/24/2021 10:41	0	0	0
6/24/2021 10:42	0	0	0
6/24/2021 10:43	0	0	0
6/24/2021 10:44	0	0	0
6/24/2021 10:45	0	0	0
6/24/2021 10:46	0	0	0
6/24/2021 10:47	0	0	0
6/24/2021 10:48	0	0	0
6/24/2021 10:49	0	0	0
6/24/2021 10:50	0	0	0
6/24/2021 10:51	0	0	0
6/24/2021 10:52	0	0	0
6/24/2021 10:53	0	0	0
6/24/2021 10:54	0	0	0
6/24/2021 10:55	0	0	0
6/24/2021 10:56	0	0	0
6/24/2021 10:57	0	0	0
6/24/2021 10:58	0	0	0
6/24/2021 10:59	0	0	0
6/24/2021 11:00	0	0	0
6/24/2021 11:01	0	0	0
6/24/2021 11:02	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 11:03	0	0	0
6/24/2021 11:04	0	0	0
6/24/2021 11:05	0	0	0
6/24/2021 11:06	0	0	0
6/24/2021 11:07	0	0	0
6/24/2021 11:08	0	0	0
6/24/2021 11:09	0	0	0
6/24/2021 11:10	0	0	0
6/24/2021 11:11	0	0	0
6/24/2021 11:12	0	0	0
6/24/2021 11:13	0	0	0
6/24/2021 11:14	0	0	0
6/24/2021 11:15	0	0	0
6/24/2021 11:16	0	0	0
6/24/2021 11:17	0	0	0
6/24/2021 11:18	0	0	0
6/24/2021 11:19	0	0	0
6/24/2021 11:20	0	0	0
6/24/2021 11:21	0	0	0
6/24/2021 11:22	0	0	0
6/24/2021 11:23	0	0	0
6/24/2021 11:24	0	0	0
6/24/2021 11:25	0	0	0
6/24/2021 11:26	0	0	0
6/24/2021 11:27	0	0	0
6/24/2021 11:28	0	0	0
6/24/2021 11:29	0	0	0
6/24/2021 11:30	0	0	0
6/24/2021 11:31	0	0	0
6/24/2021 11:32	0	0	0
6/24/2021 11:33	0	0	0
6/24/2021 11:34	0	0	0
6/24/2021 11:35	0	0	0
6/24/2021 11:36	0	0	0
6/24/2021 11:37	0	0	0
6/24/2021 11:38	0	0	0
6/24/2021 11:39	0	0	0
6/24/2021 11:40	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 11:41	0	0	0
6/24/2021 11:42	0	0	0
6/24/2021 11:43	0	0	0
6/24/2021 11:44	0	0	0
6/24/2021 11:45	0	0	0
6/24/2021 11:46	0	0	0
6/24/2021 11:47	0	0	0
6/24/2021 11:48	0	0	0
6/24/2021 11:49	0	0	0
6/24/2021 11:50	0	0	0
6/24/2021 11:51	0	0	0
6/24/2021 11:52	0	0	0
6/24/2021 11:53	0	0	0
6/24/2021 11:54	0	0	0
6/24/2021 11:55	0	0	0
6/24/2021 11:56	0	0	0
6/24/2021 11:57	0	0	0
6/24/2021 11:58	0	0	0
6/24/2021 11:59	0	0	0
6/24/2021 12:00	0	0	0
6/24/2021 12:01	0	0	0
6/24/2021 12:02	0	0	0
6/24/2021 12:03	0	0	0
6/24/2021 12:04	0	0	0
6/24/2021 12:05	0	0	0
6/24/2021 12:06	0	0	0
6/24/2021 12:07	0	0	0
6/24/2021 12:08	0	0	0
6/24/2021 12:09	0	0	0
6/24/2021 12:10	0	0	0
6/24/2021 12:11	0	0	0
6/24/2021 12:12	0	0	0
6/24/2021 12:13	0	0	0
6/24/2021 12:14	0	0	0
6/24/2021 12:15	0	0	0
6/24/2021 12:16	0	0	0
6/24/2021 12:17	0	0	0
6/24/2021 12:18	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 12:19	0	0	0
6/24/2021 12:20	0	0	0
6/24/2021 12:21	0	0	0
6/24/2021 12:22	0	0	0
6/24/2021 12:23	0	0	0
6/24/2021 12:24	0	0	0
6/24/2021 12:25	0	0	0
6/24/2021 12:26	0	0	0
6/24/2021 12:27	0	0	0
6/24/2021 12:28	0	0	0
6/24/2021 12:29	0	0	0
6/24/2021 12:30	0	0	0
6/24/2021 12:31	0	0	0
6/24/2021 12:32	0	0	0
6/24/2021 12:33	0	0	0
6/24/2021 12:34	0	0	(a)
6/24/2021 12:35	0	0	(a)
6/24/2021 13:01	(a)	(a)	0
6/24/2021 13:02	(a)	(a)	0
6/24/2021 13:03	0	0	0
6/24/2021 13:04	0	0	0
6/24/2021 13:05	0	0	0
6/24/2021 13:06	0	0	0
6/24/2021 13:07	0	0	0
6/24/2021 13:08	0	0	0
6/24/2021 13:09	0	0	0
6/24/2021 13:10	0	0	0
6/24/2021 13:11	0	0	0
6/24/2021 13:12	0	0	0
6/24/2021 13:13	0	0	0
6/24/2021 13:14	0	0	0
6/24/2021 13:15	0	0	0
6/24/2021 13:16	0	0	0
6/24/2021 13:17	0	0	0
6/24/2021 13:18	0	0	0
6/24/2021 13:19	0	0	0
6/24/2021 13:20	0	0	0
6/24/2021 13:21	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 13:22	0	0	0
6/24/2021 13:23	0	0	0
6/24/2021 13:24	0	0	0
6/24/2021 13:25	0	0	0
6/24/2021 13:26	0	0	0
6/24/2021 13:27	0	0	0
6/24/2021 13:28	0	0	0
6/24/2021 13:29	0	0	0
6/24/2021 13:30	0	0	0
6/24/2021 13:31	0	0	0
6/24/2021 13:32	0	0	0
6/24/2021 13:33	0	0	0
6/24/2021 13:34	0	0	0
6/24/2021 13:35	0	0	0
6/24/2021 13:36	0	0	0
6/24/2021 13:37	0	0	0
6/24/2021 13:38	0	0	0
6/24/2021 13:39	0	0	0
6/24/2021 13:40	0	0	0
6/24/2021 13:41	0	0	0
6/24/2021 13:42	0	0	0
6/24/2021 13:43	0	0	0
6/24/2021 13:44	0	0	0
6/24/2021 13:45	0	0	0
6/24/2021 13:46	0	0	0
6/24/2021 13:47	0	0	0
6/24/2021 13:48	0	0	0
6/24/2021 13:49	0	0	0
6/24/2021 13:50	0	0	0
6/24/2021 13:51	0	0	0
6/24/2021 13:52	0	0	0
6/24/2021 13:53	0	0	0
6/24/2021 13:54	0	0	0
6/24/2021 13:55	0	0	0
6/24/2021 13:56	0	0	0
6/24/2021 13:57	0	0	0
6/24/2021 13:58	0	0	0
6/24/2021 13:59	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 14:00	0	0	0
6/24/2021 14:01	0	0	0
6/24/2021 14:02	0	0	0
6/24/2021 14:03	0	0	0
6/24/2021 14:04	0	0	0
6/24/2021 14:05	0	0	0
6/24/2021 14:06	0	0	0
6/24/2021 14:07	0	0	0
6/24/2021 14:08	0	0	0
6/24/2021 14:09	0	0	0
6/24/2021 14:10	0	0	0
6/24/2021 14:11	0	0	0
6/24/2021 14:12	0	0	0
6/24/2021 14:13	0	0	0
6/24/2021 14:14	0	0	0
6/24/2021 14:15	0	0	0
6/24/2021 14:16	0	0	0
6/24/2021 14:17	0	0	0
6/24/2021 14:18	0	0	0
6/24/2021 14:19	0	0	0
6/24/2021 14:20	0	0	0
6/24/2021 14:21	0	0	0
6/24/2021 14:22	0	0	0
6/24/2021 14:23	0	0	0
6/24/2021 14:24	0	0	0
6/24/2021 14:25	0	0	0
6/24/2021 14:26	0	0	0
6/24/2021 14:27	0	0	0
6/24/2021 14:28	0	0	0
6/24/2021 14:29	0	0	0
6/24/2021 14:30	0	0	0
6/24/2021 14:31	0	0	0
6/24/2021 14:32	0	0	0
6/24/2021 14:33	0	0	0
6/24/2021 14:34	0	0	0
6/24/2021 14:35	0	0	0
6/24/2021 14:36	0	0	0
6/24/2021 14:37	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 14:38	0	0	0
6/24/2021 14:39	0	0	0
6/24/2021 14:40	0	0	0
6/24/2021 14:41	0	0	0
6/24/2021 14:42	0	0	0
6/24/2021 14:43	0	0	0
6/24/2021 14:44	0	0	0
6/24/2021 14:45	0	0	0
6/24/2021 14:46	0	0	0
6/24/2021 14:47	0	0	0
6/24/2021 14:48	0	0	0
6/24/2021 14:49	0	0	0
6/24/2021 14:50	0	0	0
6/24/2021 14:51	0	0	0
6/24/2021 14:52	0	0	0
6/24/2021 14:53	0	0	0
6/24/2021 14:54	0	0	0
6/24/2021 14:55	0	0	0
6/24/2021 14:56	0	0	0
6/24/2021 14:57	0	0	0

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

Record of Community Air Monitoring (Upwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 7:40	0	0	0.009
6/25/2021 7:41	0	0	0.015
6/25/2021 7:42	0	0	0.021
6/25/2021 7:43	0	0	0.024
6/25/2021 7:44	0	0	0.024
6/25/2021 7:45	0	0	0.023
6/25/2021 7:46	0	0	0.047
6/25/2021 7:47	0	0	0.028
6/25/2021 7:48	0	0	0.025
6/25/2021 7:49	0	0	0.026
6/25/2021 7:50	0	0	0.031
6/25/2021 7:51	0	0	0.028
6/25/2021 7:52	0	0	0.026
6/25/2021 7:53	0	0	0.026
6/25/2021 7:54	0	0	0.026
6/25/2021 7:55	0	0	0.027
6/25/2021 7:56	0	0	0.026
6/25/2021 7:57	0	0	0.026
6/25/2021 7:58	0	0	0.025
6/25/2021 7:59	0	0	0.025
6/25/2021 8:00	0	0	0.025
6/25/2021 8:01	0	0	0.026
6/25/2021 8:02	0	0	0.029
6/25/2021 8:03	0	0	0.03
6/25/2021 8:04	0	0	0.028
6/25/2021 8:05	0	0	0.027
6/25/2021 8:06	0	0	0.034
6/25/2021 8:07	0	0	0.027
6/25/2021 8:08	0	0	0.027
6/25/2021 8:09	0	0	0.027
6/25/2021 8:10	0	0	0.026
6/25/2021 8:11	0	0	0.025
6/25/2021 8:12	0	0	0.025
6/25/2021 8:13	0	0	0.025
6/25/2021 8:14	0	0	0.026
6/25/2021 8:15	0	0	0.027
6/25/2021 8:16	0	0	0.025
6/25/2021 8:17	0	0	0.024

Record of Community Air Monitoring (Upwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 8:18	0	0	0.024
6/25/2021 8:19	0	0	0.025
6/25/2021 8:20	0	0	0.024
6/25/2021 8:21	0	0	0.024
6/25/2021 8:22	0	0	0.024
6/25/2021 8:23	0	0	0.025
6/25/2021 8:24	0	0	0.025
6/25/2021 8:25	0	0	0.025
6/25/2021 8:26	0	0	0.024
6/25/2021 8:27	0	0	0.026
6/25/2021 8:28	0	0	0.025
6/25/2021 8:29	0	0	0.026
6/25/2021 8:30	0	0	0.026
6/25/2021 8:31	0	0	0.026
6/25/2021 8:32	0	0	0.027
6/25/2021 8:33	0	0	0.028
6/25/2021 8:34	0	0	0.03
6/25/2021 8:35	0	0	0.025
6/25/2021 8:36	0	0	0.024
6/25/2021 8:37	0	0	0.026
6/25/2021 8:38	0	0	0.026
6/25/2021 8:39	0	0	0.025
6/25/2021 8:40	0	0	0.025
6/25/2021 8:41	0	0	0.024
6/25/2021 8:42	0	0	0.024
6/25/2021 8:43	0	0	0.025
6/25/2021 8:44	0	0	0.024
6/25/2021 8:45	0	0	0.025
6/25/2021 8:46	0	0	0.026
6/25/2021 8:47	0	0	0.023
6/25/2021 8:48	0	0	0.023
6/25/2021 8:49	0	0	0.024
6/25/2021 8:50	0	0	0.025
6/25/2021 8:51	0	0	0.026
6/25/2021 8:52	0	0	0.025
6/25/2021 8:53	0	0	0.025
6/25/2021 8:54	0	0	0.028
6/25/2021 8:55	0	0	0.024

Record of Community Air Monitoring (Upwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 8:56	0	0	0.025
6/25/2021 8:57	0	0	0.025
6/25/2021 8:58	0	0	0.025
6/25/2021 8:59	0	0	0.027
6/25/2021 9:00	0	0	0.025
6/25/2021 9:01	0	0	0.024
6/25/2021 9:02	0	0	0.023
6/25/2021 9:03	0	0	0.023
6/25/2021 9:04	0	0	0.024
6/25/2021 9:05	0	0	0.024
6/25/2021 9:06	0	0	0.024
6/25/2021 9:07	0	0	0.024
6/25/2021 9:08	0	0	0.023
6/25/2021 9:09	0	0	0.023
6/25/2021 9:10	0	0	0.023
6/25/2021 9:11	0	0	0.023
6/25/2021 9:12	0	0	0.023
6/25/2021 9:13	0	0	0.023
6/25/2021 9:14	0	0	0.023
6/25/2021 9:15	0	0	0.023
6/25/2021 9:16	0	0	0.023
6/25/2021 9:17	0	0	0.023
6/25/2021 9:18	0	0	0.025
6/25/2021 9:19	0	0	0.023
6/25/2021 9:20	0	0	0.024
6/25/2021 9:21	0	0	0.025
6/25/2021 9:22	0	0	0.024
6/25/2021 9:23	0	0	0.025
6/25/2021 9:24	0	0	0.024
6/25/2021 9:25	0	0	0.023
6/25/2021 9:26	0	0	0.023
6/25/2021 9:27	0	0	0.023
6/25/2021 9:28	0	0	0.022
6/25/2021 9:29	0	0	0.023
6/25/2021 9:30	0	0	0.024
6/25/2021 9:31	0	0	0.024
6/25/2021 9:32	0	0	0.024
6/25/2021 9:33	0	0	0.023

Record of Community Air Monitoring (Upwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 9:34	0	0	0.023
6/25/2021 9:35	0	0	0.023
6/25/2021 9:36	0	0	0.024
6/25/2021 9:37	0	0	0.023
6/25/2021 9:38	0	0	0.022
6/25/2021 9:39	0	0	0.021
6/25/2021 9:40	0	0	0.022
6/25/2021 9:41	0	0	0.033
6/25/2021 9:42	0	0	0.022
6/25/2021 9:43	0	0	0.022
6/25/2021 9:44	0	0	0.022
6/25/2021 9:45	0	0	0.023
6/25/2021 9:46	0	0	0.026
6/25/2021 9:47	0	0	0.023
6/25/2021 9:48	0	0	0.023
6/25/2021 9:49	0	0	0.023
6/25/2021 9:50	0	0	0.021
6/25/2021 9:51	0	0	0.021
6/25/2021 9:52	0	0	0.022
6/25/2021 9:53	0	0	0.023
6/25/2021 9:54	0	0	0.02
6/25/2021 9:55	0	0	0.019
6/25/2021 9:56	0	0	0.018
6/25/2021 9:57	0	0	0.017
6/25/2021 9:58	0	0	0.017
6/25/2021 9:59	0	0	0.016
6/25/2021 10:00	0	0	0.016
6/25/2021 10:01	0	0	0.016
6/25/2021 10:02	0	0	0.016
6/25/2021 10:03	0	0	0.016
6/25/2021 10:04	0	0	0.016
6/25/2021 10:05	0	0	0.016
6/25/2021 10:06	0	0	0.016
6/25/2021 10:07	0	0	0.015
6/25/2021 10:08	0	0	0.015
6/25/2021 10:09	0	0	0.015
6/25/2021 10:10	0	0	0.015
6/25/2021 10:11	0	0	0.015

Record of Community Air Monitoring (Upwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 10:12	0	0	0.016
6/25/2021 10:13	0	0	0.016
6/25/2021 10:14	0	0	0.016
6/25/2021 10:15	0	0	0.014
6/25/2021 10:16	0	0	0.013
6/25/2021 10:17	0	0	0.013
6/25/2021 10:18	0	0	0.014
6/25/2021 10:19	0	0	0.014
6/25/2021 10:20	0	0	0.013
6/25/2021 10:21	0	0	0.014
6/25/2021 10:22	0	0	0.014
6/25/2021 10:23	0	0	0.012
6/25/2021 10:24	0	0	0.011
6/25/2021 10:25	0	0	0.01
6/25/2021 10:26	0	0	0.01
6/25/2021 10:27	0	0	0.011
6/25/2021 10:28	0	0	0.011
6/25/2021 10:29	0	0	0.011
6/25/2021 10:30	0	0	0.011
6/25/2021 10:31	0	0	0.011
6/25/2021 10:32	0	0	0.009
6/25/2021 10:33	0	0	0.008
6/25/2021 10:34	0	0	0.007
6/25/2021 10:35	0	0	0.008
6/25/2021 10:36	0	0	0.008
6/25/2021 10:37	0	0	0.008
6/25/2021 10:38	0	0	0.009
6/25/2021 10:39	0	0	0.009
6/25/2021 10:40	0	0	0.009
6/25/2021 10:41	0	0	0.008
6/25/2021 10:42	0	0	0.008
6/25/2021 10:43	0	0	0.008
6/25/2021 10:44	0	0	0.008
6/25/2021 10:45	0	0	0.007
6/25/2021 10:46	0	0	0.007
6/25/2021 10:47	0	0	0.007
6/25/2021 10:48	0	0	0.007
6/25/2021 10:49	0	0	0.006

Record of Community Air Monitoring (Upwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 10:50	0	0	0.006
6/25/2021 10:51	0	0	0.006
6/25/2021 10:52	0	0	0.006
6/25/2021 10:53	0	0	0.006
6/25/2021 10:54	0	0	0.007
6/25/2021 10:55	0	0	0.029
6/25/2021 10:56	0	0	0.015
6/25/2021 10:57	0	0	0.007
6/25/2021 10:58	0	0	0.006
6/25/2021 10:59	0	0	0.006
6/25/2021 11:00	0	0	0.005
6/25/2021 11:01	0	0	0.005
6/25/2021 11:02	0	0	0.006
6/25/2021 11:03	0	0	0.005
6/25/2021 11:04	0	0	0.005
6/25/2021 11:05	0	0	0.005
6/25/2021 11:06	0	0	0.005
6/25/2021 11:07	0	0	0.006
6/25/2021 11:08	0	0	0.005
6/25/2021 11:09	0	0	0.005

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 8:11	0	0	0.03
6/28/2021 8:12	0	0	0.03
6/28/2021 8:13	0	0	0.03
6/28/2021 8:14	0	0	0.031
6/28/2021 8:15	0	0	0.031
6/28/2021 8:16	0	0	0.03
6/28/2021 8:17	0	0	0.03
6/28/2021 8:18	0	0	0.029
6/28/2021 8:19	0	0	0.029
6/28/2021 8:20	0	0	0.029
6/28/2021 8:21	0	0	0.03
6/28/2021 8:22	0	0	0.031
6/28/2021 8:23	0	0	0.031
6/28/2021 8:24	0	0	0.031
6/28/2021 8:25	0	0	0.031
6/28/2021 8:26	0	0	0.031
6/28/2021 8:27	0	0	0.031
6/28/2021 8:28	0	0	0.03
6/28/2021 8:29	0	0	0.029
6/28/2021 8:30	0	0	0.028
6/28/2021 8:31	0	0	0.029
6/28/2021 8:32	0	0	0.029
6/28/2021 8:33	0	0	0.029
6/28/2021 8:34	0	0	0.029
6/28/2021 8:35	0	0	0.029
6/28/2021 8:36	0	0	0.03
6/28/2021 8:37	0	0	0.029
6/28/2021 8:38	0	0	0.029
6/28/2021 8:39	0	0	0.029
6/28/2021 8:40	0	0	0.029
6/28/2021 8:41	0	0	0.03
6/28/2021 8:42	0	0	0.03
6/28/2021 8:43	0	0	0.03
6/28/2021 8:44	0	0	0.029
6/28/2021 8:45	0	0	0.029
6/28/2021 8:46	0	0	0.028
6/28/2021 8:47	0	0	0.027
6/28/2021 8:48	0	0	0.026

Record of Community Air Monitoring (Upwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 8:49	0	0	0.025
6/28/2021 8:50	0	0	0.026
6/28/2021 8:51	0	0	0.024
6/28/2021 8:52	0	0	0.023
6/28/2021 8:53	0	0	0.023
6/28/2021 8:54	0	0	0.023
6/28/2021 8:55	0	0	0.023
6/28/2021 8:56	0	0	0.023
6/28/2021 8:57	0	0	0.022
6/28/2021 8:58	0	0	0.022
6/28/2021 8:59	0	0	0.022
6/28/2021 9:00	0	0	0.022
6/28/2021 9:01	0	0	0.021
6/28/2021 9:02	0	0	0.021
6/28/2021 9:03	0	0	0.02
6/28/2021 9:04	0	0	0.02
6/28/2021 9:05	0	0	0.02
6/28/2021 9:06	0	0	0.019
6/28/2021 9:07	0	0	0.019
6/28/2021 9:08	0	0	0.019
6/28/2021 9:09	0	0	0.019
6/28/2021 9:10	0	0	0.018
6/28/2021 9:11	0	0	0.018
6/28/2021 9:12	0	0	0.018
6/28/2021 9:13	0	0	0.018
6/28/2021 9:14	0	0	0.017
6/28/2021 9:15	0	0	0.017
6/28/2021 9:16	0	0	0.017
6/28/2021 9:17	0	0	0.017
6/28/2021 9:18	0	0	0.017
6/28/2021 9:19	0	0	0.016
6/28/2021 9:20	0	0	0.016
6/28/2021 9:21	0	0	0.016
6/28/2021 9:22	0	0	0.015
6/28/2021 9:23	0	0	0.015
6/28/2021 9:24	0	0	0.015
6/28/2021 9:25	0	0	0.014
6/28/2021 9:26	0	0	0.013

Record of Community Air Monitoring (Upwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 9:27	0	0	0.013
6/28/2021 9:28	0	0	0.013
6/28/2021 9:29	0	0	0.013
6/28/2021 9:30	0	0	0.013
6/28/2021 9:31	0	0	0.014
6/28/2021 9:32	0	0	0.014
6/28/2021 9:33	0	0	0.014
6/28/2021 9:34	0	0	0.013
6/28/2021 9:35	0	0	0.014
6/28/2021 9:36	0	0	0.013
6/28/2021 9:37	0	0	0.013
6/28/2021 9:38	0	0	0.013
6/28/2021 9:39	0	0	0.013
6/28/2021 9:40	0	0	0.013
6/28/2021 9:41	0	0	0.012
6/28/2021 9:42	0	0	0.012
6/28/2021 9:43	0	0	0.012
6/28/2021 9:44	0	0	0.011
6/28/2021 9:45	0	0	0.011
6/28/2021 9:46	0	0	0.011
6/28/2021 9:47	0	0	0.011
6/28/2021 9:48	0	0	0.011
6/28/2021 9:49	0	0	0.011
6/28/2021 9:50	0	0	0.01
6/28/2021 9:51	0	0	0.01
6/28/2021 9:52	0	0	0.01
6/28/2021 9:53	0	0	0.01
6/28/2021 9:54	0	0	0.011
6/28/2021 9:55	0	0	0.01
6/28/2021 9:56	0	0	0.01
6/28/2021 9:57	0	0	0.01
6/28/2021 9:58	0	0	0.01
6/28/2021 9:59	0	0	0.01
6/28/2021 10:00	0	0	0.01
6/28/2021 10:01	0	0	0.01
6/28/2021 10:02	0	0	0.01
6/28/2021 10:03	0	0	0.01
6/28/2021 10:04	0	0	0.01

Record of Community Air Monitoring (Upwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 10:05	0	0	0.009
6/28/2021 10:06	0	0	0.01
6/28/2021 10:07	0	0	0.01
6/28/2021 10:08	0	0	0.009
6/28/2021 10:09	0	0	0.009
6/28/2021 10:10	0	0	0.009
6/28/2021 10:11	0	0	0.009
6/28/2021 10:12	0	0	0.009
6/28/2021 10:13	0	0	0.008
6/28/2021 10:14	0	0	0.008
6/28/2021 10:15	0	0	0.008
6/28/2021 10:16	0	0	0.008
6/28/2021 10:17	0	0	0.008
6/28/2021 10:18	0	0	0.008
6/28/2021 10:19	0	0	0.008
6/28/2021 10:20	0	0	0.008
6/28/2021 10:21	0	0	0.008
6/28/2021 10:22	0	0	0.008
6/28/2021 10:23	0	0	0.008
6/28/2021 10:24	0	0	0.008
6/28/2021 10:25	0	0	0.007
6/28/2021 10:26	0	0	0.007
6/28/2021 10:27	0	0	0.007
6/28/2021 10:28	0	0	0.007
6/28/2021 10:29	0	0	0.007
6/28/2021 10:30	0	0	0.007
6/28/2021 10:31	0	0	0.006
6/28/2021 10:32	0	0	0.006
6/28/2021 10:33	0	0	0.006
6/28/2021 10:34	0	0	0.006
6/28/2021 10:35	0	0	0.006
6/28/2021 10:36	0	0	0.006
6/28/2021 10:37	0	0	0.005
6/28/2021 10:38	0	0	0.005
6/28/2021 10:39	0	0	0.005
6/28/2021 10:40	0	0	0.005
6/28/2021 10:41	0	0	0.005
6/28/2021 10:42	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 10:43	0	0	0.005
6/28/2021 10:44	0	0	0.005
6/28/2021 10:45	0	0	0.005
6/28/2021 10:46	0	0	0.005
6/28/2021 10:47	0	0	0.004
6/28/2021 10:48	0	0	0.005
6/28/2021 10:49	0	0	0.005
6/28/2021 10:50	0	0	0.004
6/28/2021 10:51	0	0	0.005
6/28/2021 10:52	0	0	0.005
6/28/2021 10:53	0	0	0.005
6/28/2021 10:54	0	0	0.005
6/28/2021 10:55	0	0	0.004
6/28/2021 10:56	0	0	0.004
6/28/2021 10:57	0	0	0.004
6/28/2021 10:58	0	0	0.004
6/28/2021 10:59	0	0	0.006
6/28/2021 11:00	0	0	0.005
6/28/2021 11:01	0	0	0.005
6/28/2021 11:02	0	0	0.005
6/28/2021 11:03	0	0	0.005
6/28/2021 11:04	0	0	0.005
6/28/2021 11:05	0	0	0.005
6/28/2021 11:06	0	0	0.004
6/28/2021 11:07	0	0	0.004
6/28/2021 11:08	0	0	0.004
6/28/2021 11:09	0	0	0.005
6/28/2021 11:10	0	0	0.005
6/28/2021 11:11	0	0	0.005
6/28/2021 11:12	0	0	0.004
6/28/2021 11:13	0	0	0.004
6/28/2021 11:14	0	0	0.004
6/28/2021 11:15	0	0	0.004
6/28/2021 11:16	0	0	0.004
6/28/2021 11:17	0	0	0.004
6/28/2021 11:18	0	0	0.004
6/28/2021 11:19	0	0	0.003
6/28/2021 11:20	0	0	0.004

Record of Community Air Monitoring (Upwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 11:21	0	0	0.004
6/28/2021 11:22	0	0	0.004
6/28/2021 11:23	0	0	0.003
6/28/2021 11:24	0	0	0.003
6/28/2021 11:25	0	0	0.003
6/28/2021 11:26	0	0	0.003
6/28/2021 11:27	0	0	0.004
6/28/2021 11:28	0	0	0.004
6/28/2021 11:29	0	0	0.003
6/28/2021 11:30	0	0	0.003
6/28/2021 11:31	0	0	0.003
6/28/2021 11:32	0	0	0.003
6/28/2021 11:33	0	0	0.003
6/28/2021 11:34	0	0	0.003
6/28/2021 11:35	0	0	0.003
6/28/2021 11:36	0	0	0.003
6/28/2021 11:37	0	0	0.003
6/28/2021 11:38	0	0	0.003
6/28/2021 11:39	0	0	0.003
6/28/2021 11:40	0	0	0.003
6/28/2021 11:41	0	0	0.003
6/28/2021 11:42	0	0	0.002
6/28/2021 11:43	0	0	0.003
6/28/2021 11:44	0	0	0.003
6/28/2021 11:45	0	0	0.003
6/28/2021 11:46	0	0	0.003
6/28/2021 11:47	0	0	0.002
6/28/2021 11:48	0	0	0.002
6/28/2021 11:49	0	0	0.002
6/28/2021 11:50	0	0	0.002
6/28/2021 11:51	0	0	0.002
6/28/2021 11:52	0	0	0.001
6/28/2021 11:53	0	0	0.002
6/28/2021 11:54	0	0	0.001
6/28/2021 11:55	0	0	0.001
6/28/2021 11:56	0	0	0.001
6/28/2021 11:57	0	0	0.001
6/28/2021 11:58	0	0	0.001

Record of Community Air Monitoring (Upwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 11:59	0	0	0.001
6/28/2021 12:00	0	0	0.001
6/28/2021 12:01	0	0	0.001
6/28/2021 12:02	0	0	0.001
6/28/2021 12:03	0	0	0.001
6/28/2021 12:04	0	0	0.001
6/28/2021 12:05	0	0	0.001
6/28/2021 12:06	0	0	0.001
6/28/2021 12:07	0	0	0.001
6/28/2021 12:08	0	0	0.001
6/28/2021 12:09	0	0	0.001
6/28/2021 12:10	0	0	0
6/28/2021 12:11	0	0	0.001
6/28/2021 12:12	0	0	0
6/28/2021 12:13	0	0	0.001
6/28/2021 12:14	0	0	0
6/28/2021 12:15	0	0	0
6/28/2021 12:16	0	0	0
6/28/2021 12:17	0	0	0
6/28/2021 12:18	0	0	0
6/28/2021 12:19	0	0	0
6/28/2021 12:20	0	0	0
6/28/2021 12:21	0	0	0
6/28/2021 12:22	0	0	0
6/28/2021 12:23	0	0	0
6/28/2021 12:24	0	0	0
6/28/2021 12:25	0	0	0
6/28/2021 12:26	0	0	0
6/28/2021 12:27	0	0	0
6/28/2021 12:28	0	0	0
6/28/2021 12:29	0	0	0
6/28/2021 12:30	0	0	0
6/28/2021 12:31	0	0	0
6/28/2021 12:32	0	0	0
6/28/2021 12:33	0	0	0
6/28/2021 12:34	0	0	0
6/28/2021 12:35	0	0	0
6/28/2021 12:36	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 12:37	0	0	0
6/28/2021 12:38	0	0	0
6/28/2021 12:39	0	0	0
6/28/2021 12:40	0	0	0
6/28/2021 12:41	0	0	0.001
6/28/2021 12:42	0	0	0
6/28/2021 12:43	0	0	0
6/28/2021 12:44	0	0	0
6/28/2021 12:45	0	0	0
6/28/2021 12:46	0	0	0
6/28/2021 12:47	0	0	0
6/28/2021 12:48	0	0	0
6/28/2021 12:49	0	0	0
6/28/2021 12:50	0	0	0
6/28/2021 12:51	0	0	0
6/28/2021 12:52	0	0	0
6/28/2021 12:53	0	0	0
6/28/2021 12:54	0	0	(a)
6/28/2021 12:55	0	0	(a)
6/28/2021 12:56	0	0	(a)
6/28/2021 13:57	(a)	(a)	0.004
6/28/2021 13:58	(a)	(a)	0.006
6/28/2021 13:59	0	0	0.008
6/28/2021 14:00	0	0	0.008
6/28/2021 14:01	0	0	0.009
6/28/2021 14:02	0	0	0.009
6/28/2021 14:03	0	0	0.009
6/28/2021 14:04	0	0	0.007
6/28/2021 14:05	0	0	0.007
6/28/2021 14:06	0	0	0.007
6/28/2021 14:07	0	0	0.006
6/28/2021 14:08	0	0	0.006
6/28/2021 14:09	0	0	0.005
6/28/2021 14:10	0	0	0.005
6/28/2021 14:11	0	0	0.005
6/28/2021 14:12	0	0	0.004
6/28/2021 14:13	0	0	0.003
6/28/2021 14:14	0	0	0.003

Record of Community Air Monitoring (Upwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 14:15	0	0	0.003
6/28/2021 14:16	0	0	0.002
6/28/2021 14:17	0	0	0.002
6/28/2021 14:18	0	0	0.002
6/28/2021 14:19	0	0	0.002
6/28/2021 14:20	0	0	0.001
6/28/2021 14:21	0	0	0.001
6/28/2021 14:22	0	0	0.001
6/28/2021 14:23	0	0	0.002
6/28/2021 14:24	0	0	0.001
6/28/2021 14:25	0	0	0.001
6/28/2021 14:26	0	0	0.001
6/28/2021 14:27	0	0	0.001
6/28/2021 14:28	0	0	0.001
6/28/2021 14:29	0	0	0.002
6/28/2021 14:30	0	0	0.004
6/28/2021 14:31	0	0	0.003
6/28/2021 14:32	0	0	0
6/28/2021 14:33	0	0	0
6/28/2021 14:34	0	0	0
6/28/2021 14:35	0	0	0
6/28/2021 14:36	0	0	0
6/28/2021 14:37	0	0	0
6/28/2021 14:38	0	0	0
6/28/2021 14:39	0	0	0
6/28/2021 14:40	0	0	0
6/28/2021 14:41	0	0	0
6/28/2021 14:42	0	0	0
6/28/2021 14:43	0	0	0
6/28/2021 14:44	0	0	0
6/28/2021 14:45	0	0	0
6/28/2021 14:46	0	0	0

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)

(a) Equipment malfunction

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 7:17	0	0	0.043
6/29/2021 7:18	0	0	0.046
6/29/2021 7:19	0	0	0.047
6/29/2021 7:20	0	0	0.047
6/29/2021 7:21	0	0	0.046
6/29/2021 7:22	0	0	0.045
6/29/2021 7:23	0	0	0.043
6/29/2021 7:24	0	0	0.044
6/29/2021 7:25	0	0	0.042
6/29/2021 7:26	0	0	0.041
6/29/2021 7:27	0	0	0.041
6/29/2021 7:28	0	0	0.044
6/29/2021 7:29	0	0	0.045
6/29/2021 7:30	0	0	0.049
6/29/2021 7:31	0	0	0.054
6/29/2021 7:32	0	0	0.059
6/29/2021 7:33	0	0	0.058
6/29/2021 7:34	0	0	0.06
6/29/2021 7:35	0	0	0.057
6/29/2021 7:36	0	0	0.055
6/29/2021 7:37	0	0	0.052
6/29/2021 7:38	0	0	0.049
6/29/2021 7:39	0	0	0.047
6/29/2021 7:40	0	0	0.048
6/29/2021 7:41	0	0	0.049
6/29/2021 7:42	0	0	0.05
6/29/2021 7:43	0	0	0.052
6/29/2021 7:44	0	0	0.048
6/29/2021 7:45	0	0	0.042
6/29/2021 7:46	0	0	0.04
6/29/2021 7:47	0	0	0.038
6/29/2021 7:48	0	0	0.038
6/29/2021 7:49	0	0	0.039
6/29/2021 7:50	0	0	0.038
6/29/2021 7:51	0	0	0.038
6/29/2021 7:52	0	0	0.037
6/29/2021 7:53	0	0	0.037
6/29/2021 7:54	0	0	0.036

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 7:55	0	0	0.037
6/29/2021 7:56	0	0	0.039
6/29/2021 7:57	0	0	0.039
6/29/2021 7:58	0	0	0.036
6/29/2021 7:59	0	0	0.034
6/29/2021 8:00	0	0	0.036
6/29/2021 8:01	0	0	0.033
6/29/2021 8:02	0	0	0.031
6/29/2021 8:03	0	0	0.032
6/29/2021 8:04	0	0	0.032
6/29/2021 8:05	0	0	0.033
6/29/2021 8:06	0	0	0.031
6/29/2021 8:07	0	0	0.031
6/29/2021 8:08	0	0	0.031
6/29/2021 8:09	0	0	0.031
6/29/2021 8:10	0	0	0.03
6/29/2021 8:11	0	0	0.03
6/29/2021 8:12	0	0	0.03
6/29/2021 8:13	0	0	0.031
6/29/2021 8:14	0	0	0.03
6/29/2021 8:15	0	0	0.029
6/29/2021 8:16	0	0	0.029
6/29/2021 8:17	0	0	0.028
6/29/2021 8:18	0	0	0.028
6/29/2021 8:19	0	0	0.026
6/29/2021 8:20	0	0	0.028
6/29/2021 8:21	0	0	0.028
6/29/2021 8:22	0	0	0.03
6/29/2021 8:23	0	0	0.028
6/29/2021 8:24	0	0	0.027
6/29/2021 8:25	0	0	0.025
6/29/2021 8:26	0	0	0.024
6/29/2021 8:27	0	0	0.023
6/29/2021 8:28	0	0	0.022
6/29/2021 8:29	0	0	0.022
6/29/2021 8:30	0	0	0.022
6/29/2021 8:31	0	0	0.021
6/29/2021 8:32	0	0	0.019

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 8:33	0	0	0.018
6/29/2021 8:34	0	0	0.018
6/29/2021 8:35	0	0	0.018
6/29/2021 8:36	0	0	0.018
6/29/2021 8:37	0	0	0.017
6/29/2021 8:38	0	0	0.016
6/29/2021 8:39	0	0	0.015
6/29/2021 8:40	0	0	0.016
6/29/2021 8:41	0	0	0.015
6/29/2021 8:42	0	0	0.014
6/29/2021 8:43	0	0	0.012
6/29/2021 8:44	0	0	0.011
6/29/2021 8:45	0	0	0.012
6/29/2021 8:46	0	0	0.012
6/29/2021 8:47	0	0	0.012
6/29/2021 8:48	0	0	0.012
6/29/2021 8:49	0	0	0.012
6/29/2021 8:50	0	0	0.011
6/29/2021 8:51	0	0	0.01
6/29/2021 8:52	0	0	0.01
6/29/2021 8:53	0	0	0.01
6/29/2021 8:54	0	0	0.009
6/29/2021 8:55	0	0	0.008
6/29/2021 8:56	0	0	0.008
6/29/2021 8:57	0	0	0.007
6/29/2021 8:58	0	0	0.008
6/29/2021 8:59	0	0	0.008
6/29/2021 9:00	0	0	0.008
6/29/2021 9:01	0	0	0.007
6/29/2021 9:02	0	0	0.007
6/29/2021 9:03	0	0	0.006
6/29/2021 9:04	0	0	0.006
6/29/2021 9:05	0	0	0.006
6/29/2021 9:06	0	0	0.006
6/29/2021 9:07	0	0	0.005
6/29/2021 9:08	0	0	0.004
6/29/2021 9:09	0	0	0.004
6/29/2021 9:10	0	0	0.004

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 9:11	0	0	0.004
6/29/2021 9:12	0	0	0.004
6/29/2021 9:13	0	0	0.004
6/29/2021 9:14	0	0	0.004
6/29/2021 9:15	0	0	0.005
6/29/2021 9:16	0	0	0.004
6/29/2021 9:17	0	0	0.003
6/29/2021 9:18	0	0	0.002
6/29/2021 9:19	0	0	0.003
6/29/2021 9:20	0	0	0.003
6/29/2021 9:21	0	0	0.002
6/29/2021 9:22	0	0	0.002
6/29/2021 9:23	0	0	0.002
6/29/2021 9:24	0	0	0.001
6/29/2021 9:25	0	0	0.001
6/29/2021 9:26	0	0	0.001
6/29/2021 9:27	0	0	0.001
6/29/2021 9:28	0	0	0.001
6/29/2021 9:29	0	0	0.001
6/29/2021 9:30	0	0	0.001
6/29/2021 9:31	0	0	0.001
6/29/2021 9:32	0	0	0.001
6/29/2021 9:33	0	0	0.001
6/29/2021 9:34	0	0	0.001
6/29/2021 9:35	0	0	0
6/29/2021 9:36	0	0	0
6/29/2021 9:37	0	0	0
6/29/2021 9:38	0	0	0
6/29/2021 9:39	0	0	0
6/29/2021 9:40	0	0	0
6/29/2021 9:41	0	0	0
6/29/2021 9:42	0	0	0
6/29/2021 9:43	0	0	0
6/29/2021 9:44	0	0	0
6/29/2021 9:45	0	0	0
6/29/2021 9:46	0	0	0
6/29/2021 9:47	0	0	0
6/29/2021 9:48	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 9:49	0	0	0
6/29/2021 9:50	0	0	0
6/29/2021 9:51	0	0	0
6/29/2021 9:52	0	0	0
6/29/2021 9:53	0	0	0
6/29/2021 9:54	0	0	0
6/29/2021 9:55	0	0	0
6/29/2021 9:56	0	0	0
6/29/2021 9:57	0	0	0
6/29/2021 9:58	0	0	0
6/29/2021 9:59	0	0	0
6/29/2021 10:00	0	0	0
6/29/2021 10:01	0	0	0
6/29/2021 10:02	0	0	0
6/29/2021 10:03	0	0	0
6/29/2021 10:04	0	0	0
6/29/2021 10:05	0	0	0
6/29/2021 10:06	0	0	0
6/29/2021 10:07	0	0	0
6/29/2021 10:08	0	0	0
6/29/2021 10:09	0	0	0
6/29/2021 10:10	0	0	0
6/29/2021 10:11	0	0	0
6/29/2021 10:12	0	0	0
6/29/2021 10:13	0	0	0
6/29/2021 10:14	0	0	0
6/29/2021 10:15	0	0	0
6/29/2021 10:16	0	0	0
6/29/2021 10:17	0	0	0
6/29/2021 10:18	0	0	0
6/29/2021 10:19	0	0	0
6/29/2021 10:20	0	0	0
6/29/2021 10:21	0	0	0
6/29/2021 10:22	0	0	0
6/29/2021 10:23	0	0	0
6/29/2021 10:24	0	0	0
6/29/2021 10:25	0	0	0
6/29/2021 10:26	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 10:27	0	0	0
6/29/2021 10:28	0	0	0
6/29/2021 10:29	0.1	0	0
6/29/2021 10:30	0.1	0	0
6/29/2021 10:31	0.1	0	0
6/29/2021 10:32	0.1	0	0
6/29/2021 10:33	0.1	0	0
6/29/2021 10:34	0.1	0	0
6/29/2021 10:35	0.1	0	0
6/29/2021 10:36	0.1	0	0
6/29/2021 10:37	0.1	0	0
6/29/2021 10:38	0.1	0	0
6/29/2021 10:39	0.1	0	0
6/29/2021 10:40	0.1	0	0
6/29/2021 10:41	0.1	0	0
6/29/2021 10:42	0.1	0	0
6/29/2021 10:43	0.1	0	0
6/29/2021 10:44	0.1	0	0
6/29/2021 10:45	0.1	0	0
6/29/2021 10:46	0.1	0	0
6/29/2021 10:47	0.1	0	0
6/29/2021 10:48	0.1	0	0
6/29/2021 10:49	0.1	0	0
6/29/2021 10:50	0.1	0	0
6/29/2021 10:51	0.1	0	0
6/29/2021 10:52	0.1	0	0
6/29/2021 10:53	0.1	0	0
6/29/2021 10:54	0.1	0	0
6/29/2021 10:55	0.1	0	0
6/29/2021 10:56	0.1	0	0
6/29/2021 10:57	0.1	0	0
6/29/2021 10:58	0.1	0	0
6/29/2021 10:59	0.1	0	0
6/29/2021 11:00	0.1	0	0
6/29/2021 11:01	0.1	0	0
6/29/2021 11:02	0.1	0	0
6/29/2021 11:03	0.1	0	0
6/29/2021 11:04	0.1	0	0

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 11:05	0.1	0	0
6/29/2021 11:06	0.1	0	0
6/29/2021 11:07	0.1	0	0
6/29/2021 11:08	0.1	0	0
6/29/2021 11:09	0.1	0	0
6/29/2021 11:10	0.1	0	0
6/29/2021 11:11	0.1	0	0
6/29/2021 11:12	0.1	0	0
6/29/2021 11:13	0.1	0	0
6/29/2021 11:14	0.1	0	0
6/29/2021 11:15	0.1	0	0
6/29/2021 11:16	0.1	0	0
6/29/2021 11:17	0.1	0	0
6/29/2021 11:18	0.1	0	0
6/29/2021 11:19	0.1	0	0
6/29/2021 11:20	0.1	0	0
6/29/2021 11:21	0.1	0	0
6/29/2021 11:22	0.1	0	0
6/29/2021 11:23	0.1	0	0
6/29/2021 11:24	0.1	0	0
6/29/2021 11:25	0.1	0	0
6/29/2021 11:26	0.1	0	0
6/29/2021 11:27	0.1	0	0
6/29/2021 11:28	0.1	0	0
6/29/2021 11:29	0.1	0	0
6/29/2021 11:30	0.1	0	0
6/29/2021 11:31	0.1	0	0
6/29/2021 11:32	0.1	0	0
6/29/2021 11:33	0.1	0	0
6/29/2021 11:34	0.1	0	0
6/29/2021 11:35	0.1	0	0
6/29/2021 11:36	0.1	0	0
6/29/2021 11:37	0.1	0	0
6/29/2021 11:38	0.1	0	0
6/29/2021 11:39	0.1	0	0
6/29/2021 11:40	0.1	0	0
6/29/2021 11:41	0.1	0	0
6/29/2021 11:42	0.1	0	0

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 11:43	0.1	0	0
6/29/2021 11:44	0.1	0	0
6/29/2021 11:45	0.1	0	0
6/29/2021 11:46	0.1	0	0
6/29/2021 11:47	0.1	0	0
6/29/2021 11:48	0.1	0	0
6/29/2021 11:49	0.1	0	0
6/29/2021 11:50	0.1	0	0
6/29/2021 11:51	0.1	0	0
6/29/2021 11:52	0.1	0	0
6/29/2021 11:53	0.1	0	0
6/29/2021 11:54	0.1	0	0
6/29/2021 11:55	0.1	0	0
6/29/2021 11:56	0.1	0	0
6/29/2021 11:57	0.1	0	0
6/29/2021 11:58	0.1	0	0
6/29/2021 11:59	0.1	0	0
6/29/2021 12:00	0.1	0	0
6/29/2021 12:01	0.1	0	0
6/29/2021 12:02	0.1	0	0
6/29/2021 12:03	0.1	0	0
6/29/2021 12:04	0.1	0	0
6/29/2021 12:05	0.1	0	0
6/29/2021 12:06	0.1	0	0
6/29/2021 12:07	0.1	0	0
6/29/2021 12:08	0.1	0	0
6/29/2021 12:09	0.1	0	0
6/29/2021 12:10	0.1	0	(a)
6/29/2021 12:11	0.1	0	(a)
6/29/2021 12:12	0.1	0	(a)
6/29/2021 12:13	(a)	(a)	(a)
6/29/2021 12:14	(a)	(a)	(a)
6/29/2021 12:15	(a)	(a)	0.002
6/29/2021 12:21	0	0	0
6/29/2021 12:22	0	0	0
6/29/2021 12:23	0	0	0
6/29/2021 12:24	0	0	0
6/29/2021 12:25	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 12:26	0	0	0
6/29/2021 12:27	0	0	0
6/29/2021 12:28	0	0	0
6/29/2021 12:29	0	0	0
6/29/2021 12:30	0	0	0
6/29/2021 12:31	0	0	0
6/29/2021 12:32	0	0	0
6/29/2021 12:33	0	0	0
6/29/2021 12:34	0	0	0
6/29/2021 12:35	0	0	0
6/29/2021 12:36	0	0	0
6/29/2021 12:37	0	0	0
6/29/2021 12:38	0	0	0
6/29/2021 12:39	0	0	0
6/29/2021 12:40	0	0	0
6/29/2021 12:41	0	0	0
6/29/2021 12:42	0	0	0
6/29/2021 12:43	0	0	0
6/29/2021 12:44	0	0	0
6/29/2021 12:45	0	0	0
6/29/2021 12:46	0	0	0
6/29/2021 12:47	0	0	0
6/29/2021 12:48	0	0	0
6/29/2021 12:49	0	0	0
6/29/2021 12:50	0	0	0
6/29/2021 12:51	0	0	0
6/29/2021 12:52	0	0	0
6/29/2021 12:53	0	0	0
6/29/2021 12:54	0	0	0
6/29/2021 12:55	0	0	0
6/29/2021 12:56	0	0	0
6/29/2021 12:57	0	0	0.001
6/29/2021 12:58	0	0	0
6/29/2021 12:59	0	0	0.001
6/29/2021 13:00	0	0	0
6/29/2021 13:01	0	0	0
6/29/2021 13:02	0	0	0
6/29/2021 13:03	0	0	0.001

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 13:04	0	0	0
6/29/2021 13:05	0	0	0.001
6/29/2021 13:06	0	0	0.001
6/29/2021 13:07	0	0	0.001
6/29/2021 13:08	0	0	0.001
6/29/2021 13:09	0	0	0.001
6/29/2021 13:10	0	0	0
6/29/2021 13:11	0	0	0
6/29/2021 13:12	0	0	0.001
6/29/2021 13:13	0	0	0
6/29/2021 13:14	0	0	0
6/29/2021 13:15	0	0	0
6/29/2021 13:16	0	0	0
6/29/2021 13:17	0	0	0
6/29/2021 13:18	0	0	0
6/29/2021 13:19	0	0	0
6/29/2021 13:20	0	0	0
6/29/2021 13:21	0	0	0.001
6/29/2021 13:22	0	0	0.001
6/29/2021 13:23	0	0	0.001
6/29/2021 13:24	0	0	0
6/29/2021 13:25	0	0	0.001
6/29/2021 13:26	0	0	0.001
6/29/2021 13:27	0	0	0
6/29/2021 13:28	0	0	0.001
6/29/2021 13:29	0	0	0.001
6/29/2021 13:30	0	0	0.001
6/29/2021 13:31	0	0	0
6/29/2021 13:32	0	0	0
6/29/2021 13:33	0	0	0
6/29/2021 13:34	0	0	0
6/29/2021 13:35	0	0	0
6/29/2021 13:36	0	0	0
6/29/2021 13:37	0	0	0
6/29/2021 13:38	0	0	0
6/29/2021 13:39	0	0	0
6/29/2021 13:40	0	0	0
6/29/2021 13:41	0	0	0
6/29/2021 13:42	0	0	0

Record of Community Air Monitoring (Upwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 13:43	0	0	0
6/29/2021 13:44	0	0	0
6/29/2021 13:45	0	0	0
6/29/2021 13:46	0	0	0
6/29/2021 13:47	0	0	0.001
6/29/2021 13:48	0	0	0
6/29/2021 13:49	0	0	0

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

Record of Community Air Monitoring (Upwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 10:40	0.1	0	0.059
7/15/2021 10:41	0	0	0.024
7/15/2021 10:42	0	0	0.021
7/15/2021 10:43	0	0	0.019
7/15/2021 10:44	0	0	0.017
7/15/2021 10:45	0	0	0.015
7/15/2021 10:46	0	0	0.014
7/15/2021 10:47	0	0	0.023
7/15/2021 10:48	0	0	0.025
7/15/2021 10:49	0	0	0.021
7/15/2021 10:50	0	0	0.019
7/15/2021 10:51	0	0	0.017
7/15/2021 10:52	0	0	0.016
7/15/2021 10:53	0	0	0.015
7/15/2021 10:54	0	0	0.014
7/15/2021 10:55	0	0	0.014
7/15/2021 10:56	0	0	0.013
7/15/2021 10:57	0	0	0.013
7/15/2021 10:58	0	0	0.013
7/15/2021 10:59	0	0	0.012
7/15/2021 11:00	0	0	0.012
7/15/2021 11:01	0	0	0.012
7/15/2021 11:02	0	0	0.025
7/15/2021 11:03	0	0	0.028
7/15/2021 11:04	0	0	0.023
7/15/2021 11:05	0	0	0.02
7/15/2021 11:06	0	0	0.019
7/15/2021 11:07	0	0	0.017
7/15/2021 11:08	0	0	0.017
7/15/2021 11:09	0	0	0.016
7/15/2021 11:10	0	0	0.015
7/15/2021 11:11	0	0	0.014
7/15/2021 11:12	0	0	0.014
7/15/2021 11:13	0	0	0.013
7/15/2021 11:14	0	0	0.014
7/15/2021 11:15	0	0	0.013
7/15/2021 11:16	0	0	0.013
7/15/2021 11:17	0	0	0.012
7/15/2021 11:18	0	0	0.012

Record of Community Air Monitoring (Upwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 11:19	0	0	0.012
7/15/2021 11:20	0	0	0.011
7/15/2021 11:21	0	0	0.011
7/15/2021 11:22	0	0	0.011
7/15/2021 11:23	0	0	0.011
7/15/2021 11:24	0	0	0.011
7/15/2021 11:25	0	0	0.038
7/15/2021 11:26	0	0	0.028
7/15/2021 11:27	0	0	0.02
7/15/2021 11:28	0	0	0.017
7/15/2021 11:29	0	0	0.015
7/15/2021 11:30	0	0	0.014
7/15/2021 11:31	0	0	0.013
7/15/2021 11:32	0	0	0.012
7/15/2021 11:33	0	0	0.011
7/15/2021 11:34	0	0	0.011
7/15/2021 11:35	0	0	0.01
7/15/2021 11:36	0	0	0.01
7/15/2021 11:37	0	0	0.01
7/15/2021 11:38	0	0	0.01
7/15/2021 11:39	0	0	0.01
7/15/2021 11:40	0	0	0.009
7/15/2021 11:41	0	0	0.009
7/15/2021 11:42	0	0	0.009
7/15/2021 11:43	0	0	0.009
7/15/2021 11:44	0	0	0.008
7/15/2021 11:45	0	0	0.008
7/15/2021 11:46	0	0	0.009
7/15/2021 11:47	0	0	0.01
7/15/2021 11:48	0	0	0.011
7/15/2021 11:49	0	0	0.013
7/15/2021 11:50	0	0	0.012
7/15/2021 11:51	0	0	0.011
7/15/2021 11:52	0	0	0.01
7/15/2021 11:53	0	0	0.01
7/15/2021 11:54	0	0	0.01
7/15/2021 11:55	0	0	0.009
7/15/2021 11:56	0	0	0.009
7/15/2021 11:57	0	0	0.008

Record of Community Air Monitoring (Upwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 11:58	0	0	0.008
7/15/2021 11:59	0	0	0.008
7/15/2021 12:00	0	0	0.008
7/15/2021 12:01	0	0	0.009
7/15/2021 12:02	0	0	0.01
7/15/2021 12:03	0	0	0.01
7/15/2021 12:04	0	0	0.01
7/15/2021 12:05	0	0	0.009
7/15/2021 12:06	0	0	0.008
7/15/2021 12:07	0	0	0.008
7/15/2021 12:08	0	0	0.008
7/15/2021 12:09	0	0	0.007
7/15/2021 12:10	0	0	0.007
7/15/2021 12:11	0	0	0.007
7/15/2021 12:12	0	0	0.007
7/15/2021 12:13	0	0	0.007
7/15/2021 12:14	0	0	0.007
7/15/2021 12:15	0	0	0.007
7/15/2021 12:16	0	0	0.007
7/15/2021 12:17	0	0	0.008
7/15/2021 12:18	0	0	0.009
7/15/2021 12:19	0	0	0.014
7/15/2021 12:20	0	0	0.013
7/15/2021 12:21	0	0	0.012
7/15/2021 12:22	0	0	0.011
7/15/2021 12:23	0	0	0.01
7/15/2021 12:24	0	0	0.01
7/15/2021 12:25	0	0	0.01
7/15/2021 12:26	0	0	0.01
7/15/2021 12:27	0	0	0.01
7/15/2021 12:28	0	0	0.009
7/15/2021 12:29	0	0	0.009
7/15/2021 12:30	0	0	0.009
7/15/2021 12:31	0	0	0.011
7/15/2021 12:32	0	0	0.011
7/15/2021 12:33	0	0	0.01
7/15/2021 12:34	0	0	0.01
7/15/2021 12:35	0	0	0.01
7/15/2021 12:36	0	0	0.009

Record of Community Air Monitoring (Upwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 12:37	0	0	0.009
7/15/2021 12:38	0	0	0.009
7/15/2021 12:39	0	0	0.009
7/15/2021 12:40	0	0	0.009
7/15/2021 12:41	0	0	0.009
7/15/2021 12:42	0	0	0.008
7/15/2021 12:43	0	0	0.008
7/15/2021 12:44	0	0	0.008
7/15/2021 12:45	0	0	0.008
7/15/2021 12:46	0	0	0.008
7/15/2021 12:47	0	0	0.008
7/15/2021 12:48	0	0	0.007
7/15/2021 12:49	0	0	0.007
7/15/2021 12:50	0	0	0.007
7/15/2021 12:51	0	0	0.007
7/15/2021 12:52	0	0	0.007
7/15/2021 12:53	0	0	0.007
7/15/2021 12:54	0	0	0.007
7/15/2021 12:55	0	0	0.007
7/15/2021 12:56	0	0	0.01
7/15/2021 12:57	0	0	0.026
7/15/2021 12:58	0	0	0.023
7/15/2021 12:59	0	0	0.019
7/15/2021 13:00	0	0	0.016
7/15/2021 13:01	0	0	0.015
7/15/2021 13:02	0	0	0.014
7/15/2021 13:03	0	0	0.013
7/15/2021 13:04	0	0	0.012
7/15/2021 13:05	0	0	0.011
7/15/2021 13:06	0	0	0.011
7/15/2021 13:07	0	0	0.01
7/15/2021 13:08	0	0	0.011
7/15/2021 13:09	0	0	0.01
7/15/2021 13:10	0	0	0.01
7/15/2021 13:11	0	0	0.009
7/15/2021 13:12	0	0	0.008
7/15/2021 13:13	0	0	0.008
7/15/2021 13:14	0	0	0.008
7/15/2021 13:15	0	0	0.012

Record of Community Air Monitoring (Upwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 13:16	0	0	0.018
7/15/2021 13:17	0	0	0.016
7/15/2021 13:18	0	0	0.014
7/15/2021 13:19	0	0	0.012
7/15/2021 13:20	0	0	0.011
7/15/2021 13:21	0	0	0.01
7/15/2021 13:22	0	0	0.01
7/15/2021 13:23	0	0	0.009
7/15/2021 13:24	0	0	0.009
7/15/2021 13:25	0	0	0.008
7/15/2021 13:26	0	0	0.008
7/15/2021 13:27	0	0	0.008
7/15/2021 13:28	0	0	0.008
7/15/2021 13:29	0	0	0.008
7/15/2021 13:30	0	0	0.007
7/15/2021 13:31	0	0	0.007
7/15/2021 13:32	0	0	0.007
7/15/2021 13:33	0	0	0.007
7/15/2021 13:34	0	0	0.007
7/15/2021 13:35	0	0	0.007
7/15/2021 13:36	0	0	0.007
7/15/2021 13:37	0	0	0.007
7/15/2021 13:38	0	0	0.007
7/15/2021 13:39	0	0	0.007
7/15/2021 13:40	0	0	0.007
7/15/2021 13:41	0	0	0.007
7/15/2021 13:42	0	0	0.007
7/15/2021 13:43	0	0	0.007
7/15/2021 13:44	0	0	0.007
7/15/2021 13:45	0	0	0.007
7/15/2021 13:46	0	0	0.006
7/15/2021 13:47	0	0	0.007
7/15/2021 13:48	0	0	0.008
7/15/2021 13:49	0	0	0.008
7/15/2021 13:50	0	0	0.007
7/15/2021 13:51	0	0	0.007
7/15/2021 13:52	0	0	0.007
7/15/2021 13:53	0	0	0.007
7/15/2021 13:54	0	0	0.006

Record of Community Air Monitoring (Upwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 13:55	0	0	0.006
7/15/2021 13:56	0	0	0.007
7/15/2021 13:57	0	0	0.007
7/15/2021 13:58	0	0	0.007
7/15/2021 13:59	0	0	0.006
7/15/2021 14:00	0	0	0.006
7/15/2021 14:01	0	0	0.006
7/15/2021 14:02	0	0	0.006
7/15/2021 14:03	0	0	0.006
7/15/2021 14:04	0	0	0.006
7/15/2021 14:05	0	0	0.007
7/15/2021 14:06	0	0	0.009
7/15/2021 14:07	0	0	0.018
7/15/2021 14:08	0	0	0.015
7/15/2021 14:09	0	0	0.013
7/15/2021 14:10	0	0	0.012
7/15/2021 14:11	0	0	0.011
7/15/2021 14:12	0	0	0.01
7/15/2021 14:13	0	0	0.009
7/15/2021 14:14	0	0	0.008
7/15/2021 14:15	0	0	0.008
7/15/2021 14:16	0	0	0.008
7/15/2021 14:17	0	0	0.008
7/15/2021 14:18	0	0	0.008
7/15/2021 14:19	0	0	0.007
7/15/2021 14:20	0	0	0.007
7/15/2021 14:21	0	0	0.007
7/15/2021 14:22	0	0	0.007
7/15/2021 14:23	0	0	0.007
7/15/2021 14:24	0	0	0.007
7/15/2021 14:25	0	0	0.007
7/15/2021 14:26	0	0	0.007
7/15/2021 14:27	0	0	0.006
7/15/2021 14:28	0	0	0.006
7/15/2021 14:29	0	0	0.006
7/15/2021 14:30	0	0	0.006
7/15/2021 14:31	0	0	0.006
7/15/2021 14:32	0	0	0.006
7/15/2021 14:33	0	0	0.006

Record of Community Air Monitoring (Upwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 14:34	0	0	0.006
7/15/2021 14:35	0	0	0.006
7/15/2021 14:36	0	0	0.006
7/15/2021 14:37	0	0	0.006
7/15/2021 14:38	0	0	0.007
7/15/2021 14:39	0	0	0.007
7/15/2021 14:40	0	0	0.007
7/15/2021 14:41	0	0	0.007
7/15/2021 14:42	0	0	0.007
7/15/2021 14:43	0	0	0.007
7/15/2021 14:44	0	0	0.007
7/15/2021 14:45	0	0	0.007
7/15/2021 14:46	0	0	0.006
7/15/2021 14:47	0	0	0.006
7/15/2021 14:48	0	0	0.006
7/15/2021 14:49	0	0	0.006
7/15/2021 14:50	0	0	0.006
7/15/2021 14:51	0	0	0.006
7/15/2021 14:52	0	0	0.007
7/15/2021 14:53	0	0	0.007
7/15/2021 14:54	0	0	0.007
7/15/2021 14:55	0	0	0.007
7/15/2021 14:56	0	0	0.007
7/15/2021 14:57	0	0	0.007
7/15/2021 14:58	0	0	0.007
7/15/2021 14:59	0	0	0.007
7/15/2021 15:00	0	0	0.006
7/15/2021 15:01	0	0	0.006
7/15/2021 15:02	0	0	0.006
7/15/2021 15:03	0	0	0.006
7/15/2021 15:04	0	0	0.006
7/15/2021 15:05	0	0	0.006

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 7:15	0	0	0.041
7/16/2021 7:16	0	0	0.039
7/16/2021 7:17	0	0	0.039
7/16/2021 7:18	0	0	0.038
7/16/2021 7:19	0	0	0.039
7/16/2021 7:20	0	0	0.039
7/16/2021 7:21	0	0	0.037
7/16/2021 7:22	0	0	0.036
7/16/2021 7:23	0	0	0.036
7/16/2021 7:24	0	0	0.034
7/16/2021 7:25	0	0	0.035
7/16/2021 7:26	0	0	0.033
7/16/2021 7:27	0	0	0.033
7/16/2021 7:28	0	0	0.033
7/16/2021 7:29	0	0	0.033
7/16/2021 7:30	0	0	0.033
7/16/2021 7:31	0	0	0.033
7/16/2021 7:32	0	0	0.033
7/16/2021 7:33	0	0	0.033
7/16/2021 7:34	0	0	0.032
7/16/2021 7:35	0	0	0.04
7/16/2021 7:36	0	0	0.039
7/16/2021 7:37	0	0	0.037
7/16/2021 7:38	0	0	0.033
7/16/2021 7:39	0	0	0.032
7/16/2021 7:40	0	0	0.032
7/16/2021 7:41	0	0	0.033
7/16/2021 7:42	0	0	0.032
7/16/2021 7:43	0	0	0.032
7/16/2021 7:44	0	0	0.039
7/16/2021 7:45	0	0	0.034
7/16/2021 7:46	0	0	0.033
7/16/2021 7:47	0	0	0.032
7/16/2021 7:48	0	0	0.032
7/16/2021 7:49	0	0	0.037
7/16/2021 7:50	0	0	0.041
7/16/2021 7:51	0	0	0.031
7/16/2021 7:52	0	0	0.031

Record of Community Air Monitoring (Upwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 7:53	0	0	0.037
7/16/2021 7:54	0	0	0.032
7/16/2021 7:55	0	0	0.039
7/16/2021 7:56	0	0	0.042
7/16/2021 7:57	(a)	(a)	0.041
7/16/2021 7:58	0	0	0.036
7/16/2021 7:59	0	0	0.032
7/16/2021 8:00	0	0	0.031
7/16/2021 8:01	0	0	0.031
7/16/2021 8:02	0	0	0.031
7/16/2021 8:03	0	0	0.03
7/16/2021 8:04	0	0	0.03
7/16/2021 8:05	0	0	0.03
7/16/2021 8:06	0	0	0.03
7/16/2021 8:07	0	0	0.029
7/16/2021 8:08	0	0	0.029
7/16/2021 8:09	0	0	0.03
7/16/2021 8:10	0	0	0.029
7/16/2021 8:11	0	0	0.029
7/16/2021 8:12	0	0	0.029
7/16/2021 8:13	0	0	0.032
7/16/2021 8:14	0	0	0.029
7/16/2021 8:15	0	0	0.033
7/16/2021 8:16	0	0	0.029
7/16/2021 8:17	0	0	0.029
7/16/2021 8:18	0	0	0.029
7/16/2021 8:19	0	0	0.028
7/16/2021 8:20	0	0	0.028
7/16/2021 8:21	0	0	0.041
7/16/2021 8:22	(a)	(a)	0.043
7/16/2021 8:23	(a)	(a)	0.042
7/16/2021 8:24	(a)	(a)	0.044
7/16/2021 8:25	(a)	(a)	0.044
7/16/2021 8:26	(a)	(a)	0.041
7/16/2021 8:27	0	0	0.041
7/16/2021 8:28	0	0	0.04
7/16/2021 8:29	0	0	0.04
7/16/2021 8:30	0	0	0.042

Record of Community Air Monitoring (Upwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 8:31	0	0	0.039
7/16/2021 8:32	0	0	0.039
7/16/2021 8:33	0.2	0	0.04
7/16/2021 8:34	0.1	0	0.04
7/16/2021 8:35	0	0	0.039
7/16/2021 8:36	0	0	0.038
7/16/2021 8:37	0	0	0.039
7/16/2021 8:38	0	0	0.042
7/16/2021 8:39	0	0	0.041
7/16/2021 8:40	0	0	0.043
7/16/2021 8:41	0	0	0.038
7/16/2021 8:42	0	0	0.038
7/16/2021 8:43	0	0	0.038
7/16/2021 8:44	0	0	0.039
7/16/2021 8:45	0	0	0.04
7/16/2021 8:46	0	0	0.037
7/16/2021 8:47	0	0	0.037
7/16/2021 8:48	0	0	0.037
7/16/2021 8:49	0	0	0.039
7/16/2021 8:50	0	0	0.037
7/16/2021 8:51	0	0	0.036
7/16/2021 8:52	0	0	0.036
7/16/2021 8:53	0	0	0.036
7/16/2021 8:54	0	0	0.036
7/16/2021 8:55	0	0	0.035
7/16/2021 8:56	0	0	0.041
7/16/2021 8:57	0	0	0.038
7/16/2021 8:58	0	0	0.038
7/16/2021 8:59	0	0	0.037
7/16/2021 9:00	0	0	0.036
7/16/2021 9:01	0	0	0.037
7/16/2021 9:02	0	0	0.036
7/16/2021 9:03	0	0	0.036
7/16/2021 9:04	0	0	0.035
7/16/2021 9:05	0	0	0.035
7/16/2021 9:06	0	0	0.036
7/16/2021 9:07	0	0	0.035
7/16/2021 9:08	0	0	0.035

Record of Community Air Monitoring (Upwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 9:09	0	0	0.035
7/16/2021 9:10	0	0	0.035
7/16/2021 9:11	0	0	0.035
7/16/2021 9:12	0	0	0.035
7/16/2021 9:13	0	0	0.035
7/16/2021 9:14	0	0	0.035
7/16/2021 9:15	0	0	0.035
7/16/2021 9:16	0	0	0.035
7/16/2021 9:17	0	0	0.035
7/16/2021 9:18	0	0	0.035
7/16/2021 9:19	0	0	0.035
7/16/2021 9:20	0	0	0.035
7/16/2021 9:21	0	0	0.036
7/16/2021 9:22	0	0	0.036
7/16/2021 9:23	0	0	0.036
7/16/2021 9:24	0	0	0.035
7/16/2021 9:25	0	0	0.035
7/16/2021 9:26	0	0	0.036
7/16/2021 9:27	0	0	0.036
7/16/2021 9:28	0	0	0.036
7/16/2021 9:29	0	0	0.036
7/16/2021 9:30	0	0	0.036
7/16/2021 9:31	0	0	0.037
7/16/2021 9:32	0	0	0.036
7/16/2021 9:33	0	0	0.036
7/16/2021 9:34	0	0	0.037
7/16/2021 9:35	0	0	0.036
7/16/2021 9:36	0	0	0.037
7/16/2021 9:37	0	0	0.037
7/16/2021 9:38	0	0	0.038
7/16/2021 9:39	0	0	0.037
7/16/2021 9:40	0	0	0.037
7/16/2021 9:41	0	0	0.037
7/16/2021 9:42	0	0	0.037
7/16/2021 9:43	0	0	0.037
7/16/2021 9:44	0	0	0.037
7/16/2021 9:45	0	0	0.037
7/16/2021 9:46	0	0	0.037

Record of Community Air Monitoring (Upwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 9:47	0	0	0.037
7/16/2021 9:48	0	0	0.037
7/16/2021 9:49	0	0	0.038
7/16/2021 9:50	0	0	0.037
7/16/2021 9:51	0	0	0.037
7/16/2021 9:52	0	0	0.038
7/16/2021 9:53	0	0	0.038
7/16/2021 9:54	0	0	0.038
7/16/2021 9:55	0	0	0.038
7/16/2021 9:56	0	0	0.038
7/16/2021 9:57	0	0	0.039
7/16/2021 9:58	0	0	0.039
7/16/2021 9:59	0	0	0.038
7/16/2021 10:00	0	0	0.038
7/16/2021 10:01	0	0	0.038
7/16/2021 10:02	0	0	0.038
7/16/2021 10:03	0	0	0.039
7/16/2021 10:04	0	0	0.038
7/16/2021 10:05	0	0	0.039
7/16/2021 10:06	0	0	0.038
7/16/2021 10:07	0	0	0.039
7/16/2021 10:08	0	0	0.039
7/16/2021 10:09	0	0	0.039
7/16/2021 10:10	0	0	0.039
7/16/2021 10:11	0	0	0.039
7/16/2021 10:12	0	0	0.039
7/16/2021 10:13	0	0	0.039
7/16/2021 10:14	0	0	0.038
7/16/2021 10:15	0	0	0.039
7/16/2021 10:16	0	0	0.039
7/16/2021 10:17	0	0	0.039
7/16/2021 10:18	0	0	0.039
7/16/2021 10:19	0	0	0.039
7/16/2021 10:20	0	0	0.039
7/16/2021 10:21	0	0	0.039
7/16/2021 10:22	0	0	0.039
7/16/2021 10:23	0	0	0.039
7/16/2021 10:24	0	0	0.039

Record of Community Air Monitoring (Upwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 10:25	0	0	0.04
7/16/2021 10:26	0	0	0.039
7/16/2021 10:27	0	0	0.038
7/16/2021 10:28	0	0	0.039
7/16/2021 10:29	0	0	0.039
7/16/2021 10:30	0	0	0.039
7/16/2021 10:31	0	0	0.038
7/16/2021 10:32	0	0	0.038
7/16/2021 10:33	0	0	0.038
7/16/2021 10:34	0	0	0.038
7/16/2021 10:35	0	0	0.038
7/16/2021 10:36	0	0	0.038
7/16/2021 10:37	0	0	0.038
7/16/2021 10:38	0	0	0.038
7/16/2021 10:39	0	0	0.038
7/16/2021 10:40	0	0	0.038
7/16/2021 10:41	0	0	0.038
7/16/2021 10:42	0	0	0.037
7/16/2021 10:43	0	0	0.038
7/16/2021 10:44	0	0	0.038
7/16/2021 10:45	0	0	0.038
7/16/2021 10:46	0	0	0.038
7/16/2021 10:47	0	0	0.038
7/16/2021 10:48	0	0	0.038
7/16/2021 10:49	0	0	0.038
7/16/2021 10:50	0	0	0.038
7/16/2021 10:51	0	0	0.038
7/16/2021 10:52	0	0	0.039
7/16/2021 10:53	0	0	0.04
7/16/2021 10:54	0	0	0.041
7/16/2021 10:55	0	0	0.04
7/16/2021 10:56	0	0	0.04
7/16/2021 10:57	0	0	0.04
7/16/2021 10:58	0	0	0.04
7/16/2021 10:59	0	0	0.041
7/16/2021 11:00	0	0	0.04
7/16/2021 11:01	0	0	0.04
7/16/2021 11:02	0	0	0.04

Record of Community Air Monitoring (Upwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 11:03	0	0	0.04
7/16/2021 11:04	0	0	0.041
7/16/2021 11:05	0	0	0.039
7/16/2021 11:06	0	0	0.038
7/16/2021 11:07	0	0	0.04
7/16/2021 11:08	0	0	0.039
7/16/2021 11:09	0	0	0.039
7/16/2021 11:10	0	0	0.038
7/16/2021 11:11	0	0	0.038
7/16/2021 11:12	0	0	0.038
7/16/2021 11:13	0	0	0.038
7/16/2021 11:14	0	0	0.038
7/16/2021 11:15	0	0	0.039
7/16/2021 11:16	0	0	0.039
7/16/2021 11:17	0	0	0.039
7/16/2021 11:18	0	0	0.039
7/16/2021 11:19	0	0	0.039
7/16/2021 11:20	0	0	0.039
7/16/2021 11:21	0	0	0.039
7/16/2021 11:22	0	0	0.04
7/16/2021 11:23	0	0	0.041
7/16/2021 11:24	0	0	0.04
7/16/2021 11:25	0	0	0.041
7/16/2021 11:26	0	0	0.04
7/16/2021 11:27	0	0	0.04
7/16/2021 11:28	0	0	0.039
7/16/2021 11:29	0	0	0.039
7/16/2021 11:30	0	0	0.039
7/16/2021 11:31	0	0	0.039
7/16/2021 11:32	0	0	0.039
7/16/2021 11:33	0	0	0.04
7/16/2021 11:34	0	0	0.039
7/16/2021 11:35	0	0	0.039
7/16/2021 11:36	0	0	0.042
7/16/2021 11:37	0	0	0.044
7/16/2021 11:38	0	0	0.039
7/16/2021 11:39	0	0	0.04
7/16/2021 11:40	0	0	0.041

Record of Community Air Monitoring (Upwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 11:41	0	0	0.039
7/16/2021 11:42	0	0	0.039
7/16/2021 11:43	0	0	0.04
7/16/2021 11:44	0	0	0.039
7/16/2021 11:45	0	0	0.039
7/16/2021 11:46	0	0	0.047
7/16/2021 11:47	0	0	0.046
7/16/2021 11:48	0	0	0.039
7/16/2021 11:49	0	0	0.039
7/16/2021 11:50	0	0	0.04
7/16/2021 11:51	0	0	0.039
7/16/2021 11:52	0	0	0.04
7/16/2021 11:53	0	0	0.039
7/16/2021 11:54	0	0	0.039
7/16/2021 11:55	0	0	0.044
7/16/2021 11:56	0	0	0.039
7/16/2021 11:57	0	0	0.039
7/16/2021 11:58	0	0	0.039
7/16/2021 11:59	0	0	0.039
7/16/2021 12:00	0	0	0.039
7/16/2021 12:01	0	0	0.04
7/16/2021 12:02	0	0	0.039
7/16/2021 12:03	0	0	0.039
7/16/2021 12:04	0	0	0.04
7/16/2021 12:05	0	0	0.039
7/16/2021 12:06	0	0	0.039
7/16/2021 12:07	0	0	0.039
7/16/2021 12:08	0	0	0.038
7/16/2021 12:09	0	0	0.038
7/16/2021 12:10	0	0	0.038
7/16/2021 12:11	0	0	0.039
7/16/2021 12:12	0	0	0.039
7/16/2021 12:13	0	0	0.04
7/16/2021 12:14	0	0	0.04
7/16/2021 12:15	0	0	0.04
7/16/2021 12:16	0	0	0.041
7/16/2021 12:17	0	0	0.04
7/16/2021 12:18	0	0	0.042

Record of Community Air Monitoring (Upwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 12:19	0	0	0.039
7/16/2021 12:20	0	0	0.04
7/16/2021 12:21	0	0	0.04
7/16/2021 12:22	0	0	0.042
7/16/2021 12:23	0	0	0.041
7/16/2021 12:24	0	0	0.041
7/16/2021 12:25	0	0	0.04
7/16/2021 12:26	0	0	0.04
7/16/2021 12:27	0	0	0.04
7/16/2021 12:28	0	0	0.04
7/16/2021 12:29	0	0	0.04
7/16/2021 12:30	0	0	0.051
7/16/2021 12:31	0	0	0.041
7/16/2021 12:32	0	0	0.04
7/16/2021 12:33	0	0	0.04
7/16/2021 12:34	0	0	0.039
7/16/2021 12:35	0	0	0.039
7/16/2021 12:36	0	0	0.039
7/16/2021 12:37	0	0	0.039
7/16/2021 12:38	0	0	0.039
7/16/2021 12:39	0	0	0.039
7/16/2021 12:40	0	0	0.039
7/16/2021 12:41	0	0	0.038
7/16/2021 12:42	0	0	0.039
7/16/2021 12:43	0	0	0.039
7/16/2021 12:44	0	0	0.04

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 7:50	0	0	0
7/19/2021 7:51	0	0	0
7/19/2021 7:52	0	0	0
7/19/2021 7:53	0	0	0
7/19/2021 7:54	0	0	0
7/19/2021 7:55	0	0	0
7/19/2021 7:56	0	0	0
7/19/2021 7:57	0	0	0
7/19/2021 7:58	0	0	0
7/19/2021 7:59	0	0	0
7/19/2021 8:00	0	0	0
7/19/2021 8:01	0	0	0
7/19/2021 8:02	0	0	0
7/19/2021 8:03	0	0	0
7/19/2021 8:04	0	0	0
7/19/2021 8:05	0	0	0
7/19/2021 8:06	0	0	0
7/19/2021 8:07	0	0	0
7/19/2021 8:08	0	0	0
7/19/2021 8:09	0	0	0
7/19/2021 8:10	0	0	0
7/19/2021 8:11	0	0	0
7/19/2021 8:12	0	0	0.001
7/19/2021 8:13	0	0	0.002
7/19/2021 8:14	0	0	0.001
7/19/2021 8:15	0	0	0
7/19/2021 8:16	0	0	0
7/19/2021 8:17	0	0	0
7/19/2021 8:18	0	0	0
7/19/2021 8:19	0	0	0
7/19/2021 8:20	0	0	0
7/19/2021 8:21	0	0	0
7/19/2021 8:22	0	0	0
7/19/2021 8:23	0	0	0
7/19/2021 8:24	0	0	0
7/19/2021 8:25	0	0	0
7/19/2021 8:26	0	0	0

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 8:27	0	0	0
7/19/2021 8:28	0	0	0.001
7/19/2021 8:29	0	0	0
7/19/2021 8:30	0	0	0
7/19/2021 8:31	0	0	0
7/19/2021 8:32	0	0	0
7/19/2021 8:33	0	0	0.001
7/19/2021 8:34	0	0	0
7/19/2021 8:35	0	0	0.001
7/19/2021 8:36	0	0	0.001
7/19/2021 8:37	0	0	0.001
7/19/2021 8:38	0	0	0.001
7/19/2021 8:39	0	0	0.001
7/19/2021 8:40	0	0	0.001
7/19/2021 8:41	0	0	0.001
7/19/2021 8:42	0	0	0
7/19/2021 8:43	0	0	0.001
7/19/2021 8:44	0	0	0.001
7/19/2021 8:45	0	0	0.001
7/19/2021 8:46	0	0	0
7/19/2021 8:47	0	0	0
7/19/2021 8:48	0	0	0.001
7/19/2021 8:49	0	0	0
7/19/2021 8:50	0	0	0
7/19/2021 8:51	0	0	0
7/19/2021 8:52	0	0	0.002
7/19/2021 8:53	0	0	0.001
7/19/2021 8:54	0	0	0.001
7/19/2021 8:55	0	0	0.001
7/19/2021 8:56	0	0	0.002
7/19/2021 8:57	0	0	0.002
7/19/2021 8:58	0	0	0.002
7/19/2021 8:59	0	0	0.002
7/19/2021 9:00	0	0	0.002
7/19/2021 9:01	0	0	0.002
7/19/2021 9:02	0	0	0.001
7/19/2021 9:03	0	0	0.001

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 9:04	0	0	0
7/19/2021 9:05	0	0	0
7/19/2021 9:06	0	0	0
7/19/2021 9:07	0	0	0
7/19/2021 9:08	0	0	0
7/19/2021 9:09	0	0	0
7/19/2021 9:10	0	0	0
7/19/2021 9:11	0	0	0.001
7/19/2021 9:12	0	0	0
7/19/2021 9:13	0	0	0
7/19/2021 9:14	0	0	0.001
7/19/2021 9:15	0	0	0
7/19/2021 9:16	0	0	0
7/19/2021 9:17	0	0	0.001
7/19/2021 9:18	0	0	0.001
7/19/2021 9:19	0	0	0
7/19/2021 9:20	0	0	0
7/19/2021 9:21	0	0	0.001
7/19/2021 9:22	0	0	0
7/19/2021 9:23	0	0	0
7/19/2021 9:24	0	0	0
7/19/2021 9:25	0	0	0.001
7/19/2021 9:26	0	0	0.001
7/19/2021 9:27	0	0	0.001
7/19/2021 9:28	0	0	0.001
7/19/2021 9:29	0	0	0.001
7/19/2021 9:30	0	0	0.001
7/19/2021 9:31	0	0	0
7/19/2021 9:32	0	0	0
7/19/2021 9:33	0	0	0
7/19/2021 9:34	0	0	0
7/19/2021 9:35	0	0	0
7/19/2021 9:36	0	0	0
7/19/2021 9:37	0	0	0.001
7/19/2021 9:38	0	0	0
7/19/2021 9:39	0	0	0
7/19/2021 9:40	0	0	0

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 9:41	0	0	0.001
7/19/2021 9:42	0	0	0
7/19/2021 9:43	0	0	0
7/19/2021 9:44	0	0	0
7/19/2021 9:45	0	0	0
7/19/2021 9:46	0	0	0
7/19/2021 9:47	0	0	0
7/19/2021 9:48	0	0	0
7/19/2021 9:49	0	0	0
7/19/2021 9:50	0	0	0
7/19/2021 9:51	0	0	0.001
7/19/2021 9:52	0	0	0.006
7/19/2021 9:53	0	0	0.004
7/19/2021 9:54	0	0	0.004
7/19/2021 9:55	0	0	0.004
7/19/2021 9:56	0	0	0.004
7/19/2021 9:57	0	0	0.004
7/19/2021 9:58	0	0	0.004
7/19/2021 9:59	0	0	0.004
7/19/2021 10:00	0	0	0.004
7/19/2021 10:01	0	0	0.004
7/19/2021 10:02	0	0	0.004
7/19/2021 10:03	0	0	0.004
7/19/2021 10:04	0	0	0.004
7/19/2021 10:05	0	0	0.004
7/19/2021 10:06	0	0	0.004
7/19/2021 10:07	0	0	0.004
7/19/2021 10:08	0	0	0.004
7/19/2021 10:09	0	0	0.004
7/19/2021 10:10	0	0	0.004
7/19/2021 10:11	0	0	0.004
7/19/2021 10:12	0	0	0.004
7/19/2021 10:13	0	0	0.004
7/19/2021 10:14	0	0	0.004
7/19/2021 10:15	0	0	0.004
7/19/2021 10:16	0	0	0.004
7/19/2021 10:17	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 10:18	0	0	0.004
7/19/2021 10:19	0	0	0.004
7/19/2021 10:20	0	0	0.004
7/19/2021 10:21	0	0	0.004
7/19/2021 10:22	0	0	0.004
7/19/2021 10:23	0	0	0.004
7/19/2021 10:24	0	0	0.004
7/19/2021 10:25	0	0	0.004
7/19/2021 10:26	0	0	0.004
7/19/2021 10:27	0	0	0.004
7/19/2021 10:28	0	0	0.004
7/19/2021 10:29	0	0	0.004
7/19/2021 10:30	0	0	0.004
7/19/2021 10:31	0	0	0.004
7/19/2021 10:32	0	0	0.004
7/19/2021 10:33	0	0	0.004
7/19/2021 10:34	0	0	0.004
7/19/2021 10:35	0	0	0.004
7/19/2021 10:36	0	0	0.004
7/19/2021 10:37	0	0	0.004
7/19/2021 10:38	0	0	0.004
7/19/2021 10:39	0	0	0.004
7/19/2021 10:40	0	0	0.004
7/19/2021 10:41	0	0	0.004
7/19/2021 10:42	0	0	0.004
7/19/2021 10:43	0	0	0.004
7/19/2021 10:44	0	0	0.004
7/19/2021 10:45	0	0	0.004
7/19/2021 10:46	0	0	0.004
7/19/2021 10:47	0	0	0.004
7/19/2021 10:48	0	0	0.004
7/19/2021 10:49	0	0	0.004
7/19/2021 10:50	0	0	0.004
7/19/2021 10:51	0	0	0.004
7/19/2021 10:52	0	0	0.004
7/19/2021 10:53	0	0	0.004
7/19/2021 10:54	0	0	0.004

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 10:55	0	0	0.004
7/19/2021 10:56	0	0	0.004
7/19/2021 10:57	0	0	0.004
7/19/2021 10:58	0	0	0.004
7/19/2021 10:59	0	0	0.004
7/19/2021 11:00	0	0	0.004
7/19/2021 11:01	0	0	0.005
7/19/2021 11:02	0	0	0.004
7/19/2021 11:03	0	0	0.004
7/19/2021 11:04	0	0	0.004
7/19/2021 11:05	0	0	0.004
7/19/2021 11:06	0	0	0.004
7/19/2021 11:07	0	0	0.004
7/19/2021 11:08	0	0	0.004
7/19/2021 11:09	0	0	0.005
7/19/2021 11:10	0	0	0.005
7/19/2021 11:11	0	0	0.004
7/19/2021 11:12	0	0	0.005
7/19/2021 11:13	0	0	0.004
7/19/2021 11:14	0	0	0.004
7/19/2021 11:15	0	0	0.004
7/19/2021 11:16	0	0	0.004
7/19/2021 11:17	0	0	0.004
7/19/2021 11:18	0	0	0.004
7/19/2021 11:19	0	0	0.004
7/19/2021 11:20	0	0	0.004
7/19/2021 11:21	0	0	0.005
7/19/2021 11:22	0	0	0.004
7/19/2021 11:23	0	0	0.004
7/19/2021 11:24	0	0	0.004
7/19/2021 11:25	0	0	0.004
7/19/2021 11:26	0	0	0.004
7/19/2021 11:27	0	0	0.006
7/19/2021 11:28	0	0	0.004
7/19/2021 11:29	0	0	0.004
7/19/2021 11:30	0	0	0.004
7/19/2021 11:31	0	0	0.004

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 11:32	0	0	0.004
7/19/2021 11:33	0	0	0.004
7/19/2021 11:34	0	0	0.004
7/19/2021 11:35	0	0	0.004
7/19/2021 11:36	0	0	0.005
7/19/2021 11:37	0	0	0.005
7/19/2021 11:38	0	0	0.005
7/19/2021 11:39	0	0	0.005
7/19/2021 11:40	0	0	0.005
7/19/2021 11:41	0	0	0.004
7/19/2021 11:42	0	0	0.004
7/19/2021 11:43	0	0	0.005
7/19/2021 11:44	0	0	0.005
7/19/2021 11:45	0	0	0.005
7/19/2021 11:46	0	0	0.005
7/19/2021 11:47	0	0	0.005
7/19/2021 11:48	0	0	0.005
7/19/2021 11:49	0	0	0.005
7/19/2021 11:50	0	0	0.005
7/19/2021 11:51	0	0	0.005
7/19/2021 11:52	0	0	0.005
7/19/2021 11:53	0	0	0.005
7/19/2021 11:54	0	0	0.005
7/19/2021 11:55	0	0	0.005
7/19/2021 11:56	0	0	0.005
7/19/2021 11:57	0	0	0.005
7/19/2021 11:58	0	0	0.005
7/19/2021 11:59	0	0	0.005
7/19/2021 12:00	0	0	0.005
7/19/2021 12:01	0	0	0.005
7/19/2021 12:02	0	0	0.005
7/19/2021 12:03	0	0	0.005
7/19/2021 12:04	0	0	0.005
7/19/2021 12:05	0	0	0.005
7/19/2021 12:06	0	0	0.005
7/19/2021 12:07	0	0	0.005
7/19/2021 12:08	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 12:09	0	0	0.005
7/19/2021 12:10	0	0	0.005
7/19/2021 12:11	0	0	0.005
7/19/2021 12:12	0	0	0.005
7/19/2021 12:13	0	0	0.005
7/19/2021 12:14	0	0	0.005
7/19/2021 12:15	0	0	0.005
7/19/2021 12:16	0	0	0.005
7/19/2021 12:17	0	0	0.005
7/19/2021 12:18	0	0	0.005
7/19/2021 12:19	0	0	0.005
7/19/2021 12:20	0	0	0.005
7/19/2021 12:21	0	0	0.005
7/19/2021 12:22	0	0	0.005
7/19/2021 12:23	0	0	0.005
7/19/2021 12:24	0	0	0.005
7/19/2021 12:25	0	0	0.005
7/19/2021 12:26	0	0	0.005
7/19/2021 12:27	0	0	0.005
7/19/2021 12:28	0	0	0.005
7/19/2021 12:29	0	0	0.005
7/19/2021 12:30	0	0	0.005
7/19/2021 12:31	0	0	0.005
7/19/2021 12:32	0	0	0.005
7/19/2021 12:33	0	0	0.005
7/19/2021 12:34	0	0	0.005
7/19/2021 12:35	0	0	0.005
7/19/2021 12:36	0	0	0.005
7/19/2021 12:37	0	0	0.005
7/19/2021 12:38	0	0	0.005
7/19/2021 12:39	0	0	0.005
7/19/2021 12:40	0	0	0.005
7/19/2021 12:41	0	0	0.005
7/19/2021 12:42	0	0	0.005
7/19/2021 12:43	0	0	0.005
7/19/2021 12:44	0	0	0.009
7/19/2021 12:45	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 12:46	0	0	0.005
7/19/2021 12:47	0	0	0.005
7/19/2021 12:48	0	0	0.005
7/19/2021 12:49	0	0	0.005
7/19/2021 12:50	0	0	0.005
7/19/2021 12:51	0	0	0.005
7/19/2021 12:52	0	0	0.005
7/19/2021 12:53	0	0	0.005
7/19/2021 12:54	0	0	0.005
7/19/2021 12:55	0	0	0.005
7/19/2021 12:56	0	0	0.005
7/19/2021 12:57	0	0	0.006
7/19/2021 12:58	0	0	0.005
7/19/2021 12:59	0	0	0.005
7/19/2021 13:00	0	0	0.005
7/19/2021 13:01	0	0	0.006
7/19/2021 13:02	0	0	0.005
7/19/2021 13:03	0	0	0.005
7/19/2021 13:04	0	0	0.006
7/19/2021 13:05	0	0	0.006
7/19/2021 13:06	0	0	0.006
7/19/2021 13:07	0	0	0.006
7/19/2021 13:08	0	0	0.006
7/19/2021 13:09	0	0	0.006
7/19/2021 13:10	0	0	0.006
7/19/2021 13:11	0	0	0.006
7/19/2021 13:12	0	0	0.006
7/19/2021 13:13	0	0	0.006
7/19/2021 13:14	0	0	0.006
7/19/2021 13:15	0	0	0.006
7/19/2021 13:16	0	0	0.006
7/19/2021 13:17	0	0	0.006
7/19/2021 13:18	0	0	0.006
7/19/2021 13:19	0	0	0.006
7/19/2021 13:20	0	0	0.006
7/19/2021 13:21	0	0	0.006
7/19/2021 13:22	0	0	0.006

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 13:23	0	0	0.006
7/19/2021 13:24	0	0	0.006
7/19/2021 13:25	0	0	0.006
7/19/2021 13:26	0	0	0.006
7/19/2021 13:27	0	0	0.006
7/19/2021 13:28	0	0	0.006
7/19/2021 13:29	0	0	0.006
7/19/2021 13:30	0	0	0.006
7/19/2021 13:31	0	0	0.006
7/19/2021 13:32	0	0	0.006
7/19/2021 13:33	0	0	0.005
7/19/2021 13:34	0	0	0.005
7/19/2021 13:35	0	0	0.005
7/19/2021 13:36	0	0	0.005
7/19/2021 13:37	0	0	0.006
7/19/2021 13:38	0	0	0.006
7/19/2021 13:39	0	0	0.005
7/19/2021 13:40	0	0	0.005
7/19/2021 13:41	0	0	0.005
7/19/2021 13:42	0	0	0.005
7/19/2021 13:43	0	0	0.005
7/19/2021 13:44	0	0	0.006
7/19/2021 13:45	0	0	0.006
7/19/2021 13:46	0	0	0.005
7/19/2021 13:47	0	0	0.006
7/19/2021 13:48	0	0	0.005
7/19/2021 13:49	0	0	0.005
7/19/2021 13:50	0	0	0.006
7/19/2021 13:51	0	0	0.006
7/19/2021 13:52	0	0	0.006
7/19/2021 13:53	0	0	0.006
7/19/2021 13:54	0	0	0.006
7/19/2021 13:55	0	0	0.006
7/19/2021 13:56	0	0	0.006
7/19/2021 13:57	0	0	0.006
7/19/2021 13:58	0	0	0.006
7/19/2021 13:59	0	0	0.006

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 14:00	0	0	0.006
7/19/2021 14:01	0	0	0.006
7/19/2021 14:02	0	0	0.006
7/19/2021 14:03	0	0	0.006
7/19/2021 14:04	0	0	0.005
7/19/2021 14:05	0	0	0.005
7/19/2021 14:06	0	0	0.005
7/19/2021 14:07	0	0	0.005
7/19/2021 14:08	0	0	0.005
7/19/2021 14:09	0	0	0.005
7/19/2021 14:10	0	0	0.005
7/19/2021 14:11	0	0	0.005
7/19/2021 14:12	0	0	0.005
7/19/2021 14:13	0	0	0.005
7/19/2021 14:14	0	0	0.005
7/19/2021 14:15	0	0	0.005
7/19/2021 14:16	0	0	0.005
7/19/2021 14:17	0	0	0.005
7/19/2021 14:18	0	0	0.005
7/19/2021 14:19	0	0	0.005
7/19/2021 14:20	0	0	0.005
7/19/2021 14:21	0	0	0.005
7/19/2021 14:22	0	0	0.005
7/19/2021 14:23	0	0	0.005
7/19/2021 14:24	0	0	0.005
7/19/2021 14:25	0	0	0.005
7/19/2021 14:26	0	0	0.005
7/19/2021 14:27	0	0	0.005
7/19/2021 14:28	0	0	0.007
7/19/2021 14:29	0	0	0.007
7/19/2021 14:30	0	0	0.005
7/19/2021 14:31	0	0	0.005
7/19/2021 14:32	0	0	0.005
7/19/2021 14:33	0	0	0.006
7/19/2021 14:34	0	0	0.005
7/19/2021 14:35	0	0	0.005
7/19/2021 14:36	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 14:37	0	0	0.006
7/19/2021 14:38	0	0	0.006
7/19/2021 14:39	0	0	0.006
7/19/2021 14:40	0	0	0.006
7/19/2021 14:41	0	0	0.006
7/19/2021 14:42	0	0	0.006
7/19/2021 14:43	0	0	0.006
7/19/2021 14:44	0	0	0.006
7/19/2021 14:45	0	0	0.006
7/19/2021 14:46	0	0	0.006
7/19/2021 14:47	0	0	0.006
7/19/2021 14:48	0	0	0.007
7/19/2021 14:49	0	0	0.006
7/19/2021 14:50	0	0	0.006
7/19/2021 14:51	0	0	0.006
7/19/2021 14:52	0	0	0.006
7/19/2021 14:53	0	0	0.006
7/19/2021 14:54	0	0	0.006
7/19/2021 14:55	0	0	0.006
7/19/2021 14:56	0	0	0.006
7/19/2021 14:57	0	0	0.006
7/19/2021 14:58	0	0	0.006
7/19/2021 14:59	0	0	0.006
7/19/2021 15:00	0	0	0.006
7/19/2021 15:01	0	0	0.006
7/19/2021 15:02	0	0	0.006
7/19/2021 15:03	0	0	0.006
7/19/2021 15:04	0	0	0.005
7/19/2021 15:05	0	0	0.006
7/19/2021 15:06	0	0	0.006
7/19/2021 15:07	0	0	0.005
7/19/2021 15:08	0	0	0.006
7/19/2021 15:09	0	0	0.006
7/19/2021 15:10	0	0	0.006
7/19/2021 15:11	0	0	0.006
7/19/2021 15:12	0	0	0.006
7/19/2021 15:13	0	0	0.006

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 15:14	0	0	0.006
7/19/2021 15:15	0	0	0.01
7/19/2021 15:16	0	0	0.007
7/19/2021 15:17	0	0	0.006
7/19/2021 15:18	0	0	0.006
7/19/2021 15:19	0	0	0.006
7/19/2021 15:20	0	0	0.007
7/19/2021 15:21	0	0	0.006
7/19/2021 15:22	0	0	0.006
7/19/2021 15:23	0	0	0.006
7/19/2021 15:24	0	0	0.006
7/19/2021 15:25	0	0	0.006
7/19/2021 15:26	0	0	0.006
7/19/2021 15:27	0	0	0.006
7/19/2021 15:28	0	0	0.006
7/19/2021 15:29	0	0	0.006
7/19/2021 15:30	0	0	0.006
7/19/2021 15:31	0	0	0.006
7/19/2021 15:32	0	0	0.006
7/19/2021 15:33	0	0	0.006
7/19/2021 15:34	0	0	0.006
7/19/2021 15:35	0	0	0.006
7/19/2021 15:36	0	0	0.006
7/19/2021 15:37	0	0	0.006
7/19/2021 15:38	0	0	0.006
7/19/2021 15:39	0	0	0.006
7/19/2021 15:40	0	0	0.006
7/19/2021 15:41	0	0	0.006
7/19/2021 15:42	0	0	0.006
7/19/2021 15:43	0	0	0.005
7/19/2021 15:44	0	0	0.005
7/19/2021 15:45	0	0	0.005
7/19/2021 15:46	0	0	0.006
7/19/2021 15:47	0	0	0.005
7/19/2021 15:48	0	0	0.005
7/19/2021 15:49	0	0	0.005
7/19/2021 15:50	0	0	0.006

Record of Community Air Monitoring (Upwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 15:51	0	0	0.006
7/19/2021 15:52	0	0	0.006
7/19/2021 15:53	0	0	0.006
7/19/2021 15:54	0	0	0.006
7/19/2021 15:55	0	0	0.005
7/19/2021 15:56	0	0	0.005
7/19/2021 15:57	0	0	0.005
7/19/2021 15:58	0	0	0.006
7/19/2021 15:59	0	0	0.006
7/19/2021 16:00	0	0	0.005
7/19/2021 16:01	0	0	0.006

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 9:32	0	0	0.106
7/20/2021 9:33	0	0	0.106
7/20/2021 9:34	0	0	0.105
7/20/2021 9:35	0	0	0.104
7/20/2021 9:36	0	0	0.103
7/20/2021 9:37	0	0	0.103
7/20/2021 9:38	0	0	0.102
7/20/2021 9:39	0	0	0.101
7/20/2021 9:40	0	0	0.101
7/20/2021 9:41	0	0	0.1
7/20/2021 9:42	0	0	0.099
7/20/2021 9:43	0	0	0.1
7/20/2021 9:44	0	0	0.104
7/20/2021 9:45	0	0	0.102
7/20/2021 9:46	0	0	0.102
7/20/2021 9:47	0	0	0.104
7/20/2021 9:48	0	0	0.101
7/20/2021 9:49	0	0	0.099
7/20/2021 9:50	0	0	0.099
7/20/2021 9:51	0	0	0.115
7/20/2021 9:52	0	0	0.116
7/20/2021 9:53	0	0	0.119
7/20/2021 9:54	(a)	(a)	0.116
7/20/2021 9:55	(a)	(a)	0.114
7/20/2021 9:56	0	0	0.113
7/20/2021 9:57	0	0	0.112
7/20/2021 9:58	0	0	0.117
7/20/2021 9:59	0	0	0.114
7/20/2021 10:00	0	0	0.117
7/20/2021 10:01	0	0	0.111
7/20/2021 10:02	0	0	0.111
7/20/2021 10:03	0	0	0.112
7/20/2021 10:04	0	0	0.111
7/20/2021 10:05	0	0	0.112
7/20/2021 10:06	0	0	0.111
7/20/2021 10:07	0	0	0.112
7/20/2021 10:08	0	0	0.113

Record of Community Air Monitoring (Upwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 10:09	0	0	0.12
7/20/2021 10:10	0	0	0.118
7/20/2021 10:11	0	0	0.116
7/20/2021 10:12	0	0	0.118
7/20/2021 10:13	0	0	0.118
7/20/2021 10:14	0	0	0.119
7/20/2021 10:15	0	0	0.119
7/20/2021 10:16	0	0	0.119
7/20/2021 10:17	0	0	0.119
7/20/2021 10:18	0	0	0.118
7/20/2021 10:19	0	0	0.118
7/20/2021 10:20	0	0	0.116
7/20/2021 10:21	0	0	0.117
7/20/2021 10:22	0	0	0.117
7/20/2021 10:23	0	0	0.117
7/20/2021 10:24	0	0	0.118
7/20/2021 10:25	0	0	0.117
7/20/2021 10:26	0	0	0.118
7/20/2021 10:27	0	0	0.118
7/20/2021 10:28	0	0	0.129
7/20/2021 10:29	0	0	0.119
7/20/2021 10:30	0	0	0.12
7/20/2021 10:31	0	0	0.118
7/20/2021 10:32	0	0	0.118
7/20/2021 10:33	0	0	0.117
7/20/2021 10:34	0	0	0.116
7/20/2021 10:35	0	0	0.117
7/20/2021 10:36	0	0	0.117
7/20/2021 10:37	0	0	0.116
7/20/2021 10:38	0	0	0.117
7/20/2021 10:39	0	0	0.117
7/20/2021 10:40	0	0	0.116
7/20/2021 10:41	0	0	0.116
7/20/2021 10:42	0	0	0.119
7/20/2021 10:43	0	0	0.121
7/20/2021 10:44	0	0	0.119
7/20/2021 10:45	0	0	0.118

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Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 10:46	0	0	0.116
7/20/2021 10:47	0	0	0.123
7/20/2021 10:48	0	0	0.116
7/20/2021 10:49	0	0	0.115
7/20/2021 10:50	0	0	0.115
7/20/2021 10:51	0	0	0.115
7/20/2021 10:52	0	0	0.115
7/20/2021 10:53	0	0	0.115
7/20/2021 10:54	0	0	0.116
7/20/2021 10:55	0	0	0.117
7/20/2021 10:56	0	0	0.118
7/20/2021 10:57	0	0	0.117
7/20/2021 10:58	0	0	0.117
7/20/2021 10:59	0	0	0.118
7/20/2021 11:00	0	0	0.116
7/20/2021 11:01	0	0	0.116
7/20/2021 11:02	0	0	0.116
7/20/2021 11:03	0	0	0.117
7/20/2021 11:04	0	0	0.117
7/20/2021 11:05	0	0	0.118
7/20/2021 11:06	0	0	0.117
7/20/2021 11:07	0	0	0.117
7/20/2021 11:08	0	0	0.119
7/20/2021 11:09	0	0	0.121
7/20/2021 11:10	0	0	0.127
7/20/2021 11:11	0	0	0.121
7/20/2021 11:12	0	0	0.12
7/20/2021 11:13	0	0	0.127
7/20/2021 11:14	0	0	0.138
7/20/2021 11:15	0	0	0.125
7/20/2021 11:16	0	0	0.125
7/20/2021 11:17	0	0	0.125
7/20/2021 11:18	0	0	0.126
7/20/2021 11:19	0	0	0.124
7/20/2021 11:20	0	0	0.125
7/20/2021 11:21	0	0	0.126
7/20/2021 11:22	0	0	0.125

Record of Community Air Monitoring (Upwind Data) - 07/20/21
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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 11:23	0	0	0.127
7/20/2021 11:24	0	0	0.123
7/20/2021 11:25	0	0	0.124
7/20/2021 11:26	0	0	0.132
7/20/2021 11:27	0	0	0.164
7/20/2021 11:28	0	0	0.145
7/20/2021 11:29	0	0	0.126
7/20/2021 11:30	0	0	0.13
7/20/2021 11:31	0	0	0.129
7/20/2021 11:32	0	0	0.127
7/20/2021 11:33	0	0	0.128
7/20/2021 11:34	0	0	0.126
7/20/2021 11:35	0	0	0.128
7/20/2021 11:36	0	0	0.127
7/20/2021 11:37	0	0	0.135
7/20/2021 11:38	0	0	0.133
7/20/2021 11:39	0	0	0.128
7/20/2021 11:40	0	0	0.129
7/20/2021 11:41	0	0	0.129
7/20/2021 11:42	0	0	0.128
7/20/2021 11:43	0	0	0.127
7/20/2021 11:44	0	0	0.127
7/20/2021 11:45	0	0	0.129
7/20/2021 11:46	0	0	0.134
7/20/2021 11:47	0	0	0.134
7/20/2021 11:48	0	0	0.129
7/20/2021 11:49	0	0	0.13
7/20/2021 11:50	0	0	0.131
7/20/2021 11:51	0	0	0.13
7/20/2021 11:52	0	0	0.132
7/20/2021 11:53	0	0	0.139
7/20/2021 11:54	0	0	0.131
7/20/2021 11:55	0	0	0.13
7/20/2021 11:56	0	0	0.129
7/20/2021 11:57	0	0	0.128
7/20/2021 11:58	0	0	0.128
7/20/2021 11:59	0	0	0.129

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Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 12:00	0	0	0.13
7/20/2021 12:01	0	0	0.129
7/20/2021 12:02	0	0	0.13
7/20/2021 12:03	0	0	0.136
7/20/2021 12:04	0	0	0.137
7/20/2021 12:05	0	0	0.136
7/20/2021 12:06	0	0	0.144
7/20/2021 12:07	0	0	0.192
7/20/2021 12:08	0	0	0.134
7/20/2021 12:09	0	0	0.133
7/20/2021 12:10	0	0	0.132
7/20/2021 12:11	0	0	0.133
7/20/2021 12:12	0	0	0.134
7/20/2021 12:13	0	0	0.135
7/20/2021 12:14	0	0	0.134
7/20/2021 12:15	0	0	0.135
7/20/2021 12:16	0	0	0.135
7/20/2021 12:17	0	0	0.135
7/20/2021 12:18	0	0	0.137
7/20/2021 12:19	0	0	0.137
7/20/2021 12:20	0	0	0.136
7/20/2021 12:21	0	0	0.135
7/20/2021 12:22	0	0	0.135
7/20/2021 12:23	0	0	0.135
7/20/2021 12:24	0	0	0.136
7/20/2021 12:25	0	0	0.135
7/20/2021 12:26	0	0	0.135
7/20/2021 12:27	0	0	0.135
7/20/2021 12:28	0	0	0.137
7/20/2021 12:29	0	0	0.138
7/20/2021 12:30	0	0	0.138
7/20/2021 12:31	0	0	0.14
7/20/2021 12:32	0	0	0.139
7/20/2021 12:33	0	0	0.138
7/20/2021 12:34	0	0	0.139
7/20/2021 12:35	0	0	0.14
7/20/2021 12:36	0	0	0.14

Record of Community Air Monitoring (Upwind Data) - 07/20/21
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 12:37	0	0	0.142
7/20/2021 12:38	0	0	0.14
7/20/2021 12:39	0	0	0.14
7/20/2021 12:40	0	0	0.142
7/20/2021 12:41	0	0	0.141
7/20/2021 12:42	0	0	0.143
7/20/2021 12:43	0	0	0.143
7/20/2021 12:44	0	0	0.146
7/20/2021 12:45	0	0	0.145
7/20/2021 12:46	0	0	0.143
7/20/2021 12:47	0	0	0.142
7/20/2021 12:48	0	0	0.143
7/20/2021 12:49	0	0	0.144
7/20/2021 12:50	0	0	0.141
7/20/2021 12:51	0	0	0.14
7/20/2021 12:52	0	0	0.14
7/20/2021 12:53	0	0	0.141
7/20/2021 12:54	0	0	0.141
7/20/2021 12:55	0	0	0.142
7/20/2021 12:56	0	0	0.143
7/20/2021 12:57	0	0	0.143
7/20/2021 12:58	0	0	0.142
7/20/2021 12:59	0	0	0.14
7/20/2021 13:00	0	0	0.141
7/20/2021 13:01	0	0	0.141
7/20/2021 13:02	0	0	0.141
7/20/2021 13:03	0	0	0.139
7/20/2021 13:04	0	0	0.137
7/20/2021 13:05	0	0	0.136
7/20/2021 13:06	0	0	0.136
7/20/2021 13:07	0	0	0.139
7/20/2021 13:08	0	0	0.142
7/20/2021 13:09	0	0	0.14
7/20/2021 13:10	0	0	0.141
7/20/2021 13:11	0	0	0.14
7/20/2021 13:12	0	0	0.143
7/20/2021 13:13	0	0	0.147

Record of Community Air Monitoring (Upwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 13:14	0	0	0.143
7/20/2021 13:15	0	0	0.142
7/20/2021 13:16	0	0	0.143
7/20/2021 13:17	0	0	0.14
7/20/2021 13:18	0	0	0.14
7/20/2021 13:19	0	0	0.146
7/20/2021 13:20	0	0	0.149
7/20/2021 13:21	0	0	0.158
7/20/2021 13:22	0	0	0.163
7/20/2021 13:23	0	0	0.168
7/20/2021 13:24	0	0	0.143
7/20/2021 13:25	0	0	0.141
7/20/2021 13:26	0	0	0.14
7/20/2021 13:27	0	0	0.143
7/20/2021 13:28	0	0	0.143
7/20/2021 13:29	0	0	0.14
7/20/2021 13:30	0	0	0.143
7/20/2021 13:31	0	0	0.143
7/20/2021 13:32	0	0	0.143
7/20/2021 13:33	0	0	0.147
7/20/2021 13:34	0	0	0.144
7/20/2021 13:35	0	0	0.154
7/20/2021 13:36	0	0	0.153
7/20/2021 13:37	0	0	0.15
7/20/2021 13:38	0	0	0.149
7/20/2021 13:39	0	0	0.15
7/20/2021 13:40	0	0	0.15
7/20/2021 13:41	0	0	0.172
7/20/2021 13:42	0	0	0.149
7/20/2021 13:43	0	0	0.15
7/20/2021 13:44	0	0	0.152
7/20/2021 13:45	0	0	0.152
7/20/2021 13:46	0	0	0.15
7/20/2021 13:47	0	0	0.154
7/20/2021 13:48	0	0	0.164
7/20/2021 13:49	0	0	0.163
7/20/2021 13:50	0	0	0.155

Record of Community Air Monitoring (Upwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 13:51	0	0	0.163
7/20/2021 13:52	0	0	0.146
7/20/2021 13:53	0	0	0.15
7/20/2021 13:54	0	0	0.169
7/20/2021 13:55	0	0	0.15
7/20/2021 13:56	0	0	0.157
7/20/2021 13:57	0	0	0.172
7/20/2021 13:58	0	0	0.15
7/20/2021 13:59	0	0	0.17
7/20/2021 14:00	0	0	0.153
7/20/2021 14:01	0	0	0.145
7/20/2021 14:02	0	0	0.152
7/20/2021 14:03	0	0	0.163
7/20/2021 14:04	0	0	0.187
7/20/2021 14:05	0	0	0.152
7/20/2021 14:06	0	0	0.169
7/20/2021 14:07	0	0	0.167
7/20/2021 14:08	0	0	0.165
7/20/2021 14:09	0	0	0.167
7/20/2021 14:10	0	0	0.163
7/20/2021 14:11	0	0	0.166
7/20/2021 14:12	0	0	0.18
7/20/2021 14:13	0	0	0.164
7/20/2021 14:14	0	0	0.163
7/20/2021 14:15	0	0	0.162
7/20/2021 14:16	0	0	0.158
7/20/2021 14:17	0	0	0.158
7/20/2021 14:18	0	0	0.16
7/20/2021 14:19	0	0	0.181
7/20/2021 14:20	0	0	0.193
7/20/2021 14:21	0	0	0.172
7/20/2021 14:22	0	0	0.163
7/20/2021 14:23	0	0	0.166
7/20/2021 14:24	0	0	0.145
7/20/2021 14:25	0	0	0.141
7/20/2021 14:26	0	0	0.145
7/20/2021 14:27	0	0	0.144

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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 14:28	0	0	0.144
7/20/2021 14:29	0	0	0.142
7/20/2021 14:30	0	0	0.142
7/20/2021 14:31	0	0	0.146
7/20/2021 14:32	0	0	0.143
7/20/2021 14:33	0	0	0.143
7/20/2021 14:34	0	0	0.143
7/20/2021 14:35	0	0	0.144
7/20/2021 14:36	0	0	0.15
7/20/2021 14:37	0	0	0.143
7/20/2021 14:38	0	0	0.143
7/20/2021 14:39	0	0	0.143
7/20/2021 14:40	0	0	0.142
7/20/2021 14:41	0	0	0.144
7/20/2021 14:42	0	0	0.141
7/20/2021 14:43	0	0	0.142
7/20/2021 14:44	0	0	0.143
7/20/2021 14:45	0	0	0.141
7/20/2021 14:46	0	0	0.14
7/20/2021 14:47	0	0	0.14
7/20/2021 14:48	0	0	0.143
7/20/2021 14:49	0	0	0.141
7/20/2021 14:50	0	0	0.141
7/20/2021 14:51	0	0	0.14
7/20/2021 14:52	0	0	0.139
7/20/2021 14:53	0	0	0.14
7/20/2021 14:54	0	0	0.139
7/20/2021 14:55	0	0	0.14
7/20/2021 14:56	0	0	0.139
7/20/2021 14:57	0	0	0.141
7/20/2021 14:58	0	0	0.14
7/20/2021 14:59	0	0	0.138
7/20/2021 15:00	0	0	0.142
7/20/2021 15:01	0	0	0.14
7/20/2021 15:02	0	0	0.137
7/20/2021 15:03	0	0	0.134
7/20/2021 15:04	0	0	0.136

Record of Community Air Monitoring (Upwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 15:05	0	0	0.153
7/20/2021 15:06	0	0	0.146
7/20/2021 15:07	0	0	0.176
7/20/2021 15:08	0	0	0.154
7/20/2021 15:09	0	0	0.183
7/20/2021 15:10	0	0	0.187
7/20/2021 15:11	0	0	0.172
7/20/2021 15:12	0	0	0.17
7/20/2021 15:13	0	0	0.196
7/20/2021 15:14	0	0	0.136
7/20/2021 15:15	0	0	0.149
7/20/2021 15:16	0	0	0.152
7/20/2021 15:17	0	0	0.147
7/20/2021 15:18	0	0	0.141
7/20/2021 15:19	0	0	0.173
7/20/2021 15:20	0	0	0.169
7/20/2021 15:21	0	0	0.167
7/20/2021 15:22	0	0	0.145
7/20/2021 15:23	0	0	0.144
7/20/2021 15:24	0	0	0.144
7/20/2021 15:25	0	0	0.162
7/20/2021 15:26	0	0	0.144
7/20/2021 15:27	0	0	0.146
7/20/2021 15:28	0	0	0.139
7/20/2021 15:29	0	0	0.14
7/20/2021 15:30	0	0	0.135
7/20/2021 15:31	0	0	0.147
7/20/2021 15:32	0	0	0.152
7/20/2021 15:33	0	0	0.149
7/20/2021 15:34	0	0	0.192
7/20/2021 15:35	0	0	0.191
7/20/2021 15:36	0	0	0.16
7/20/2021 15:37	0	0	0.166
7/20/2021 15:38	0	0	0.181
7/20/2021 15:39	0	0	0.183
7/20/2021 15:40	0	0	0.178
7/20/2021 15:41	0	0	0.168

Record of Community Air Monitoring (Upwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 15:42	0	0	0.162
7/20/2021 15:43	0	0	0.191
7/20/2021 15:44	0	0	0.159
7/20/2021 15:45	0	0	0.152
7/20/2021 15:46	0	0	0.153
7/20/2021 15:47	0	0	0.147
7/20/2021 15:48	0	0	0.142
7/20/2021 15:49	0	0	0.172
7/20/2021 15:50	0	0	0.178
7/20/2021 15:51	0	0	0.196
7/20/2021 15:52	0	0	0.167
7/20/2021 15:53	0	0	0.17
7/20/2021 15:54	0	0	0.134
7/20/2021 15:55	0	0	0.13
7/20/2021 15:56	0	0	0.138
7/20/2021 15:57	0	0	0.135
7/20/2021 15:58	0	0	0.163
7/20/2021 15:59	0	0	0.154
7/20/2021 16:00	0	0	0.145
7/20/2021 16:01	0	0	0.139
7/20/2021 16:02	0	0	0.143
7/20/2021 16:03	0	0	0.153
7/20/2021 16:04	0	0	0.137
7/20/2021 16:05	0	0	0.165
7/20/2021 16:06	0	0	0.169
7/20/2021 16:07	0	0	0.174
7/20/2021 16:08	0	0	0.181
7/20/2021 16:09	0	0	0.154
7/20/2021 16:10	0	0	0.167
7/20/2021 16:11	0	0	0.172
7/20/2021 16:12	0	0	0.182
7/20/2021 16:13	0	0	0.176
7/20/2021 16:14	0	0	0.175
7/20/2021 16:15	0	0	0.171
7/20/2021 16:16	0	0	0.175
7/20/2021 16:17	0	0	0.171
7/20/2021 16:18	0	0	0.153

Record of Community Air Monitoring (Upwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 16:19	0	0	0.152
7/20/2021 16:20	0	0	0.151
7/20/2021 16:21	0	0	0.155
7/20/2021 16:22	0	0	0.156
7/20/2021 16:23	0	0	0.153
7/20/2021 16:24	0	0	0.153
7/20/2021 16:25	0	0	0.141
7/20/2021 16:26	0	0	0.162
7/20/2021 16:27	0	0	0.142
7/20/2021 16:28	0	0	0.145
7/20/2021 16:29	0	0	0.179
7/20/2021 16:30	0	0	0.164
7/20/2021 16:31	0	0	0.171
7/20/2021 16:32	0	0	0.164
7/20/2021 16:33	0	0	0.16
7/20/2021 16:34	0	0	0.154
7/20/2021 16:35	0	0	0.143
7/20/2021 16:36	0	0	0.141
7/20/2021 16:37	0	0	0.153
7/20/2021 16:38	0	0	0.156
7/20/2021 16:39	0	0	0.132
7/20/2021 16:40	0	0	0.134
7/20/2021 16:41	0	0	0.139
7/20/2021 16:42	0	0	0.144
7/20/2021 16:43	0	0	0.137
7/20/2021 16:44	0	0	0.154
7/20/2021 16:45	0	0	0.141
7/20/2021 16:46	0	0	0.136
7/20/2021 16:47	0	0	0.154
7/20/2021 16:48	0	0	0.142
7/20/2021 16:49	0	0	0.138
7/20/2021 16:50	0	0	0.155
7/20/2021 16:51	0	0	0.151
7/20/2021 16:52	0	0	0.165
7/20/2021 16:53	0	0	0.164
7/20/2021 16:54	0	0	0.164
7/20/2021 16:55	0	0	0.169

Record of Community Air Monitoring (Upwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 16:56	0	0	0.166
7/20/2021 16:57	0	0	0.16
7/20/2021 16:58	0	0	0.145
7/20/2021 16:59	0	0	0.162
7/20/2021 17:00	0	0	0.161
7/20/2021 17:01	0	0	0.165
7/20/2021 17:02	0	0	0.165
7/20/2021 17:03	0	0	0.168
7/20/2021 17:04	0	0	0.165
7/20/2021 17:05	0	0	0.161
7/20/2021 17:06	0	0	0.139
7/20/2021 17:07	0	0	0.156
7/20/2021 17:08	0	0	0.147
7/20/2021 17:09	0	0	0.147
7/20/2021 17:10	0	0	0.15
7/20/2021 17:11	0	0	0.147
7/20/2021 17:12	0	0	0.151
7/20/2021 17:13	0	0	0.146
7/20/2021 17:14	0	0	0.149
7/20/2021 17:15	0	0	0.148
7/20/2021 17:16	0	0	0.155
7/20/2021 17:17	0	0	0.155
7/20/2021 17:18	0	0	0.148
7/20/2021 17:19	0	0	0.148
7/20/2021 17:20	0	0	0.149
7/20/2021 17:21	0	0	0.149
7/20/2021 17:22	0	0	0.151
7/20/2021 17:23	0	0	0.151
7/20/2021 17:24	0	0	0.152
7/20/2021 17:25	0	0	0.151
7/20/2021 17:26	0	0	0.151
7/20/2021 17:27	0	0	0.153
7/20/2021 17:28	0	0	0.153
7/20/2021 17:29	0	0	0.161
7/20/2021 17:30	0	0	0.159
7/20/2021 17:31	0	0	0.15
7/20/2021 17:32	0	0	0.152

Record of Community Air Monitoring (Upwind Data) - 07/20/21
Long Island MacArthur Airport,
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 17:33	0	0	0.152
7/20/2021 17:34	0	0	0.158
7/20/2021 17:35	0	0	0.148
7/20/2021 17:36	0	0	0.147

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

Record of Community Air Monitoring (Upwind Data) - 07/21/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/21/2021 8:06	0	0	0.119
7/21/2021 8:07	0	0	0.123
7/21/2021 8:08	0	0	0.118
7/21/2021 8:09	0	0	0.119
7/21/2021 8:10	0	0	0.117
7/21/2021 8:11	0	0	0.115
7/21/2021 8:12	0	0	0.116
7/21/2021 8:13	0	0	0.118
7/21/2021 8:14	0	0	0.115
7/21/2021 8:15	0	0	0.113
7/21/2021 8:16	0	0	0.112
7/21/2021 8:17	0	0	0.112
7/21/2021 8:18	0	0	0.111
7/21/2021 8:19	0	0	0.111
7/21/2021 8:20	0	0	0.111
7/21/2021 8:21	0	0	0.111
7/21/2021 8:22	0	0	0.11
7/21/2021 8:23	0	0	0.11
7/21/2021 8:24	0	0	0.11
7/21/2021 8:25	0	0	0.109
7/21/2021 8:26	0	0	0.108
7/21/2021 8:27	0	0	0.108
7/21/2021 8:28	0	0	0.108
7/21/2021 8:29	0	0	0.108
7/21/2021 8:30	0	0	0.108
7/21/2021 8:31	0	0	0.106
7/21/2021 8:32	0	0	0.108
7/21/2021 8:33	0	0	0.11
7/21/2021 8:34	0	0	0.111
7/21/2021 8:35	0	0	0.111
7/21/2021 8:36	0	0	0.11
7/21/2021 8:37	0	0	0.11
7/21/2021 8:38	0	0	0.11
7/21/2021 8:39	0	0	0.11
7/21/2021 8:40	0	0	0.11
7/21/2021 8:41	0	0	0.11
7/21/2021 8:42	0	0	0.112
7/21/2021 8:43	0	0	0.111

Record of Community Air Monitoring (Upwind Data) - 07/21/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/21/2021 8:44	0	0	0.109
7/21/2021 8:45	0	0	0.11
7/21/2021 8:46	0	0	0.111
7/21/2021 8:47	0	0	0.109
7/21/2021 8:48	0	0	0.108
7/21/2021 8:49	0	0	0.108
7/21/2021 8:50	0	0	0.106
7/21/2021 8:51	0	0	0.106
7/21/2021 8:52	0	0	0.106
7/21/2021 8:53	0	0	0.106
7/21/2021 8:54	0	0	0.106
7/21/2021 8:55	0	0	0.106
7/21/2021 8:56	0	0	0.105
7/21/2021 8:57	0	0	0.104
7/21/2021 8:58	0	0	0.103
7/21/2021 8:59	0	0	0.103
7/21/2021 9:00	0	0	0.103
7/21/2021 9:01	0	0	0.102
7/21/2021 9:02	0	0	0.102
7/21/2021 9:03	0	0	0.103
7/21/2021 9:04	0	0	0.102
7/21/2021 9:05	0	0	0.103
7/21/2021 9:06	0	0	0.102
7/21/2021 9:07	0	0	0.1
7/21/2021 9:08	0	0	0.1
7/21/2021 9:09	0	0	0.098
7/21/2021 9:10	0	0	0.093
7/21/2021 9:11	0	0	0.093
7/21/2021 9:12	0	0	0.094
7/21/2021 9:13	0	0	0.093
7/21/2021 9:14	0	0	0.094
7/21/2021 9:15	0	0	0.093
7/21/2021 9:16	0	0	0.092
7/21/2021 9:17	0	0	0.089
7/21/2021 9:18	0	0	0.087
7/21/2021 9:19	0	0	0.088
7/21/2021 9:20	0	0	0.086
7/21/2021 9:21	0	0	0.085

Record of Community Air Monitoring (Upwind Data) - 07/21/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/21/2021 9:22	0	0	0.083
7/21/2021 9:23	0	0	0.083
7/21/2021 9:24	0	0	0.082
7/21/2021 9:25	0	0	0.081
7/21/2021 9:26	0	0	0.081
7/21/2021 9:27	0	0	0.081
7/21/2021 9:28	0	0	0.08
7/21/2021 9:29	0	0	0.081
7/21/2021 9:30	0	0	0.081
7/21/2021 9:31	0	0	0.083
7/21/2021 9:32	0	0	0.083
7/21/2021 9:33	0	0	0.079
7/21/2021 9:34	0	0	0.08
7/21/2021 9:35	0	0	0.081
7/21/2021 9:36	0	0	0.08
7/21/2021 9:37	0	0	0.081
7/21/2021 9:38	0	0	0.081
7/21/2021 9:39	0	0	0.081
7/21/2021 9:40	0	0	0.08
7/21/2021 9:41	0	0	0.08
7/21/2021 9:42	0	0	0.08
7/21/2021 9:43	0	0	0.081
7/21/2021 9:44	0	0	0.08
7/21/2021 9:45	0	0	0.08
7/21/2021 9:46	0	0	0.08
7/21/2021 9:47	0	0	0.081
7/21/2021 9:48	0	0	0.081
7/21/2021 9:49	0	0	0.081
7/21/2021 9:50	0	0	0.081
7/21/2021 9:51	0	0	0.086
7/21/2021 9:52	0	0	0.084
7/21/2021 9:53	0	0	0.085
7/21/2021 9:54	0	0	0.085
7/21/2021 9:55	0	0	0.085
7/21/2021 9:56	0	0	0.085
7/21/2021 9:57	0	0	0.085
7/21/2021 9:58	0	0	0.085
7/21/2021 9:59	0	0	0.084

Record of Community Air Monitoring (Upwind Data) - 07/21/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/21/2021 10:00	0	0	0.086
7/21/2021 10:01	0	0	0.086
7/21/2021 10:02	0	0	0.087
7/21/2021 10:03	0	0	0.086
7/21/2021 10:04	0	0	0.087
7/21/2021 10:05	0	0	0.089
7/21/2021 10:06	0	0	0.09
7/21/2021 10:07	0	0	0.091
7/21/2021 10:08	0	0	0.091
7/21/2021 10:09	0	0	0.091
7/21/2021 10:10	0	0	0.092
7/21/2021 10:11	0	0	0.092
7/21/2021 10:12	0	0	0.092
7/21/2021 10:13	0	0	0.092
7/21/2021 10:14	0	0	0.091
7/21/2021 10:15	0	0	0.089
7/21/2021 10:16	0	0	0.089
7/21/2021 10:17	0	0	0.087
7/21/2021 10:18	0	0	0.085
7/21/2021 10:19	0	0	0.084
7/21/2021 10:20	0	0	0.085
7/21/2021 10:21	0	0	0.085
7/21/2021 10:22	0	0	0.085
7/21/2021 10:23	0	0	0.084
7/21/2021 10:24	0	0	0.084
7/21/2021 10:25	0	0	0.087
7/21/2021 10:26	0	0	0.085
7/21/2021 10:27	0	0	0.085
7/21/2021 10:28	0	0	0.084
7/21/2021 10:29	0	0	0.083
7/21/2021 10:30	0	0	0.082
7/21/2021 10:31	0	0	0.082
7/21/2021 10:32	0	0	0.082
7/21/2021 10:33	0	0	0.08
7/21/2021 10:34	0	0	0.081
7/21/2021 10:35	0	0	0.082
7/21/2021 10:36	0	0	0.081
7/21/2021 10:37	0	0	0.081

Record of Community Air Monitoring (Upwind Data) - 07/21/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/21/2021 10:38	0	0	0.083
7/21/2021 10:39	0	0	0.088
7/21/2021 10:40	0	0	0.09
7/21/2021 10:41	0	0	0.089
7/21/2021 10:42	0	0	0.088
7/21/2021 10:43	0	0	0.088
7/21/2021 10:44	0	0	0.088
7/21/2021 10:45	0	0	0.087
7/21/2021 10:46	0	0	0.086
7/21/2021 10:47	0	0	0.085
7/21/2021 10:48	0	0	0.085
7/21/2021 10:49	0	0	0.087
7/21/2021 10:50	0	0	0.086
7/21/2021 10:51	0	0	0.086
7/21/2021 10:52	0	0	0.085
7/21/2021 10:53	0	0	0.085
7/21/2021 10:54	0	0	0.086
7/21/2021 10:55	0	0	0.085
7/21/2021 10:56	0	0	0.085
7/21/2021 10:57	0	0	0.085
7/21/2021 10:58	0	0	0.084
7/21/2021 10:59	0	0	0.083
7/21/2021 11:00	0	0	0.081
7/21/2021 11:01	0	0	0.077
7/21/2021 11:02	0	0	0.076
7/21/2021 11:03	0	0	0.075
7/21/2021 11:04	0	0	0.074
7/21/2021 11:05	0	0	0.074
7/21/2021 11:06	0	0	0.075
7/21/2021 11:07	0	0	0.075
7/21/2021 11:08	0	0	0.076
7/21/2021 11:09	0	0	0.075
7/21/2021 11:10	0	0	0.076
7/21/2021 11:11	0	0	0.077
7/21/2021 11:12	0	0	0.078
7/21/2021 11:13	0	0	0.079
7/21/2021 11:14	0	0	0.079
7/21/2021 11:15	0	0	0.076

Record of Community Air Monitoring (Upwind Data) - 07/21/21
Long Island MacArthur Airport,
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/21/2021 11:16	0	0	0.075
7/21/2021 11:17	0	0	0.076
7/21/2021 11:18	0	0	0.074
7/21/2021 11:19	0	0	0.074
7/21/2021 11:20	0	0	0.074
7/21/2021 11:21	0	0	0.073
7/21/2021 11:22	0	0	0.074
7/21/2021 11:23	0	0	0.074
7/21/2021 11:24	0	0	0.074
7/21/2021 11:25	0	0	0.075
7/21/2021 11:26	0	0	0.082
7/21/2021 11:27	0	0	0.081
7/21/2021 11:28	0	0	0.08
7/21/2021 11:29	0	0	0.079
7/21/2021 11:30	0	0	0.079
7/21/2021 11:31	0	0	0.078
7/21/2021 11:32	0	0	0.078
7/21/2021 11:33	0	0	0.077
7/21/2021 11:34	0	0	0.077
7/21/2021 11:35	0	0	0.078
7/21/2021 11:36	0	0	0.079
7/21/2021 11:37	0	0	0.078
7/21/2021 11:38	0	0	0.078
7/21/2021 11:39	0	0	0.079
7/21/2021 11:40	0	0	0.078
7/21/2021 11:41	0	0	0.078
7/21/2021 11:42	0	0	0.078
7/21/2021 11:43	0	0	0.078
7/21/2021 11:44	0	0	0.078
7/21/2021 11:45	0	0	0.078
7/21/2021 11:46	0	0	0.078
7/21/2021 11:47	0	0	0.079
7/21/2021 11:48	0	0	0.079
7/21/2021 11:49	0	0	0.08
7/21/2021 11:50	0	0	0.079
7/21/2021 11:51	0	0	0.08
7/21/2021 11:52	0	0	0.08
7/21/2021 11:53	0	0	0.08

Record of Community Air Monitoring (Upwind Data) - 07/21/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/21/2021 11:54	0	0	0.079
7/21/2021 11:55	0	0	0.079
7/21/2021 11:56	0	0	0.08
7/21/2021 11:57	0	0	0.08
7/21/2021 11:58	0	0	0.08
7/21/2021 11:59	0	0	0.081
7/21/2021 12:00	0	0	0.08
7/21/2021 12:01	0	0	0.08
7/21/2021 12:02	0	0	0.081
7/21/2021 12:03	0	0	0.08
7/21/2021 12:04	0	0	0.08
7/21/2021 12:05	0	0	0.08
7/21/2021 12:06	0	0	0.08
7/21/2021 12:07	0	0	0.081
7/21/2021 12:08	0	0	0.08
7/21/2021 12:09	0	0	0.08
7/21/2021 12:10	0	0	0.078
7/21/2021 12:11	0	0	0.078
7/21/2021 12:12	0	0	0.078
7/21/2021 12:13	0	0	0.079
7/21/2021 12:14	0	0	0.079
7/21/2021 12:15	0	0	0.079
7/21/2021 12:16	0	0	0.079
7/21/2021 12:17	0	0	0.079
7/21/2021 12:18	0	0	0.079
7/21/2021 12:19	0	0	0.079
7/21/2021 12:20	0	0	0.079
7/21/2021 12:21	0	0	0.079
7/21/2021 12:22	0	0	0.079
7/21/2021 12:23	0	0	0.079
7/21/2021 12:24	0	0	0.079
7/21/2021 12:25	0	0	0.079

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 8:01	0	0	0.022
7/22/2021 8:02	0	0	0.021
7/22/2021 8:03	0	0	0.021
7/22/2021 8:04	0	0	0.021
7/22/2021 8:05	0	0	0.021
7/22/2021 8:06	0	0	0.021
7/22/2021 8:07	0	0	0.022
7/22/2021 8:08	0	0	0.022
7/22/2021 8:09	0	0	0.021
7/22/2021 8:10	0	0	0.023
7/22/2021 8:11	0	0	0.023
7/22/2021 8:12	0.2	0	0.021
7/22/2021 8:13	0	0	0.023
7/22/2021 8:14	0	0	0.024
7/22/2021 8:15	0	0	0.022
7/22/2021 8:16	0	0	0.021
7/22/2021 8:17	0	0	0.021
7/22/2021 8:18	0	0	0.021
7/22/2021 8:19	0	0	0.02
7/22/2021 8:20	0	0	0.02
7/22/2021 8:21	0	0	0.019
7/22/2021 8:22	0	0	0.019
7/22/2021 8:23	0	0	0.019
7/22/2021 8:24	0	0	0.019
7/22/2021 8:25	0	0	0.019
7/22/2021 8:26	0	0	0.019
7/22/2021 8:27	0	0	0.019
7/22/2021 8:28	0	0	0.019
7/22/2021 8:29	0	0	0.019
7/22/2021 8:30	0	0	0.019
7/22/2021 8:31	0	0	0.019
7/22/2021 8:32	0	0	0.019
7/22/2021 8:33	0	0	0.019
7/22/2021 8:34	0	0	0.019
7/22/2021 8:35	0	0	0.019
7/22/2021 8:36	0	0	0.02
7/22/2021 8:37	0	0	0.019

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 8:38	0	0	0.019
7/22/2021 8:39	0	0	0.019
7/22/2021 8:40	0	0	0.02
7/22/2021 8:41	0	0	0.02
7/22/2021 8:42	0	0	0.019
7/22/2021 8:43	0	0	0.019
7/22/2021 8:44	0	0	0.019
7/22/2021 8:45	0	0	0.021
7/22/2021 8:46	0	0	0.02
7/22/2021 8:47	0	0	0.019
7/22/2021 8:48	0	0	0.019
7/22/2021 8:49	0	0	0.019
7/22/2021 8:50	0	0	0.019
7/22/2021 8:51	0	0	0.019
7/22/2021 8:52	0	0	0.019
7/22/2021 8:53	0	0	0.019
7/22/2021 8:54	0	0	0.019
7/22/2021 8:55	0	0	0.019
7/22/2021 8:56	0	0	0.019
7/22/2021 8:57	0	0	0.019
7/22/2021 8:58	0	0	0.019
7/22/2021 8:59	0	0	0.019
7/22/2021 9:00	0	0	0.019
7/22/2021 9:01	0	0	0.019
7/22/2021 9:02	0	0	0.019
7/22/2021 9:03	0	0	0.019
7/22/2021 9:04	0	0	0.019
7/22/2021 9:05	0	0	0.019
7/22/2021 9:06	0	0	0.019
7/22/2021 9:07	0	0	0.019
7/22/2021 9:08	0	0	0.019
7/22/2021 9:09	0	0	0.019
7/22/2021 9:10	0	0	0.019
7/22/2021 9:11	0	0	0.019
7/22/2021 9:12	0	0	0.019
7/22/2021 9:13	0	0	0.018
7/22/2021 9:14	0	0	0.019

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 9:15	0	0	0.018
7/22/2021 9:16	0	0	0.019
7/22/2021 9:17	0	0	0.018
7/22/2021 9:18	0	0	0.018
7/22/2021 9:19	0	0	0.019
7/22/2021 9:20	0	0	0.019
7/22/2021 9:21	0	0	0.019
7/22/2021 9:22	0	0	0.019
7/22/2021 9:23	0	0	0.018
7/22/2021 9:24	0	0	0.019
7/22/2021 9:25	0	0	0.019
7/22/2021 9:26	0	0	0.018
7/22/2021 9:27	0	0	0.018
7/22/2021 9:28	0	0	0.019
7/22/2021 9:29	0	0	0.019
7/22/2021 9:30	0	0	0.019
7/22/2021 9:31	0	0	0.019
7/22/2021 9:32	0	0	0.019
7/22/2021 9:33	0	0	0.021
7/22/2021 9:34	0	0	0.02
7/22/2021 9:35	0	0	0.02
7/22/2021 9:36	0	0	0.018
7/22/2021 9:37	0	0	0.02
7/22/2021 9:38	0	0	0.019
7/22/2021 9:39	0	0	0.019
7/22/2021 9:40	0	0	0.031
7/22/2021 9:41	0	0	0.03
7/22/2021 9:42	0.5	0	0.034
7/22/2021 9:43	0	0	0.035
7/22/2021 9:44	0	0	0.037
7/22/2021 9:45	0	0	0.023
7/22/2021 9:46	0	0	0.021
7/22/2021 9:47	0	0	0.02
7/22/2021 9:48	0	0	0.02
7/22/2021 9:49	0	0	0.02
7/22/2021 9:50	0	0	0.019
7/22/2021 9:51	0	0	0.019

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 9:52	0	0	0.018
7/22/2021 9:53	0	0	0.019
7/22/2021 9:54	0	0	0.019
7/22/2021 9:55	0	0	0.019
7/22/2021 9:56	0	0	0.018
7/22/2021 9:57	0	0	0.018
7/22/2021 9:58	0	0	0.018
7/22/2021 9:59	0	0	0.018
7/22/2021 10:00	0	0	0.019
7/22/2021 10:01	0	0	0.019
7/22/2021 10:02	0	0	0.018
7/22/2021 10:03	0	0	0.018
7/22/2021 10:04	0	0	0.018
7/22/2021 10:05	0	0	0.018
7/22/2021 10:06	0	0	0.018
7/22/2021 10:07	0	0	0.018
7/22/2021 10:08	0	0	0.018
7/22/2021 10:09	0	0	0.018
7/22/2021 10:10	0	0	0.02
7/22/2021 10:11	0	0	0.021
7/22/2021 10:12	0	0	0.021
7/22/2021 10:13	0	0	0.02
7/22/2021 10:14	0	0	0.02
7/22/2021 10:15	0	0	0.02
7/22/2021 10:16	0	0	0.02
7/22/2021 10:17	0	0	0.02
7/22/2021 10:18	0	0	0.019
7/22/2021 10:19	0	0	0.02
7/22/2021 10:20	0	0	0.019
7/22/2021 10:21	0	0	0.02
7/22/2021 10:22	0	0	0.02
7/22/2021 10:23	0	0	0.019
7/22/2021 10:24	0	0	0.023
7/22/2021 10:25	0	0	0.021
7/22/2021 10:26	0	0	0.019
7/22/2021 10:27	0	0	0.019
7/22/2021 10:28	0	0	0.019

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 10:29	0	0	0.019
7/22/2021 10:30	0	0	0.019
7/22/2021 10:31	0	0	0.02
7/22/2021 10:32	0	0	0.019
7/22/2021 10:33	0	0	0.02
7/22/2021 10:34	0	0	0.019
7/22/2021 10:35	0	0	0.019
7/22/2021 10:36	0	0	0.019
7/22/2021 10:37	0	0	0.019
7/22/2021 10:38	0	0	0.019
7/22/2021 10:39	0	0	0.019
7/22/2021 10:40	0	0	0.02
7/22/2021 10:41	0	0	0.02
7/22/2021 10:42	0	0	0.021
7/22/2021 10:43	0	0	0.02
7/22/2021 10:44	0	0	0.019
7/22/2021 10:45	0	0	0.019
7/22/2021 10:46	0	0	0.019
7/22/2021 10:47	0	0	0.019
7/22/2021 10:48	0	0	0.019
7/22/2021 10:49	0	0	0.019
7/22/2021 10:50	0	0	0.019
7/22/2021 10:51	0	0	0.019
7/22/2021 10:52	0	0	0.019
7/22/2021 10:53	0	0	0.019
7/22/2021 10:54	0	0	0.02
7/22/2021 10:55	0	0	0.019
7/22/2021 10:56	0	0	0.02
7/22/2021 10:57	0	0	0.019
7/22/2021 10:58	0	0	0.019
7/22/2021 10:59	0	0	0.019
7/22/2021 11:00	0	0	0.019
7/22/2021 11:01	0	0	0.019
7/22/2021 11:02	0	0	0.019
7/22/2021 11:03	0	0	0.02
7/22/2021 11:04	0	0	0.019
7/22/2021 11:05	0	0	0.019

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 11:06	0	0	0.019
7/22/2021 11:07	0	0	0.02
7/22/2021 11:08	0	0	0.019
7/22/2021 11:09	0	0	0.019
7/22/2021 11:10	0	0	0.019
7/22/2021 11:11	0	0	0.019
7/22/2021 11:12	0	0	0.019
7/22/2021 11:13	0	0	0.019
7/22/2021 11:14	0	0	0.019
7/22/2021 11:15	0	0	0.02
7/22/2021 11:16	0	0	0.019
7/22/2021 11:17	0	0	0.019
7/22/2021 11:18	0	0	0.019
7/22/2021 11:19	0	0	0.019
7/22/2021 11:20	0	0	0.019
7/22/2021 11:21	0	0	0.02
7/22/2021 11:22	0	0	0.019
7/22/2021 11:23	0	0	0.02
7/22/2021 11:24	0	0	0.02
7/22/2021 11:25	0	0	0.02
7/22/2021 11:26	0	0	0.02
7/22/2021 11:27	0	0	0.02
7/22/2021 11:28	0	0	0.02
7/22/2021 11:29	0	0	0.019
7/22/2021 11:30	0	0	0.019
7/22/2021 11:31	0	0	0.02
7/22/2021 11:32	0	0	0.02
7/22/2021 11:33	0	0	0.019
7/22/2021 11:34	0	0	0.02
7/22/2021 11:35	0	0	0.02
7/22/2021 11:36	0	0	0.02
7/22/2021 11:37	0	0	0.02
7/22/2021 11:38	0	0	0.019
7/22/2021 11:39	0	0	0.019
7/22/2021 11:40	0	0	0.019
7/22/2021 11:41	0	0	0.019
7/22/2021 11:42	0	0	0.019

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 11:43	0	0	0.019
7/22/2021 11:44	0	0	0.019
7/22/2021 11:45	0	0	0.019
7/22/2021 11:46	0	0	0.019
7/22/2021 11:47	0	0	0.02
7/22/2021 11:48	0	0	0.019
7/22/2021 11:49	0	0	0.019
7/22/2021 11:50	0	0	0.019
7/22/2021 11:51	0	0	0.019
7/22/2021 11:52	0	0	0.019
7/22/2021 11:53	0	0	0.019
7/22/2021 11:54	0	0	0.019
7/22/2021 11:55	0	0	0.019
7/22/2021 11:56	0	0	0.019
7/22/2021 11:57	0	0	0.019
7/22/2021 11:58	0	0	0.019
7/22/2021 11:59	0	0	0.019
7/22/2021 12:00	0	0	0.021
7/22/2021 12:01	0	0	0.019
7/22/2021 12:02	0	0	0.022
7/22/2021 12:03	0	0	0.021
7/22/2021 12:04	0	0	0.019
7/22/2021 12:05	0	0	0.019
7/22/2021 12:06	0	0	0.019
7/22/2021 12:07	0	0	0.019
7/22/2021 12:08	0	0	0.019
7/22/2021 12:09	0	0	0.018
7/22/2021 12:10	0	0	0.019
7/22/2021 12:11	0	0	0.02
7/22/2021 12:12	0	0	0.019
7/22/2021 12:13	0	0	0.021
7/22/2021 12:14	0	0	0.02
7/22/2021 12:15	0	0	0.021
7/22/2021 12:16	0	0	0.019
7/22/2021 12:17	0	0	0.019
7/22/2021 12:18	0	0	0.019
7/22/2021 12:19	0	0	0.019

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 12:20	0	0	0.021
7/22/2021 12:21	0	0	0.018
7/22/2021 12:22	0	0	0.019
7/22/2021 12:23	0	0	0.019
7/22/2021 12:24	0	0	0.019
7/22/2021 12:25	0	0	0.019
7/22/2021 12:26	0	0	0.02
7/22/2021 12:27	0	0	0.02
7/22/2021 12:28	0	0	0.02
7/22/2021 12:29	0	0	0.02
7/22/2021 12:30	0	0	0.019
7/22/2021 12:31	0	0	0.019
7/22/2021 12:32	0	0	0.019
7/22/2021 12:33	0	0	0.02
7/22/2021 12:34	0	0	0.019
7/22/2021 12:35	0	0	0.019
7/22/2021 12:36	0	0	0.02
7/22/2021 12:37	0	0	0.02
7/22/2021 12:38	0	0	0.02
7/22/2021 12:39	0	0	0.02
7/22/2021 12:40	0	0	0.019
7/22/2021 12:41	0	0	0.022
7/22/2021 12:42	0	0	0.02
7/22/2021 12:43	0	0	0.023
7/22/2021 12:44	0	0	0.02
7/22/2021 12:45	0	0	0.02
7/22/2021 12:46	0	0	0.02
7/22/2021 12:47	0	0	0.019
7/22/2021 12:48	0	0	0.019
7/22/2021 12:49	0	0	0.02
7/22/2021 12:50	0	0	0.019
7/22/2021 12:51	0	0	0.018
7/22/2021 12:52	0	0	0.019
7/22/2021 12:53	0	0	0.018
7/22/2021 12:54	0	0	0.018
7/22/2021 12:55	0	0	0.018
7/22/2021 12:56	0	0	0.018

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 12:57	0	0	0.018
7/22/2021 12:58	0	0	0.018
7/22/2021 12:59	0	0	0.018
7/22/2021 13:00	0	0	0.019
7/22/2021 13:01	0	0	0.018
7/22/2021 13:02	0	0	0.018
7/22/2021 13:03	0	0	0.019
7/22/2021 13:04	0	0	0.017
7/22/2021 13:05	0	0	0.017
7/22/2021 13:06	0	0	0.021
7/22/2021 13:07	0	0	0.02
7/22/2021 13:08	0	0	0.02
7/22/2021 13:09	0	0	0.019
7/22/2021 13:10	0	0	0.018
7/22/2021 13:11	0	0	0.019
7/22/2021 13:12	0	0	0.018
7/22/2021 13:13	0	0	0.017
7/22/2021 13:14	0	0	0.017
7/22/2021 13:15	0	0	0.017
7/22/2021 13:16	0	0	0.017
7/22/2021 13:17	0	0	0.017
7/22/2021 13:18	0	0	0.018
7/22/2021 13:19	0	0	0.017
7/22/2021 13:20	0	0	0.017
7/22/2021 13:21	0	0	0.018
7/22/2021 13:22	0	0	0.018
7/22/2021 13:23	0	0	0.017
7/22/2021 13:24	0	0	0.017
7/22/2021 13:25	0	0	0.017
7/22/2021 13:26	0	0	0.017
7/22/2021 13:27	0	0	0.017
7/22/2021 13:28	0	0	0.019
7/22/2021 13:29	0	0	0.017
7/22/2021 13:30	0	0	0.017
7/22/2021 13:31	0	0	0.017
7/22/2021 13:32	0	0	0.016
7/22/2021 13:33	0	0	0.017

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 13:34	0	0	0.016
7/22/2021 13:35	0	0	0.016
7/22/2021 13:36	0	0	0.016
7/22/2021 13:37	0	0	0.016
7/22/2021 13:38	0	0	0.018
7/22/2021 13:39	0	0	0.018
7/22/2021 13:40	0	0	0.018
7/22/2021 13:41	0	0	0.016
7/22/2021 13:42	0	0	0.016
7/22/2021 13:43	0	0	0.016
7/22/2021 13:44	0	0	0.016
7/22/2021 13:45	0	0	0.017
7/22/2021 13:46	0	0	0.016
7/22/2021 13:47	0	0	0.017
7/22/2021 13:48	0	0	0.016
7/22/2021 13:49	0	0	0.017
7/22/2021 13:50	0	0	0.016
7/22/2021 13:51	0	0	0.016
7/22/2021 13:52	0	0	0.017
7/22/2021 13:53	0	0	0.016
7/22/2021 13:54	0	0	0.016
7/22/2021 13:55	0	0	0.017
7/22/2021 13:56	0	0	0.016
7/22/2021 13:57	0	0	0.016
7/22/2021 13:58	0	0	0.016
7/22/2021 13:59	0	0	0.017
7/22/2021 14:00	0	0	0.015
7/22/2021 14:01	0	0	0.016
7/22/2021 14:02	0	0	0.016
7/22/2021 14:03	0	0	0.017
7/22/2021 14:04	0	0	0.017
7/22/2021 14:05	0	0	0.016
7/22/2021 14:06	0	0	0.017
7/22/2021 14:07	0	0	0.016
7/22/2021 14:08	0	0	0.018
7/22/2021 14:09	0	0	0.018
7/22/2021 14:10	0	0	0.016

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 14:11	0	0	0.02
7/22/2021 14:12	0	0	0.017
7/22/2021 14:13	0	0	0.016
7/22/2021 14:14	0	0	0.016
7/22/2021 14:15	0	0	0.017
7/22/2021 14:16	0	0	0.024
7/22/2021 14:17	0	0	0.019
7/22/2021 14:18	0	0	0.017
7/22/2021 14:19	0	0	0.016
7/22/2021 14:20	0	0	0.016
7/22/2021 14:21	0	0	0.016
7/22/2021 14:22	0	0	0.016
7/22/2021 14:23	0	0	0.021
7/22/2021 14:24	0	0	0.028
7/22/2021 14:25	0	0	0.047
7/22/2021 14:26	0	0	0.018
7/22/2021 14:27	0	0	0.017
7/22/2021 14:28	0	0	0.016
7/22/2021 14:29	0	0	0.016
7/22/2021 14:30	0	0	0.016
7/22/2021 14:31	0	0	0.015
7/22/2021 14:32	0	0	0.016
7/22/2021 14:33	0	0	0.016
7/22/2021 14:34	0	0	0.015
7/22/2021 14:35	0	0	0.016
7/22/2021 14:36	0	0	0.015
7/22/2021 14:37	0	0	0.016
7/22/2021 14:38	0	0	0.017
7/22/2021 14:39	0	0	0.017
7/22/2021 14:40	0	0	0.015
7/22/2021 14:41	0	0	0.017
7/22/2021 14:42	0	0	0.017
7/22/2021 14:43	0	0	0.018
7/22/2021 14:44	0	0	0.017
7/22/2021 14:45	0	0	0.017
7/22/2021 14:46	0	0	0.017
7/22/2021 14:47	0	0	0.016

Record of Community Air Monitoring (Upwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 14:48	0	0	0.015
7/22/2021 14:49	0	0	0.016
7/22/2021 14:50	0	0	0.016
7/22/2021 14:51	0	0	0.016
7/22/2021 14:52	0	0	0.017
7/22/2021 14:53	0	0	0.016

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 07/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 8:36	0	0	0.024
7/23/2021 8:37	0	0	0.029
7/23/2021 8:38	0	0	0.024
7/23/2021 8:39	0	0	0.023
7/23/2021 8:40	0	0	0.022
7/23/2021 8:41	0	0	0.022
7/23/2021 8:42	0	0	0.023
7/23/2021 8:43	0	0	0.022
7/23/2021 8:44	0	0	0.022
7/23/2021 8:45	0	0	0.022
7/23/2021 8:46	0	0	0.022
7/23/2021 8:47	0	0	0.022
7/23/2021 8:48	0	0	0.022
7/23/2021 8:49	0	0	0.022
7/23/2021 8:50	0	0	0.022
7/23/2021 8:51	0	0	0.026
7/23/2021 8:52	0	0	0.022
7/23/2021 8:53	0	0	0.022
7/23/2021 8:54	0	0	0.021
7/23/2021 8:55	0	0	0.021
7/23/2021 8:56	0	0	0.021
7/23/2021 8:57	0	0	0.022
7/23/2021 8:58	0	0	0.021
7/23/2021 8:59	0	0	0.022
7/23/2021 9:00	0	0	0.021
7/23/2021 9:01	0	0	0.022
7/23/2021 9:02	0	0	0.022
7/23/2021 9:03	0	0	0.022
7/23/2021 9:04	0	0	0.021
7/23/2021 9:05	0	0	0.024
7/23/2021 9:06	0	0	0.022
7/23/2021 9:07	0	0	0.022
7/23/2021 9:08	0	0	0.024
7/23/2021 9:09	0	0	0.023
7/23/2021 9:10	0	0	0.022
7/23/2021 9:11	0	0	0.022
7/23/2021 9:12	0	0	0.022

Record of Community Air Monitoring (Upwind Data) - 07/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 9:13	0	0	0.022
7/23/2021 9:14	0	0	0.022
7/23/2021 9:15	0	0	0.022
7/23/2021 9:16	0	0	0.022
7/23/2021 9:17	0	0	0.022
7/23/2021 9:18	0	0	0.022
7/23/2021 9:19	0	0	0.022
7/23/2021 9:20	0	0	0.022
7/23/2021 9:21	0	0	0.023
7/23/2021 9:22	0	0	0.022
7/23/2021 9:23	0	0	0.023
7/23/2021 9:24	0	0	0.022
7/23/2021 9:25	0	0	0.023
7/23/2021 9:26	0	0	0.022
7/23/2021 9:27	0	0	0.022
7/23/2021 9:28	0	0	0.022
7/23/2021 9:29	0	0	0.022
7/23/2021 9:30	0	0	0.022
7/23/2021 9:31	0	0	0.022
7/23/2021 9:32	0	0	0.022
7/23/2021 9:33	0	0	0.022
7/23/2021 9:34	0	0	0.023
7/23/2021 9:35	0	0	0.022
7/23/2021 9:36	0	0	0.022
7/23/2021 9:37	0	0	0.022
7/23/2021 9:38	0	0	0.023
7/23/2021 9:39	0	0	0.022
7/23/2021 9:40	0	0	0.022
7/23/2021 9:41	0	0	0.021
7/23/2021 9:42	0	0	0.022
7/23/2021 9:43	0	0	0.022
7/23/2021 9:44	0	0	0.022
7/23/2021 9:45	0	0	0.022
7/23/2021 9:46	0	0	0.022
7/23/2021 9:47	0	0	0.023
7/23/2021 9:48	0	0	0.023
7/23/2021 9:49	0	0	0.022

Record of Community Air Monitoring (Upwind Data) - 07/23/21
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Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 9:50	0	0	0.022
7/23/2021 9:51	0	0	0.022
7/23/2021 9:52	0	0	0.022
7/23/2021 9:53	0	0	0.023
7/23/2021 9:54	0	0	0.022
7/23/2021 9:55	0	0	0.022
7/23/2021 9:56	0	0	0.022
7/23/2021 9:57	0	0	0.022
7/23/2021 9:58	0	0	0.059
7/23/2021 9:59	0	0	0.022
7/23/2021 10:00	0	0	0.022
7/23/2021 10:01	0	0	0.022
7/23/2021 10:02	0	0	0.022
7/23/2021 10:03	0	0	0.023
7/23/2021 10:04	0	0	0.022
7/23/2021 10:05	0	0	0.022
7/23/2021 10:06	0	0	0.023
7/23/2021 10:07	0	0	0.022
7/23/2021 10:08	0	0	0.022
7/23/2021 10:09	0	0	0.022
7/23/2021 10:10	0	0	0.023
7/23/2021 10:11	0	0	0.023
7/23/2021 10:12	0	0	0.023
7/23/2021 10:13	0	0	0.023
7/23/2021 10:14	0	0	0.023
7/23/2021 10:15	0	0	0.022
7/23/2021 10:16	0	0	0.023
7/23/2021 10:17	0	0	0.023
7/23/2021 10:18	0	0	0.022
7/23/2021 10:19	0	0	0.023
7/23/2021 10:20	0	0	0.022
7/23/2021 10:21	0	0	0.023
7/23/2021 10:22	0	0	0.022
7/23/2021 10:23	0	0	0.022
7/23/2021 10:24	0	0	0.023
7/23/2021 10:25	0	0	0.023
7/23/2021 10:26	0	0	0.023

Record of Community Air Monitoring (Upwind Data) - 07/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 10:27	0	0	0.023
7/23/2021 10:28	0	0	0.024
7/23/2021 10:29	0	0	0.024
7/23/2021 10:30	0	0	0.023
7/23/2021 10:31	0	0	0.023
7/23/2021 10:32	0	0	0.023
7/23/2021 10:33	0	0	0.023
7/23/2021 10:34	0	0	0.023
7/23/2021 10:35	0	0	0.023
7/23/2021 10:36	0	0	0.023
7/23/2021 10:37	0	0	0.023
7/23/2021 10:38	0	0	0.023
7/23/2021 10:39	0	0	0.023
7/23/2021 10:40	0	0	0.023
7/23/2021 10:41	0	0	0.023
7/23/2021 10:42	0	0	0.023
7/23/2021 10:43	0	0	0.023
7/23/2021 10:44	0	0	0.023
7/23/2021 10:45	0	0	0.023
7/23/2021 10:46	0	0	0.023
7/23/2021 10:47	0	0	0.024
7/23/2021 10:48	0	0	0.023
7/23/2021 10:49	0	0	0.023
7/23/2021 10:50	0	0	0.023
7/23/2021 10:51	0	0	0.024
7/23/2021 10:52	0	0	0.023
7/23/2021 10:53	0	0	0.024
7/23/2021 10:54	0	0	0.023
7/23/2021 10:55	0	0	0.024
7/23/2021 10:56	0	0	0.023
7/23/2021 10:57	0	0	0.023
7/23/2021 10:58	0	0	0.022
7/23/2021 10:59	0	0	0.023
7/23/2021 11:00	0	0	0.023
7/23/2021 11:01	0	0	0.022
7/23/2021 11:02	0	0	0.023
7/23/2021 11:03	0	0	0.023

Record of Community Air Monitoring (Upwind Data) - 07/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 11:04	0	0	0.023
7/23/2021 11:05	0	0	0.022
7/23/2021 11:06	0	0	0.028
7/23/2021 11:07	0	0	0.023
7/23/2021 11:08	0	0	0.023
7/23/2021 11:09	0	0	0.023
7/23/2021 11:10	0	0	0.023
7/23/2021 11:11	0	0	0.023
7/23/2021 11:12	0	0	0.023
7/23/2021 11:13	0	0	0.023
7/23/2021 11:14	0	0	0.023
7/23/2021 11:15	0	0	0.024
7/23/2021 11:16	0	0	0.023
7/23/2021 11:17	0	0	0.023
7/23/2021 11:18	0	0	0.023
7/23/2021 11:19	0	0	0.023
7/23/2021 11:20	0	0	0.023
7/23/2021 11:21	0	0	0.025
7/23/2021 11:22	0	0	0.027
7/23/2021 11:23	0	0	0.023
7/23/2021 11:24	0	0	0.023
7/23/2021 11:25	0	0	0.023
7/23/2021 11:26	0	0	0.023
7/23/2021 11:27	0	0	0.023
7/23/2021 11:28	0	0	0.023
7/23/2021 11:29	0	0	0.023
7/23/2021 11:30	0	0	0.023
7/23/2021 11:31	0	0	0.023
7/23/2021 11:32	0	0	0.024
7/23/2021 11:33	0	0	0.023
7/23/2021 11:34	0	0	0.023
7/23/2021 11:35	0	0	0.023
7/23/2021 11:36	0	0	0.022
7/23/2021 11:37	0	0	0.024
7/23/2021 11:38	0	0	0.022
7/23/2021 11:39	0	0	0.023
7/23/2021 11:40	0	0	0.023

Record of Community Air Monitoring (Upwind Data) - 07/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 11:41	0	0	0.023
7/23/2021 11:42	0	0	0.023
7/23/2021 11:43	0	0	0.023
7/23/2021 11:44	0	0	0.023
7/23/2021 11:45	0	0	0.023
7/23/2021 11:46	0	0	0.023
7/23/2021 11:47	0	0	0.023
7/23/2021 11:48	0	0	0.023
7/23/2021 11:49	0	0	0.023
7/23/2021 11:50	0	0	0.022
7/23/2021 11:51	0	0	0.022
7/23/2021 11:52	0	0	0.023
7/23/2021 11:53	0	0	0.024
7/23/2021 11:54	0	0	0.023
7/23/2021 11:55	0	0	0.023
7/23/2021 11:56	0	0	0.023
7/23/2021 11:57	0	0	0.023
7/23/2021 11:58	0	0	0.023
7/23/2021 11:59	0	0	0.025
7/23/2021 12:00	0	0	0.024
7/23/2021 12:01	0	0	0.024
7/23/2021 12:02	0	0	0.024
7/23/2021 12:03	0	0	0.023
7/23/2021 12:04	0	0	0.023
7/23/2021 12:05	0	0	0.026
7/23/2021 12:06	0	0	0.025
7/23/2021 12:07	0	0	0.023
7/23/2021 12:08	0	0	0.023
7/23/2021 12:09	0	0	0.024
7/23/2021 12:10	0	0	0.023
7/23/2021 12:11	0	0	0.023
7/23/2021 12:12	0	0	0.023
7/23/2021 12:13	0	0	0.023
7/23/2021 12:14	0	0	0.023
7/23/2021 12:15	0	0	0.023
7/23/2021 12:16	0	0	0.022
7/23/2021 12:17	0	0	0.023

Record of Community Air Monitoring (Upwind Data) - 07/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 12:18	0	0	0.023
7/23/2021 12:19	0	0	0.023
7/23/2021 12:20	0	0	0.023
7/23/2021 12:21	0	0	0.023
7/23/2021 12:22	0	0	0.023
7/23/2021 12:23	0	0	0.024
7/23/2021 12:24	0	0	0.023
7/23/2021 12:25	0	0	0.023
7/23/2021 12:26	0	0	0.023
7/23/2021 12:27	0	0	0.023
7/23/2021 12:28	0	0	0.023
7/23/2021 12:29	0	0	0.023
7/23/2021 12:30	0	0	0.023
7/23/2021 12:31	0	0	0.023
7/23/2021 12:32	0	0	0.022
7/23/2021 12:33	0	0	0.023
7/23/2021 12:34	0	0	0.023
7/23/2021 12:35	0	0	0.022
7/23/2021 12:36	0	0	0.027
7/23/2021 12:37	0	0	0.023
7/23/2021 12:38	0	0	0.023
7/23/2021 12:39	0	0	0.026
7/23/2021 12:40	0	0	0.023
7/23/2021 12:41	0	0	0.023
7/23/2021 12:42	0	0	0.022
7/23/2021 12:43	0	0	0.022
7/23/2021 12:44	0	0	0.022
7/23/2021 12:45	0	0	0.022
7/23/2021 12:46	0	0	0.022
7/23/2021 12:47	0	0	0.022
7/23/2021 12:48	0	0	0.023
7/23/2021 12:49	0	0	0.023
7/23/2021 12:50	0	0	0.022
7/23/2021 12:51	0	0	0.022
7/23/2021 12:52	0	0	0.022
7/23/2021 12:53	0	0	0.023
7/23/2021 12:54	0	0	0.022

Record of Community Air Monitoring (Upwind Data) - 07/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 12:55	0	0	0.021
7/23/2021 12:56	0	0	0.022
7/23/2021 12:57	0	0	0.022
7/23/2021 12:58	0	0	0.022
7/23/2021 12:59	0	0	0.022
7/23/2021 13:00	0	0	0.022
7/23/2021 13:01	0	0	0.022
7/23/2021 13:02	0	0	0.022
7/23/2021 13:03	0	0	0.022
7/23/2021 13:04	0	0	0.022
7/23/2021 13:05	0	0	0.022
7/23/2021 13:06	0	0	0.021
7/23/2021 13:07	0	0	0.022
7/23/2021 13:08	0	0	0.022
7/23/2021 13:09	0	0	0.022
7/23/2021 13:10	0	0	0.022
7/23/2021 13:11	0	0	0.022
7/23/2021 13:12	0	0	0.021
7/23/2021 13:13	0	0	0.022
7/23/2021 13:14	0	0	0.022
7/23/2021 13:15	0	0	0.022
7/23/2021 13:16	0	0	0.022
7/23/2021 13:17	0	0	0.021
7/23/2021 13:18	0	0	0.039
7/23/2021 13:19	0	0	0.038
7/23/2021 13:20	0	0	0.029
7/23/2021 13:21	0	0	0.021
7/23/2021 13:22	0	0	0.021
7/23/2021 13:23	0	0	0.021
7/23/2021 13:24	0	0	0.021
7/23/2021 13:25	0	0	0.021
7/23/2021 13:26	0	0	0.021
7/23/2021 13:27	0	0	0.021
7/23/2021 13:28	0	0	0.021
7/23/2021 13:29	0	0	0.021
7/23/2021 13:30	0	0	0.021
7/23/2021 13:31	0	0	0.021

Record of Community Air Monitoring (Upwind Data) - 07/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 13:32	0	0	0.02
7/23/2021 13:33	0	0	0.021
7/23/2021 13:34	0	0	0.02
7/23/2021 13:35	0	0	0.021
7/23/2021 13:36	0	0	0.021
7/23/2021 13:37	0	0	0.021
7/23/2021 13:38	0	0	0.021
7/23/2021 13:39	0	0	0.021
7/23/2021 13:40	0	0	0.021
7/23/2021 13:41	0	0	0.021
7/23/2021 13:42	0	0	0.021
7/23/2021 13:43	0	0	0.021
7/23/2021 13:44	0	0	0.021
7/23/2021 13:45	0	0	0.021
7/23/2021 13:46	0	0	0.021
7/23/2021 13:47	0	0	0.021
7/23/2021 13:48	0	0	0.021
7/23/2021 13:49	0	0	0.021
7/23/2021 13:50	0	0	0.021
7/23/2021 13:51	0	0	0.021
7/23/2021 13:52	0	0	0.021
7/23/2021 13:53	0	0	0.021
7/23/2021 13:54	0	0	0.021
7/23/2021 13:55	0	0	0.021
7/23/2021 13:56	0	0	0.022
7/23/2021 13:57	0	0	0.021
7/23/2021 13:58	0	0	0.021
7/23/2021 13:59	0	0	0.023
7/23/2021 14:00	0	0	0.023
7/23/2021 14:01	0	0	0.021
7/23/2021 14:02	0	0	0.021
7/23/2021 14:03	0	0	0.022
7/23/2021 14:04	0	0	0.021
7/23/2021 14:05	0	0	0.021
7/23/2021 14:06	0	0	0.021
7/23/2021 14:07	0	0	0.022
7/23/2021 14:08	0	0	0.022

Record of Community Air Monitoring (Upwind Data) - 07/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 14:09	0	0	0.022
7/23/2021 14:10	0	0	0.021
7/23/2021 14:11	0	0	0.022
7/23/2021 14:12	0	0	0.022
7/23/2021 14:13	0	0	0.021
7/23/2021 14:14	0	0	0.021
7/23/2021 14:15	0	0	0.022
7/23/2021 14:16	0	0	0.021
7/23/2021 14:17	0	0	0.022
7/23/2021 14:18	0	0	0.022
7/23/2021 14:19	0	0	0.021
7/23/2021 14:20	0	0	0.022
7/23/2021 14:21	0	0	0.022
7/23/2021 14:22	0	0	0.023
7/23/2021 14:23	0	0	0.022
7/23/2021 14:24	0	0	0.022
7/23/2021 14:25	0	0	0.022
7/23/2021 14:26	0	0	0.022
7/23/2021 14:27	0	0	0.022
7/23/2021 14:28	0	0	0.022
7/23/2021 14:29	0	0	0.022
7/23/2021 14:30	0	0	0.022
7/23/2021 14:31	0	0	0.022
7/23/2021 14:32	0	0	0.023
7/23/2021 14:33	0	0	0.022
7/23/2021 14:34	0	0	0.022
7/23/2021 14:35	0	0	0.022
7/23/2021 14:36	0	0	0.022
7/23/2021 14:37	0	0	0.022
7/23/2021 14:38	0	0	0.023
7/23/2021 14:39	0	0	0.023
7/23/2021 14:40	0	0	0.022
7/23/2021 14:41	0	0	0.023
7/23/2021 14:42	0	0	0.023
7/23/2021 14:43	0	0	0.023
7/23/2021 14:44	0	0	0.024
7/23/2021 14:45	0	0	0.023

Record of Community Air Monitoring (Upwind Data) - 07/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/23/2021 14:46	0	0	0.024
7/23/2021 14:47	0	0	0.023
7/23/2021 14:48	0	0	0.023
7/23/2021 14:49	0	0	0.023
7/23/2021 14:50	0	0	0.023
7/23/2021 14:51	0	0	0.023
7/23/2021 14:52	0	0	0.023
7/23/2021 14:53	0	0	0.023
7/23/2021 14:54	0	0	0.023
7/23/2021 14:55	0	0	0.023
7/23/2021 14:56	0	0	0.023
7/23/2021 14:57	0	0	0.023

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 9:28	0.1	0	0.047
7/26/2021 9:29	0	0	0.054
7/26/2021 9:30	0.5	0	0.06
7/26/2021 9:31	0.7	0	0.058
7/26/2021 9:32	0	0	0.058
7/26/2021 9:33	0	0	0.059
7/26/2021 9:34	0	0	0.061
7/26/2021 9:35	0	0	0.061
7/26/2021 9:36	0	0	0.058
7/26/2021 9:37	0	0	0.066
7/26/2021 9:38	0	0	0.068
7/26/2021 9:39	0	0	0.069
7/26/2021 9:40	0	0	0.065
7/26/2021 9:41	0	0	0.067
7/26/2021 9:42	0	0	0.069
7/26/2021 9:43	0	0	0.066
7/26/2021 9:44	0	0	0.063
7/26/2021 9:45	0	0	0.065
7/26/2021 9:46	0	0	0.065
7/26/2021 9:47	0	0	0.064
7/26/2021 9:48	0	0	0.066
7/26/2021 9:49	0	0	0.067
7/26/2021 9:50	0	0	0.066
7/26/2021 9:51	0	0	0.066
7/26/2021 9:52	0	0	0.066
7/26/2021 9:53	0	0	0.067
7/26/2021 9:54	0	0	0.071
7/26/2021 9:55	0	0	0.07
7/26/2021 9:56	0	0	0.072
7/26/2021 9:57	0	0	0.076
7/26/2021 9:58	0	0	0.075
7/26/2021 9:59	0	0	0.075
7/26/2021 10:00	0	0	0.075
7/26/2021 10:01	0	0	0.075
7/26/2021 10:02	0	0	0.074
7/26/2021 10:03	0	0	0.073
7/26/2021 10:04	0	0	0.079
7/26/2021 10:05	0	0	0.08

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 10:06	0	0	0.078
7/26/2021 10:07	0	0	0.08
7/26/2021 10:08	0	0	0.08
7/26/2021 10:09	0	0	0.079
7/26/2021 10:10	0	0	0.08
7/26/2021 10:11	0	0	0.08
7/26/2021 10:12	0	0	0.081
7/26/2021 10:13	0	0	0.08
7/26/2021 10:14	0	0	0.084
7/26/2021 10:15	0	0	0.083
7/26/2021 10:16	0	0	0.084
7/26/2021 10:17	0	0	0.083
7/26/2021 10:18	0	0	0.083
7/26/2021 10:19	0	0	0.084
7/26/2021 10:20	0	0	0.085
7/26/2021 10:21	0	0	0.086
7/26/2021 10:22	0	0	0.087
7/26/2021 10:23	0	0	0.088
7/26/2021 10:24	0	0	0.089
7/26/2021 10:25	0	0	0.09
7/26/2021 10:26	0	0	0.091
7/26/2021 10:27	0	0	0.092
7/26/2021 10:28	0	0	0.093
7/26/2021 10:29	0	0	0.093
7/26/2021 10:30	0	0	0.096
7/26/2021 10:31	0	0	0.095
7/26/2021 10:32	0	0	0.097
7/26/2021 10:33	0	0	0.098
7/26/2021 10:34	0	0	0.099
7/26/2021 10:35	0	0	0.099
7/26/2021 10:36	0	0	0.099
7/26/2021 10:37	0	0	0.102
7/26/2021 10:38	0	0	0.101
7/26/2021 10:39	0	0	0.1
7/26/2021 10:40	0	0	0.099
7/26/2021 10:41	0	0	0.1
7/26/2021 10:42	0	0	0.101
7/26/2021 10:43	0	0	0.1

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 10:44	0	0	0.099
7/26/2021 10:45	0	0	0.098
7/26/2021 10:46	0	0	0.099
7/26/2021 10:47	0	0	0.102
7/26/2021 10:48	0	0	0.106
7/26/2021 10:49	0	0	0.106
7/26/2021 10:50	0	0	0.105
7/26/2021 10:51	0	0	0.104
7/26/2021 10:52	0	0	0.104
7/26/2021 10:53	0	0	0.102
7/26/2021 10:54	0	0	0.102
7/26/2021 10:55	0	0	0.101
7/26/2021 10:56	0	0	0.101
7/26/2021 10:57	0	0	0.101
7/26/2021 10:58	0	0	0.101
7/26/2021 10:59	0	0	0.1
7/26/2021 11:00	0	0	0.099
7/26/2021 11:01	0	0	0.099
7/26/2021 11:02	0	0	0.101
7/26/2021 11:03	0	0	0.1
7/26/2021 11:04	0	0	0.101
7/26/2021 11:05	0	0	0.099
7/26/2021 11:06	0	0	0.098
7/26/2021 11:07	0	0	0.098
7/26/2021 11:08	0	0	0.098
7/26/2021 11:09	0	0	0.098
7/26/2021 11:10	0	0	0.098
7/26/2021 11:11	0	0	0.098
7/26/2021 11:12	0	0	0.098
7/26/2021 11:13	0	0	0.097
7/26/2021 11:14	0	0	0.097
7/26/2021 11:15	0	0	0.097
7/26/2021 11:16	0	0	0.097
7/26/2021 11:17	0	0	0.097
7/26/2021 11:18	0	0	0.096
7/26/2021 11:19	0	0	0.096
7/26/2021 11:20	0	0	0.096
7/26/2021 11:21	0	0	0.097

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 11:22	0	0	0.099
7/26/2021 11:23	0	0	0.1
7/26/2021 11:24	0	0	0.099
7/26/2021 11:25	0	0	0.098
7/26/2021 11:26	0	0	0.1
7/26/2021 11:27	0	0	0.099
7/26/2021 11:28	0	0	0.099
7/26/2021 11:29	0	0	0.1
7/26/2021 11:30	0	0	0.1
7/26/2021 11:31	0	0	0.099
7/26/2021 11:32	0	0	0.1
7/26/2021 11:33	0	0	0.101
7/26/2021 11:34	0	0	0.103
7/26/2021 11:35	0	0	0.103
7/26/2021 11:36	0	0	0.104
7/26/2021 11:37	0	0	0.104
7/26/2021 11:38	0	0	0.104
7/26/2021 11:39	0	0	0.105
7/26/2021 11:40	0	0	0.108
7/26/2021 11:41	0	0	0.108
7/26/2021 11:42	0	0	0.108
7/26/2021 11:43	0	0	0.108
7/26/2021 11:44	0	0	0.108
7/26/2021 11:45	0	0	0.108
7/26/2021 11:46	0	0	0.106
7/26/2021 11:47	0	0	0.117
7/26/2021 11:48	0	0	0.115
7/26/2021 11:49	0	0	0.114
7/26/2021 11:50	0	0	0.113
7/26/2021 11:51	0	0	0.113
7/26/2021 11:52	0	0	0.111
7/26/2021 11:53	0	0	0.111
7/26/2021 11:54	0	0	0.113
7/26/2021 11:55	0	0	0.111
7/26/2021 11:56	0	0	0.112
7/26/2021 11:57	0	0	0.111
7/26/2021 11:58	0	0	0.111
7/26/2021 11:59	0	0	0.112

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 12:00	0	0	0.112
7/26/2021 12:01	0	0	0.112
7/26/2021 12:02	0	0	0.115
7/26/2021 12:03	0	0	0.114
7/26/2021 12:04	0	0	0.112
7/26/2021 12:05	0	0	0.11
7/26/2021 12:06	0	0	0.111
7/26/2021 12:07	0	0	0.111
7/26/2021 12:08	0	0	0.109
7/26/2021 12:09	0	0	0.108
7/26/2021 12:10	0	0	0.107
7/26/2021 12:11	0	0	0.108
7/26/2021 12:12	0	0	0.11
7/26/2021 12:13	0	0	0.108
7/26/2021 12:14	0	0	0.108
7/26/2021 12:15	0	0	0.104
7/26/2021 12:16	0	0	0.103
7/26/2021 12:17	0	0	0.103
7/26/2021 12:18	0	0	0.103
7/26/2021 12:19	0	0	0.102
7/26/2021 12:20	0	0	0.102
7/26/2021 12:21	0	0	0.101
7/26/2021 12:22	0	0	0.099
7/26/2021 12:23	0	0	0.097
7/26/2021 12:24	0	0	0.101
7/26/2021 12:25	0	0	0.099
7/26/2021 12:26	0	0	0.098
7/26/2021 12:27	0	0	0.098
7/26/2021 12:28	0	0	0.096
7/26/2021 12:29	0	0	0.097
7/26/2021 12:30	0	0	0.094
7/26/2021 12:31	0	0	0.093
7/26/2021 12:32	0	0	0.093
7/26/2021 12:33	0	0	0.091
7/26/2021 12:34	0	0	0.09
7/26/2021 12:35	0	0	0.092
7/26/2021 12:36	0	0	0.092
7/26/2021 12:37	0	0	0.091

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 12:38	0	0	0.091
7/26/2021 12:39	0	0	0.09
7/26/2021 12:40	0	0	0.089
7/26/2021 12:41	0	0	0.089
7/26/2021 12:42	0	0	0.087
7/26/2021 12:43	0	0	0.086
7/26/2021 12:44	0	0	0.085
7/26/2021 12:45	0	0	0.085
7/26/2021 12:46	0	0	0.084
7/26/2021 12:47	0	0	0.084
7/26/2021 12:48	0	0	0.084
7/26/2021 12:49	0	0	0.084
7/26/2021 12:50	0	0	0.084
7/26/2021 12:51	0	0	0.085
7/26/2021 12:52	0	0	0.084
7/26/2021 12:53	0	0	0.083
7/26/2021 12:54	0	0	0.084
7/26/2021 12:55	0	0	0.084
7/26/2021 12:56	0	0	0.084
7/26/2021 12:57	0	0	0.085
7/26/2021 12:58	0	0	0.083
7/26/2021 12:59	0	0	0.082
7/26/2021 13:00	0	0	0.082
7/26/2021 13:01	0	0	0.081
7/26/2021 13:02	0	0	0.082
7/26/2021 13:03	0	0	0.081
7/26/2021 13:04	0	0	0.082
7/26/2021 13:05	0	0	0.082
7/26/2021 13:06	0	0	0.082
7/26/2021 13:07	0	0	0.082
7/26/2021 13:08	0	0	0.082
7/26/2021 13:09	0	0	0.082
7/26/2021 13:10	0	0	0.082
7/26/2021 13:11	0	0	0.082
7/26/2021 13:12	0	0	0.081
7/26/2021 13:13	0	0	0.082
7/26/2021 13:14	0	0	0.081
7/26/2021 13:15	0	0	0.082

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 13:16	0	0	0.082
7/26/2021 13:17	0	0	0.082
7/26/2021 13:18	0	0	0.082
7/26/2021 13:19	0	0	0.083
7/26/2021 13:20	0	0	0.083
7/26/2021 13:21	0	0	0.084
7/26/2021 13:22	0	0	0.084
7/26/2021 13:23	0	0	0.083
7/26/2021 13:24	0	0	0.083
7/26/2021 13:25	0	0	0.082
7/26/2021 13:26	0	0	0.082
7/26/2021 13:27	0	0	0.083
7/26/2021 13:28	0	0	0.085
7/26/2021 13:29	0	0	0.085
7/26/2021 13:30	0	0	0.083
7/26/2021 13:31	0	0	0.084
7/26/2021 13:32	0	0	0.085
7/26/2021 13:33	0	0	0.085
7/26/2021 13:34	0	0	0.085
7/26/2021 13:35	0	0	0.086
7/26/2021 13:36	0	0	0.084
7/26/2021 13:37	0	0	0.084
7/26/2021 13:38	0	0	0.085
7/26/2021 13:39	0	0	0.086
7/26/2021 13:40	0	0	0.086
7/26/2021 13:41	0	0	0.086
7/26/2021 13:42	0	0	0.085
7/26/2021 13:43	0	0	0.085
7/26/2021 13:44	0	0	0.086
7/26/2021 13:45	0	0	0.086
7/26/2021 13:46	0	0	0.086
7/26/2021 13:47	0	0	0.087
7/26/2021 13:48	0	0	0.087
7/26/2021 13:49	0	0	0.086
7/26/2021 13:50	0	0	0.086
7/26/2021 13:51	0	0	0.086
7/26/2021 13:52	0	0	0.087
7/26/2021 13:53	0	0	0.085

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 13:54	0	0	0.086
7/26/2021 13:55	0	0	0.085
7/26/2021 13:56	0	0	0.086
7/26/2021 13:57	0	0	0.087
7/26/2021 13:58	0	0	0.088
7/26/2021 13:59	0	0	0.085
7/26/2021 14:00	0	0	0.085
7/26/2021 14:01	0	0	0.087
7/26/2021 14:02	0	0	0.085
7/26/2021 14:03	0	0	0.084
7/26/2021 14:04	0	0	0.083
7/26/2021 14:05	0	0	0.085
7/26/2021 14:06	0	0	0.087
7/26/2021 14:07	0	0	0.088
7/26/2021 14:08	0	0	0.088
7/26/2021 14:09	0	0	0.089
7/26/2021 14:10	0	0	0.089
7/26/2021 14:11	0	0	0.088
7/26/2021 14:12	0	0	0.089
7/26/2021 14:13	0	0	0.089
7/26/2021 14:14	0	0	0.089
7/26/2021 14:15	0	0	0.089
7/26/2021 14:16	0	0	0.088
7/26/2021 14:17	0	0	0.087
7/26/2021 14:18	0	0	0.088
7/26/2021 14:19	0	0	0.088
7/26/2021 14:20	0	0	0.088
7/26/2021 14:21	0	0	0.087
7/26/2021 14:22	0	0	0.087
7/26/2021 14:23	0	0	0.086
7/26/2021 14:24	0	0	0.086
7/26/2021 14:25	0	0	0.086
7/26/2021 14:26	0	0	0.085
7/26/2021 14:27	0	0	0.086
7/26/2021 14:28	0	0	0.085
7/26/2021 14:29	0	0	0.087
7/26/2021 14:30	0	0	0.086
7/26/2021 14:31	0	0	0.086

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 14:32	0	0	0.085
7/26/2021 14:33	0	0	0.086
7/26/2021 14:34	0	0	0.086
7/26/2021 14:35	0	0	0.087
7/26/2021 14:36	0	0	0.087
7/26/2021 14:37	0	0	0.087
7/26/2021 14:38	0	0	0.086
7/26/2021 14:39	0	0	0.087
7/26/2021 14:40	0	0	0.087
7/26/2021 14:41	0	0	0.087
7/26/2021 14:42	0	0	0.086
7/26/2021 14:43	0	0	0.086
7/26/2021 14:44	0	0	0.086
7/26/2021 14:45	0	0	0.086
7/26/2021 14:46	0	0	0.087
7/26/2021 14:47	0	0	0.087
7/26/2021 14:48	0	0	0.086
7/26/2021 14:49	0	0	0.085
7/26/2021 14:50	0	0	0.086
7/26/2021 14:51	0	0	0.085
7/26/2021 14:52	0	0	0.085
7/26/2021 14:53	0	0	0.086
7/26/2021 14:54	0	0	0.086
7/26/2021 14:55	0	0	0.086
7/26/2021 14:56	0	0	0.086
7/26/2021 14:57	0	0	0.083
7/26/2021 14:58	0	0	0.081
7/26/2021 14:59	0	0	0.083
7/26/2021 15:00	0	0	0.079
7/26/2021 15:01	0	0	0.078
7/26/2021 15:02	0	0	0.076
7/26/2021 15:03	0	0	0.074
7/26/2021 15:04	0	0	0.074
7/26/2021 15:05	0	0	0.074
7/26/2021 15:06	0	0	0.075
7/26/2021 15:07	0	0	0.075
7/26/2021 15:08	0	0	0.076
7/26/2021 15:09	0	0	0.075

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 15:10	0	0	0.074
7/26/2021 15:11	0	0	0.073
7/26/2021 15:12	0	0	0.073
7/26/2021 15:13	0	0	0.073
7/26/2021 15:14	0	0	0.074
7/26/2021 15:15	0	0	0.074
7/26/2021 15:16	0	0	0.074
7/26/2021 15:17	0	0	0.076
7/26/2021 15:18	0	0	0.077
7/26/2021 15:19	0	0	0.078
7/26/2021 15:20	0	0	0.078
7/26/2021 15:21	0	0	0.078
7/26/2021 15:22	0	0	0.077
7/26/2021 15:23	0	0	0.077
7/26/2021 15:24	0	0	0.076
7/26/2021 15:25	0	0	0.076
7/26/2021 15:26	0	0	0.075
7/26/2021 15:27	0	0	0.076
7/26/2021 15:28	0	0	0.076
7/26/2021 15:29	0	0	0.076
7/26/2021 15:30	0	0	0.075
7/26/2021 15:31	0	0	0.076
7/26/2021 15:32	0	0	0.076
7/26/2021 15:33	0	0	0.077
7/26/2021 15:34	0	0	0.077
7/26/2021 15:35	0	0	0.077
7/26/2021 15:36	0	0	0.078
7/26/2021 15:37	0	0	0.077
7/26/2021 15:38	0	0	0.077
7/26/2021 15:39	0	0	0.078
7/26/2021 15:40	0	0	0.078
7/26/2021 15:41	0	0	0.078
7/26/2021 15:42	0	0	0.079
7/26/2021 15:43	0	0	0.079
7/26/2021 15:44	0	0	0.08
7/26/2021 15:45	0	0	0.08
7/26/2021 15:46	0	0	0.079
7/26/2021 15:47	0	0	0.079

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 15:48	0	0	0.079
7/26/2021 15:49	0	0	0.079
7/26/2021 15:50	0	0	0.079
7/26/2021 15:51	0	0	0.079
7/26/2021 15:52	0	0	0.078
7/26/2021 15:53	0	0	0.079
7/26/2021 15:54	0	0	0.079
7/26/2021 15:55	0	0	0.08
7/26/2021 15:56	0	0	0.081
7/26/2021 15:57	0	0	0.08
7/26/2021 15:58	0	0	0.079
7/26/2021 15:59	0	0	0.078
7/26/2021 16:00	0	0	0.08
7/26/2021 16:01	0	0	0.079
7/26/2021 16:02	0	0	0.079
7/26/2021 16:03	0	0	0.08
7/26/2021 16:04	0	0	0.081
7/26/2021 16:05	0	0	0.081
7/26/2021 16:06	0	0	0.082
7/26/2021 16:07	0	0	0.082
7/26/2021 16:08	0	0	0.081
7/26/2021 16:09	0	0	0.081
7/26/2021 16:10	0	0	0.081
7/26/2021 16:11	0	0	0.081
7/26/2021 16:12	0	0	0.082
7/26/2021 16:13	0	0	0.082
7/26/2021 16:14	0	0	0.082
7/26/2021 16:15	0	0	0.082
7/26/2021 16:16	0	0	0.081
7/26/2021 16:17	0	0	0.082
7/26/2021 16:18	0	0	0.082
7/26/2021 16:19	0	0	0.082
7/26/2021 16:20	0	0	0.083
7/26/2021 16:21	0	0	0.085
7/26/2021 16:22	0	0	0.085
7/26/2021 16:23	0	0	0.085
7/26/2021 16:24	0	0	0.084
7/26/2021 16:25	0	0	0.085

Record of Community Air Monitoring (Upwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 16:26	0	0	0.085
7/26/2021 16:27	0	0	0.083
7/26/2021 16:28	0	0	0.083
7/26/2021 16:29	0	0	0.084
7/26/2021 16:30	0	0	0.084
7/26/2021 16:31	0	0	0.086
7/26/2021 16:32	0	0	0.084
7/26/2021 16:33	0	0	0.084
7/26/2021 16:34	0	0	0.085
7/26/2021 16:35	0	0	0.085
7/26/2021 16:36	0	0	0.085

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 8:05	0	0	0.086
7/27/2021 8:06	0	0	0.086
7/27/2021 8:07	0	0	0.084
7/27/2021 8:08	0	0	0.091
7/27/2021 8:09	0	0	0.094
7/27/2021 8:10	0	0	0.094
7/27/2021 8:11	0	0	0.095
7/27/2021 8:12	0	0	0.098
7/27/2021 8:13	0	0	0.098
7/27/2021 8:14	0	0	0.098
7/27/2021 8:15	0	0	0.099
7/27/2021 8:16	0	0	0.098
7/27/2021 8:17	0	0	0.099
7/27/2021 8:18	0	0	0.098
7/27/2021 8:19	0	0	0.098
7/27/2021 8:20	0	0	0.097
7/27/2021 8:21	0	0	0.095
7/27/2021 8:22	0	0	0.094
7/27/2021 8:23	0	0	0.092
7/27/2021 8:24	0	0	0.09
7/27/2021 8:25	0	0	0.087
7/27/2021 8:26	0	0	0.083
7/27/2021 8:27	0	0	0.081
7/27/2021 8:28	0	0	0.078
7/27/2021 8:29	0	0	0.077
7/27/2021 8:30	0	0	0.076
7/27/2021 8:31	0	0	0.059
7/27/2021 8:32	0	0	0.058
7/27/2021 8:33	0	0	0.055
7/27/2021 8:34	0	0	0.061
7/27/2021 8:35	0	0	0.066
7/27/2021 8:36	0	0	0.072
7/27/2021 8:37	0	0	0.074
7/27/2021 8:38	0	0	0.076
7/27/2021 8:39	0	0	0.073
7/27/2021 8:40	0	0	0.075
7/27/2021 8:41	0	0	0.074
7/27/2021 8:42	0	0	0.073

Record of Community Air Monitoring (Upwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 8:43	0	0	0.075
7/27/2021 8:44	0	0	0.076
7/27/2021 8:45	0	0	0.078
7/27/2021 8:46	0	0	0.077
7/27/2021 8:47	0	0	0.08
7/27/2021 8:48	0	0	0.081
7/27/2021 8:49	0	0	0.08
7/27/2021 8:50	0	0	0.076
7/27/2021 8:51	0	0	0.071
7/27/2021 8:52	0	0	0.074
7/27/2021 8:53	0	0	0.08
7/27/2021 8:54	0	0	0.08
7/27/2021 8:55	0	0	0.081
7/27/2021 8:56	0	0	0.079
7/27/2021 8:57	0	0	0.078
7/27/2021 8:58	0	0	0.077
7/27/2021 8:59	0	0	0.077
7/27/2021 9:00	0	0	0.077
7/27/2021 9:01	0	0	0.081
7/27/2021 9:02	0	0	0.097
7/27/2021 9:03	0	0	0.075
7/27/2021 9:04	0	0	0.074
7/27/2021 9:05	0	0	0.074
7/27/2021 9:06	0	0	0.076
7/27/2021 9:07	0	0	0.068
7/27/2021 9:08	0	0	0.067
7/27/2021 9:09	0	0	0.067
7/27/2021 9:10	0	0	0.068
7/27/2021 9:11	0	0	0.068
7/27/2021 9:12	0	0	0.067
7/27/2021 9:13	0	0	0.067
7/27/2021 9:14	0	0	0.068
7/27/2021 9:15	0	0	0.074
7/27/2021 9:16	0	0	0.069
7/27/2021 9:17	0	0	0.067
7/27/2021 9:18	0	0	0.069
7/27/2021 9:19	0	0	0.07
7/27/2021 9:20	0	0	0.068

Record of Community Air Monitoring (Upwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 9:21	0	0	0.068
7/27/2021 9:22	0	0	0.077
7/27/2021 9:23	0	0	0.073
7/27/2021 9:24	0	0	0.074
7/27/2021 9:25	0	0	0.064
7/27/2021 9:26	0	0	0.064
7/27/2021 9:27	0	0	0.064
7/27/2021 9:28	0	0	0.063
7/27/2021 9:29	0	0	0.062
7/27/2021 9:30	0	0	0.06
7/27/2021 9:31	0	0	0.059
7/27/2021 9:32	0	0	0.058
7/27/2021 9:33	0	0	0.056
7/27/2021 9:34	0	0	0.056
7/27/2021 9:35	0	0	0.054
7/27/2021 9:36	0	0	0.056
7/27/2021 9:37	0	0	0.055
7/27/2021 9:38	0	0	0.057
7/27/2021 9:39	0	0	0.057
7/27/2021 9:40	0	0	0.061
7/27/2021 9:41	0	0	0.054
7/27/2021 9:42	0	0	0.054
7/27/2021 9:43	0	0	0.055
7/27/2021 9:44	0	0	0.053
7/27/2021 9:45	0	0	0.054
7/27/2021 9:46	0	0	0.051
7/27/2021 9:47	0	0	0.051
7/27/2021 9:48	0	0	0.05
7/27/2021 9:49	0	0	0.049
7/27/2021 9:50	0	0	0.049
7/27/2021 9:51	0	0	0.049
7/27/2021 9:52	0	0	0.048
7/27/2021 9:53	0	0	0.047
7/27/2021 9:54	0	0	0.048
7/27/2021 9:55	0	0	0.049
7/27/2021 9:56	0	0	0.048
7/27/2021 9:57	0	0	0.049
7/27/2021 9:58	0	0	0.048

Record of Community Air Monitoring (Upwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 9:59	0	0	0.049
7/27/2021 10:00	0	0	0.05
7/27/2021 10:01	0	0	0.05
7/27/2021 10:02	0	0	0.05
7/27/2021 10:03	0	0	0.059
7/27/2021 10:04	0	0	0.067
7/27/2021 10:05	0	0	0.071
7/27/2021 10:06	0	0	0.072
7/27/2021 10:07	0	0	0.072
7/27/2021 10:08	0	0	0.069
7/27/2021 10:09	0	0	0.066
7/27/2021 10:10	0	0	0.062
7/27/2021 10:11	0	0	0.062
7/27/2021 10:12	0	0	0.083
7/27/2021 10:13	0	0	0.061
7/27/2021 10:14	0	0	0.065
7/27/2021 10:15	0	0	0.068
7/27/2021 10:16	0	0	0.07
7/27/2021 10:17	0	0	0.071
7/27/2021 10:18	0	0	0.071
7/27/2021 10:19	0	0	0.071
7/27/2021 10:20	0	0	0.069
7/27/2021 10:21	0	0	0.066
7/27/2021 10:22	0	0	0.066
7/27/2021 10:23	0	0	0.065
7/27/2021 10:24	0	0	0.064
7/27/2021 10:25	0	0	0.062
7/27/2021 10:26	0	0	0.065
7/27/2021 10:27	0	0	0.07
7/27/2021 10:28	0	0	0.071
7/27/2021 10:29	0	0	0.07
7/27/2021 10:30	0	0	0.066
7/27/2021 10:31	0	0	0.067
7/27/2021 10:32	0	0	0.069
7/27/2021 10:33	0	0	0.073
7/27/2021 10:34	0	0	0.073
7/27/2021 10:35	0	0	0.072
7/27/2021 10:36	0	0	0.071

Record of Community Air Monitoring (Upwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 10:37	0	0	0.069
7/27/2021 10:38	0	0	0.068
7/27/2021 10:39	0	0	0.073
7/27/2021 10:40	0	0	0.074
7/27/2021 10:41	0	0	0.072
7/27/2021 10:42	0	0	0.073
7/27/2021 10:43	0	0	0.07
7/27/2021 10:44	0	0	0.065
7/27/2021 10:45	0	0	0.064
7/27/2021 10:46	0	0	0.066
7/27/2021 10:47	0	0	0.066
7/27/2021 10:48	0	0	0.072
7/27/2021 10:49	0	0	0.078
7/27/2021 10:50	0	0	0.074
7/27/2021 10:51	0	0	0.08
7/27/2021 10:52	0	0	0.075
7/27/2021 10:53	0	0	0.069
7/27/2021 10:54	0	0	0.066
7/27/2021 10:55	0	0	0.072
7/27/2021 10:56	0	0	0.069
7/27/2021 10:57	0	0	0.068
7/27/2021 10:58	0	0	0.067
7/27/2021 10:59	0	0	0.071
7/27/2021 11:00	0	0	0.066
7/27/2021 11:01	0	0	0.061
7/27/2021 11:02	0	0	0.069
7/27/2021 11:03	0	0	0.061
7/27/2021 11:04	0	0	0.063
7/27/2021 11:05	0	0	0.061
7/27/2021 11:06	0	0	0.06
7/27/2021 11:07	0	0	0.061
7/27/2021 11:08	0	0	0.064
7/27/2021 11:09	0	0	0.058
7/27/2021 11:10	0	0	0.061
7/27/2021 11:11	0	0	0.06
7/27/2021 11:12	0	0	0.061
7/27/2021 11:13	0	0	0.061
7/27/2021 11:14	0	0	0.061

Record of Community Air Monitoring (Upwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 11:15	0	0	0.06
7/27/2021 11:16	0	0	0.059
7/27/2021 11:17	0	0	0.06
7/27/2021 11:18	0	0	0.062
7/27/2021 11:19	0	0	0.061
7/27/2021 11:20	0	0	0.063
7/27/2021 11:21	0	0	0.066
7/27/2021 11:22	0	0	0.066
7/27/2021 11:23	0	0	0.067
7/27/2021 11:24	0	0	0.067
7/27/2021 11:25	0	0	0.066
7/27/2021 11:26	0	0	0.066
7/27/2021 11:27	0	0	0.067
7/27/2021 11:28	0	0	0.068
7/27/2021 11:29	0	0	0.068
7/27/2021 11:30	0	0	0.065
7/27/2021 11:31	0	0	0.068
7/27/2021 11:32	0	0	0.071
7/27/2021 11:33	0	0	0.071
7/27/2021 11:34	0	0	0.07
7/27/2021 11:35	0	0	0.071
7/27/2021 11:36	0	0	0.071
7/27/2021 11:37	0	0	0.07
7/27/2021 11:38	0	0	0.07
7/27/2021 11:39	0	0	0.07
7/27/2021 11:40	0	0	0.068
7/27/2021 11:41	0	0	0.071
7/27/2021 11:42	0	0	0.069
7/27/2021 11:43	0	0	0.07
7/27/2021 11:44	0	0	0.07
7/27/2021 11:45	0	0	0.07
7/27/2021 11:46	0	0	0.07
7/27/2021 11:47	0	0	0.069
7/27/2021 11:48	0	0	0.069
7/27/2021 11:49	0	0	0.069
7/27/2021 11:50	0	0	0.067
7/27/2021 11:51	0	0	0.067
7/27/2021 11:52	0	0	0.065

Record of Community Air Monitoring (Upwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 11:53	0	0	0.065
7/27/2021 11:54	0	0	0.063
7/27/2021 11:55	0	0	0.062
7/27/2021 11:56	0	0	0.063
7/27/2021 11:57	0	0	0.063
7/27/2021 11:58	0	0	0.062
7/27/2021 11:59	0	0	0.061
7/27/2021 12:00	0	0	0.059
7/27/2021 12:01	0	0	0.058
7/27/2021 12:02	0	0	0.059
7/27/2021 12:03	0	0	0.057
7/27/2021 12:04	0	0	0.057
7/27/2021 12:05	0	0	0.058
7/27/2021 12:06	0	0	0.056
7/27/2021 12:07	0	0	0.057
7/27/2021 12:08	0	0	0.057
7/27/2021 12:09	0	0	0.055
7/27/2021 12:10	0	0	0.055
7/27/2021 12:11	0	0	0.056
7/27/2021 12:12	0	0	0.055
7/27/2021 12:13	0	0	0.056
7/27/2021 12:14	0	0	0.055
7/27/2021 12:15	0	0	0.055
7/27/2021 12:16	0	0	0.055
7/27/2021 12:17	0	0	0.055
7/27/2021 12:18	0	0	0.055
7/27/2021 12:19	0	0	0.055
7/27/2021 12:20	0	0	0.054
7/27/2021 12:21	0	0	0.055
7/27/2021 12:22	0	0	0.055
7/27/2021 12:23	0	0	0.055
7/27/2021 12:24	0	0	0.055
7/27/2021 12:25	0	0	0.055
7/27/2021 12:26	0	0	0.055
7/27/2021 12:27	0	0	0.055
7/27/2021 12:28	0	0	0.055
7/27/2021 12:29	0	0	0.056
7/27/2021 12:30	0	0	0.056

Record of Community Air Monitoring (Upwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 12:31	0	0	0.055
7/27/2021 12:32	0	0	0.056
7/27/2021 12:33	0	0	0.058
7/27/2021 12:34	0	0	0.057
7/27/2021 12:35	0	0	0.058
7/27/2021 12:36	0	0	0.059
7/27/2021 12:37	0	0	0.059
7/27/2021 12:38	0	0	0.058
7/27/2021 12:39	0	0	0.057
7/27/2021 12:40	0	0	0.057
7/27/2021 12:41	0	0	0.056
7/27/2021 12:42	0	0	0.057
7/27/2021 12:43	0	0	0.056
7/27/2021 12:44	0	0	0.056
7/27/2021 12:45	0	0	0.057
7/27/2021 12:46	0	0	0.056
7/27/2021 12:47	0	0	0.055
7/27/2021 12:48	0	0	0.055
7/27/2021 12:49	0	0	0.055
7/27/2021 12:50	0	0	0.053
7/27/2021 12:51	0	0	0.053
7/27/2021 12:52	0	0	0.053
7/27/2021 12:53	0	0	0.054
7/27/2021 12:54	0	0	0.054
7/27/2021 12:55	0	0	0.054
7/27/2021 12:56	0	0	0.056
7/27/2021 12:57	0	0	0.053
7/27/2021 12:58	0	0	0.053
7/27/2021 12:59	0	0	0.054
7/27/2021 13:00	0	0	0.053
7/27/2021 13:01	0	0	0.053
7/27/2021 13:02	0	0	0.053
7/27/2021 13:03	0	0	0.053
7/27/2021 13:04	0	0	0.053
7/27/2021 13:05	0	0	0.053
7/27/2021 13:06	0	0	0.054
7/27/2021 13:07	0	0	0.055
7/27/2021 13:08	0	0	0.053

Record of Community Air Monitoring (Upwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 13:09	0	0	0.054
7/27/2021 13:10	0	0	0.055
7/27/2021 13:11	0	0	0.054
7/27/2021 13:12	0	0	0.054
7/27/2021 13:13	0	0	0.054
7/27/2021 13:14	0	0	0.054
7/27/2021 13:15	0	0	0.053
7/27/2021 13:16	0	0	0.054
7/27/2021 13:17	0	0	0.055
7/27/2021 13:18	0	0	0.053
7/27/2021 13:19	0	0	0.053
7/27/2021 13:20	0	0	0.053
7/27/2021 13:21	0	0	0.052
7/27/2021 13:22	0	0	0.053
7/27/2021 13:23	0	0	0.053
7/27/2021 13:24	0	0	0.052
7/27/2021 13:25	0	0	0.052
7/27/2021 13:26	0	0	0.052
7/27/2021 13:27	0	0	0.054
7/27/2021 13:28	0	0	0.053
7/27/2021 13:29	0	0	0.052
7/27/2021 13:30	0	0	0.051
7/27/2021 13:31	0	0	0.051
7/27/2021 13:32	0	0	0.051
7/27/2021 13:33	0	0	0.052
7/27/2021 13:34	0	0	0.053
7/27/2021 13:35	0	0	0.051
7/27/2021 13:36	0	0	0.051
7/27/2021 13:37	0	0	0.055
7/27/2021 13:38	0	0	0.054

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 9:07	0	0	0.038
7/28/2021 9:08	0	0	0.038
7/28/2021 9:09	0	0	0.037
7/28/2021 9:10	0	0	0.038
7/28/2021 9:11	0	0	0.037
7/28/2021 9:12	0	0	0.037
7/28/2021 9:13	0	0	0.037
7/28/2021 9:14	0	0	0.036
7/28/2021 9:15	0	0	0.037
7/28/2021 9:16	0	0	0.04
7/28/2021 9:17	0	0	0.037
7/28/2021 9:18	0	0	0.036
7/28/2021 9:19	0	0	0.037
7/28/2021 9:20	0	0	0.037
7/28/2021 9:21	0	0	0.037
7/28/2021 9:22	0	0	0.036
7/28/2021 9:23	0	0	0.035
7/28/2021 9:24	0	0	0.035
7/28/2021 9:25	0	0	0.035
7/28/2021 9:26	0	0	0.035
7/28/2021 9:27	0	0	0.035
7/28/2021 9:28	0	0	0.035
7/28/2021 9:29	0	0	0.035
7/28/2021 9:30	0	0	0.035
7/28/2021 9:31	0	0	0.035
7/28/2021 9:32	0	0	0.035
7/28/2021 9:33	0	0	0.035
7/28/2021 9:34	0	0	0.035
7/28/2021 9:35	0	0	0.035
7/28/2021 9:36	0	0	0.036
7/28/2021 9:37	0	0	0.035
7/28/2021 9:38	0	0	0.035
7/28/2021 9:39	0	0	0.035
7/28/2021 9:40	0	0	0.035
7/28/2021 9:41	0	0	0.035
7/28/2021 9:42	0	0	0.036
7/28/2021 9:43	0	0	0.035
7/28/2021 9:44	0	0	0.035

Record of Community Air Monitoring (Upwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 9:45	0	0	0.035
7/28/2021 9:46	0	0	0.035
7/28/2021 9:47	0	0	0.035
7/28/2021 9:48	0	0	0.035
7/28/2021 9:49	0	0	0.036
7/28/2021 9:50	0	0	0.035
7/28/2021 9:51	0	0	0.035
7/28/2021 9:52	0	0	0.035
7/28/2021 9:53	0	0	0.035
7/28/2021 9:54	0	0	0.036
7/28/2021 9:55	0	0	0.036
7/28/2021 9:56	0	0	0.035
7/28/2021 9:57	0	0	0.035
7/28/2021 9:58	0	0	0.035
7/28/2021 9:59	0	0	0.035
7/28/2021 10:00	0	0	0.035
7/28/2021 10:01	0	0	0.036
7/28/2021 10:02	0	0	0.036
7/28/2021 10:03	0	0	0.036
7/28/2021 10:04	0	0	0.036
7/28/2021 10:05	0	0	0.036
7/28/2021 10:06	0	0	0.036
7/28/2021 10:07	0	0	0.036
7/28/2021 10:08	0	0	0.035
7/28/2021 10:09	0	0	0.036
7/28/2021 10:10	0	0	0.036
7/28/2021 10:11	0	0	0.035
7/28/2021 10:12	0	0	0.036
7/28/2021 10:13	0	0	0.035
7/28/2021 10:14	0	0	0.036
7/28/2021 10:15	0	0	0.036
7/28/2021 10:16	0	0	0.035
7/28/2021 10:17	0	0	0.036
7/28/2021 10:18	0	0	0.035
7/28/2021 10:19	0	0	0.036
7/28/2021 10:20	0	0	0.036
7/28/2021 10:21	0	0	0.036
7/28/2021 10:22	0	0	0.036

Record of Community Air Monitoring (Upwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 10:23	0	0	0.036
7/28/2021 10:24	0	0	0.036
7/28/2021 10:25	0	0	0.036
7/28/2021 10:26	0	0	0.036
7/28/2021 10:27	0	0	0.036
7/28/2021 10:28	0	0	0.036
7/28/2021 10:29	0	0	0.036
7/28/2021 10:30	0	0	0.036
7/28/2021 10:31	0	0	0.036
7/28/2021 10:32	0	0	0.035
7/28/2021 10:33	0	0	0.035
7/28/2021 10:34	0	0	0.036
7/28/2021 10:35	0	0	0.035
7/28/2021 10:36	0	0	0.036
7/28/2021 10:37	0	0	0.036
7/28/2021 10:38	0	0	0.036
7/28/2021 10:39	0	0	0.036
7/28/2021 10:40	0	0	0.036
7/28/2021 10:41	0	0	0.036
7/28/2021 10:42	0	0	0.037
7/28/2021 10:43	0	0	0.037
7/28/2021 10:44	0	0	0.038
7/28/2021 10:45	0	0	0.037
7/28/2021 10:46	0	0	0.037
7/28/2021 10:47	0	0	0.037
7/28/2021 10:48	0	0	0.038
7/28/2021 10:49	0	0	0.037
7/28/2021 10:50	0	0	0.038
7/28/2021 10:51	0	0	0.036
7/28/2021 10:52	0	0	0.036
7/28/2021 10:53	0	0	0.037
7/28/2021 10:54	0	0	0.037
7/28/2021 10:55	0	0	0.036
7/28/2021 10:56	0	0	0.037
7/28/2021 10:57	0	0	0.037
7/28/2021 10:58	0	0	0.037
7/28/2021 10:59	0	0	0.037
7/28/2021 11:00	0	0	0.037

Record of Community Air Monitoring (Upwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 11:01	0	0	0.037
7/28/2021 11:02	0	0	0.037
7/28/2021 11:03	0	0	0.037
7/28/2021 11:04	0	0	0.037
7/28/2021 11:05	0	0	0.037
7/28/2021 11:06	0	0	0.037
7/28/2021 11:07	0	0	0.038
7/28/2021 11:08	0	0	0.038
7/28/2021 11:09	0	0	0.037
7/28/2021 11:10	0	0	0.038
7/28/2021 11:11	0	0	0.038
7/28/2021 11:12	0	0	0.038
7/28/2021 11:13	0	0	0.038
7/28/2021 11:14	0	0	0.037
7/28/2021 11:15	0	0	0.037
7/28/2021 11:16	0	0	0.037
7/28/2021 11:17	0	0	0.037
7/28/2021 11:18	0	0	0.037
7/28/2021 11:19	0	0	0.037
7/28/2021 11:20	0	0	0.037
7/28/2021 11:21	0	0	0.037
7/28/2021 11:22	0	0	0.038
7/28/2021 11:23	0	0	0.037
7/28/2021 11:24	0	0	0.037
7/28/2021 11:25	0	0	0.037
7/28/2021 11:26	0	0	0.037
7/28/2021 11:27	0	0	0.037
7/28/2021 11:28	0	0	0.037
7/28/2021 11:29	0	0	0.037
7/28/2021 11:30	0	0	0.038
7/28/2021 11:31	0	0	0.038
7/28/2021 11:32	0	0	0.037
7/28/2021 11:33	0	0	0.037
7/28/2021 11:34	0	0	0.037
7/28/2021 11:35	0	0	0.037
7/28/2021 11:36	0	0	0.038
7/28/2021 11:37	0	0	0.037
7/28/2021 11:38	0	0	0.038

Record of Community Air Monitoring (Upwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 11:39	0	0	0.038
7/28/2021 11:40	0	0	0.038
7/28/2021 11:41	0	0	0.037
7/28/2021 11:42	0	0	0.037
7/28/2021 11:43	0	0	0.037
7/28/2021 11:44	0	0	0.036
7/28/2021 11:45	0	0	0.037
7/28/2021 11:46	0	0	0.036
7/28/2021 11:47	0	0	0.036
7/28/2021 11:48	0	0	0.036
7/28/2021 11:49	0	0	0.036
7/28/2021 11:50	0	0	0.036
7/28/2021 11:51	0	0	0.036
7/28/2021 11:52	0	0	0.036
7/28/2021 11:53	0	0	0.036
7/28/2021 11:54	0	0	0.036
7/28/2021 11:55	0	0	0.036
7/28/2021 11:56	0	0	0.036
7/28/2021 11:57	0	0	0.036
7/28/2021 11:58	0	0	0.036
7/28/2021 11:59	0	0	0.035
7/28/2021 12:00	0	0	0.036
7/28/2021 12:01	0	0	0.035
7/28/2021 12:02	0	0	0.035
7/28/2021 12:03	0	0	0.035
7/28/2021 12:04	0	0	0.036
7/28/2021 12:05	0	0	0.036
7/28/2021 12:06	0	0	0.035
7/28/2021 12:07	0	0	0.035
7/28/2021 12:08	0	0	0.036
7/28/2021 12:09	0	0	0.035
7/28/2021 12:10	0	0	0.036
7/28/2021 12:11	0	0	0.034
7/28/2021 12:12	0	0	0.034
7/28/2021 12:13	0	0	0.034
7/28/2021 12:14	0	0	0.034
7/28/2021 12:15	0	0	0.035
7/28/2021 12:16	0	0	0.034

Record of Community Air Monitoring (Upwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 12:17	0	0	0.034
7/28/2021 12:18	0	0	0.034
7/28/2021 12:19	0	0	0.033
7/28/2021 12:20	0	0	0.034
7/28/2021 12:21	0	0	0.035

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 7:29	0	0	0.032
7/29/2021 7:30	0	0	0.031
7/29/2021 7:31	0	0	0.031
7/29/2021 7:32	0	0	0.029
7/29/2021 7:33	0	0	0.029
7/29/2021 7:34	0	0	0.028
7/29/2021 7:35	0	0	0.029
7/29/2021 7:36	0	0	0.028
7/29/2021 7:37	0	0	0.027
7/29/2021 7:38	0	0	0.027
7/29/2021 7:39	0	0	0.027
7/29/2021 7:40	0	0	0.026
7/29/2021 7:41	0	0	0.027
7/29/2021 7:42	0	0	0.027
7/29/2021 7:43	0	0	0.027
7/29/2021 7:44	0	0	0.027
7/29/2021 7:45	0	0	0.027
7/29/2021 7:46	0	0	0.027
7/29/2021 7:47	0	0	0.027
7/29/2021 7:48	0	0	0.027
7/29/2021 7:49	0	0	0.027
7/29/2021 7:50	0	0	0.027
7/29/2021 7:51	0	0	0.027
7/29/2021 7:52	0	0	0.027
7/29/2021 7:53	0	0	0.027
7/29/2021 7:54	0	0	0.027
7/29/2021 7:55	0	0	0.026
7/29/2021 7:56	0	0	0.027
7/29/2021 7:57	0	0	0.027
7/29/2021 7:58	0	0	0.026
7/29/2021 7:59	0	0	0.026
7/29/2021 8:00	0	0	0.027
7/29/2021 8:01	0	0	0.026
7/29/2021 8:02	0	0	0.027
7/29/2021 8:03	0	0	0.026
7/29/2021 8:04	0	0	0.026
7/29/2021 8:05	0	0	0.026
7/29/2021 8:06	0	0	0.026

Record of Community Air Monitoring (Upwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 8:07	0	0	0.027
7/29/2021 8:08	0	0	0.026
7/29/2021 8:09	0	0	0.026
7/29/2021 8:10	0	0	0.026
7/29/2021 8:11	0	0	0.027
7/29/2021 8:12	0	0	0.027
7/29/2021 8:13	0	0	0.026
7/29/2021 8:14	0	0	0.027
7/29/2021 8:15	0	0	0.026
7/29/2021 8:16	0	0	0.026
7/29/2021 8:17	0	0	0.026
7/29/2021 8:18	0	0	0.027
7/29/2021 8:19	0	0	0.026
7/29/2021 8:20	0	0	0.026
7/29/2021 8:21	0	0	0.026
7/29/2021 8:22	0	0	0.026
7/29/2021 8:23	0	0	0.026
7/29/2021 8:24	0	0	0.026
7/29/2021 8:25	0	0	0.026
7/29/2021 8:26	0	0	0.026
7/29/2021 8:27	0	0	0.026
7/29/2021 8:28	0	0	0.026
7/29/2021 8:29	0	0	0.026
7/29/2021 8:30	0	0	0.026
7/29/2021 8:31	0	0	0.026
7/29/2021 8:32	0	0	0.026
7/29/2021 8:33	0	0	0.027
7/29/2021 8:34	0	0	0.026
7/29/2021 8:35	0	0	0.026
7/29/2021 8:36	0	0	0.026
7/29/2021 8:37	0	0	0.026
7/29/2021 8:38	0	0	0.027
7/29/2021 8:39	0	0	0.026
7/29/2021 8:40	0	0	0.027
7/29/2021 8:41	0	0	0.026
7/29/2021 8:42	0	0	0.026
7/29/2021 8:43	0	0	0.026
7/29/2021 8:44	0	0	0.027

Record of Community Air Monitoring (Upwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 8:45	0	0	0.026
7/29/2021 8:46	0	0	0.026
7/29/2021 8:47	0	0	0.027
7/29/2021 8:48	0	0	0.026
7/29/2021 8:49	0	0	0.027
7/29/2021 8:50	0	0	0.027
7/29/2021 8:51	0	0	0.026
7/29/2021 8:52	0	0	0.027
7/29/2021 8:53	0	0	0.027
7/29/2021 8:54	0	0	0.027
7/29/2021 8:55	0	0	0.026
7/29/2021 8:56	0	0	0.026
7/29/2021 8:57	0	0	0.027
7/29/2021 8:58	0	0	0.027
7/29/2021 8:59	0	0	0.026
7/29/2021 9:00	0	0	0.026
7/29/2021 9:01	0	0	0.026
7/29/2021 9:02	0	0	0.026
7/29/2021 9:03	0	0	0.026
7/29/2021 9:04	0	0	0.026
7/29/2021 9:05	0	0	0.026
7/29/2021 9:06	0	0	0.026
7/29/2021 9:07	0	0	0.027
7/29/2021 9:08	0	0	0.14
7/29/2021 9:09	0	0	0.027
7/29/2021 9:10	0	0	0.026
7/29/2021 9:11	0	0	0.026
7/29/2021 9:12	0	0	0.026
7/29/2021 9:13	0	0	0.026
7/29/2021 9:14	0	0	0.026
7/29/2021 9:15	0	0	0.026
7/29/2021 9:16	0	0	0.026
7/29/2021 9:17	0	0	0.026
7/29/2021 9:18	0	0	0.026
7/29/2021 9:19	0	0	0.026
7/29/2021 9:20	0	0	0.026
7/29/2021 9:21	0	0	0.025
7/29/2021 9:22	0	0	0.025

Record of Community Air Monitoring (Upwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 9:23	0	0	0.025
7/29/2021 9:24	0	0	0.026
7/29/2021 9:25	0	0	0.025
7/29/2021 9:26	0	0	0.025
7/29/2021 9:27	0	0	0.025
7/29/2021 9:28	0	0	0.025
7/29/2021 9:29	0	0	0.024
7/29/2021 9:30	0	0	0.024
7/29/2021 9:31	0	0	0.024
7/29/2021 9:32	0	0	0.024
7/29/2021 9:33	0	0	0.024
7/29/2021 9:34	0	0	0.024
7/29/2021 9:35	0	0	0.024
7/29/2021 9:36	0	0	0.024
7/29/2021 9:37	0	0	0.024
7/29/2021 9:38	0	0	0.024
7/29/2021 9:39	0	0	0.024
7/29/2021 9:40	0	0	0.025
7/29/2021 9:41	0	0	0.025
7/29/2021 9:42	0	0	0.025
7/29/2021 9:43	0	0	0.025
7/29/2021 9:44	0	0	0.024
7/29/2021 9:45	0	0	0.024
7/29/2021 9:46	0	0	0.024
7/29/2021 9:47	0	0	0.024
7/29/2021 9:48	0	0	0.024
7/29/2021 9:49	0	0	0.024
7/29/2021 9:50	0	0	0.024
7/29/2021 9:51	0	0	0.024
7/29/2021 9:52	0	0	0.023
7/29/2021 9:53	0	0	0.023
7/29/2021 9:54	0	0	0.023
7/29/2021 9:55	0	0	0.024
7/29/2021 9:56	0	0	0.024
7/29/2021 9:57	0	0	0.023
7/29/2021 9:58	0	0	0.023
7/29/2021 9:59	0	0	0.024
7/29/2021 10:00	0	0	0.024

Record of Community Air Monitoring (Upwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 10:01	0	0	0.023
7/29/2021 10:02	0	0	0.023
7/29/2021 10:03	0	0	0.023
7/29/2021 10:04	0	0	0.023
7/29/2021 10:05	0	0	0.023
7/29/2021 10:06	0	0	0.023
7/29/2021 10:07	0	0	0.023
7/29/2021 10:08	0	0	0.023
7/29/2021 10:09	0	0	0.023
7/29/2021 10:10	0	0	0.023
7/29/2021 10:11	0	0	0.023
7/29/2021 10:12	0	0	0.023
7/29/2021 10:13	0	0	0.023
7/29/2021 10:14	0	0	0.023
7/29/2021 10:15	0	0	0.023
7/29/2021 10:16	0	0	0.024
7/29/2021 10:17	0	0	0.024
7/29/2021 10:18	0	0	0.023
7/29/2021 10:19	0	0	0.023
7/29/2021 10:20	0	0	0.023
7/29/2021 10:21	0	0	0.023
7/29/2021 10:22	0	0	0.022
7/29/2021 10:23	0	0	0.023
7/29/2021 10:24	0	0	0.023
7/29/2021 10:25	0	0	0.022
7/29/2021 10:26	0	0	0.022
7/29/2021 10:27	0	0	0.022
7/29/2021 10:28	0	0	0.022
7/29/2021 10:29	0	0	0.022
7/29/2021 10:30	0	0	0.022
7/29/2021 10:31	0	0	0.022
7/29/2021 10:32	0	0	0.023
7/29/2021 10:33	0	0	0.023
7/29/2021 10:34	0	0	0.022
7/29/2021 10:35	0	0	0.022
7/29/2021 10:36	0	0	0.022
7/29/2021 10:37	0	0	0.023
7/29/2021 10:38	0	0	0.023

Record of Community Air Monitoring (Upwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 10:39	0	0	0.022
7/29/2021 10:40	0	0	0.022
7/29/2021 10:41	0	0	0.023
7/29/2021 10:42	0	0	0.023
7/29/2021 10:43	0	0	0.023
7/29/2021 10:44	0	0	0.023
7/29/2021 10:45	0	0	0.022
7/29/2021 10:46	0	0	0.022
7/29/2021 10:47	0	0	0.023
7/29/2021 10:48	0	0	0.023
7/29/2021 10:49	0	0	0.022
7/29/2021 10:50	0	0	0.022
7/29/2021 10:51	0	0	0.022
7/29/2021 10:52	0	0	0.022
7/29/2021 10:53	0	0	0.023
7/29/2021 10:54	0	0	0.022
7/29/2021 10:55	0	0	0.023
7/29/2021 10:56	0	0	0.022
7/29/2021 10:57	0	0	0.022
7/29/2021 10:58	0	0	0.032
7/29/2021 10:59	0	0	0.032
7/29/2021 11:00	0	0	0.029
7/29/2021 11:01	0	0	0.028
7/29/2021 11:02	0	0	0.025
7/29/2021 11:03	0	0	0.023
7/29/2021 11:04	0	0	0.023
7/29/2021 11:05	0	0	0.022
7/29/2021 11:06	0	0	0.022
7/29/2021 11:07	0	0	0.023
7/29/2021 11:08	0	0	0.024
7/29/2021 11:09	0	0	0.023
7/29/2021 11:10	0	0	0.024
7/29/2021 11:11	0	0	0.027
7/29/2021 11:12	0	0	0.029
7/29/2021 11:13	0	0	0.035
7/29/2021 11:14	0	0	0.035
7/29/2021 11:15	0	0	0.025
7/29/2021 11:16	0	0	0.028

Record of Community Air Monitoring (Upwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 11:17	0	0	0.024
7/29/2021 11:18	0	0	0.024
7/29/2021 11:19	0	0	0.023
7/29/2021 11:20	0	0	0.023
7/29/2021 11:21	0	0	0.024
7/29/2021 11:22	0	0	0.023
7/29/2021 11:23	0	0	0.023
7/29/2021 11:24	0	0	0.022
7/29/2021 11:25	0	0	0.023
7/29/2021 11:26	0	0	0.023
7/29/2021 11:27	0	0	0.023
7/29/2021 11:28	0	0	0.024
7/29/2021 11:29	0	0	0.024
7/29/2021 11:30	0	0	0.024
7/29/2021 11:31	0	0	0.024
7/29/2021 11:32	0	0	0.024
7/29/2021 11:33	0	0	0.024
7/29/2021 11:34	0	0	0.024
7/29/2021 11:35	0	0	0.024
7/29/2021 11:36	0	0	0.024
7/29/2021 11:37	0	0	0.024
7/29/2021 11:38	0	0	0.024
7/29/2021 11:39	0	0	0.023
7/29/2021 11:40	0	0	0.023
7/29/2021 11:41	0	0	0.024
7/29/2021 11:42	0	0	0.024
7/29/2021 11:43	0	0	0.024
7/29/2021 11:44	0	0	0.024
7/29/2021 11:45	0	0	0.024
7/29/2021 11:46	0	0	0.024
7/29/2021 11:47	0	0	0.024
7/29/2021 11:48	0	0	0.025
7/29/2021 11:49	0	0	0.024
7/29/2021 11:50	0	0	0.024
7/29/2021 11:51	0	0	0.023
7/29/2021 11:52	0	0	0.023
7/29/2021 11:53	0	0	0.023
7/29/2021 11:54	0	0	0.023

Record of Community Air Monitoring (Upwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 11:55	0	0	0.023
7/29/2021 11:56	0	0	0.023
7/29/2021 11:57	0	0	0.023
7/29/2021 11:58	0	0	0.023
7/29/2021 11:59	0	0	0.023
7/29/2021 12:00	0	0	0.023
7/29/2021 12:01	0	0	0.023
7/29/2021 12:02	0	0	0.023
7/29/2021 12:03	0	0	0.023
7/29/2021 12:04	0	0	0.023
7/29/2021 12:05	0	0	0.024
7/29/2021 12:06	0	0	0.023
7/29/2021 12:07	0	0	0.023
7/29/2021 12:08	0	0	0.023
7/29/2021 12:09	0	0	0.023
7/29/2021 12:10	0	0	0.023
7/29/2021 12:11	0	0	0.023
7/29/2021 12:12	0	0	0.023
7/29/2021 12:13	0	0	0.022
7/29/2021 12:14	0	0	0.023
7/29/2021 12:15	0	0	0.023
7/29/2021 12:16	0	0	0.023
7/29/2021 12:17	0	0	0.023
7/29/2021 12:18	0	0	0.022
7/29/2021 12:19	0	0	0.022
7/29/2021 12:20	0	0	0.022
7/29/2021 12:21	0	0	0.022
7/29/2021 12:22	0	0	0.022
7/29/2021 12:23	0	0	0.022
7/29/2021 12:24	0	0	0.022
7/29/2021 12:25	0	0	0.021
7/29/2021 12:26	0	0	0.021
7/29/2021 12:27	0	0	0.021
7/29/2021 12:28	0	0	0.021
7/29/2021 12:29	0	0	0.021
7/29/2021 12:30	0	0	0.021
7/29/2021 12:31	0	0	0.02
7/29/2021 12:32	0	0	0.02

Record of Community Air Monitoring (Upwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 12:33	0	0	0.02
7/29/2021 12:34	0	0	0.02
7/29/2021 12:35	0	0	0.021
7/29/2021 12:36	0	0	0.021
7/29/2021 12:37	0	0	0.022
7/29/2021 12:38	0	0	0.021
7/29/2021 12:39	0	0	0.021
7/29/2021 12:40	0	0	0.021
7/29/2021 12:41	0	0	0.021
7/29/2021 12:42	0	0	0.021
7/29/2021 12:43	0	0	0.02
7/29/2021 12:44	0	0	0.02
7/29/2021 12:45	0	0	0.02
7/29/2021 12:46	0	0	0.02
7/29/2021 12:47	0	0	0.021
7/29/2021 12:48	0	0	0.02
7/29/2021 12:49	0	0	0.021
7/29/2021 12:50	0	0	0.02
7/29/2021 12:51	0	0	0.02
7/29/2021 12:52	0	0	0.02
7/29/2021 12:53	0	0	0.02
7/29/2021 12:54	0	0	0.02
7/29/2021 12:55	0	0	0.02
7/29/2021 12:56	0	0	0.02
7/29/2021 12:57	0	0	0.02
7/29/2021 12:58	0	0	0.02
7/29/2021 12:59	0	0	0.02
7/29/2021 13:00	0	0	0.02
7/29/2021 13:01	0	0	0.02
7/29/2021 13:02	0	0	0.02
7/29/2021 13:03	0	0	0.02
7/29/2021 13:04	0	0	0.021
7/29/2021 13:05	0	0	0.021
7/29/2021 13:06	0	0	0.02
7/29/2021 13:07	0	0	0.02
7/29/2021 13:08	0	0	0.02
7/29/2021 13:09	0	0	0.02
7/29/2021 13:10	0	0	0.021
7/29/2021 13:11	0	0	0.02

Record of Community Air Monitoring (Upwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 13:12	0	0	0.02
7/29/2021 13:13	0	0	0.02
7/29/2021 13:14	0	0	0.02
7/29/2021 13:15	0	0	0.02
7/29/2021 13:16	0	0	0.02
7/29/2021 13:17	0	0	0.021
7/29/2021 13:18	0	0	0.02

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Upwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 7:57	1	0	0.033
7/30/2021 7:58	0.4	0	0.033
7/30/2021 7:59	0.3	0	0.034
7/30/2021 8:00	0.5	0	0.033
7/30/2021 8:01	0.3	0	0.032
7/30/2021 8:02	0.2	0	0.031
7/30/2021 8:03	0.1	0	0.031
7/30/2021 8:04	0	0	0.031
7/30/2021 8:05	0.2	0	0.032
7/30/2021 8:06	0.1	0	0.031
7/30/2021 8:07	0	0	0.03
7/30/2021 8:08	0	0	0.03
7/30/2021 8:09	0	0	0.03
7/30/2021 8:10	0	0	0.029
7/30/2021 8:11	0	0	0.029
7/30/2021 8:12	0	0	0.029
7/30/2021 8:13	0	0	0.029
7/30/2021 8:14	0	0	0.029
7/30/2021 8:15	0	0	0.028
7/30/2021 8:16	0	0	0.028
7/30/2021 8:17	0	0	0.028
7/30/2021 8:18	0	0	0.028
7/30/2021 8:19	0	0	0.028
7/30/2021 8:20	0	0	0.028
7/30/2021 8:21	0	0	0.027
7/30/2021 8:22	0	0	0.027
7/30/2021 8:23	0	0	0.027
7/30/2021 8:24	0	0	0.027
7/30/2021 8:25	0	0	0.026
7/30/2021 8:26	0	0	0.026
7/30/2021 8:27	0	0	0.026
7/30/2021 8:28	0	0	0.027
7/30/2021 8:29	0	0	0.026
7/30/2021 8:30	0	0	0.027
7/30/2021 8:31	0	0	0.027
7/30/2021 8:32	0	0	0.026
7/30/2021 8:33	0	0	0.026

Record of Community Air Monitoring (Upwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 8:34	0	0	0.026
7/30/2021 8:35	0	0	0.028
7/30/2021 8:36	0	0	0.026
7/30/2021 8:37	0	0	0.026
7/30/2021 8:38	0	0	0.026
7/30/2021 8:39	0	0	0.026
7/30/2021 8:40	0	0	0.026
7/30/2021 8:41	0	0	0.025
7/30/2021 8:42	0	0	0.025
7/30/2021 8:43	0	0	0.025
7/30/2021 8:44	0	0	0.026
7/30/2021 8:45	0	0	0.026
7/30/2021 8:46	0	0	0.025
7/30/2021 8:47	0	0	0.026
7/30/2021 8:48	0	0	0.025
7/30/2021 8:49	0	0	0.025
7/30/2021 8:50	0	0	0.025
7/30/2021 8:51	0	0	0.026
7/30/2021 8:52	0	0	0.025
7/30/2021 8:53	0	0	0.026
7/30/2021 8:54	0	0	0.025
7/30/2021 8:55	0	0	0.025
7/30/2021 8:56	0	0	0.025
7/30/2021 8:57	0	0	0.025
7/30/2021 8:58	0	0	0.025
7/30/2021 8:59	0	0	0.025
7/30/2021 9:00	0	0	0.025
7/30/2021 9:01	0	0	0.025
7/30/2021 9:02	0	0	0.025
7/30/2021 9:03	0	0	0.025
7/30/2021 9:04	0	0	0.025
7/30/2021 9:05	0	0	(a)
7/30/2021 9:06	0	0	(a)
7/30/2021 9:07	0	0	(a)
7/30/2021 9:08	0	0	(a)
7/30/2021 9:09	0	0	(a)
7/30/2021 9:10	0	0	(a)

Record of Community Air Monitoring (Upwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 9:11	0	0	(a)
7/30/2021 9:12	0	0	(a)
7/30/2021 9:13	0	0	(a)
7/30/2021 9:14	0	0	(a)
7/30/2021 9:15	0	0	(a)
7/30/2021 9:16	0	0	(a)
7/30/2021 9:17	0	0	(a)
7/30/2021 9:18	0	0	(a)
7/30/2021 9:19	0	0	(a)
7/30/2021 9:20	0	0	(a)
7/30/2021 9:21	0	0	(a)
7/30/2021 9:22	0	0	(a)
7/30/2021 9:23	0	0	(a)
7/30/2021 9:24	0	0	(a)
7/30/2021 9:25	0	0	(a)
7/30/2021 9:26	0	0	(a)
7/30/2021 9:27	0	0	(a)
7/30/2021 9:28	0	0	(a)
7/30/2021 9:29	0	0	(a)
7/30/2021 9:30	0	0	(a)
7/30/2021 9:31	0	0	(a)
7/30/2021 9:32	0	0	(a)
7/30/2021 9:33	0	0	(a)
7/30/2021 9:34	0	0	(a)
7/30/2021 9:35	0	0	(a)
7/30/2021 9:36	0	0	(a)
7/30/2021 9:37	0	0	(a)
7/30/2021 9:38	0	0	(a)
7/30/2021 9:39	0	0	(a)
7/30/2021 9:40	0	0	(a)
7/30/2021 9:41	0	0	(a)
7/30/2021 9:42	0	0	(a)
7/30/2021 9:43	0	0	(a)
7/30/2021 9:44	0	0	(a)
7/30/2021 9:45	0	0	(a)
7/30/2021 9:46	0	0	(a)
7/30/2021 9:47	0	0	(a)

Record of Community Air Monitoring (Upwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 9:48	0	0	(a)
7/30/2021 9:49	0	0	(a)
7/30/2021 9:50	0	0	(a)
7/30/2021 9:51	0	0	(a)
7/30/2021 9:52	0	0	(a)
7/30/2021 9:53	0	0	(a)
7/30/2021 9:54	0	0	(a)
7/30/2021 9:55	0	0	(a)
7/30/2021 9:56	0	0	(a)
7/30/2021 9:57	0	0	(a)
7/30/2021 9:58	0	0	(a)
7/30/2021 9:59	0	0	(a)
7/30/2021 10:00	0	0	(a)
7/30/2021 10:01	0	0	(a)
7/30/2021 10:02	0	0	(a)
7/30/2021 10:03	0	0	(a)
7/30/2021 10:04	0	0	(a)
7/30/2021 10:05	0	0	(a)
7/30/2021 10:06	0	0	(a)
7/30/2021 10:07	0	0	(a)
7/30/2021 10:08	0	0	(a)
7/30/2021 10:09	0	0	(a)
7/30/2021 10:10	0	0	(a)
7/30/2021 10:11	0	0	(a)
7/30/2021 10:12	0	0	(a)
7/30/2021 10:13	0	0	(a)
7/30/2021 10:14	0	0	(a)
7/30/2021 10:15	0	0	(a)
7/30/2021 10:16	0	0	(a)
7/30/2021 10:17	0	0	(a)
7/30/2021 10:18	0	0	(a)
7/30/2021 10:19	0	0	0
7/30/2021 10:20	0	0	0.025
7/30/2021 10:21	0	0	0.022
7/30/2021 10:22	0	0	0.019
7/30/2021 10:23	0	0	0.021
7/30/2021 10:24	0	0	0.035

Record of Community Air Monitoring (Upwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 10:25	0	0	0.024
7/30/2021 10:26	0	0	(a)
7/30/2021 10:27	0	0	(a)
7/30/2021 10:28	0	0	(a)
7/30/2021 10:29	0	0	(a)
7/30/2021 10:30	0	0	(a)
7/30/2021 10:31	0	0	(a)
7/30/2021 10:32	0	0	(a)
7/30/2021 10:33	0	0	(a)
7/30/2021 10:34	0	0	(a)
7/30/2021 10:35	0	0	(a)
7/30/2021 10:36	0	0	(a)
7/30/2021 10:37	0	0	(a)
7/30/2021 10:38	0	0	(a)
7/30/2021 10:39	0	0	(a)
7/30/2021 10:40	0	0	(a)
7/30/2021 10:41	0	0	(a)
7/30/2021 10:42	0	0	(a)
7/30/2021 10:43	0	0	(a)
7/30/2021 10:44	0	0	(a)
7/30/2021 10:45	0	0	(a)
7/30/2021 10:46	0	0	(a)
7/30/2021 10:47	0	0	(a)
7/30/2021 10:48	0	0	(a)
7/30/2021 10:49	0	0	(a)
7/30/2021 10:50	0	0	(a)
7/30/2021 10:51	0	0	(a)
7/30/2021 10:52	0	0	(a)
7/30/2021 10:53	0	0	(a)
7/30/2021 10:54	0	0	(a)
7/30/2021 10:55	0	0	(a)
7/30/2021 10:56	0	0	(a)
7/30/2021 10:57	0	0	0
7/30/2021 10:58	0	0	0.03
7/30/2021 10:59	0	0	0.03
7/30/2021 11:00	0	0	0.032
7/30/2021 11:01	0	0	0.029

Record of Community Air Monitoring (Upwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 11:02	0	0	0.029
7/30/2021 11:03	0	0	0.029
7/30/2021 11:04	0	0	(a)
7/30/2021 11:05	0	0	(a)
7/30/2021 11:06	0	0	(a)
7/30/2021 11:07	0	0	(a)
7/30/2021 11:08	0	0	(a)
7/30/2021 11:09	0	0	(a)
7/30/2021 11:10	0	0	(a)
7/30/2021 11:11	0	0	(a)
7/30/2021 11:12	0	0	(a)
7/30/2021 11:13	0	0	(a)
7/30/2021 11:14	0	0	(a)
7/30/2021 11:15	0	0	(a)
7/30/2021 11:16	0	0	(a)
7/30/2021 11:17	0	0	(a)
7/30/2021 11:18	0	0	(a)
7/30/2021 11:19	0	0	(a)
7/30/2021 11:20	0	0	(a)
7/30/2021 11:21	0	0	(a)
7/30/2021 11:22	0	0	(a)
7/30/2021 11:23	0	0	(a)
7/30/2021 11:24	0	0	(a)
7/30/2021 11:25	0	0	(a)
7/30/2021 11:26	0	0	(a)
7/30/2021 11:27	0	0	(a)
7/30/2021 11:28	0	0	(a)
7/30/2021 11:29	0	0	(a)
7/30/2021 11:30	0	0	(a)
7/30/2021 11:31	0	0	(a)
7/30/2021 11:32	0	0	(a)
7/30/2021 11:33	0	0	(a)
7/30/2021 11:34	0	0	(a)
7/30/2021 11:35	0	0	(a)
7/30/2021 11:36	0	0	(a)
7/30/2021 11:37	0	0	(a)
7/30/2021 11:38	0	0	(a)

Record of Community Air Monitoring (Upwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 11:39	0	0	(a)
7/30/2021 11:40	0	0	(a)
7/30/2021 11:41	0	0	(a)
7/30/2021 11:42	0	0	(a)
7/30/2021 11:43	0	0	(a)
7/30/2021 11:44	0	0	(a)
7/30/2021 11:45	0	0	(a)
7/30/2021 11:46	0	0	(a)
7/30/2021 11:47	0	0	(a)
7/30/2021 11:48	0	0	(a)
7/30/2021 11:49	0	0	(a)
7/30/2021 11:50	0	0	(a)
7/30/2021 11:51	0	0	(a)
7/30/2021 11:52	0	0	(a)
7/30/2021 11:53	0	0	(a)
7/30/2021 11:54	0	0	(a)
7/30/2021 11:55	0	0	(a)
7/30/2021 11:56	0	0	(a)
7/30/2021 11:57	0	0	(a)
7/30/2021 11:58	0	0	(a)
7/30/2021 11:59	0	0	(a)
7/30/2021 12:00	0	0	(a)
7/30/2021 12:01	0	0	(a)
7/30/2021 12:02	0	0	(a)
7/30/2021 12:03	0	0	(a)
7/30/2021 12:04	0	0	(a)
7/30/2021 12:05	0	0	(a)
7/30/2021 12:06	0	0	(a)
7/30/2021 12:07	0	0	(a)
7/30/2021 12:08	0	0	(a)
7/30/2021 12:09	0	0	(a)
7/30/2021 12:10	0	0	(a)
7/30/2021 12:11	0	0	(a)
7/30/2021 12:12	0	0	(a)
7/30/2021 12:13	0	0	(a)
7/30/2021 12:14	0	0	(a)
7/30/2021 12:15	0	0	(a)

Record of Community Air Monitoring (Upwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 12:16	0	0	(a)
7/30/2021 12:17	0	0	(a)
7/30/2021 12:18	0	0	(a)
7/30/2021 12:19	0	0	(a)
7/30/2021 12:20	0	0	(a)
7/30/2021 12:21	0	0	(a)
7/30/2021 12:22	0	0	(a)
7/30/2021 12:23	0	0	(a)
7/30/2021 12:24	0	0	(a)
7/30/2021 12:25	0	0	(a)
7/30/2021 12:26	0	0	(a)
7/30/2021 12:27	0	0	(a)
7/30/2021 12:28	0	0	(a)
7/30/2021 12:29	0	0	(a)
7/30/2021 12:30	0	0	(a)
7/30/2021 12:31	0	0	(a)
7/30/2021 12:32	0	0	(a)
7/30/2021 12:33	0	0	(a)
7/30/2021 12:34	0	0	(a)
7/30/2021 12:35	0	0	(a)
7/30/2021 12:36	0	0	(a)
7/30/2021 12:37	0	0	(a)
7/30/2021 12:38	0	0	(a)
7/30/2021 12:39	0	0	(a)
7/30/2021 12:40	0	0	(a)
7/30/2021 12:41	0	0	(a)
7/30/2021 12:42	0	0	(a)
7/30/2021 12:43	0	0	(a)
7/30/2021 12:44	0	0	(a)
7/30/2021 12:45	0	0	(a)
7/30/2021 12:46	0	0	(a)
7/30/2021 12:47	0	0	(a)
7/30/2021 12:48	0	0	(a)
7/30/2021 12:49	0	0	(a)
7/30/2021 12:50	0	0	(a)
7/30/2021 12:51	0	0	(a)
7/30/2021 12:52	0	0	(a)

Record of Community Air Monitoring (Upwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 12:53	0	0	(a)
7/30/2021 12:54	0	0	(a)
7/30/2021 12:55	0	0	(a)
7/30/2021 12:56	0	0	(a)
7/30/2021 12:57	0	0	(a)
7/30/2021 12:58	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

Record of Community Air Monitoring (Upwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 7:20	0	0	0.015
8/2/2021 7:21	0	0	0.015
8/2/2021 7:22	0	0	0.016
8/2/2021 7:23	0	0	0.015
8/2/2021 7:24	0	0	0.015
8/2/2021 7:25	0	0	0.015
8/2/2021 7:26	0	0	0.015
8/2/2021 7:27	0	0	0.015
8/2/2021 7:28	0	0	0.016
8/2/2021 7:29	0	0	0.015
8/2/2021 7:30	0	0	0.016
8/2/2021 7:31	0	0	0.016
8/2/2021 7:32	0	0	0.016
8/2/2021 7:33	0	0	0.016
8/2/2021 7:34	0	0	0.016
8/2/2021 7:35	0	0	0.016
8/2/2021 7:36	0	0	0.016
8/2/2021 7:37	0	0	0.016
8/2/2021 7:38	0	0	0.016
8/2/2021 7:39	0	0	0.016
8/2/2021 7:40	0	0	0.016
8/2/2021 7:41	0	0	0.016
8/2/2021 7:42	0	0	0.016
8/2/2021 7:43	0	0	0.016
8/2/2021 7:44	0	0	0.016
8/2/2021 7:45	0	0	0.016
8/2/2021 7:46	0	0	0.016
8/2/2021 7:47	0	0	0.016
8/2/2021 7:48	0	0	0.016
8/2/2021 7:49	0	0	0.016
8/2/2021 7:50	0	0	0.016
8/2/2021 7:51	0	0	0.016
8/2/2021 7:52	0	0	0.016
8/2/2021 7:53	0	0	0.016
8/2/2021 7:54	0	0	0.016

Record of Community Air Monitoring (Upwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 7:55	0	0	0.016
8/2/2021 7:56	0	0	0.016
8/2/2021 7:57	0	0	0.016
8/2/2021 7:58	0	0	0.016
8/2/2021 7:59	0	0	0.016
8/2/2021 8:00	0	0	0.016
8/2/2021 8:01	0	0	0.016
8/2/2021 8:02	0	0	0.016
8/2/2021 8:03	0	0	0.016
8/2/2021 8:04	0	0	0.016
8/2/2021 8:05	0	0	0.016
8/2/2021 8:06	0	0	0.016
8/2/2021 8:07	0	0	0.016
8/2/2021 8:08	0	0	0.016
8/2/2021 8:09	0	0	0.016
8/2/2021 8:10	0	0	0.016
8/2/2021 8:11	0	0	0.016
8/2/2021 8:12	0	0	0.016
8/2/2021 8:13	0	0	0.016
8/2/2021 8:14	0	0	0.016
8/2/2021 8:15	0	0	0.016
8/2/2021 8:16	0	0	0.016
8/2/2021 8:17	0	0	0.016
8/2/2021 8:18	0	0	0.015
8/2/2021 8:19	0	0	0.016
8/2/2021 8:20	0	0	0.016
8/2/2021 8:21	0	0	0.016
8/2/2021 8:22	0	0	0.016
8/2/2021 8:23	0	0	0.015
8/2/2021 8:24	0	0	0.015
8/2/2021 8:25	0	0	0.015
8/2/2021 8:26	0	0	0.015
8/2/2021 8:27	0	0	0.015
8/2/2021 8:28	0	0	0.015
8/2/2021 8:29	0	0	0.015

Record of Community Air Monitoring (Upwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 8:30	0	0	0.015
8/2/2021 8:31	0	0	0.015
8/2/2021 8:32	0	0	0.016
8/2/2021 8:33	0	0	0.015
8/2/2021 8:34	0	0	0.015
8/2/2021 8:35	0	0	0.015
8/2/2021 8:36	0	0	0.016
8/2/2021 8:37	0	0	0.016
8/2/2021 8:38	0	0	0.016
8/2/2021 8:39	0	0	0.017
8/2/2021 8:40	0	0	0.017
8/2/2021 8:41	0	0	0.017
8/2/2021 8:42	0	0	0.017
8/2/2021 8:43	0	0	0.017
8/2/2021 8:44	0	0	0.017
8/2/2021 8:45	0	0	0.018
8/2/2021 8:46	0	0	0.018
8/2/2021 8:47	0	0	0.019
8/2/2021 8:48	0	0	0.019
8/2/2021 8:49	0	0	0.019
8/2/2021 8:50	0	0	0.02
8/2/2021 8:51	0	0	0.02
8/2/2021 8:52	0	0	0.02
8/2/2021 8:53	0	0	0.02
8/2/2021 8:54	0	0	0.02
8/2/2021 8:55	0	0	0.02
8/2/2021 8:56	0	0	0.02
8/2/2021 8:57	0	0	0.02
8/2/2021 8:58	0	0	0.02
8/2/2021 8:59	0	0	0.021
8/2/2021 9:00	0	0	0.021
8/2/2021 9:01	0	0	0.021
8/2/2021 9:02	0	0	0.021
8/2/2021 9:03	0	0	0.021
8/2/2021 9:04	0	0	0.021

Record of Community Air Monitoring (Upwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 9:05	0	0	0.021
8/2/2021 9:06	0	0	0.021
8/2/2021 9:07	0	0	0.021
8/2/2021 9:08	0	0	0.021
8/2/2021 9:09	0	0	0.021
8/2/2021 9:10	0	0	0.022
8/2/2021 9:11	0	0	0.022
8/2/2021 9:12	0	0	0.022
8/2/2021 9:13	0	0	0.022
8/2/2021 9:14	0	0	0.021
8/2/2021 9:15	0	0	0.022
8/2/2021 9:16	0	0	0.022
8/2/2021 9:17	0	0	0.022
8/2/2021 9:18	0	0	0.022
8/2/2021 9:19	0	0	0.022
8/2/2021 9:20	0	0	0.023
8/2/2021 9:21	0	0	0.044
8/2/2021 9:22	0	0	0.023
8/2/2021 9:23	0	0	0.025
8/2/2021 9:24	0	0	0.025
8/2/2021 9:25	0	0	0.028
8/2/2021 9:26	0	0	0.025
8/2/2021 9:27	0	0	0.026
8/2/2021 9:28	0	0	0.027
8/2/2021 9:29	0	0	0.024
8/2/2021 9:30	0	0	0.026
8/2/2021 9:31	0	0	0.025
8/2/2021 9:32	0	0	0.024
8/2/2021 9:33	0	0	0.022
8/2/2021 9:34	0	0	0.025
8/2/2021 9:35	0	0	0.023
8/2/2021 9:36	0	0	0.024
8/2/2021 9:37	0	0	0.024
8/2/2021 9:38	0	0	0.032
8/2/2021 9:39	0	0	0.022

Record of Community Air Monitoring (Upwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 9:40	0	0	0.021
8/2/2021 9:41	0	0	0.021
8/2/2021 9:42	0	0	0.02
8/2/2021 9:43	0	0	0.019
8/2/2021 9:44	0	0	0.019
8/2/2021 9:45	0	0	0.019
8/2/2021 9:46	0	0	0.023
8/2/2021 9:47	0	0	0.021
8/2/2021 9:48	0	0	0.02
8/2/2021 9:49	0	0	0.02
8/2/2021 9:50	0	0	0.02
8/2/2021 9:51	0	0	0.02
8/2/2021 9:52	0	0	0.02
8/2/2021 9:53	0	0	0.021
8/2/2021 9:54	0	0	0.02
8/2/2021 9:55	0	0	0.02
8/2/2021 9:56	0	0	0.021
8/2/2021 9:57	0	0	0.021
8/2/2021 9:58	0	0	0.021
8/2/2021 9:59	0	0	0.021
8/2/2021 10:00	0	0	0.021
8/2/2021 10:01	0	0	0.021
8/2/2021 10:02	0	0	0.021
8/2/2021 10:03	0	0	0.021
8/2/2021 10:04	0	0	0.022
8/2/2021 10:05	0	0	0.022
8/2/2021 10:06	0	0	0.022
8/2/2021 10:07	0	0	0.022
8/2/2021 10:08	0	0	0.022
8/2/2021 10:09	0	0	0.022
8/2/2021 10:10	0	0	0.023
8/2/2021 10:11	0	0	0.023
8/2/2021 10:12	0	0	0.023
8/2/2021 10:13	0	0	0.023
8/2/2021 10:14	0	0	0.023

Record of Community Air Monitoring (Upwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 10:15	0	0	0.022
8/2/2021 10:16	0	0	0.023
8/2/2021 10:17	0	0	0.023
8/2/2021 10:18	0	0	0.023
8/2/2021 10:19	0	0	0.023
8/2/2021 10:20	0	0	0.023
8/2/2021 10:21	0	0	0.023
8/2/2021 10:22	0	0	0.023
8/2/2021 10:23	0	0	0.023
8/2/2021 10:24	0	0	0.023
8/2/2021 10:25	0	0	0.023
8/2/2021 10:26	0	0	0.023
8/2/2021 10:27	0	0	0.023
8/2/2021 10:28	0	0	0.023
8/2/2021 10:29	0	0	0.023
8/2/2021 10:30	0	0	0.024
8/2/2021 10:31	0	0	0.023
8/2/2021 10:32	0	0	0.024
8/2/2021 10:33	0	0	0.024
8/2/2021 10:34	0	0	0.024
8/2/2021 10:35	0	0	0.024
8/2/2021 10:36	0	0	0.024
8/2/2021 10:37	0	0	0.024
8/2/2021 10:38	0	0	0.024
8/2/2021 10:39	0	0	0.024
8/2/2021 10:40	0	0	0.024
8/2/2021 10:41	0	0	0.023
8/2/2021 10:42	0	0	0.024
8/2/2021 10:43	0	0	0.024
8/2/2021 10:44	0	0	0.024
8/2/2021 10:45	0	0	0.024
8/2/2021 10:46	0	0	0.024
8/2/2021 10:47	0	0	0.024
8/2/2021 10:48	0	0	0.024
8/2/2021 10:49	0	0	0.024

Record of Community Air Monitoring (Upwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 10:50	0	0	0.024
8/2/2021 10:51	0	0	0.023
8/2/2021 10:52	0	0	0.024
8/2/2021 10:53	0	0	0.024
8/2/2021 10:54	0	0	0.024
8/2/2021 10:55	0	0	0.024
8/2/2021 10:56	0	0	0.024
8/2/2021 10:57	0	0	0.024
8/2/2021 10:58	0	0	0.024
8/2/2021 10:59	0	0	0.023
8/2/2021 11:00	0	0	0.023
8/2/2021 11:01	0	0	0.023
8/2/2021 11:02	0	0	0.024
8/2/2021 11:03	0	0	0.023
8/2/2021 11:04	0	0	0.023
8/2/2021 11:05	0	0	0.023
8/2/2021 11:06	0	0	0.022
8/2/2021 11:07	0	0	0.023
8/2/2021 11:08	0	0	0.023
8/2/2021 11:09	0	0	0.023
8/2/2021 11:10	0	0	0.023
8/2/2021 11:11	0	0	0.023
8/2/2021 11:12	0	0	0.023
8/2/2021 11:13	0	0	0.023
8/2/2021 11:14	0	0	0.025
8/2/2021 11:15	0	0	0.023
8/2/2021 11:16	0	0	0.023
8/2/2021 11:17	0	0	0.023
8/2/2021 11:18	0	0	0.023
8/2/2021 11:19	0	0	0.023
8/2/2021 11:20	0	0	0.022
8/2/2021 11:21	0	0	0.023
8/2/2021 11:22	0	0	0.023
8/2/2021 11:23	0	0	0.022
8/2/2021 11:24	0	0	0.022

Record of Community Air Monitoring (Upwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 11:25	0	0	0.023
8/2/2021 11:26	0	0	0.023

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 9:24	0	0	0.021
3/4/2021 9:25	0	0	(a)
3/4/2021 9:26	0	0	(a)
3/4/2021 9:27	0	0	(a)
3/4/2021 9:28	0	0	(a)
3/4/2021 9:29	0	0	(a)
3/4/2021 9:30	0	0	(a)
3/4/2021 9:31	0	0	(a)
3/4/2021 9:32	0	0	(a)
3/4/2021 9:33	0	0	(a)
3/4/2021 9:34	0	0	(a)
3/4/2021 9:35	0	0	(a)
3/4/2021 9:36	0	0	(a)
3/4/2021 9:37	0	0	(a)
3/4/2021 9:38	0	0	(a)
3/4/2021 9:39	0	0	0.017
3/4/2021 9:40	0	0	(a)
3/4/2021 9:41	0	0	(a)
3/4/2021 9:42	0	0	(a)
3/4/2021 9:43	0	0	(a)
3/4/2021 9:44	0	0	(a)
3/4/2021 9:45	0	0	(a)
3/4/2021 9:46	0	0	(a)
3/4/2021 9:47	0	0	(a)
3/4/2021 9:48	0	0	(a)
3/4/2021 9:49	0	0	(a)
3/4/2021 9:50	0	0	(a)
3/4/2021 9:51	0	0	(a)
3/4/2021 9:52	0	0	(a)
3/4/2021 9:53	0	0	(a)
3/4/2021 9:54	0	0	0.016
3/4/2021 9:55	0	0	(a)
3/4/2021 9:56	0	0	(a)
3/4/2021 9:57	0	0	(a)
3/4/2021 9:58	0	0	(a)
3/4/2021 9:59	0	0	(a)
3/4/2021 10:00	0	0	(a)
3/4/2021 10:01	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 10:02	0	0	(a)
3/4/2021 10:03	0	0	(a)
3/4/2021 10:04	0	0	(a)
3/4/2021 10:05	0	0	(a)
3/4/2021 10:06	0	0	(a)
3/4/2021 10:07	0	0	(a)
3/4/2021 10:08	0	0	(a)
3/4/2021 10:09	0	0	0.013
3/4/2021 10:10	0	0	(a)
3/4/2021 10:11	0	0	(a)
3/4/2021 10:12	0	0	(a)
3/4/2021 10:13	0	0	(a)
3/4/2021 10:14	0	0	(a)
3/4/2021 10:15	0	0	(a)
3/4/2021 10:16	0	0	(a)
3/4/2021 10:17	0	0	(a)
3/4/2021 10:18	0	0	(a)
3/4/2021 10:19	0	0	(a)
3/4/2021 10:20	0	0	(a)
3/4/2021 10:21	0	0	(a)
3/4/2021 10:22	0	0	(a)
3/4/2021 10:23	0	0	(a)
3/4/2021 10:24	0	0	0.017
3/4/2021 10:25	0	0	(a)
3/4/2021 10:26	0	0	(a)
3/4/2021 10:27	0	0	(a)
3/4/2021 10:28	0	0	(a)
3/4/2021 10:29	0	0	(a)
3/4/2021 10:30	0	0	(a)
3/4/2021 10:31	0	0	(a)
3/4/2021 10:32	0	0	(a)
3/4/2021 10:33	0	0	(a)
3/4/2021 10:34	0	0	(a)
3/4/2021 10:35	0	0	(a)
3/4/2021 10:36	0	0	(a)
3/4/2021 10:37	0	0	(a)
3/4/2021 10:38	0	0	(a)
3/4/2021 10:39	0	0	0.016

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 10:40	0	0	(a)
3/4/2021 10:41	0	0	(a)
3/4/2021 10:42	0	0	(a)
3/4/2021 10:43	0	0	(a)
3/4/2021 10:44	0	0	(a)
3/4/2021 10:45	0	0	(a)
3/4/2021 10:46	0	0	(a)
3/4/2021 10:47	0	0	(a)
3/4/2021 10:48	0	0	(a)
3/4/2021 10:49	0	0	(a)
3/4/2021 10:50	0	0	(a)
3/4/2021 10:51	0	0	(a)
3/4/2021 10:52	0	0	(a)
3/4/2021 10:53	0	0	(a)
3/4/2021 10:54	0	0	0.014
3/4/2021 10:55	0	0	(a)
3/4/2021 10:56	0	0	(a)
3/4/2021 10:57	0	0	(a)
3/4/2021 10:58	0	0	(a)
3/4/2021 10:59	0	0	(a)
3/4/2021 11:00	0	0	(a)
3/4/2021 11:01	0	0	(a)
3/4/2021 11:02	0	0	(a)
3/4/2021 11:03	0	0	(a)
3/4/2021 11:04	0	0	(a)
3/4/2021 11:05	0	0	(a)
3/4/2021 11:06	0	0	(a)
3/4/2021 11:07	0	0	(a)
3/4/2021 11:08	0	0	(a)
3/4/2021 11:09	0	0	0.01
3/4/2021 11:10	0	0	(a)
3/4/2021 11:11	0	0	(a)
3/4/2021 11:12	0	0	(a)
3/4/2021 11:13	0	0	(a)
3/4/2021 11:14	0	0	(a)
3/4/2021 11:15	0	0	(a)
3/4/2021 11:16	0	0	(a)
3/4/2021 11:17	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 11:18	0	0	(a)
3/4/2021 11:19	0	0	(a)
3/4/2021 11:20	0	0	(a)
3/4/2021 11:21	0	0	(a)
3/4/2021 11:22	0	0	(a)
3/4/2021 11:23	0	0	(a)
3/4/2021 11:24	0	0	0.007
3/4/2021 11:25	0	0	(a)
3/4/2021 11:26	0	0	(a)
3/4/2021 11:27	0	0	(a)
3/4/2021 11:28	0	0	(a)
3/4/2021 11:29	0	0	(a)
3/4/2021 11:30	0	0	(a)
3/4/2021 11:31	0	0	(a)
3/4/2021 11:32	0	0	(a)
3/4/2021 11:33	0	0	(a)
3/4/2021 11:34	0	0	(a)
3/4/2021 11:35	0	0	(a)
3/4/2021 11:36	0	0	(a)
3/4/2021 11:37	0	0	(a)
3/4/2021 11:38	0	0	(a)
3/4/2021 11:39	0	0	0.01
3/4/2021 11:40	0	0	(a)
3/4/2021 11:41	0	0	(a)
3/4/2021 11:42	0	0	(a)
3/4/2021 11:43	0	0	(a)
3/4/2021 11:44	0	0	(a)
3/4/2021 11:45	0	0	(a)
3/4/2021 11:46	0	0	(a)
3/4/2021 11:47	0	0	(a)
3/4/2021 11:48	0	0	(a)
3/4/2021 11:49	0	0	(a)
3/4/2021 11:50	0	0	(a)
3/4/2021 11:51	0	0	(a)
3/4/2021 11:52	0	0	(a)
3/4/2021 11:53	0	0	(a)
3/4/2021 11:54	0	0	0.006
3/4/2021 11:55	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 11:56	0	0	(a)
3/4/2021 11:57	0	0	(a)
3/4/2021 11:58	0	0	(a)
3/4/2021 11:59	0	0	(a)
3/4/2021 12:00	0	0	(a)
3/4/2021 12:01	0	0	(a)
3/4/2021 12:02	0	0	(a)
3/4/2021 12:03	0	0	(a)
3/4/2021 12:04	0	0	(a)
3/4/2021 12:05	0	0	(a)
3/4/2021 12:06	0	0	(a)
3/4/2021 12:07	0	0	(a)
3/4/2021 12:08	0	0	(a)
3/4/2021 12:09	0	0	0.003
3/4/2021 12:10	0	0	(a)
3/4/2021 12:11	0	0	(a)
3/4/2021 12:12	0	0	(a)
3/4/2021 12:13	0	0	(a)
3/4/2021 12:14	0	0	(a)
3/4/2021 12:15	0	0	(a)
3/4/2021 12:16	0	0	(a)
3/4/2021 12:17	0	0	(a)
3/4/2021 12:18	0	0	(a)
3/4/2021 12:19	0	0	(a)
3/4/2021 12:20	0	0	(a)
3/4/2021 12:21	0	0	(a)
3/4/2021 12:22	0	0	(a)
3/4/2021 12:23	0	0	(a)
3/4/2021 12:24	0	0	0.003
3/4/2021 12:25	0	0	(a)
3/4/2021 12:26	0	0	(a)
3/4/2021 12:27	0	0	(a)
3/4/2021 12:28	0	0	(a)
3/4/2021 12:29	0	0	(a)
3/4/2021 12:30	0	0	(a)
3/4/2021 12:31	0	0	(a)
3/4/2021 12:32	0	0	(a)
3/4/2021 12:33	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 12:34	0	0	(a)
3/4/2021 12:35	0	0	(a)
3/4/2021 12:36	0	0	(a)
3/4/2021 12:37	0	0	(a)
3/4/2021 12:38	0	0	(a)
3/4/2021 12:39	0	0	0.003
3/4/2021 12:40	0	0	(a)
3/4/2021 12:41	0	0	(a)
3/4/2021 12:42	0	0	(a)
3/4/2021 12:43	0	0	(a)
3/4/2021 12:44	0	0	(a)
3/4/2021 12:45	0	0	(a)
3/4/2021 12:46	0	0	(a)
3/4/2021 12:47	0	0	(a)
3/4/2021 12:48	0	0	(a)
3/4/2021 12:49	0	0	(a)
3/4/2021 12:50	0	0	(a)
3/4/2021 12:51	0	0	(a)
3/4/2021 12:52	0	0	(a)
3/4/2021 12:53	0	0	(a)
3/4/2021 12:54	0	0	0.003
3/4/2021 12:55	0	0	(a)
3/4/2021 12:56	0	0	(a)
3/4/2021 12:57	0	0	(a)
3/4/2021 12:58	0	0	(a)
3/4/2021 12:59	0	0	(a)
3/4/2021 13:00	0	0	(a)
3/4/2021 13:01	0	0	(a)
3/4/2021 13:02	0	0	(a)
3/4/2021 13:03	0	0	(a)
3/4/2021 13:04	0	0	(a)
3/4/2021 13:05	0	0	(a)
3/4/2021 13:06	0	0	(a)
3/4/2021 13:07	0	0	(a)
3/4/2021 13:08	0	0	(a)
3/4/2021 13:09	0	0	0.004
3/4/2021 13:10	0	0	(a)
3/4/2021 13:11	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 13:12	0	0	(a)
3/4/2021 13:13	0	0	(a)
3/4/2021 13:14	0	0	(a)
3/4/2021 13:15	0	0	(a)
3/4/2021 13:16	0	0	(a)
3/4/2021 13:17	0	0	(a)
3/4/2021 13:18	0	0	(a)
3/4/2021 13:19	0	0	(a)
3/4/2021 13:20	0	0	(a)
3/4/2021 13:21	0	0	(a)
3/4/2021 13:22	0	0	(a)
3/4/2021 13:23	0	0	(a)
3/4/2021 13:24	0	0	0.004
3/4/2021 13:25	0	0	(a)
3/4/2021 13:26	0	0	(a)
3/4/2021 13:27	0	0	(a)
3/4/2021 13:28	0	0	(a)
3/4/2021 13:29	0	0	(a)
3/4/2021 13:30	0	0	(a)
3/4/2021 13:31	0	0	(a)
3/4/2021 13:32	0	0	(a)
3/4/2021 13:33	0	0	(a)
3/4/2021 13:34	0	0	(a)
3/4/2021 13:35	0	0	(a)
3/4/2021 13:36	0	0	(a)
3/4/2021 13:37	0	0	(a)
3/4/2021 13:38	0	0	(a)
3/4/2021 13:39	0	0	0.003
3/4/2021 13:40	0	0	(a)
3/4/2021 13:41	0	0	(a)
3/4/2021 13:42	0	0	(a)
3/4/2021 13:43	0	0	(a)
3/4/2021 13:44	0	0	(a)
3/4/2021 13:45	0	0	(a)
3/4/2021 13:46	0	0	(a)
3/4/2021 13:47	0	0	(a)
3/4/2021 13:48	0	0	(a)
3/4/2021 13:49	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 13:50	0	0	(a)
3/4/2021 13:51	0	0	(a)
3/4/2021 13:52	0	0	(a)
3/4/2021 13:53	0	0	(a)
3/4/2021 13:54	0	0	0.003
3/4/2021 13:55	0	0	(a)
3/4/2021 13:56	0	0	(a)
3/4/2021 13:57	0	0	(a)
3/4/2021 13:58	0	0	(a)
3/4/2021 13:59	0	0	(a)
3/4/2021 14:00	0	0	(a)
3/4/2021 14:01	0	0	(a)
3/4/2021 14:02	0	0	(a)
3/4/2021 14:03	0	0	(a)
3/4/2021 14:04	0	0	(a)
3/4/2021 14:05	0	0	(a)
3/4/2021 14:06	0	0	(a)
3/4/2021 14:07	0	0	(a)
3/4/2021 14:08	0	0	(a)
3/4/2021 14:09	0	0	0.004
3/4/2021 14:10	0	0	(a)
3/4/2021 14:11	0	0	(a)
3/4/2021 14:12	0	0	(a)
3/4/2021 14:13	0	0	(a)
3/4/2021 14:14	0	0	(a)
3/4/2021 14:15	0	0	(a)
3/4/2021 14:16	0	0	(a)
3/4/2021 14:17	0	0	(a)
3/4/2021 14:18	0	0	(a)
3/4/2021 14:19	0	0	(a)
3/4/2021 14:20	0	0	(a)
3/4/2021 14:21	0	0	(a)
3/4/2021 14:22	0	0	(a)
3/4/2021 14:23	0	0	(a)
3/4/2021 14:24	0	0	0.004
3/4/2021 14:25	0	0	(a)
3/4/2021 14:26	0	0	(a)
3/4/2021 14:27	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 14:28	0	0	(a)
3/4/2021 14:29	0	0	(a)
3/4/2021 14:30	0	0	(a)
3/4/2021 14:31	0	0	(a)
3/4/2021 14:32	0	0	(a)
3/4/2021 14:33	0	0	(a)
3/4/2021 14:34	0	0	(a)
3/4/2021 14:35	0	0	(a)
3/4/2021 14:36	0	0	(a)
3/4/2021 14:37	0	0	(a)
3/4/2021 14:38	0	0	(a)
3/4/2021 14:39	0	0	0.004
3/4/2021 14:40	0	0	(a)
3/4/2021 14:41	0	0	(a)
3/4/2021 14:42	0	0	(a)
3/4/2021 14:43	0	0	(a)
3/4/2021 14:44	0	0	(a)
3/4/2021 14:45	0	0	(a)
3/4/2021 14:46	0	0	(a)
3/4/2021 14:47	0	0	(a)
3/4/2021 14:48	0	0	(a)
3/4/2021 14:49	0	0	(a)
3/4/2021 14:50	0	0	(a)
3/4/2021 14:51	0	0	(a)
3/4/2021 14:52	0	0	(a)
3/4/2021 14:53	0	0	(a)
3/4/2021 14:54	0	0	0.004
3/4/2021 14:55	0	0	(a)
3/4/2021 14:56	0	0	(a)
3/4/2021 14:57	0	0	(a)
3/4/2021 14:58	0	0	(a)
3/4/2021 14:59	0	0	(a)
3/4/2021 15:00	0	0	(a)
3/4/2021 15:01	0	0	(a)
3/4/2021 15:02	0	0	(a)
3/4/2021 15:03	0	0	(a)
3/4/2021 15:04	0	0	(a)
3/4/2021 15:05	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 15:06	0	0	(a)
3/4/2021 15:07	0	0	(a)
3/4/2021 15:08	0	0	(a)
3/4/2021 15:09	0	0	0.005
3/4/2021 15:10	0	0	(a)
3/4/2021 15:11	0	0	(a)
3/4/2021 15:12	0	0	(a)
3/4/2021 15:13	0	0	(a)
3/4/2021 15:14	0	0	(a)
3/4/2021 15:15	0	0	(a)
3/4/2021 15:16	0	0	(a)
3/4/2021 15:17	0	0	(a)
3/4/2021 15:18	0	0	(a)
3/4/2021 15:19	0	0	(a)
3/4/2021 15:20	0	0	(a)
3/4/2021 15:21	0	0	(a)
3/4/2021 15:22	0	0	(a)
3/4/2021 15:23	0	0	(a)
3/4/2021 15:24	0	0	0.004
3/4/2021 15:25	0	0	(a)
3/4/2021 15:26	0	0	(a)
3/4/2021 15:27	0	0	(a)
3/4/2021 15:28	0	0	(a)
3/4/2021 15:29	0	0	(a)
3/4/2021 15:30	0	0	(a)
3/4/2021 15:31	0	0	(a)
3/4/2021 15:32	0	0	(a)
3/4/2021 15:33	0	0	(a)
3/4/2021 15:34	0	0	(a)
3/4/2021 15:35	0	0	(a)
3/4/2021 15:36	0	0	(a)
3/4/2021 15:37	0	0	(a)
3/4/2021 15:38	0	0	(a)
3/4/2021 15:39	0	0	0.004
3/4/2021 15:40	0	0	(a)
3/4/2021 15:41	0	0	(a)
3/4/2021 15:42	0	0	(a)
3/4/2021 15:43	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 15:44	0	0	(a)
3/4/2021 15:45	0	0	(a)
3/4/2021 15:46	0	0	(a)
3/4/2021 15:47	0	0	(a)
3/4/2021 15:48	0	0	(a)
3/4/2021 15:49	0	0	(a)
3/4/2021 15:50	0	0	(a)
3/4/2021 15:51	0	0	(a)
3/4/2021 15:52	0	0	(a)
3/4/2021 15:53	0	0	(a)
3/4/2021 15:54	0	0	0.004
3/4/2021 15:55	0	0	(a)
3/4/2021 15:56	0	0	(a)
3/4/2021 15:57	0	0	(a)
3/4/2021 15:58	0	0	(a)
3/4/2021 15:59	0	0	(a)
3/4/2021 16:00	0	0	(a)
3/4/2021 16:01	0	0	(a)
3/4/2021 16:02	0	0	(a)
3/4/2021 16:03	0	0	(a)
3/4/2021 16:04	0	0	(a)
3/4/2021 16:05	0	0	(a)
3/4/2021 16:06	0	0	(a)
3/4/2021 16:07	0	0	(a)
3/4/2021 16:08	0	0	(a)
3/4/2021 16:09	0	0	0.004
3/4/2021 16:10	0	0	(a)
3/4/2021 16:11	0	0	(a)
3/4/2021 16:12	0	0	(a)
3/4/2021 16:13	0	0	(a)
3/4/2021 16:14	0	0	(a)
3/4/2021 16:15	0	0	(a)
3/4/2021 16:16	0	0	(a)
3/4/2021 16:17	0	0	(a)
3/4/2021 16:18	0	0	(a)
3/4/2021 16:19	0	0	(a)
3/4/2021 16:20	0	0	(a)
3/4/2021 16:21	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 16:22	0	0	(a)
3/4/2021 16:23	0	0	(a)
3/4/2021 16:24	0	0	0.004
3/4/2021 16:25	0	0	(a)
3/4/2021 16:26	0	0	(a)
3/4/2021 16:27	0	0	(a)
3/4/2021 16:28	0	0	(a)
3/4/2021 16:29	0	0	(a)
3/4/2021 16:30	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 8:55	0	0	0.003
3/5/2021 8:56	0	0	0.004
3/5/2021 8:57	0	0	0.004
3/5/2021 8:58	0	0	0.003
3/5/2021 8:59	0	0	0.003
3/5/2021 9:00	0	0	0.003
3/5/2021 9:01	0	0	0.003
3/5/2021 9:02	0	0	0.003
3/5/2021 9:03	0	0	0.004
3/5/2021 9:04	0	0	0.003
3/5/2021 9:05	0	0	0.003
3/5/2021 9:06	0	0	0.003
3/5/2021 9:07	0	0	0.003
3/5/2021 9:08	0	0	0.004
3/5/2021 9:09	0	0	0.003
3/5/2021 9:10	0	0	0.003
3/5/2021 9:11	0	0	0.003
3/5/2021 9:12	0	0	0.003
3/5/2021 9:13	0	0	0.003
3/5/2021 9:14	0	0	0.007
3/5/2021 9:15	0	0	0.003
3/5/2021 9:16	0	0	0.003
3/5/2021 9:17	0	0	0.003
3/5/2021 9:18	0	0	0.003
3/5/2021 9:19	0	0	0.003
3/5/2021 9:20	0	0	0.004
3/5/2021 9:21	0	0	0.003
3/5/2021 9:22	0	0	0.003
3/5/2021 9:23	0	0	0.003
3/5/2021 9:24	0	0	0.003
3/5/2021 9:25	0	0	0.003
3/5/2021 9:26	0	0	0.003
3/5/2021 9:27	0	0	0.003
3/5/2021 9:28	0	0	0.003
3/5/2021 9:29	0	0	0.003
3/5/2021 9:30	0	0	0.003
3/5/2021 9:31	0	0	0.003
3/5/2021 9:32	0	0	0.003

Record of Community Air Monitoring (Downwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 9:33	0	0	0.003
3/5/2021 9:34	0	0	0.003
3/5/2021 9:35	0	0	0.003
3/5/2021 9:36	0	0	0.003
3/5/2021 9:37	0	0	0.003
3/5/2021 9:38	0	0	0.003
3/5/2021 9:39	0	0	0.003
3/5/2021 9:40	0	0	0.003
3/5/2021 9:41	0	0	0.003
3/5/2021 9:42	0	0	0.003
3/5/2021 9:43	0	0	0.003
3/5/2021 9:44	0	0	0.003
3/5/2021 9:45	0	0	0.003
3/5/2021 9:46	0	0	0.003
3/5/2021 9:47	0	0	0.003
3/5/2021 9:48	0	0	0.003
3/5/2021 9:49	0	0	0.003
3/5/2021 9:50	0	0	0.003
3/5/2021 9:51	0	0	0.003
3/5/2021 9:52	0	0	0.003
3/5/2021 9:53	0	0	0.003
3/5/2021 9:54	0	0	0.003
3/5/2021 9:55	0	0	0.003
3/5/2021 9:56	0	0	0.003
3/5/2021 9:57	0	0	0.003
3/5/2021 9:58	0	0	0.003
3/5/2021 9:59	0	0	0.003
3/5/2021 10:00	0	0	0.003
3/5/2021 10:01	0	0	0.003
3/5/2021 10:02	0	0	0.003
3/5/2021 10:03	0	0	0.003
3/5/2021 10:04	0	0	0.003
3/5/2021 10:05	0	0	0.003
3/5/2021 10:06	0	0	0.003
3/5/2021 10:07	0	0	0.003
3/5/2021 10:08	0	0	0.003
3/5/2021 10:09	0	0	0.003
3/5/2021 10:10	0	0	0.003

Record of Community Air Monitoring (Downwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 10:11	0	0	0.003
3/5/2021 10:12	0	0	0.003
3/5/2021 10:13	0	0	0.003
3/5/2021 10:14	0	0	0.003
3/5/2021 10:15	0	0	0.003
3/5/2021 10:16	0	0	0.003
3/5/2021 10:17	0	0	0.003
3/5/2021 10:18	0	0	0.003
3/5/2021 10:19	0	0	0.003
3/5/2021 10:20	0	0	0.003
3/5/2021 10:21	0	0	0.003
3/5/2021 10:22	0	0	0.003
3/5/2021 10:23	0	0	0.003
3/5/2021 10:24	0	0	0.003
3/5/2021 10:25	0	0	0.003
3/5/2021 10:26	0	0	0.003
3/5/2021 10:27	0	0	0.003
3/5/2021 10:28	0	0	0.003
3/5/2021 10:29	0	0	0.003
3/5/2021 10:30	0	0	0.003
3/5/2021 10:31	0	0	0.003
3/5/2021 10:32	0	0	0.003
3/5/2021 10:33	0	0	0.003
3/5/2021 10:34	0	0	0.003
3/5/2021 10:35	0	0	0.003
3/5/2021 10:36	0	0	0.003
3/5/2021 10:37	0	0	0.003
3/5/2021 10:38	0	0	0.003
3/5/2021 10:39	0	0	0.003
3/5/2021 10:40	0	0	0.003
3/5/2021 10:41	0	0	0.003
3/5/2021 10:42	0	0	0.003
3/5/2021 10:43	0	0	0.003
3/5/2021 10:44	0	0	0.003
3/5/2021 10:45	0	0	0.003
3/5/2021 10:46	0	0	0.003
3/5/2021 10:47	0	0	0.003
3/5/2021 10:48	0	0	0.003

Record of Community Air Monitoring (Downwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 10:49	0	0	0.003
3/5/2021 10:50	0	0	0.003
3/5/2021 10:51	0	0	0.003
3/5/2021 10:52	0	0	0.003
3/5/2021 10:53	0	0	0.003
3/5/2021 10:54	0	0	0.003
3/5/2021 10:55	0	0	0.003
3/5/2021 10:56	0	0	0.003
3/5/2021 10:57	0	0	0.003
3/5/2021 10:58	0	0	0.003
3/5/2021 10:59	0	0	0.003
3/5/2021 11:00	0	0	0.003
3/5/2021 11:01	0	0	0.003
3/5/2021 11:02	0	0	0.003
3/5/2021 11:03	0	0	0.003
3/5/2021 11:04	0	0	0.003
3/5/2021 11:05	0	0	0.003
3/5/2021 11:06	0	0	0.003
3/5/2021 11:07	0	0	0.003
3/5/2021 11:08	0	0	0.003
3/5/2021 11:09	0	0	0.003
3/5/2021 11:10	0	0	0.003
3/5/2021 11:11	0	0	0.003
3/5/2021 11:12	0	0	0.003
3/5/2021 11:13	0	0	0.003
3/5/2021 11:14	0	0	0.003
3/5/2021 11:15	0	0	0.003
3/5/2021 11:16	0	0	0.003
3/5/2021 11:17	0	0	0.003
3/5/2021 11:18	0	0	0.003
3/5/2021 11:19	0	0	0.003
3/5/2021 11:20	0	0	0.003
3/5/2021 11:21	0	0	0.003
3/5/2021 11:22	0	0	0.003
3/5/2021 11:23	0	0	0.003
3/5/2021 11:24	0	0	0.003
3/5/2021 11:25	0	0	0.003
3/5/2021 11:26	0	0	0.003

Record of Community Air Monitoring (Downwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 11:27	0	0	0.003
3/5/2021 11:28	0	0	0.003
3/5/2021 11:29	0	0	0.003
3/5/2021 11:30	0	0	0.003
3/5/2021 11:31	0	0	0.003
3/5/2021 11:32	0	0	0.003
3/5/2021 11:33	0	0	0.003
3/5/2021 11:34	0	0	0.003
3/5/2021 11:35	0	0	0.003
3/5/2021 11:36	0	0	0.003
3/5/2021 11:37	0	0	0.003
3/5/2021 11:38	0	0	0.003
3/5/2021 11:39	0	0	0.003
3/5/2021 11:40	0	0	0.003
3/5/2021 11:41	0	0	0.004
3/5/2021 11:42	0	0	0.003
3/5/2021 11:43	0	0	0.003
3/5/2021 11:44	0	0	0.003
3/5/2021 11:45	0	0	0.003
3/5/2021 11:46	0	0	0.003
3/5/2021 11:47	0	0	0.003
3/5/2021 11:48	0	0	0.003
3/5/2021 11:49	0	0	0.003
3/5/2021 11:50	0	0	0.004
3/5/2021 11:51	0	0	0.003
3/5/2021 11:52	0	0	0.003
3/5/2021 11:53	0	0	0.003
3/5/2021 11:54	0	0	0.003
3/5/2021 11:55	0	0	0.003
3/5/2021 11:56	0	0	0.003
3/5/2021 11:57	0	0	0.003
3/5/2021 11:58	0	0	0.003
3/5/2021 11:59	0	0	0.003
3/5/2021 12:00	0	0	0.004
3/5/2021 12:01	0	0	0.003
3/5/2021 12:02	0	0	0.003
3/5/2021 12:03	0	0	0.003
3/5/2021 12:04	0	0	0.003

Record of Community Air Monitoring (Downwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 12:05	0	0	0.003
3/5/2021 12:06	0	0	0.003
3/5/2021 12:07	0	0	0.003
3/5/2021 12:08	0	0	0.003
3/5/2021 12:09	0	0	0.003
3/5/2021 12:10	0	0	0.003
3/5/2021 12:11	0	0	0.003
3/5/2021 12:12	0	0	0.004
3/5/2021 12:13	0	0	0.003
3/5/2021 12:14	0	0	0.003
3/5/2021 12:15	0	0	0.003
3/5/2021 12:16	0	0	0.003
3/5/2021 12:17	0	0	0.003
3/5/2021 12:18	0	0	0.003
3/5/2021 12:19	0	0	0.003
3/5/2021 12:20	0	0	0.003
3/5/2021 12:21	0	0	0.003
3/5/2021 12:22	0	0	0.003
3/5/2021 12:23	0	0	0.003
3/5/2021 12:24	0	0	0.003
3/5/2021 12:25	0	0	0.003
3/5/2021 12:26	0	0	0.003
3/5/2021 12:27	0	0	0.003
3/5/2021 12:28	0	0	0.003
3/5/2021 12:29	0	0	0.003
3/5/2021 12:30	0	0	0.003
3/5/2021 12:31	0	0	0.003
3/5/2021 12:32	0	0	0.003
3/5/2021 12:33	0	0	0.003
3/5/2021 12:34	0	0	0.003
3/5/2021 12:35	0	0	0.003
3/5/2021 12:36	0	0	0.003
3/5/2021 12:37	0	0	0.003
3/5/2021 12:38	0	0	0.003
3/5/2021 12:39	0	0	0.003
3/5/2021 12:40	0	0	0.003
3/5/2021 12:41	0	0	0.003
3/5/2021 12:42	0	0	0.003

Record of Community Air Monitoring (Downwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 12:43	0	0	0.003
3/5/2021 12:44	0	0	0.003
3/5/2021 12:45	0	0	0.003
3/5/2021 12:46	0	0	0.003
3/5/2021 12:47	0	0	0.003
3/5/2021 12:48	0	0	0.003
3/5/2021 12:49	0	0	0.003
3/5/2021 12:50	0	0	0.003
3/5/2021 12:51	0	0	0.003
3/5/2021 12:52	0	0	0.003
3/5/2021 12:53	0	0	0.003
3/5/2021 12:54	0	0	0.003
3/5/2021 12:55	0	0	0.003
3/5/2021 12:56	0	0	0.003

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

Record of Community Air Monitoring (Downwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 8:49	0	0	0.001
3/8/2021 8:50	0	0	(a)
3/8/2021 8:51	0	0	(a)
3/8/2021 8:52	0	0	(a)
3/8/2021 8:53	0	0	(a)
3/8/2021 8:54	0	0	(a)
3/8/2021 8:55	0	0	(a)
3/8/2021 8:56	0	0	(a)
3/8/2021 8:57	0	0	(a)
3/8/2021 8:58	0	0	(a)
3/8/2021 8:59	0	0	(a)
3/8/2021 9:00	0	0	(a)
3/8/2021 9:01	0	0	(a)
3/8/2021 9:02	0	0	(a)
3/8/2021 9:03	0	0	(a)
3/8/2021 9:04	0	0	0.001
3/8/2021 9:05	0	0	(a)
3/8/2021 9:06	0	0	(a)
3/8/2021 9:07	0	0	(a)
3/8/2021 9:08	0	0	(a)
3/8/2021 9:09	0	0	(a)
3/8/2021 9:10	0	0	(a)
3/8/2021 9:11	0	0	(a)
3/8/2021 9:12	0	0	(a)
3/8/2021 9:13	0	0	(a)
3/8/2021 9:14	0	0	(a)
3/8/2021 9:15	0	0	(a)
3/8/2021 9:16	0	0	(a)
3/8/2021 9:17	0	0	(a)
3/8/2021 9:18	0	0	(a)
3/8/2021 9:19	0	0	0.001
3/8/2021 9:20	0	0	(a)
3/8/2021 9:21	0	0	(a)
3/8/2021 9:22	0	0	(a)
3/8/2021 9:23	0	0	(a)
3/8/2021 9:24	0	0	(a)
3/8/2021 9:25	0	0	(a)
3/8/2021 9:26	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 9:27	0	0	(a)
3/8/2021 9:28	0	0	(a)
3/8/2021 9:29	0	0	(a)
3/8/2021 9:30	0	0	(a)
3/8/2021 9:31	0	0	(a)
3/8/2021 9:32	0	0	(a)
3/8/2021 9:33	0	0	(a)
3/8/2021 9:34	0	0	0.001
3/8/2021 9:35	0	0	(a)
3/8/2021 9:36	0	0	(a)
3/8/2021 9:37	0	0	(a)
3/8/2021 9:38	0	0	(a)
3/8/2021 9:39	0	0	(a)
3/8/2021 9:40	0	0	(a)
3/8/2021 9:41	0	0	(a)
3/8/2021 9:42	0	0	(a)
3/8/2021 9:43	0	0	(a)
3/8/2021 9:44	0	0	(a)
3/8/2021 9:45	0	0	(a)
3/8/2021 9:46	0	0	(a)
3/8/2021 9:47	0	0	(a)
3/8/2021 9:48	0	0	(a)
3/8/2021 9:49	0	0	0.001
3/8/2021 9:50	0	0	(a)
3/8/2021 9:51	0	0	(a)
3/8/2021 9:52	0	0	(a)
3/8/2021 9:53	0	0	(a)
3/8/2021 9:54	0	0	(a)
3/8/2021 9:55	0	0	(a)
3/8/2021 9:56	0	0	(a)
3/8/2021 9:57	0	0	(a)
3/8/2021 9:58	0	0	(a)
3/8/2021 9:59	0	0	(a)
3/8/2021 10:00	0	0	(a)
3/8/2021 10:01	0	0	(a)
3/8/2021 10:02	0	0	(a)
3/8/2021 10:03	0	0	(a)
3/8/2021 10:04	0	0	0.001

Record of Community Air Monitoring (Downwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 10:05	0	0	(a)
3/8/2021 10:06	0	0	(a)
3/8/2021 10:07	0	0	(a)
3/8/2021 10:08	0	0	(a)
3/8/2021 10:09	0	0	(a)
3/8/2021 10:10	0	0	(a)
3/8/2021 10:11	0	0	(a)
3/8/2021 10:12	0	0	(a)
3/8/2021 10:13	0	0	(a)
3/8/2021 10:14	0	0	(a)
3/8/2021 10:15	0	0	(a)
3/8/2021 10:16	0	0	(a)
3/8/2021 10:17	0	0	(a)
3/8/2021 10:18	0	0	(a)
3/8/2021 10:19	0	0	0.002
3/8/2021 10:20	0	0	(a)
3/8/2021 10:21	0	0	(a)
3/8/2021 10:22	0	0	(a)
3/8/2021 10:23	0	0	(a)
3/8/2021 10:24	0	0	(a)
3/8/2021 10:25	0	0	(a)
3/8/2021 10:26	0	0	(a)
3/8/2021 10:27	0	0	(a)
3/8/2021 10:28	0	0	(a)
3/8/2021 10:29	0	0	(a)
3/8/2021 10:30	0	0	(a)
3/8/2021 10:31	0	0	(a)
3/8/2021 10:32	0	0	(a)
3/8/2021 10:33	0	0	(a)
3/8/2021 10:34	0	0	0.002
3/8/2021 10:35	0	0	(a)
3/8/2021 10:36	0	0	(a)
3/8/2021 10:37	0	0	(a)
3/8/2021 10:38	0	0	(a)
3/8/2021 10:39	0	0	(a)
3/8/2021 10:40	0	0	(a)
3/8/2021 10:41	0	0	(a)
3/8/2021 10:42	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 10:43	0	0	(a)
3/8/2021 10:44	0	0	(a)
3/8/2021 10:45	0	0	(a)
3/8/2021 10:46	0	0	(a)
3/8/2021 10:47	0	0	(a)
3/8/2021 10:48	0	0	(a)
3/8/2021 10:49	0	0	0.002
3/8/2021 10:50	0	0	(a)
3/8/2021 10:51	0	0	(a)
3/8/2021 10:52	0	0	(a)
3/8/2021 10:53	0	0	(a)
3/8/2021 10:54	0	0	(a)
3/8/2021 10:55	0	0	(a)
3/8/2021 10:56	0	0	(a)
3/8/2021 10:57	0	0	(a)
3/8/2021 10:58	0	0	(a)
3/8/2021 10:59	0	0	(a)
3/8/2021 11:00	0	0	(a)
3/8/2021 11:01	0	0	(a)
3/8/2021 11:02	0	0	(a)
3/8/2021 11:03	0	0	(a)
3/8/2021 11:04	0	0	0.002
3/8/2021 11:05	0	0	(a)
3/8/2021 11:06	0	0	(a)
3/8/2021 11:07	0	0	(a)
3/8/2021 11:08	0	0	(a)
3/8/2021 11:09	0	0	(a)
3/8/2021 11:10	0	0	(a)
3/8/2021 11:11	0	0	(a)
3/8/2021 11:12	0	0	(a)
3/8/2021 11:13	0	0	(a)
3/8/2021 11:14	0	0	(a)
3/8/2021 11:15	0	0	(a)
3/8/2021 11:16	0	0	(a)
3/8/2021 11:17	0	0	(a)
3/8/2021 11:18	0	0	(a)
3/8/2021 11:19	0	0	0.003
3/8/2021 11:20	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 11:21	0	0	(a)
3/8/2021 11:22	0	0	(a)
3/8/2021 11:23	0	0	(a)
3/8/2021 11:24	0	0	(a)
3/8/2021 11:25	0	0	(a)
3/8/2021 11:26	0	0	(a)
3/8/2021 11:27	0	0	(a)
3/8/2021 11:28	0	0	(a)
3/8/2021 11:29	0	0	(a)
3/8/2021 11:30	0	0	(a)
3/8/2021 11:31	0	0	(a)
3/8/2021 11:32	0	0	(a)
3/8/2021 11:33	0	0	(a)
3/8/2021 11:34	0	0	0.002
3/8/2021 11:35	0	0	(a)
3/8/2021 11:36	0	0	(a)
3/8/2021 11:37	0	0	(a)
3/8/2021 11:38	0	0	(a)
3/8/2021 11:39	0	0	(a)
3/8/2021 11:40	0	0	(a)
3/8/2021 11:41	0	0	(a)
3/8/2021 11:42	0	0	(a)
3/8/2021 11:43	0	0	(a)
3/8/2021 11:44	0	0	(a)
3/8/2021 11:45	0	0	(a)
3/8/2021 11:46	0	0	(a)
3/8/2021 11:47	0	0	(a)
3/8/2021 11:48	0	0	(a)
3/8/2021 11:49	0	0	0.003
3/8/2021 11:50	0	0	(a)
3/8/2021 11:51	0	0	(a)
3/8/2021 11:52	0	0	(a)
3/8/2021 11:53	0	0	(a)
3/8/2021 11:54	0	0	(a)
3/8/2021 11:55	0	0	(a)
3/8/2021 11:56	0	0	(a)
3/8/2021 11:57	0	0	(a)
3/8/2021 11:58	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 11:59	0	0	(a)
3/8/2021 12:00	0	0	(a)
3/8/2021 12:01	0	0	(a)
3/8/2021 12:02	0	0	(a)
3/8/2021 12:03	0	0	(a)
3/8/2021 12:04	0	0	0.003
3/8/2021 12:05	0	0	(a)
3/8/2021 12:06	0	0	(a)
3/8/2021 12:07	0	0	(a)
3/8/2021 12:08	0	0	(a)
3/8/2021 12:09	0	0	(a)
3/8/2021 12:10	0	0	(a)
3/8/2021 12:11	0	0	(a)
3/8/2021 12:12	0	0	(a)
3/8/2021 12:13	0	0	(a)
3/8/2021 12:14	0	0	(a)
3/8/2021 12:15	0	0	(a)
3/8/2021 12:16	0	0	(a)
3/8/2021 12:17	0	0	(a)
3/8/2021 12:18	0	0	(a)
3/8/2021 12:19	0	0	0.003
3/8/2021 12:20	0	0	(a)
3/8/2021 12:21	0	0	(a)
3/8/2021 12:22	0	0	(a)
3/8/2021 12:23	0	0	(a)
3/8/2021 12:24	0	0	(a)
3/8/2021 12:25	0	0	(a)
3/8/2021 12:26	0	0	(a)
3/8/2021 12:27	0	0	(a)
3/8/2021 12:28	0	0	(a)
3/8/2021 12:29	0	0	(a)
3/8/2021 12:30	0	0	(a)
3/8/2021 12:31	0	0	(a)
3/8/2021 12:32	0	0	(a)
3/8/2021 12:33	0	0	(a)
3/8/2021 12:34	0	0	0.003
3/8/2021 12:35	0	0	(a)
3/8/2021 12:36	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 12:37	0	0	(a)
3/8/2021 12:38	0	0	(a)
3/8/2021 12:39	0	0	(a)
3/8/2021 12:40	0	0	(a)
3/8/2021 12:41	0	0	(a)
3/8/2021 12:42	0	0	(a)
3/8/2021 12:43	0	0	(a)
3/8/2021 12:44	0	0	(a)
3/8/2021 12:45	0	0	(a)
3/8/2021 12:46	0	0	(a)
3/8/2021 12:47	0	0	(a)
3/8/2021 12:48	0	0	(a)
3/8/2021 12:49	0	0	0.004
3/8/2021 12:50	0	0	(a)
3/8/2021 12:51	0	0	(a)
3/8/2021 12:52	0	0	(a)
3/8/2021 12:53	0	0	(a)
3/8/2021 12:54	0	0	(a)
3/8/2021 12:55	0	0	(a)
3/8/2021 12:56	0	0	(a)
3/8/2021 12:57	0	0	(a)
3/8/2021 12:58	0	0	(a)
3/8/2021 12:59	0	0	(a)
3/8/2021 13:00	0	0	(a)
3/8/2021 13:01	0	0	(a)
3/8/2021 13:02	0	0	(a)
3/8/2021 13:03	0	0	(a)
3/8/2021 13:04	0	0	0.004
3/8/2021 13:05	0	0	(a)
3/8/2021 13:06	0	0	(a)
3/8/2021 13:07	0	0	(a)
3/8/2021 13:08	0	0	(a)
3/8/2021 13:09	0	0	(a)
3/8/2021 13:10	0	0	(a)
3/8/2021 13:11	0	0	(a)
3/8/2021 13:12	0	0	(a)
3/8/2021 13:13	0	0	(a)
3/8/2021 13:14	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 13:15	0	0	(a)
3/8/2021 13:16	0	0	(a)
3/8/2021 13:17	0	0	(a)
3/8/2021 13:18	0	0	(a)
3/8/2021 13:19	0	0	0.004
3/8/2021 13:20	0	0	(a)
3/8/2021 13:21	0	0	(a)
3/8/2021 13:22	0	0	(a)
3/8/2021 13:23	0	0	(a)
3/8/2021 13:24	0	0	(a)
3/8/2021 13:25	0	0	(a)
3/8/2021 13:26	0	0	(a)
3/8/2021 13:27	0	0	(a)
3/8/2021 13:28	0	0	(a)
3/8/2021 13:29	0	0	(a)
3/8/2021 13:30	0	0	(a)
3/8/2021 13:31	0	0	(a)
3/8/2021 13:32	0	0	(a)
3/8/2021 13:33	0	0	(a)
3/8/2021 13:34	0	0	0.004
3/8/2021 13:35	0	0	(a)
3/8/2021 13:36	0	0	(a)
3/8/2021 13:37	0	0	(a)
3/8/2021 13:38	0	0	(a)
3/8/2021 13:39	0	0	(a)
3/8/2021 13:40	0	0	(a)
3/8/2021 13:41	0	0	(a)
3/8/2021 13:42	0	0	(a)
3/8/2021 13:43	0	0	(a)
3/8/2021 13:44	0	0	(a)
3/8/2021 13:45	0	0	(a)
3/8/2021 13:46	0	0	(a)
3/8/2021 13:47	0	0	(a)
3/8/2021 13:48	0	0	(a)
3/8/2021 13:49	0	0	0.004
3/8/2021 13:50	0	0	(a)
3/8/2021 13:51	0	0	(a)
3/8/2021 13:52	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 13:53	0	0	(a)
3/8/2021 13:54	0	0	(a)
3/8/2021 13:55	0	0	(a)
3/8/2021 13:56	0	0	(a)
3/8/2021 13:57	0	0	(a)
3/8/2021 13:58	0	0	(a)
3/8/2021 13:59	0	0	(a)
3/8/2021 14:00	0	0	(a)
3/8/2021 14:01	0	0	(a)
3/8/2021 14:02	0	0	(a)
3/8/2021 14:03	0	0	(a)
3/8/2021 14:04	0	0	0.004
3/8/2021 14:05	0	0	(a)
3/8/2021 14:06	0	0	(a)
3/8/2021 14:07	0	0	(a)
3/8/2021 14:08	0	0	(a)
3/8/2021 14:09	0	0	(a)
3/8/2021 14:10	0	0	(a)
3/8/2021 14:11	0	0	(a)
3/8/2021 14:12	0	0	(a)
3/8/2021 14:13	0	0	(a)
3/8/2021 14:14	0	0	(a)
3/8/2021 14:15	0	0	(a)
3/8/2021 14:16	0	0	(a)
3/8/2021 14:17	0	0	(a)
3/8/2021 14:18	0	0	(a)
3/8/2021 14:19	0	0	0.005
3/8/2021 14:20	0	0	(a)
3/8/2021 14:21	0	0	(a)
3/8/2021 14:22	0	0	(a)
3/8/2021 14:23	0	0	(a)
3/8/2021 14:24	0	0	(a)
3/8/2021 14:25	0	0	(a)
3/8/2021 14:26	0	0	(a)
3/8/2021 14:27	0	0	(a)
3/8/2021 14:28	0	0	(a)
3/8/2021 14:29	0	0	(a)
3/8/2021 14:30	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 14:31	0	0	(a)
3/8/2021 14:32	0	0	(a)
3/8/2021 14:33	0	0	(a)
3/8/2021 14:34	0	0	0.005
3/8/2021 14:35	0	0	(a)
3/8/2021 14:36	0	0	(a)
3/8/2021 14:37	0	0	(a)
3/8/2021 14:38	0	0	(a)
3/8/2021 14:39	0	0	(a)
3/8/2021 14:40	0	0	(a)
3/8/2021 14:41	0	0	(a)
3/8/2021 14:42	0	0	(a)
3/8/2021 14:43	0	0	(a)
3/8/2021 14:44	0	0	(a)
3/8/2021 14:45	0	0	(a)
3/8/2021 14:46	0	0	(a)
3/8/2021 14:47	0	0	(a)
3/8/2021 14:48	0	0	(a)
3/8/2021 14:49	0	0	(a)
3/8/2021 14:50	0	0	(a)
3/8/2021 14:51	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/9/2021 8:28	0	0	(a)
3/9/2021 8:29	0	0	0.022
3/9/2021 8:30	0	0	(a)
3/9/2021 8:31	0	0	(a)
3/9/2021 8:32	0	0	(a)
3/9/2021 8:33	0	0	(a)
3/9/2021 8:34	0	0	(a)
3/9/2021 8:35	0	0	(a)
3/9/2021 8:36	0	0	(a)
3/9/2021 8:37	0	0	(a)
3/9/2021 8:38	0	0	(a)
3/9/2021 8:39	0	0	(a)
3/9/2021 8:40	0	0	(a)
3/9/2021 8:41	0	0	(a)
3/9/2021 8:42	0	0	(a)
3/9/2021 8:43	0	0	(a)
3/9/2021 8:44	0	0	0.021
3/9/2021 8:45	0	0	(a)
3/9/2021 8:46	0	0	(a)
3/9/2021 8:47	0	0	(a)
3/9/2021 8:48	0	0	(a)
3/9/2021 8:49	0	0	(a)
3/9/2021 8:50	0	0	(a)
3/9/2021 8:51	0	0	(a)
3/9/2021 8:52	0	0	(a)
3/9/2021 8:53	0	0	(a)
3/9/2021 8:54	0	0	(a)
3/9/2021 8:55	0	0	(a)
3/9/2021 8:56	0	0	(a)
3/9/2021 8:57	0	0	(a)
3/9/2021 8:58	0	0	(a)
3/9/2021 8:59	0	0	0.02
3/9/2021 9:00	0	0	(a)
3/9/2021 9:01	0	0	(a)
3/9/2021 9:02	0	0	(a)
3/9/2021 9:03	0	0	(a)
3/9/2021 9:04	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/9/2021 9:05	0	0	(a)
3/9/2021 9:06	0	0	(a)
3/9/2021 9:07	0	0	(a)
3/9/2021 9:08	0	0	(a)
3/9/2021 9:09	0	0	(a)
3/9/2021 9:10	0	0	(a)
3/9/2021 9:11	0	0	(a)
3/9/2021 9:12	0	0	(a)
3/9/2021 9:13	0	0	(a)
3/9/2021 9:14	0	0	0.02
3/9/2021 9:15	0	0	(a)
3/9/2021 9:16	0	0	(a)
3/9/2021 9:17	0	0	(a)
3/9/2021 9:18	0	0	(a)
3/9/2021 9:19	0	0	(a)
3/9/2021 9:20	0	0	(a)
3/9/2021 9:21	0	0	(a)
3/9/2021 9:22	0	0	(a)
3/9/2021 9:23	0	0	(a)
3/9/2021 9:24	0	0	(a)
3/9/2021 9:25	0	0	(a)
3/9/2021 9:26	0	0	(a)
3/9/2021 9:27	0	0	(a)
3/9/2021 9:28	0	0	(a)
3/9/2021 9:29	0	0	0.02
3/9/2021 9:30	0	0	(a)
3/9/2021 9:31	0	0	(a)
3/9/2021 9:32	0	0	(a)
3/9/2021 9:33	0	0	(a)
3/9/2021 9:34	0	0	(a)
3/9/2021 9:35	0	0	(a)
3/9/2021 9:36	0	0	(a)
3/9/2021 9:37	0	0	(a)
3/9/2021 9:38	0	0	(a)
3/9/2021 9:39	0	0	(a)
3/9/2021 9:40	0	0	(a)
3/9/2021 9:41	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/9/2021 9:42	0	0	(a)
3/9/2021 9:43	0	0	(a)
3/9/2021 9:44	0	0	0.021
3/9/2021 9:45	0	0	(a)
3/9/2021 9:46	0	0	(a)
3/9/2021 9:47	0	0	(a)
3/9/2021 9:48	0	0	(a)
3/9/2021 9:49	0	0	(a)
3/9/2021 9:50	0	0	(a)
3/9/2021 9:51	0	0	(a)
3/9/2021 9:52	0	0	(a)
3/9/2021 9:53	0	0	(a)
3/9/2021 9:54	0	0	(a)
3/9/2021 9:55	0	0	(a)
3/9/2021 9:56	0	0	(a)
3/9/2021 9:57	0	0	(a)
3/9/2021 9:58	0	0	(a)
3/9/2021 9:59	0	0	0.023
3/9/2021 10:00	0	0	(a)
3/9/2021 10:01	0	0	(a)
3/9/2021 10:02	0	0	(a)
3/9/2021 10:03	0	0	(a)
3/9/2021 10:04	0	0	(a)
3/9/2021 10:05	0	0	(a)
3/9/2021 10:06	0	0	(a)
3/9/2021 10:07	0	0	(a)
3/9/2021 10:08	0	0	(a)
3/9/2021 10:09	0	0	(a)
3/9/2021 10:10	0	0	(a)
3/9/2021 10:11	0	0	(a)
3/9/2021 10:12	0	0	(a)
3/9/2021 10:13	0	0	(a)
3/9/2021 10:14	0	0	0.024
3/9/2021 10:15	0	0	(a)
3/9/2021 10:16	0	0	(a)
3/9/2021 10:17	0	0	(a)
3/9/2021 10:18	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/9/2021 10:19	0	0	(a)
3/9/2021 10:20	0	0	(a)
3/9/2021 10:21	0	0	(a)
3/9/2021 10:22	0	0	(a)
3/9/2021 10:23	0	0	(a)
3/9/2021 10:24	0	0	(a)
3/9/2021 10:25	0	0	(a)
3/9/2021 10:26	0	0	(a)
3/9/2021 10:27	0	0	(a)
3/9/2021 10:28	0	0	(a)
3/9/2021 10:29	0	0	0.025
3/9/2021 10:30	0	0	(a)
3/9/2021 10:31	0	0	(a)
3/9/2021 10:32	0	0	(a)
3/9/2021 10:33	0	0	(a)
3/9/2021 10:34	0	0	(a)
3/9/2021 10:35	0	0	(a)
3/9/2021 10:36	0	0	(a)
3/9/2021 10:37	0	0	(a)
3/9/2021 10:38	0	0	(a)
3/9/2021 10:39	0	0	(a)
3/9/2021 10:40	0	0	(a)
3/9/2021 10:41	0	0	(a)
3/9/2021 10:42	0	0	(a)
3/9/2021 10:43	0	0	(a)
3/9/2021 10:44	0	0	0.027
3/9/2021 10:45	0	0	(a)
3/9/2021 10:46	0	0	(a)
3/9/2021 10:47	0	0	(a)
3/9/2021 10:48	0	0	(a)
3/9/2021 10:49	0	0	(a)
3/9/2021 10:50	0	0	(a)
3/9/2021 10:51	0	0	(a)
3/9/2021 10:52	0	0	(a)
3/9/2021 10:53	0	0	(a)
3/9/2021 10:54	0	0	(a)
3/9/2021 10:55	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/9/2021 10:56	0	0	(a)
3/9/2021 10:57	0	0	(a)
3/9/2021 10:58	0	0	(a)
3/9/2021 10:59	0	0	0.027
3/9/2021 11:00	0	0	(a)
3/9/2021 11:01	0	0	(a)
3/9/2021 11:02	0	0	(a)
3/9/2021 11:03	0	0	(a)
3/9/2021 11:04	0	0	(a)
3/9/2021 11:05	0	0	(a)
3/9/2021 11:06	0	0	(a)
3/9/2021 11:07	0	0	(a)
3/9/2021 11:08	0	0	(a)
3/9/2021 11:09	0	0	(a)
3/9/2021 11:10	0	0	(a)
3/9/2021 11:11	0	0	(a)
3/9/2021 11:12	0	0	(a)
3/9/2021 11:13	0	0	(a)
3/9/2021 11:14	0	0	0.027
3/9/2021 11:15	0	0	(a)
3/9/2021 11:16	0	0	(a)
3/9/2021 11:17	0	0	(a)
3/9/2021 11:18	0	0	(a)
3/9/2021 11:19	0	0	(a)
3/9/2021 11:20	0	0	(a)
3/9/2021 11:21	0	0	(a)
3/9/2021 11:22	0	0	(a)
3/9/2021 11:23	0	0	(a)
3/9/2021 11:24	0	0	(a)
3/9/2021 11:25	0	0	(a)
3/9/2021 11:26	0	0	(a)
3/9/2021 11:27	0	0	(a)
3/9/2021 11:28	0	0	(a)
3/9/2021 11:29	0	0	(a)
3/9/2021 11:30	0	0	(a)
3/9/2021 11:31	0	0	(a)
3/9/2021 11:32	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/9/2021 11:33	0	0	(a)
3/9/2021 11:34	0	0	(a)
3/9/2021 11:35	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15- minute intervals.

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 9:39	0	0	0.009
3/10/2021 9:40	0	0	(a)
3/10/2021 9:41	0	0	(a)
3/10/2021 9:42	0	0	(a)
3/10/2021 9:43	0	0	(a)
3/10/2021 9:44	0	0	(a)
3/10/2021 9:45	0	0	(a)
3/10/2021 9:46	0	0	(a)
3/10/2021 9:47	0	0	(a)
3/10/2021 9:48	0	0	(a)
3/10/2021 9:49	0	0	(a)
3/10/2021 9:50	0	0	(a)
3/10/2021 9:51	0	0	(a)
3/10/2021 9:52	0	0	(a)
3/10/2021 9:53	0	0	(a)
3/10/2021 9:54	0	0	0.009
3/10/2021 9:55	0	0	(a)
3/10/2021 9:56	0	0	(a)
3/10/2021 9:57	0	0	(a)
3/10/2021 9:58	0	0	(a)
3/10/2021 9:59	0	0	(a)
3/10/2021 10:00	0	0	(a)
3/10/2021 10:01	0.1	0	(a)
3/10/2021 10:02	0	0	(a)
3/10/2021 10:03	0	0	(a)
3/10/2021 10:04	0	0	(a)
3/10/2021 10:05	0	0	(a)
3/10/2021 10:06	0	0	(a)
3/10/2021 10:07	0	0	(a)
3/10/2021 10:08	0	0	(a)
3/10/2021 10:09	0	0	0.009
3/10/2021 10:10	0	0	(a)
3/10/2021 10:11	0	0	(a)
3/10/2021 10:12	0	0	(a)
3/10/2021 10:13	0	0	(a)
3/10/2021 10:14	0	0	(a)
3/10/2021 10:15	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 10:16	0	0	(a)
3/10/2021 10:17	0	0	(a)
3/10/2021 10:18	0	0	(a)
3/10/2021 10:19	0	0	(a)
3/10/2021 10:20	0	0	(a)
3/10/2021 10:21	0	0	(a)
3/10/2021 10:22	0	0	(a)
3/10/2021 10:23	0	0	(a)
3/10/2021 10:24	0	0	0.011
3/10/2021 10:25	0	0	(a)
3/10/2021 10:26	0	0	(a)
3/10/2021 10:27	0	0	(a)
3/10/2021 10:28	0	0	(a)
3/10/2021 10:29	0	0	(a)
3/10/2021 10:30	0	0	(a)
3/10/2021 10:31	0	0	(a)
3/10/2021 10:32	0	0	(a)
3/10/2021 10:33	0	0	(a)
3/10/2021 10:34	0	0	(a)
3/10/2021 10:35	0	0	(a)
3/10/2021 10:36	0	0	(a)
3/10/2021 10:37	0	0	(a)
3/10/2021 10:38	0	0	(a)
3/10/2021 10:39	0	0	0.012
3/10/2021 10:40	0	0	(a)
3/10/2021 10:41	0	0	(a)
3/10/2021 10:42	0	0	(a)
3/10/2021 10:43	0	0	(a)
3/10/2021 10:44	0	0	(a)
3/10/2021 10:45	0	0	(a)
3/10/2021 10:46	0	0	(a)
3/10/2021 10:47	0	0	(a)
3/10/2021 10:48	0	0	(a)
3/10/2021 10:49	0	0	(a)
3/10/2021 10:50	0	0	(a)
3/10/2021 10:51	0.1	0	(a)
3/10/2021 10:52	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 10:53	0	0	(a)
3/10/2021 10:54	0	0	0.012
3/10/2021 10:55	0	0	(a)
3/10/2021 10:56	0	0	(a)
3/10/2021 10:57	0	0	(a)
3/10/2021 10:58	0	0	(a)
3/10/2021 10:59	0	0	(a)
3/10/2021 11:00	0	0	(a)
3/10/2021 11:01	0	0	(a)
3/10/2021 11:02	0	0	(a)
3/10/2021 11:03	0	0	(a)
3/10/2021 11:04	0	0	(a)
3/10/2021 11:05	0	0	(a)
3/10/2021 11:06	0	0	(a)
3/10/2021 11:07	0	0	(a)
3/10/2021 11:08	0	0	(a)
3/10/2021 11:09	0	0	0.013
3/10/2021 11:10	0	0	(a)
3/10/2021 11:11	0	0	(a)
3/10/2021 11:12	0	0	(a)
3/10/2021 11:13	0	0	(a)
3/10/2021 11:14	0	0	(a)
3/10/2021 11:15	0	0	(a)
3/10/2021 11:16	0	0	(a)
3/10/2021 11:17	0	0	(a)
3/10/2021 11:18	0	0	(a)
3/10/2021 11:19	0	0	(a)
3/10/2021 11:20	0	0	(a)
3/10/2021 11:21	0	0	(a)
3/10/2021 11:22	0	0	(a)
3/10/2021 11:23	0	0	(a)
3/10/2021 11:24	0	0	0.013
3/10/2021 11:25	0	0	(a)
3/10/2021 11:26	0	0	(a)
3/10/2021 11:27	0	0	(a)
3/10/2021 11:28	0	0	(a)
3/10/2021 11:29	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 11:30	0	0	(a)
3/10/2021 11:31	0	0	(a)
3/10/2021 11:32	0	0	(a)
3/10/2021 11:33	0	0	(a)
3/10/2021 11:34	0	0	(a)
3/10/2021 11:35	0	0	(a)
3/10/2021 11:36	0	0	(a)
3/10/2021 11:37	0	0	(a)
3/10/2021 11:38	0	0	(a)
3/10/2021 11:39	0	0	0.012
3/10/2021 11:40	0	0	(a)
3/10/2021 11:41	0	0	(a)
3/10/2021 11:42	0	0	(a)
3/10/2021 11:43	0	0	(a)
3/10/2021 11:44	0	0	(a)
3/10/2021 11:45	0	0	(a)
3/10/2021 11:46	0	0	(a)
3/10/2021 11:47	0	0	(a)
3/10/2021 11:48	0	0	(a)
3/10/2021 11:49	0	0	(a)
3/10/2021 11:50	0	0	(a)
3/10/2021 11:51	0	0	(a)
3/10/2021 11:52	0.1	0	(a)
3/10/2021 11:53	0	0	(a)
3/10/2021 11:54	0	0	0.012
3/10/2021 11:55	0	0	(a)
3/10/2021 11:56	0	0	(a)
3/10/2021 11:57	0	0	(a)
3/10/2021 11:58	0	0	(a)
3/10/2021 11:59	0	0	(a)
3/10/2021 12:00	0	0	(a)
3/10/2021 12:01	0	0	(a)
3/10/2021 12:02	0	0	(a)
3/10/2021 12:03	0	0	(a)
3/10/2021 12:04	0	0	(a)
3/10/2021 12:05	0	0	(a)
3/10/2021 12:06	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 12:07	0	0	(a)
3/10/2021 12:08	0	0	(a)
3/10/2021 12:09	0	0	0.012
3/10/2021 12:10	0	0	(a)
3/10/2021 12:11	0	0	(a)
3/10/2021 12:12	0	0	(a)
3/10/2021 12:13	0	0	(a)
3/10/2021 12:14	0	0	(a)
3/10/2021 12:15	0	0	(a)
3/10/2021 12:16	0	0	(a)
3/10/2021 12:17	0	0	(a)
3/10/2021 12:18	0	0	(a)
3/10/2021 12:19	0	0	(a)
3/10/2021 12:20	0	0	(a)
3/10/2021 12:21	0	0	(a)
3/10/2021 12:22	0	0	(a)
3/10/2021 12:23	0	0	(a)
3/10/2021 12:24	0	0	0.011
3/10/2021 12:25	0	0	(a)
3/10/2021 12:26	0	0	(a)
3/10/2021 12:27	0	0	(a)
3/10/2021 12:28	0	0	(a)
3/10/2021 12:29	0	0	(a)
3/10/2021 12:30	0	0	(a)
3/10/2021 12:31	0	0	(a)
3/10/2021 12:32	0	0	(a)
3/10/2021 12:33	0	0	(a)
3/10/2021 12:34	0	0	(a)
3/10/2021 12:35	0	0	(a)
3/10/2021 12:36	0	0	(a)
3/10/2021 12:37	0	0	(a)
3/10/2021 12:38	0	0	(a)
3/10/2021 12:39	0	0	0.012
3/10/2021 12:40	0	0	(a)
3/10/2021 12:41	0.1	0	(a)
3/10/2021 12:42	0	0	(a)
3/10/2021 12:43	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 12:44	0	0	(a)
3/10/2021 12:45	0	0	(a)
3/10/2021 12:46	0	0	(a)
3/10/2021 12:47	0.1	0	(a)
3/10/2021 12:48	0	0	(a)
3/10/2021 12:49	0	0	(a)
3/10/2021 12:50	0	0	(a)
3/10/2021 12:51	0	0	(a)
3/10/2021 12:52	0	0	(a)
3/10/2021 12:53	0	0	(a)
3/10/2021 12:54	0	0	0.014
3/10/2021 12:55	0	0	(a)
3/10/2021 12:56	0	0	(a)
3/10/2021 12:57	0	0	(a)
3/10/2021 12:58	0	0	(a)
3/10/2021 12:59	0	0	(a)
3/10/2021 13:00	0	0	(a)
3/10/2021 13:01	0	0	(a)
3/10/2021 13:02	0	0	(a)
3/10/2021 13:03	0	0	(a)
3/10/2021 13:04	0	0	(a)
3/10/2021 13:05	0	0	(a)
3/10/2021 13:06	0	0	(a)
3/10/2021 13:07	0	0	(a)
3/10/2021 13:08	0	0	(a)
3/10/2021 13:09	0	0	0.013
3/10/2021 13:10	0.1	0	(a)
3/10/2021 13:11	0	0	(a)
3/10/2021 13:12	0	0	(a)
3/10/2021 13:13	0	0	(a)
3/10/2021 13:14	0	0	(a)
3/10/2021 13:15	0	0	(a)
3/10/2021 13:16	0	0	(a)
3/10/2021 13:17	0	0	(a)
3/10/2021 13:18	0	0	(a)
3/10/2021 13:19	0	0	(a)
3/10/2021 13:20	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 13:21	0	0	(a)
3/10/2021 13:22	0	0	(a)
3/10/2021 13:23	0	0	(a)
3/10/2021 13:24	0	0	0.016
3/10/2021 13:25	0	0	(a)
3/10/2021 13:26	0	0	(a)
3/10/2021 13:27	0	0	(a)
3/10/2021 13:28	0	0	(a)
3/10/2021 13:29	0	0	(a)
3/10/2021 13:30	0	0	(a)
3/10/2021 13:31	0	0	(a)
3/10/2021 13:32	0	0	(a)
3/10/2021 13:33	0	0	(a)
3/10/2021 13:34	0	0	(a)
3/10/2021 13:35	0	0	(a)
3/10/2021 13:36	0	0	(a)
3/10/2021 13:37	0	0	(a)
3/10/2021 13:38	0	0	(a)
3/10/2021 13:39	0	0	0.013
3/10/2021 13:40	0	0	(a)
3/10/2021 13:41	0	0	(a)
3/10/2021 13:42	0	0	(a)
3/10/2021 13:43	0	0	(a)
3/10/2021 13:44	0	0	(a)
3/10/2021 13:45	0	0	(a)
3/10/2021 13:46	0	0	(a)
3/10/2021 13:47	0	0	(a)
3/10/2021 13:48	0	0	(a)
3/10/2021 13:49	0	0	(a)
3/10/2021 13:50	0	0	(a)
3/10/2021 13:51	0	0	(a)
3/10/2021 13:52	0	0	(a)
3/10/2021 13:53	0	0	(a)
3/10/2021 13:54	0	0	0.012
3/10/2021 13:55	0	0	(a)
3/10/2021 13:56	0	0	(a)
3/10/2021 13:57	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 13:58	0	0	(a)
3/10/2021 13:59	0	0	(a)
3/10/2021 14:00	0	0	(a)
3/10/2021 14:01	0	0	(a)
3/10/2021 14:02	0	0	(a)
3/10/2021 14:03	0	0	(a)
3/10/2021 14:04	0	0	(a)
3/10/2021 14:05	0	0	(a)
3/10/2021 14:06	0	0	(a)
3/10/2021 14:07	0	0	(a)
3/10/2021 14:08	0	0	(a)
3/10/2021 14:09	0	0	0.012
3/10/2021 14:10	0	0	(a)
3/10/2021 14:11	0	0	(a)
3/10/2021 14:12	0	0	(a)
3/10/2021 14:13	0	0	(a)
3/10/2021 14:14	0	0	(a)
3/10/2021 14:15	0	0	(a)
3/10/2021 14:16	0	0	(a)
3/10/2021 14:17	0	0	(a)
3/10/2021 14:18	0	0	(a)
3/10/2021 14:19	0	0	(a)
3/10/2021 14:20	0	0	(a)
3/10/2021 14:21	0	0	(a)
3/10/2021 14:22	0	0	(a)
3/10/2021 14:23	0	0	(a)
3/10/2021 14:24	0	0	0.013
3/10/2021 14:25	0	0	(a)
3/10/2021 14:26	0	0	(a)
3/10/2021 14:27	0	0	(a)
3/10/2021 14:28	0	0	(a)
3/10/2021 14:29	0	0	(a)
3/10/2021 14:30	0	0	(a)
3/10/2021 14:31	0	0	(a)
3/10/2021 14:32	0	0	(a)
3/10/2021 14:33	0	0	(a)
3/10/2021 14:34	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 14:35	0	0	(a)
3/10/2021 14:36	0	0	(a)
3/10/2021 14:37	0	0	(a)
3/10/2021 14:38	0	0	(a)
3/10/2021 14:39	0	0	0.012
3/10/2021 14:40	0	0	(a)
3/10/2021 14:41	0	0	(a)
3/10/2021 14:42	0	0	(a)
3/10/2021 14:43	0	0	(a)
3/10/2021 14:44	0	0	(a)
3/10/2021 14:45	0	0	(a)
3/10/2021 14:46	0	0	(a)
3/10/2021 14:47	0	0	(a)
3/10/2021 14:48	0	0	(a)
3/10/2021 14:49	0	0	(a)
3/10/2021 14:50	0	0	(a)
3/10/2021 14:51	0	0	(a)
3/10/2021 14:52	0	0	(a)
3/10/2021 14:53	0	0	(a)
3/10/2021 14:54	0	0	0.012
3/10/2021 14:55	0	0	(a)
3/10/2021 14:56	0	0	(a)
3/10/2021 14:57	0	0	(a)
3/10/2021 14:58	0	0	(a)
3/10/2021 14:59	0	0	(a)
3/10/2021 15:00	0	0	(a)
3/10/2021 15:01	0	0	(a)
3/10/2021 15:02	0	0	(a)
3/10/2021 15:03	0	0	(a)
3/10/2021 15:04	0	0	(a)
3/10/2021 15:05	0	0	(a)
3/10/2021 15:06	0	0	(a)
3/10/2021 15:07	0	0	(a)
3/10/2021 15:08	0	0	(a)
3/10/2021 15:09	0	0	0.013
3/10/2021 15:10	0	0	(a)
3/10/2021 15:11	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 15:12	0	0	(a)
3/10/2021 15:13	0	0	(a)
3/10/2021 15:14	0	0	(a)
3/10/2021 15:15	0	0	(a)
3/10/2021 15:16	0.1	0	(a)
3/10/2021 15:17	0	0	(a)
3/10/2021 15:18	0	0	(a)
3/10/2021 15:19	0	0	(a)
3/10/2021 15:20	0	0	(a)
3/10/2021 15:21	0	0	(a)
3/10/2021 15:22	0	0	(a)
3/10/2021 15:23	0	0	(a)
3/10/2021 15:24	0	0	0.011
3/10/2021 15:25	0	0	(a)
3/10/2021 15:26	0	0	(a)
3/10/2021 15:27	0	0	(a)
3/10/2021 15:28	0	0	(a)
3/10/2021 15:29	0	0	(a)
3/10/2021 15:30	0	0	(a)
3/10/2021 15:31	0	0	(a)
3/10/2021 15:32	0	0	(a)
3/10/2021 15:33	0	0	(a)
3/10/2021 15:34	0	0	(a)
3/10/2021 15:35	0	0	(a)
3/10/2021 15:36	0	0	(a)
3/10/2021 15:37	0	0	(a)
3/10/2021 15:38	0	0	(a)
3/10/2021 15:39	0	0	(a)
3/10/2021 15:40	0	0	(a)
3/10/2021 15:41	0	0	(a)
3/10/2021 15:42	0	0	(a)
3/10/2021 15:43	0	0	(a)
3/10/2021 15:44	0	0	(a)
3/10/2021 15:45	0	0	(a)
3/10/2021 15:46	0	0	(a)
3/10/2021 15:47	0	0	(a)
3/10/2021 15:48	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/10/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/10/2021 15:49	0	0	(a)
3/10/2021 15:50	0	0	(a)
3/10/2021 15:51	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 8:38	0	0	0.054
3/11/2021 8:39	0	0	(a)
3/11/2021 8:40	0	0	(a)
3/11/2021 8:41	0	0	(a)
3/11/2021 8:42	0	0	(a)
3/11/2021 8:43	0	0	(a)
3/11/2021 8:44	0	0	(a)
3/11/2021 8:45	0	0	(a)
3/11/2021 8:46	0	0	(a)
3/11/2021 8:47	0	0	(a)
3/11/2021 8:48	0	0	(a)
3/11/2021 8:49	0	0	(a)
3/11/2021 8:50	0	0	(a)
3/11/2021 8:51	0	0	(a)
3/11/2021 8:52	0	0	(a)
3/11/2021 8:53	0	0	0.054
3/11/2021 8:54	0	0	(a)
3/11/2021 8:55	0	0	(a)
3/11/2021 8:56	0	0	(a)
3/11/2021 8:57	0	0	(a)
3/11/2021 8:58	0	0	(a)
3/11/2021 8:59	0	0	(a)
3/11/2021 9:00	0	0	(a)
3/11/2021 9:01	0	0	(a)
3/11/2021 9:02	0	0	(a)
3/11/2021 9:03	0	0	(a)
3/11/2021 9:04	0	0	(a)
3/11/2021 9:05	0	0	(a)
3/11/2021 9:06	0	0	(a)
3/11/2021 9:07	0	0	(a)
3/11/2021 9:08	0	0	0.053
3/11/2021 9:09	0	0	(a)
3/11/2021 9:10	0	0	(a)
3/11/2021 9:11	0	0	(a)
3/11/2021 9:12	0	0	(a)
3/11/2021 9:13	0	0	(a)
3/11/2021 9:14	0	0	(a)
3/11/2021 9:15	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 9:16	0	0	(a)
3/11/2021 9:17	0	0	(a)
3/11/2021 9:18	0	0	(a)
3/11/2021 9:19	0	0	(a)
3/11/2021 9:20	0	0	(a)
3/11/2021 9:21	0	0	(a)
3/11/2021 9:22	0	0	(a)
3/11/2021 9:23	0	0	0.054
3/11/2021 9:24	0	0	(a)
3/11/2021 9:25	0	0	(a)
3/11/2021 9:26	0	0	(a)
3/11/2021 9:27	0	0	(a)
3/11/2021 9:28	0	0	(a)
3/11/2021 9:29	0	0	(a)
3/11/2021 9:30	0	0	(a)
3/11/2021 9:31	0	0	(a)
3/11/2021 9:32	0	0	(a)
3/11/2021 9:33	0	0	(a)
3/11/2021 9:34	0	0	(a)
3/11/2021 9:35	0	0	(a)
3/11/2021 9:36	0	0	(a)
3/11/2021 9:37	0	0	(a)
3/11/2021 9:38	0	0	0.056
3/11/2021 9:39	0	0	(a)
3/11/2021 9:40	0	0	(a)
3/11/2021 9:41	0	0	(a)
3/11/2021 9:42	0	0	(a)
3/11/2021 9:43	0	0	(a)
3/11/2021 9:44	0	0	(a)
3/11/2021 9:45	0	0	(a)
3/11/2021 9:46	0	0	(a)
3/11/2021 9:47	0	0	(a)
3/11/2021 9:48	0	0	(a)
3/11/2021 9:49	0	0	(a)
3/11/2021 9:50	0	0	(a)
3/11/2021 9:51	0	0	(a)
3/11/2021 9:52	0	0	(a)
3/11/2021 9:53	0	0	0.056

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 9:54	0	0	(a)
3/11/2021 9:55	0	0	(a)
3/11/2021 9:56	0	0	(a)
3/11/2021 9:57	0	0	(a)
3/11/2021 9:58	0	0	(a)
3/11/2021 9:59	0	0	(a)
3/11/2021 10:00	0	0	(a)
3/11/2021 10:01	0	0	(a)
3/11/2021 10:02	0	0	(a)
3/11/2021 10:03	0	0	(a)
3/11/2021 10:04	0	0	(a)
3/11/2021 10:05	0	0	(a)
3/11/2021 10:06	0	0	(a)
3/11/2021 10:07	0	0	(a)
3/11/2021 10:08	0	0	0.055
3/11/2021 10:09	0	0	(a)
3/11/2021 10:10	0	0	(a)
3/11/2021 10:11	0	0	(a)
3/11/2021 10:12	0	0	(a)
3/11/2021 10:13	0	0	(a)
3/11/2021 10:14	0	0	(a)
3/11/2021 10:15	0	0	(a)
3/11/2021 10:16	0	0	(a)
3/11/2021 10:17	0	0	(a)
3/11/2021 10:18	0	0	(a)
3/11/2021 10:19	0	0	(a)
3/11/2021 10:20	0	0	(a)
3/11/2021 10:21	0	0	(a)
3/11/2021 10:22	0	0	(a)
3/11/2021 10:23	0	0	0.056
3/11/2021 10:24	0	0	(a)
3/11/2021 10:25	0	0	(a)
3/11/2021 10:26	0	0	(a)
3/11/2021 10:27	0	0	(a)
3/11/2021 10:28	0	0	(a)
3/11/2021 10:29	0	0	(a)
3/11/2021 10:30	0	0	(a)
3/11/2021 10:31	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 10:32	0	0	(a)
3/11/2021 10:33	0	0	(a)
3/11/2021 10:34	0	0	(a)
3/11/2021 10:35	0	0	(a)
3/11/2021 10:36	0	0	(a)
3/11/2021 10:37	0	0	(a)
3/11/2021 10:38	0	0	0.058
3/11/2021 10:39	0	0	(a)
3/11/2021 10:40	0	0	(a)
3/11/2021 10:41	0	0	(a)
3/11/2021 10:42	0	0	(a)
3/11/2021 10:43	0	0	(a)
3/11/2021 10:44	0	0	(a)
3/11/2021 10:45	0	0	(a)
3/11/2021 10:46	0	0	(a)
3/11/2021 10:47	0	0	(a)
3/11/2021 10:48	0	0	(a)
3/11/2021 10:49	0	0	(a)
3/11/2021 10:50	0	0	(a)
3/11/2021 10:51	0	0	(a)
3/11/2021 10:52	0	0	(a)
3/11/2021 10:53	0	0	0.058
3/11/2021 10:54	0	0	(a)
3/11/2021 10:55	0	0	(a)
3/11/2021 10:56	0	0	(a)
3/11/2021 10:57	0	0	(a)
3/11/2021 10:58	0	0	(a)
3/11/2021 10:59	0	0	(a)
3/11/2021 11:00	0	0	(a)
3/11/2021 11:01	0	0	(a)
3/11/2021 11:02	0	0	(a)
3/11/2021 11:03	0	0	(a)
3/11/2021 11:04	0	0	(a)
3/11/2021 11:05	0	0	(a)
3/11/2021 11:06	0	0	(a)
3/11/2021 11:07	0	0	(a)
3/11/2021 11:08	0	0	0.06
3/11/2021 11:09	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 11:10	0	0	(a)
3/11/2021 11:11	0	0	(a)
3/11/2021 11:12	0	0	(a)
3/11/2021 11:13	0	0	(a)
3/11/2021 11:14	0	0	(a)
3/11/2021 11:15	0	0	(a)
3/11/2021 11:16	0	0	(a)
3/11/2021 11:17	0	0	(a)
3/11/2021 11:18	0	0	(a)
3/11/2021 11:19	0	0	(a)
3/11/2021 11:20	0	0	(a)
3/11/2021 11:21	0	0	(a)
3/11/2021 11:22	0	0	(a)
3/11/2021 11:23	0	0	0.06
3/11/2021 11:24	0	0	(a)
3/11/2021 11:25	0	0	(a)
3/11/2021 11:26	0	0	(a)
3/11/2021 11:27	0	0	(a)
3/11/2021 11:28	0	0	(a)
3/11/2021 11:29	0	0	(a)
3/11/2021 11:30	0	0	(a)
3/11/2021 11:31	0	0	(a)
3/11/2021 11:32	0	0	(a)
3/11/2021 11:33	0	0	(a)
3/11/2021 11:34	0	0	(a)
3/11/2021 11:35	0	0	(a)
3/11/2021 11:36	0	0	(a)
3/11/2021 11:37	0	0	(a)
3/11/2021 11:38	0	0	0.06
3/11/2021 11:39	0	0	(a)
3/11/2021 11:40	0	0	(a)
3/11/2021 11:41	0	0	(a)
3/11/2021 11:42	0	0	(a)
3/11/2021 11:43	0	0	(a)
3/11/2021 11:44	0	0	(a)
3/11/2021 11:45	0	0	(a)
3/11/2021 11:46	0	0	(a)
3/11/2021 11:47	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 11:48	0	0	(a)
3/11/2021 11:49	0	0	(a)
3/11/2021 11:50	0	0	(a)
3/11/2021 11:51	0	0	(a)
3/11/2021 11:52	0	0	(a)
3/11/2021 11:53	0	0	0.061
3/11/2021 11:54	0	0	(a)
3/11/2021 11:55	0	0	(a)
3/11/2021 11:56	0	0	(a)
3/11/2021 11:57	0	0	(a)
3/11/2021 11:58	0	0	(a)
3/11/2021 11:59	0	0	(a)
3/11/2021 12:00	0	0	(a)
3/11/2021 12:01	0	0	(a)
3/11/2021 12:02	0	0	(a)
3/11/2021 12:03	0	0	(a)
3/11/2021 12:04	0	0	(a)
3/11/2021 12:05	0	0	(a)
3/11/2021 12:06	0	0	(a)
3/11/2021 12:07	0	0	(a)
3/11/2021 12:08	0	0	0.061
3/11/2021 12:09	0	0	(a)
3/11/2021 12:10	0	0	(a)
3/11/2021 12:11	0	0	(a)
3/11/2021 12:12	0	0	(a)
3/11/2021 12:13	0	0	(a)
3/11/2021 12:14	0	0	(a)
3/11/2021 12:15	0	0	(a)
3/11/2021 12:16	0	0	(a)
3/11/2021 12:17	0	0	(a)
3/11/2021 12:18	0	0	(a)
3/11/2021 12:19	0	0	(a)
3/11/2021 12:20	0	0	(a)
3/11/2021 12:21	0	0	(a)
3/11/2021 12:22	0	0	(a)
3/11/2021 12:23	0	0	0.06
3/11/2021 12:24	0	0	(a)
3/11/2021 12:25	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 12:26	0	0	(a)
3/11/2021 12:27	0	0	(a)
3/11/2021 12:28	0	0	(a)
3/11/2021 12:29	0	0	(a)
3/11/2021 12:30	0	0	(a)
3/11/2021 12:31	0	0	(a)
3/11/2021 12:32	0	0	(a)
3/11/2021 12:33	0	0	(a)
3/11/2021 12:34	0	0	(a)
3/11/2021 12:35	0	0	(a)
3/11/2021 12:36	0	0	(a)
3/11/2021 12:37	0	0	(a)
3/11/2021 12:38	0	0	0.061
3/11/2021 12:39	0	0	(a)
3/11/2021 12:40	0	0	(a)
3/11/2021 12:41	0	0	(a)
3/11/2021 12:42	0	0	(a)
3/11/2021 12:43	0	0	(a)
3/11/2021 12:44	0	0	(a)
3/11/2021 12:45	0	0	(a)
3/11/2021 12:46	0	0	(a)
3/11/2021 12:47	0	0	(a)
3/11/2021 12:48	0	0	(a)
3/11/2021 12:49	0	0	(a)
3/11/2021 12:50	0	0	(a)
3/11/2021 12:51	0	0	(a)
3/11/2021 12:52	0	0	(a)
3/11/2021 12:53	0	0	0.061
3/11/2021 12:54	0	0	(a)
3/11/2021 12:55	0	0	(a)
3/11/2021 12:56	0	0	(a)
3/11/2021 12:57	0	0	(a)
3/11/2021 12:58	0	0	(a)
3/11/2021 12:59	0	0	(a)
3/11/2021 13:00	0	0	(a)
3/11/2021 13:01	0	0	(a)
3/11/2021 13:02	0	0	(a)
3/11/2021 13:03	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 13:04	0	0	(a)
3/11/2021 13:05	0	0	(a)
3/11/2021 13:06	0	0	(a)
3/11/2021 13:07	0	0	(a)
3/11/2021 13:08	0	0	0.06
3/11/2021 13:09	0	0	(a)
3/11/2021 13:10	0	0	(a)
3/11/2021 13:11	0	0	(a)
3/11/2021 13:12	0	0	(a)
3/11/2021 13:13	0	0	(a)
3/11/2021 13:14	0	0	(a)
3/11/2021 13:15	0	0	(a)
3/11/2021 13:16	0	0	(a)
3/11/2021 13:17	0	0	(a)
3/11/2021 13:18	0	0	(a)
3/11/2021 13:19	0	0	(a)
3/11/2021 13:20	0	0	(a)
3/11/2021 13:21	0	0	(a)
3/11/2021 13:22	0	0	(a)
3/11/2021 13:23	0	0	0.06
3/11/2021 13:24	0	0	(a)
3/11/2021 13:25	0	0	(a)
3/11/2021 13:26	0	0	(a)
3/11/2021 13:27	0	0	(a)
3/11/2021 13:28	0	0	(a)
3/11/2021 13:29	0	0	(a)
3/11/2021 13:30	0	0	(a)
3/11/2021 13:31	0	0	(a)
3/11/2021 13:32	0	0	(a)
3/11/2021 13:33	0	0	(a)
3/11/2021 13:34	0	0	(a)
3/11/2021 13:35	0	0	(a)
3/11/2021 13:36	0	0	(a)
3/11/2021 13:37	0	0	(a)
3/11/2021 13:38	0	0	0.058
3/11/2021 13:39	0	0	(a)
3/11/2021 13:40	0	0	(a)
3/11/2021 13:41	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 13:42	0	0	(a)
3/11/2021 13:43	0	0	(a)
3/11/2021 13:44	0	0	(a)
3/11/2021 13:45	0	0	(a)
3/11/2021 13:46	0	0	(a)
3/11/2021 13:47	0	0	(a)
3/11/2021 13:48	0	0	(a)
3/11/2021 13:49	0	0	(a)
3/11/2021 13:50	0	0	(a)
3/11/2021 13:51	0	0	(a)
3/11/2021 13:52	0	0	(a)
3/11/2021 13:53	0	0	0.057
3/11/2021 13:54	0	0	(a)
3/11/2021 13:55	0	0	(a)
3/11/2021 13:56	0	0	(a)
3/11/2021 13:57	0	0	(a)
3/11/2021 13:58	0	0	(a)
3/11/2021 13:59	0	0	(a)
3/11/2021 14:00	0	0	(a)
3/11/2021 14:01	0	0	(a)
3/11/2021 14:02	0	0	(a)
3/11/2021 14:03	0	0	(a)
3/11/2021 14:04	0	0	(a)
3/11/2021 14:05	0	0	(a)
3/11/2021 14:06	0	0	(a)
3/11/2021 14:07	0	0	(a)
3/11/2021 14:08	0	0	0.058
3/11/2021 14:09	0	0	(a)
3/11/2021 14:10	0	0	(a)
3/11/2021 14:11	0	0	(a)
3/11/2021 14:12	0	0	(a)
3/11/2021 14:13	0	0	(a)
3/11/2021 14:14	0	0	(a)
3/11/2021 14:15	0	0	(a)
3/11/2021 14:16	0	0	(a)
3/11/2021 14:17	0	0	(a)
3/11/2021 14:18	0	0	(a)
3/11/2021 14:19	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 14:20	0	0	(a)
3/11/2021 14:21	0	0	(a)
3/11/2021 14:22	0	0	(a)
3/11/2021 14:23	0	0	0.056
3/11/2021 14:24	0	0	(a)
3/11/2021 14:25	0	0	(a)
3/11/2021 14:26	0	0	(a)
3/11/2021 14:27	0	0	(a)
3/11/2021 14:28	0	0	(a)
3/11/2021 14:29	0	0	(a)
3/11/2021 14:30	0	0	(a)
3/11/2021 14:31	0	0	(a)
3/11/2021 14:32	0	0	(a)
3/11/2021 14:33	0	0	(a)
3/11/2021 14:34	0	0	(a)
3/11/2021 14:35	0	0	(a)
3/11/2021 14:36	0	0	(a)
3/11/2021 14:37	0	0	(a)
3/11/2021 14:38	0	0	0.057
3/11/2021 14:39	0	0	(a)
3/11/2021 14:40	0	0	(a)
3/11/2021 14:41	0	0	(a)
3/11/2021 14:42	0	0	(a)
3/11/2021 14:43	0	0	(a)
3/11/2021 14:44	0	0	(a)
3/11/2021 14:45	0	0	(a)
3/11/2021 14:46	0	0	(a)
3/11/2021 14:47	0	0	(a)
3/11/2021 14:48	0	0	(a)
3/11/2021 14:49	0	0	(a)
3/11/2021 14:50	0	0	(a)
3/11/2021 14:51	0	0	(a)
3/11/2021 14:52	0	0	(a)
3/11/2021 14:53	0	0	0.055
3/11/2021 14:54	0	0	(a)
3/11/2021 14:55	0	0	(a)
3/11/2021 14:56	0	0	(a)
3/11/2021 14:57	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/11/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 14:58	0	0	(a)
3/11/2021 14:59	0	0	(a)
3/11/2021 15:00	0	0	(a)
3/11/2021 15:01	0	0	(a)
3/11/2021 15:02	0	0	(a)
3/11/2021 15:03	0	0	(a)
3/11/2021 15:04	0	0	(a)
3/11/2021 15:05	0	0	(a)
3/11/2021 15:06	0	0	(a)
3/11/2021 15:07	0	0	(a)
3/11/2021 15:08	0	0	0.053
3/11/2021 15:09	0	0	(a)
3/11/2021 15:10	0	0	(a)
3/11/2021 15:11	0	0	(a)
3/11/2021 15:12	0	0	(a)
3/11/2021 15:13	0	0	(a)
3/11/2021 15:14	0	0	(a)
3/11/2021 15:15	0	0	(a)
3/11/2021 15:16	0	0	(a)
3/11/2021 15:17	0	0	(a)
3/11/2021 15:18	0	0	(a)
3/11/2021 15:19	0	0	(a)
3/11/2021 15:20	0	0	(a)
3/11/2021 15:21	0	0	(a)
3/11/2021 15:22	0	0	(a)
3/11/2021 15:23	0	0	(a)
3/11/2021 15:24	0	0	(a)
3/11/2021 15:25	0	0	(a)
3/11/2021 15:26	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 03/12/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/12/2021 8:47	0	0	0.011
3/12/2021 8:48	0	0	(a)
3/12/2021 8:49	0	0	(a)
3/12/2021 8:50	0	0	(a)
3/12/2021 8:51	0	0	(a)
3/12/2021 8:52	0	0	(a)
3/12/2021 8:53	0	0	(a)
3/12/2021 8:54	0	0	(a)
3/12/2021 8:55	0	0	(a)
3/12/2021 8:56	0	0	(a)
3/12/2021 8:57	0	0	(a)
3/12/2021 8:58	0	0	(a)
3/12/2021 8:59	0	0	(a)
3/12/2021 9:00	0	0	(a)
3/12/2021 9:01	0	0	(a)
3/12/2021 9:02	0	0	0.007
3/12/2021 9:03	0	0	(a)
3/12/2021 9:04	0	0	(a)
3/12/2021 9:05	0	0	(a)
3/12/2021 9:06	0	0	(a)
3/12/2021 9:07	0	0	(a)
3/12/2021 9:08	0	0	(a)
3/12/2021 9:09	0	0	(a)
3/12/2021 9:10	0	0	(a)
3/12/2021 9:11	0	0	(a)
3/12/2021 9:12	0	0	(a)
3/12/2021 9:13	0	0	(a)
3/12/2021 9:14	0	0	(a)
3/12/2021 9:15	0	0	(a)
3/12/2021 9:16	0	0	(a)
3/12/2021 9:17	0	0	0.005
3/12/2021 9:18	0	0	(a)
3/12/2021 9:19	0	0	(a)
3/12/2021 9:20	0	0	(a)
3/12/2021 9:21	0	0	(a)
3/12/2021 9:22	0	0	(a)
3/12/2021 9:23	0	0	(a)
3/12/2021 9:24	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/12/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/12/2021 9:25	0	0	(a)
3/12/2021 9:26	0	0	(a)
3/12/2021 9:27	0	0	(a)
3/12/2021 9:28	0	0	(a)
3/12/2021 9:29	0	0	(a)
3/12/2021 9:30	0	0	(a)
3/12/2021 9:31	0	0	(a)
3/12/2021 9:32	0	0	0.005
3/12/2021 9:33	0	0	(a)
3/12/2021 9:34	0	0	(a)
3/12/2021 9:35	0	0	(a)
3/12/2021 9:36	0	0	(a)
3/12/2021 9:37	0	0	(a)
3/12/2021 9:38	0	0	(a)
3/12/2021 9:39	0	0	(a)
3/12/2021 9:40	0	0	(a)
3/12/2021 9:41	0	0	(a)
3/12/2021 9:42	0	0	(a)
3/12/2021 9:43	0	0	(a)
3/12/2021 9:44	0	0	(a)
3/12/2021 9:45	0	0	(a)
3/12/2021 9:46	0	0	(a)
3/12/2021 9:47	0	0	0.006
3/12/2021 9:48	0	0	(a)
3/12/2021 9:49	0	0	(a)
3/12/2021 9:50	0	0	(a)
3/12/2021 9:51	0	0	(a)
3/12/2021 9:52	0	0	(a)
3/12/2021 9:53	0	0	(a)
3/12/2021 9:54	0	0	(a)
3/12/2021 9:55	0	0	(a)
3/12/2021 9:56	0	0	(a)
3/12/2021 9:57	0	0	(a)
3/12/2021 9:58	0	0	(a)
3/12/2021 9:59	0	0	(a)
3/12/2021 10:00	0	0	(a)
3/12/2021 10:01	0	0	(a)
3/12/2021 10:02	0	0	0.006

Record of Community Air Monitoring (Downwind Data) - 03/12/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/12/2021 10:03	0	0	(a)
3/12/2021 10:04	0	0	(a)
3/12/2021 10:05	0	0	(a)
3/12/2021 10:06	0	0	(a)
3/12/2021 10:07	0	0	(a)
3/12/2021 10:08	0	0	(a)
3/12/2021 10:09	0	0	(a)
3/12/2021 10:10	0	0	(a)
3/12/2021 10:11	0	0	(a)
3/12/2021 10:12	0	0	(a)
3/12/2021 10:13	0	0	(a)
3/12/2021 10:14	0	0	(a)
3/12/2021 10:15	0	0	(a)
3/12/2021 10:16	0	0	(a)
3/12/2021 10:17	0	0	0.006
3/12/2021 10:18	0	0	(a)
3/12/2021 10:19	0	0	(a)
3/12/2021 10:20	0	0	(a)
3/12/2021 10:21	0	0	(a)
3/12/2021 10:22	0	0	(a)
3/12/2021 10:23	0	0	(a)
3/12/2021 10:24	0	0	(a)
3/12/2021 10:25	0	0	(a)
3/12/2021 10:26	0	0	(a)
3/12/2021 10:27	0	0	(a)
3/12/2021 10:28	0	0	(a)
3/12/2021 10:29	0	0	(a)
3/12/2021 10:30	0	0	(a)
3/12/2021 10:31	0	0	(a)
3/12/2021 10:32	0	0	(a)
3/12/2021 10:33	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 8:20	0	0	(a)
3/15/2021 8:21	0	0	(a)
3/15/2021 8:22	0	0	(a)
3/15/2021 8:23	0	0	(a)
3/15/2021 8:24	0	0	(a)
3/15/2021 8:25	0	0	(a)
3/15/2021 8:26	0	0	(a)
3/15/2021 8:27	0	0	(a)
3/15/2021 8:28	0	0	(a)
3/15/2021 8:29	0	0	(a)
3/15/2021 8:30	0	0	(a)
3/15/2021 8:31	0	0	0.01
3/15/2021 8:32	0	0	(a)
3/15/2021 8:33	0	0	(a)
3/15/2021 8:34	0	0	(a)
3/15/2021 8:35	0	0	(a)
3/15/2021 8:36	0	0	(a)
3/15/2021 8:37	0	0	(a)
3/15/2021 8:38	0	0	(a)
3/15/2021 8:39	0	0	(a)
3/15/2021 8:40	0	0	(a)
3/15/2021 8:41	0	0	(a)
3/15/2021 8:42	0	0	(a)
3/15/2021 8:43	0	0	(a)
3/15/2021 8:44	0	0	(a)
3/15/2021 8:45	0	0	(a)
3/15/2021 8:46	0	0	0.01
3/15/2021 8:47	0	0	(a)
3/15/2021 8:48	0	0	(a)
3/15/2021 8:49	0	0	(a)
3/15/2021 8:50	0	0	(a)
3/15/2021 8:51	0	0	(a)
3/15/2021 8:52	0	0	(a)
3/15/2021 8:53	0	0	(a)
3/15/2021 8:54	0	0	(a)
3/15/2021 8:55	0	0	(a)
3/15/2021 8:56	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 8:57	0	0	(a)
3/15/2021 8:58	0	0	(a)
3/15/2021 8:59	0	0	(a)
3/15/2021 9:00	0	0	(a)
3/15/2021 9:01	0	0	0.01
3/15/2021 9:02	0	0	(a)
3/15/2021 9:03	0	0	(a)
3/15/2021 9:04	0	0	(a)
3/15/2021 9:05	0	0	(a)
3/15/2021 9:06	0	0	(a)
3/15/2021 9:07	0	0	(a)
3/15/2021 9:08	0	0	(a)
3/15/2021 9:09	0	0	(a)
3/15/2021 9:10	0	0	(a)
3/15/2021 9:11	0	0	(a)
3/15/2021 9:12	0	0	(a)
3/15/2021 9:13	0	0	(a)
3/15/2021 9:14	0	0	(a)
3/15/2021 9:15	0	0	(a)
3/15/2021 9:16	0	0	0.011
3/15/2021 9:17	0	0	(a)
3/15/2021 9:18	0	0	(a)
3/15/2021 9:19	0	0	(a)
3/15/2021 9:20	0	0	(a)
3/15/2021 9:21	0	0	(a)
3/15/2021 9:22	0	0	(a)
3/15/2021 9:23	0	0	(a)
3/15/2021 9:24	0	0	(a)
3/15/2021 9:25	0	0	(a)
3/15/2021 9:26	0	0	(a)
3/15/2021 9:27	0	0	(a)
3/15/2021 9:28	0	0	(a)
3/15/2021 9:29	0	0	(a)
3/15/2021 9:30	0	0	(a)
3/15/2021 9:31	0	0	0.01
3/15/2021 9:32	0	0	(a)
3/15/2021 9:33	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 9:34	0	0	(a)
3/15/2021 9:35	0	0	(a)
3/15/2021 9:36	0	0	(a)
3/15/2021 9:37	0	0	(a)
3/15/2021 9:38	0	0	(a)
3/15/2021 9:39	0	0	(a)
3/15/2021 9:40	0	0	(a)
3/15/2021 9:41	0	0	(a)
3/15/2021 9:42	0	0	(a)
3/15/2021 9:43	0	0	(a)
3/15/2021 9:44	0	0	(a)
3/15/2021 9:45	0	0	(a)
3/15/2021 9:46	0	0	0.011
3/15/2021 9:47	0	0	(a)
3/15/2021 9:48	0	0	(a)
3/15/2021 9:49	0	0	(a)
3/15/2021 9:50	0	0	(a)
3/15/2021 9:51	0	0	(a)
3/15/2021 9:52	0	0	(a)
3/15/2021 9:53	0	0	(a)
3/15/2021 9:54	0	0	(a)
3/15/2021 9:55	0	0	(a)
3/15/2021 9:56	0	0	(a)
3/15/2021 9:57	0	0	(a)
3/15/2021 9:58	0	0	(a)
3/15/2021 9:59	0	0	(a)
3/15/2021 10:00	0	0	(a)
3/15/2021 10:01	0	0	0.01
3/15/2021 10:02	0	0	(a)
3/15/2021 10:03	0	0	(a)
3/15/2021 10:04	0	0	(a)
3/15/2021 10:05	0	0	(a)
3/15/2021 10:06	0	0	(a)
3/15/2021 10:07	0	0	(a)
3/15/2021 10:08	0	0	(a)
3/15/2021 10:09	0	0	(a)
3/15/2021 10:10	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 10:11	0	0	(a)
3/15/2021 10:12	0	0	(a)
3/15/2021 10:13	0	0	(a)
3/15/2021 10:14	0	0	(a)
3/15/2021 10:15	0	0	(a)
3/15/2021 10:16	0	0	0.011
3/15/2021 10:17	0	0	(a)
3/15/2021 10:18	0	0	(a)
3/15/2021 10:19	0	0	(a)
3/15/2021 10:20	0	0	(a)
3/15/2021 10:21	0	0	(a)
3/15/2021 10:22	0	0	(a)
3/15/2021 10:23	0	0	(a)
3/15/2021 10:24	0	0	(a)
3/15/2021 10:25	0	0	(a)
3/15/2021 10:26	0	0	(a)
3/15/2021 10:27	0	0	(a)
3/15/2021 10:28	0	0	(a)
3/15/2021 10:29	0	0	(a)
3/15/2021 10:30	0	0	(a)
3/15/2021 10:31	0	0	0.011
3/15/2021 10:32	0	0	(a)
3/15/2021 10:33	0	0	(a)
3/15/2021 10:34	0	0	(a)
3/15/2021 10:35	0	0	(a)
3/15/2021 10:36	0	0	(a)
3/15/2021 10:37	0	0	(a)
3/15/2021 10:38	0	0	(a)
3/15/2021 10:39	0	0	(a)
3/15/2021 10:40	0	0	(a)
3/15/2021 10:41	0	0	(a)
3/15/2021 10:42	0	0	(a)
3/15/2021 10:43	0	0	(a)
3/15/2021 10:44	0	0	(a)
3/15/2021 10:45	0	0	(a)
3/15/2021 10:46	0	0	0.01
3/15/2021 10:47	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 10:48	0	0	(a)
3/15/2021 10:49	0	0	(a)
3/15/2021 10:50	0	0	(a)
3/15/2021 10:51	0	0	(a)
3/15/2021 10:52	0	0	(a)
3/15/2021 10:53	0	0	(a)
3/15/2021 10:54	0	0	(a)
3/15/2021 10:55	0	0	(a)
3/15/2021 10:56	0	0	(a)
3/15/2021 10:57	0	0	(a)
3/15/2021 10:58	0	0	(a)
3/15/2021 10:59	0	0	(a)
3/15/2021 11:00	0	0	(a)
3/15/2021 11:01	0	0	0.01
3/15/2021 11:02	0	0	(a)
3/15/2021 11:03	0	0	(a)
3/15/2021 11:04	0	0	(a)
3/15/2021 11:05	0	0	(a)
3/15/2021 11:06	0	0	(a)
3/15/2021 11:07	0	0	(a)
3/15/2021 11:08	0	0	(a)
3/15/2021 11:09	0	0	(a)
3/15/2021 11:10	0	0	(a)
3/15/2021 11:11	0	0	(a)
3/15/2021 11:12	0	0	(a)
3/15/2021 11:13	0	0	(a)
3/15/2021 11:14	0	0	(a)
3/15/2021 11:15	0	0	(a)
3/15/2021 11:16	0	0	0.009
3/15/2021 11:17	0	0	(a)
3/15/2021 11:18	0	0	(a)
3/15/2021 11:19	0	0	(a)
3/15/2021 11:20	0	0	(a)
3/15/2021 11:21	0	0	(a)
3/15/2021 11:22	0	0	(a)
3/15/2021 11:23	0	0	(a)
3/15/2021 11:24	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 11:25	0	0	(a)
3/15/2021 11:26	0	0	(a)
3/15/2021 11:27	0	0	(a)
3/15/2021 11:28	0	0	(a)
3/15/2021 11:29	0	0	(a)
3/15/2021 11:30	0	0	(a)
3/15/2021 11:31	0	0	0.01
3/15/2021 11:32	0	0	(a)
3/15/2021 11:33	0	0	(a)
3/15/2021 11:34	0	0	(a)
3/15/2021 11:35	0	0	(a)
3/15/2021 11:36	0	0	(a)
3/15/2021 11:37	0	0	(a)
3/15/2021 11:38	0	0	(a)
3/15/2021 11:39	0	0	(a)
3/15/2021 11:40	0	0	(a)
3/15/2021 11:41	0	0	(a)
3/15/2021 11:42	0	0	(a)
3/15/2021 11:43	0	0	(a)
3/15/2021 11:44	0	0	(a)
3/15/2021 11:45	0	0	(a)
3/15/2021 11:46	0	0	0.01
3/15/2021 11:47	0	0	(a)
3/15/2021 11:48	0	0	(a)
3/15/2021 11:49	0	0	(a)
3/15/2021 11:50	0	0	(a)
3/15/2021 11:51	0	0	(a)
3/15/2021 11:52	0	0	(a)
3/15/2021 11:53	0	0	(a)
3/15/2021 11:54	0	0	(a)
3/15/2021 11:55	0	0	(a)
3/15/2021 11:56	0	0	(a)
3/15/2021 11:57	0	0	(a)
3/15/2021 11:58	0	0	(a)
3/15/2021 11:59	0	0	(a)
3/15/2021 12:00	0	0	(a)
3/15/2021 12:01	0	0	0.01

Record of Community Air Monitoring (Downwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 12:02	0	0	(a)
3/15/2021 12:03	0	0	(a)
3/15/2021 12:04	0	0	(a)
3/15/2021 12:05	0	0	(a)
3/15/2021 12:06	0	0	(a)
3/15/2021 12:07	0	0	(a)
3/15/2021 12:08	0	0	(a)
3/15/2021 12:09	0	0	(a)
3/15/2021 12:10	0	0	(a)
3/15/2021 12:11	0	0	(a)
3/15/2021 12:12	0	0	(a)
3/15/2021 12:13	0	0	(a)
3/15/2021 12:14	0	0	(a)
3/15/2021 12:15	0	0	(a)
3/15/2021 12:16	0	0	0.01
3/15/2021 12:17	0	0	(a)
3/15/2021 12:18	0	0	(a)
3/15/2021 12:19	0	0	(a)
3/15/2021 12:20	0	0	(a)
3/15/2021 12:21	0	0	(a)
3/15/2021 12:22	0	0	(a)
3/15/2021 12:23	0	0	(a)
3/15/2021 12:24	0	0	(a)
3/15/2021 12:25	0	0	(a)
3/15/2021 12:26	0	0	(a)
3/15/2021 12:27	0	0	(a)
3/15/2021 12:28	0	0	(a)
3/15/2021 12:29	0	0	(a)
3/15/2021 12:30	0	0	(a)
3/15/2021 12:31	0	0	0.01
3/15/2021 12:32	0	0	(a)
3/15/2021 12:33	0	0	(a)
3/15/2021 12:34	0	0	(a)
3/15/2021 12:35	0	0	(a)
3/15/2021 12:36	0	0	(a)
3/15/2021 12:37	0	0	(a)
3/15/2021 12:38	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 12:39	0	0	(a)
3/15/2021 12:40	0	0	(a)
3/15/2021 12:41	0	0	(a)
3/15/2021 12:42	0	0	(a)
3/15/2021 12:43	0	0	(a)
3/15/2021 12:44	0	0	(a)
3/15/2021 12:45	0	0	(a)
3/15/2021 12:46	0	0	0.01
3/15/2021 12:47	0	0	(a)
3/15/2021 12:48	0	0	(a)
3/15/2021 12:49	0	0	(a)
3/15/2021 12:50	0	0	(a)
3/15/2021 12:51	0	0	(a)
3/15/2021 12:52	0	0	(a)
3/15/2021 12:53	0	0	(a)
3/15/2021 12:54	0	0	(a)
3/15/2021 12:55	0	0	(a)
3/15/2021 12:56	0	0	(a)
3/15/2021 12:57	0	0	(a)
3/15/2021 12:58	0	0	(a)
3/15/2021 12:59	0	0	(a)
3/15/2021 13:00	0	0	(a)
3/15/2021 13:01	0	0	0.009
3/15/2021 13:02	0	0	(a)
3/15/2021 13:03	0	0	(a)
3/15/2021 13:04	0	0	(a)
3/15/2021 13:05	0	0	(a)
3/15/2021 13:06	0	0	(a)
3/15/2021 13:07	0	0	(a)
3/15/2021 13:08	0	0	(a)
3/15/2021 13:09	0	0	(a)
3/15/2021 13:10	0	0	(a)
3/15/2021 13:11	0	0	(a)
3/15/2021 13:12	0	0	(a)
3/15/2021 13:13	0	0	(a)
3/15/2021 13:14	0	0	(a)
3/15/2021 13:15	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 13:16	0	0	0.008
3/15/2021 13:17	0	0	(a)
3/15/2021 13:18	0	0	(a)
3/15/2021 13:19	0	0	(a)
3/15/2021 13:20	0	0	(a)
3/15/2021 13:21	0	0	(a)
3/15/2021 13:22	0	0	(a)
3/15/2021 13:23	0	0	(a)
3/15/2021 13:24	0	0	(a)
3/15/2021 13:25	0	0	(a)
3/15/2021 13:26	0	0	(a)
3/15/2021 13:27	0	0	(a)
3/15/2021 13:28	0	0	(a)
3/15/2021 13:29	0	0	(a)
3/15/2021 13:30	0	0	(a)
3/15/2021 13:31	0	0	0.009
3/15/2021 13:32	0	0	(a)
3/15/2021 13:33	0	0	(a)
3/15/2021 13:34	0	0	(a)
3/15/2021 13:35	0	0	(a)
3/15/2021 13:36	0	0	(a)
3/15/2021 13:37	0	0	(a)
3/15/2021 13:38	0	0	(a)
3/15/2021 13:39	0	0	(a)
3/15/2021 13:40	0	0	(a)
3/15/2021 13:41	0	0	(a)
3/15/2021 13:42	0	0	(a)
3/15/2021 13:43	0	0	(a)
3/15/2021 13:44	0	0	(a)
3/15/2021 13:45	0	0	(a)
3/15/2021 13:46	0	0	0.01
3/15/2021 13:47	0	0	(a)
3/15/2021 13:48	0	0	(a)
3/15/2021 13:49	0	0	(a)
3/15/2021 13:50	0	0	(a)
3/15/2021 13:51	0	0	(a)
3/15/2021 13:52	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/15/2021 13:53	0	0	(a)
3/15/2021 13:54	0	0	(a)
3/15/2021 13:55	0	0	(a)
3/15/2021 13:56	0	0	(a)
3/15/2021 13:57	0	0	(a)
3/15/2021 13:58	0	0	(a)
3/15/2021 13:59	0	0	(a)
3/15/2021 14:00	0	0	(a)
3/15/2021 14:01	0	0	0.009

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 7:40	0	0	(a)
3/16/2021 7:41	0	0	(a)
3/16/2021 7:42	0	0	(a)
3/16/2021 7:43	0	0	(a)
3/16/2021 7:44	0	0	(a)
3/16/2021 7:45	0	0	(a)
3/16/2021 7:46	0	0	(a)
3/16/2021 7:47	0	0	(a)
3/16/2021 7:48	0	0	(a)
3/16/2021 7:49	0	0	(a)
3/16/2021 7:50	0	0	(a)
3/16/2021 7:51	0	0	(a)
3/16/2021 7:52	0	0	(a)
3/16/2021 7:53	0	0	(a)
3/16/2021 7:54	0	0	0.01
3/16/2021 7:55	0	0	(a)
3/16/2021 7:56	0	0	(a)
3/16/2021 7:57	0	0	(a)
3/16/2021 7:58	0	0	(a)
3/16/2021 7:59	0	0	(a)
3/16/2021 8:00	0	0	(a)
3/16/2021 8:01	0	0	(a)
3/16/2021 8:02	0	0	(a)
3/16/2021 8:03	0	0	(a)
3/16/2021 8:04	0	0	(a)
3/16/2021 8:05	0	0	(a)
3/16/2021 8:06	0	0	(a)
3/16/2021 8:07	0	0	(a)
3/16/2021 8:08	0	0	(a)
3/16/2021 8:09	0	0	0.01
3/16/2021 8:10	0	0	(a)
3/16/2021 8:11	0	0	(a)
3/16/2021 8:12	0	0	(a)
3/16/2021 8:13	0	0	(a)
3/16/2021 8:14	0	0	(a)
3/16/2021 8:15	0	0	(a)
3/16/2021 8:16	0	0	(a)
3/16/2021 8:17	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 8:18	0	0	(a)
3/16/2021 8:19	0	0	(a)
3/16/2021 8:20	0	0	(a)
3/16/2021 8:21	0	0	(a)
3/16/2021 8:22	0	0	(a)
3/16/2021 8:23	0	0	(a)
3/16/2021 8:24	0	0	0.01
3/16/2021 8:25	0	0	(a)
3/16/2021 8:26	0	0	(a)
3/16/2021 8:27	0	0	(a)
3/16/2021 8:28	0	0	(a)
3/16/2021 8:29	0	0	(a)
3/16/2021 8:30	0	0	(a)
3/16/2021 8:31	0	0	(a)
3/16/2021 8:32	0	0	(a)
3/16/2021 8:33	0	0	(a)
3/16/2021 8:34	0	0	(a)
3/16/2021 8:35	0	0	(a)
3/16/2021 8:36	0	0	(a)
3/16/2021 8:37	0	0	(a)
3/16/2021 8:38	0	0	(a)
3/16/2021 8:39	0	0	0.011
3/16/2021 8:40	0	0	(a)
3/16/2021 8:41	0	0	(a)
3/16/2021 8:42	0	0	(a)
3/16/2021 8:43	0	0	(a)
3/16/2021 8:44	0	0	(a)
3/16/2021 8:45	0	0	(a)
3/16/2021 8:46	0	0	(a)
3/16/2021 8:47	0	0	(a)
3/16/2021 8:48	0	0	(a)
3/16/2021 8:49	0	0	(a)
3/16/2021 8:50	0	0	(a)
3/16/2021 8:51	0	0	(a)
3/16/2021 8:52	0	0	(a)
3/16/2021 8:53	0	0	(a)
3/16/2021 8:54	0	0	0.01
3/16/2021 8:55	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 8:56	0	0	(a)
3/16/2021 8:57	0	0	(a)
3/16/2021 8:58	0	0	(a)
3/16/2021 8:59	0	0	(a)
3/16/2021 9:00	0	0	(a)
3/16/2021 9:01	0	0	(a)
3/16/2021 9:02	0	0	(a)
3/16/2021 9:03	0	0	(a)
3/16/2021 9:04	0	0	(a)
3/16/2021 9:05	0	0	(a)
3/16/2021 9:06	0	0	(a)
3/16/2021 9:07	0	0	(a)
3/16/2021 9:08	0	0	(a)
3/16/2021 9:09	0	0	0.01
3/16/2021 9:10	0	0	(a)
3/16/2021 9:11	0	0	(a)
3/16/2021 9:12	0	0	(a)
3/16/2021 9:13	0	0	(a)
3/16/2021 9:14	0	0	(a)
3/16/2021 9:15	0	0	(a)
3/16/2021 9:16	0	0	(a)
3/16/2021 9:17	0	0	(a)
3/16/2021 9:18	0	0	(a)
3/16/2021 9:19	0	0	(a)
3/16/2021 9:20	0	0	(a)
3/16/2021 9:21	0	0	(a)
3/16/2021 9:22	0	0	(a)
3/16/2021 9:23	0	0	(a)
3/16/2021 9:24	0	0	0.01
3/16/2021 9:25	0	0	(a)
3/16/2021 9:26	0	0	(a)
3/16/2021 9:27	0	0	(a)
3/16/2021 9:28	0	0	(a)
3/16/2021 9:29	0	0	(a)
3/16/2021 9:30	0	0	(a)
3/16/2021 9:31	0	0	(a)
3/16/2021 9:32	0	0	(a)
3/16/2021 9:33	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 9:34	0	0	(a)
3/16/2021 9:35	0	0	(a)
3/16/2021 9:36	0	0	(a)
3/16/2021 9:37	0	0	(a)
3/16/2021 9:38	0	0	(a)
3/16/2021 9:39	0	0	0.009
3/16/2021 9:40	0	0	(a)
3/16/2021 9:41	0	0	(a)
3/16/2021 9:42	0	0	(a)
3/16/2021 9:43	0	0	(a)
3/16/2021 9:44	0	0	(a)
3/16/2021 9:45	0	0	(a)
3/16/2021 9:46	0	0	(a)
3/16/2021 9:47	0	0	(a)
3/16/2021 9:48	0	0	(a)
3/16/2021 9:49	0	0	(a)
3/16/2021 9:50	0	0	(a)
3/16/2021 9:51	0	0	(a)
3/16/2021 9:52	0	0	(a)
3/16/2021 9:53	0	0	(a)
3/16/2021 9:54	0	0	0.01
3/16/2021 9:55	0	0	(a)
3/16/2021 9:56	0	0	(a)
3/16/2021 9:57	0	0	(a)
3/16/2021 9:58	0	0	(a)
3/16/2021 9:59	0	0	(a)
3/16/2021 10:00	0	0	(a)
3/16/2021 10:01	0	0	(a)
3/16/2021 10:02	0	0	(a)
3/16/2021 10:03	0	0	(a)
3/16/2021 10:04	0	0	(a)
3/16/2021 10:05	0	0	(a)
3/16/2021 10:06	0	0	(a)
3/16/2021 10:07	0	0	(a)
3/16/2021 10:08	0	0	(a)
3/16/2021 10:09	0	0	0.013
3/16/2021 10:10	0	0	(a)
3/16/2021 10:11	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 10:12	0	0	(a)
3/16/2021 10:13	0	0	(a)
3/16/2021 10:14	0	0	(a)
3/16/2021 10:15	0	0	(a)
3/16/2021 10:16	0	0	(a)
3/16/2021 10:17	0	0	(a)
3/16/2021 10:18	0	0	(a)
3/16/2021 10:19	0	0	(a)
3/16/2021 10:20	0	0	(a)
3/16/2021 10:21	0	0	(a)
3/16/2021 10:22	0	0	(a)
3/16/2021 10:23	0	0	(a)
3/16/2021 10:24	0	0	0.014
3/16/2021 10:25	0	0	(a)
3/16/2021 10:26	0	0	(a)
3/16/2021 10:27	0	0	(a)
3/16/2021 10:28	0	0	(a)
3/16/2021 10:29	0	0	(a)
3/16/2021 10:30	0	0	(a)
3/16/2021 10:31	0	0	(a)
3/16/2021 10:32	0	0	(a)
3/16/2021 10:33	0	0	(a)
3/16/2021 10:34	0	0	(a)
3/16/2021 10:35	0	0	(a)
3/16/2021 10:36	0	0	(a)
3/16/2021 10:37	0	0	(a)
3/16/2021 10:38	0	0	(a)
3/16/2021 10:39	0	0	0.013
3/16/2021 10:40	0	0	(a)
3/16/2021 10:41	0	0	(a)
3/16/2021 10:42	0	0	(a)
3/16/2021 10:43	0	0	(a)
3/16/2021 10:44	0	0	(a)
3/16/2021 10:45	0	0	(a)
3/16/2021 10:46	0	0	(a)
3/16/2021 10:47	0	0	(a)
3/16/2021 10:48	0	0	(a)
3/16/2021 10:49	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 10:50	0	0	(a)
3/16/2021 10:51	0	0	(a)
3/16/2021 10:52	0	0	(a)
3/16/2021 10:53	0	0	(a)
3/16/2021 10:54	0	0	0.011
3/16/2021 10:55	0	0	(a)
3/16/2021 10:56	0	0	(a)
3/16/2021 10:57	0	0	(a)
3/16/2021 10:58	0	0	(a)
3/16/2021 10:59	0	0	(a)
3/16/2021 11:00	0	0	(a)
3/16/2021 11:01	0	0	(a)
3/16/2021 11:02	0	0	(a)
3/16/2021 11:03	0	0	(a)
3/16/2021 11:04	0	0	(a)
3/16/2021 11:05	0	0	(a)
3/16/2021 11:06	0	0	(a)
3/16/2021 11:07	0	0	(a)
3/16/2021 11:08	0	0	(a)
3/16/2021 11:09	0	0	0.011
3/16/2021 11:10	0	0	(a)
3/16/2021 11:11	0	0	(a)
3/16/2021 11:12	0	0	(a)
3/16/2021 11:13	0	0	(a)
3/16/2021 11:14	0	0	(a)
3/16/2021 11:15	0	0	(a)
3/16/2021 11:16	0	0	(a)
3/16/2021 11:17	0	0	(a)
3/16/2021 11:18	0	0	(a)
3/16/2021 11:19	0	0	(a)
3/16/2021 11:20	0	0	(a)
3/16/2021 11:21	0	0	(a)
3/16/2021 11:22	0	0	(a)
3/16/2021 11:23	0	0	(a)
3/16/2021 11:24	0	0	0.01
3/16/2021 11:25	0	0	(a)
3/16/2021 11:26	0	0	(a)
3/16/2021 11:27	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 11:28	0	0	(a)
3/16/2021 11:29	0	0	(a)
3/16/2021 11:30	0	0	(a)
3/16/2021 11:31	0	0	(a)
3/16/2021 11:32	0	0	(a)
3/16/2021 11:33	0	0	(a)
3/16/2021 11:34	0	0	(a)
3/16/2021 11:35	0	0	(a)
3/16/2021 11:36	0	0	(a)
3/16/2021 11:37	0	0	(a)
3/16/2021 11:38	0	0	(a)
3/16/2021 11:39	0	0	0.01
3/16/2021 11:40	0	0	(a)
3/16/2021 11:41	0	0	(a)
3/16/2021 11:42	0	0	(a)
3/16/2021 11:43	0	0	(a)
3/16/2021 11:44	0	0	(a)
3/16/2021 11:45	0	0	(a)
3/16/2021 11:46	0	0	(a)
3/16/2021 11:47	0	0	(a)
3/16/2021 11:48	0	0	(a)
3/16/2021 11:49	0	0	(a)
3/16/2021 11:50	0	0	(a)
3/16/2021 11:51	0	0	(a)
3/16/2021 11:52	0	0	(a)
3/16/2021 11:53	0	0	(a)
3/16/2021 11:54	0	0	0.009
3/16/2021 11:55	0	0	(a)
3/16/2021 11:56	0	0	(a)
3/16/2021 11:57	0	0	(a)
3/16/2021 11:58	0	0	(a)
3/16/2021 11:59	0	0	(a)
3/16/2021 12:00	0	0	(a)
3/16/2021 12:01	0	0	(a)
3/16/2021 12:02	0	0	(a)
3/16/2021 12:03	0	0	(a)
3/16/2021 12:04	0	0	(a)
3/16/2021 12:05	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 12:06	0	0	(a)
3/16/2021 12:07	0	0	(a)
3/16/2021 12:08	0	0	(a)
3/16/2021 12:09	0	0	0.009
3/16/2021 12:10	0	0	(a)
3/16/2021 12:11	0	0	(a)
3/16/2021 12:12	0	0	(a)
3/16/2021 12:13	0	0	(a)
3/16/2021 12:14	0	0	(a)
3/16/2021 12:15	0	0	(a)
3/16/2021 12:16	0	0	(a)
3/16/2021 12:17	0	0	(a)
3/16/2021 12:18	0	0	(a)
3/16/2021 12:19	0	0	(a)
3/16/2021 12:20	0	0	(a)
3/16/2021 12:21	0	0	(a)
3/16/2021 12:22	0	0	(a)
3/16/2021 12:23	0	0	(a)
3/16/2021 12:24	0	0	0.008
3/16/2021 12:25	0	0	(a)
3/16/2021 12:26	0	0	(a)
3/16/2021 12:27	0	0	(a)
3/16/2021 12:28	0	0	(a)
3/16/2021 12:29	0	0	(a)
3/16/2021 12:30	0	0	(a)
3/16/2021 12:31	0	0	(a)
3/16/2021 12:32	0	0	(a)
3/16/2021 12:33	0	0	(a)
3/16/2021 12:34	0	0	(a)
3/16/2021 12:35	0	0	(a)
3/16/2021 12:36	0	0	(a)
3/16/2021 12:37	0	0	(a)
3/16/2021 12:38	0	0	(a)
3/16/2021 12:39	0	0	(a)
3/16/2021 12:40	0	0	(a)
3/16/2021 12:41	0	0	(a)
3/16/2021 12:42	0	0	(a)
3/16/2021 12:43	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/16/2021 12:44	0	0	(a)
3/16/2021 12:45	0	0	(a)
3/16/2021 12:46	0	0	(a)
3/16/2021 12:47	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 7:38	0	0	(a)
3/17/2021 7:39	0	0	(a)
3/17/2021 7:40	0	0	(a)
3/17/2021 7:41	0	0	(a)
3/17/2021 7:42	0	0	(a)
3/17/2021 7:43	0	0	(a)
3/17/2021 7:44	0	0	(a)
3/17/2021 7:45	0	0	(a)
3/17/2021 7:46	0	0	(a)
3/17/2021 7:47	0	0	(a)
3/17/2021 7:48	0	0	(a)
3/17/2021 7:49	0	0	(a)
3/17/2021 7:50	0	0	(a)
3/17/2021 7:51	0	0	(a)
3/17/2021 7:52	0	0	(a)
3/17/2021 7:53	0	0	(a)
3/17/2021 7:54	0	0	(a)
3/17/2021 7:55	0	0	(a)
3/17/2021 7:56	0	0	(a)
3/17/2021 7:57	0	0	(a)
3/17/2021 7:58	0	0	(a)
3/17/2021 7:59	0	0	(a)
3/17/2021 8:00	0	0	(a)
3/17/2021 8:01	0	0	(a)
3/17/2021 8:02	0	0	(a)
3/17/2021 8:03	0	0	(a)
3/17/2021 8:04	0	0	(a)
3/17/2021 8:05	0	0	(a)
3/17/2021 8:06	0	0	(a)
3/17/2021 8:07	0	0	(a)
3/17/2021 8:08	0	0	(a)
3/17/2021 8:09	0	0	(a)
3/17/2021 8:10	0	0	(a)
3/17/2021 8:11	0	0	(a)
3/17/2021 8:12	0	0	(a)
3/17/2021 8:13	0	0	(a)
3/17/2021 8:14	0	0	(a)
3/17/2021 8:15	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 8:16	0	0	(a)
3/17/2021 8:17	0	0	(a)
3/17/2021 8:18	0	0	(a)
3/17/2021 8:19	0	0	(a)
3/17/2021 8:20	0	0	(a)
3/17/2021 8:21	0	0	(a)
3/17/2021 8:22	0	0	(a)
3/17/2021 8:23	0	0	(a)
3/17/2021 8:24	0	0	(a)
3/17/2021 8:25	0	0	(a)
3/17/2021 8:26	0	0	(a)
3/17/2021 8:27	0	0	(a)
3/17/2021 8:28	0	0	(a)
3/17/2021 8:29	0	0	(a)
3/17/2021 8:30	0	0	(a)
3/17/2021 8:31	0	0	(a)
3/17/2021 8:32	0	0	(a)
3/17/2021 8:33	0	0	(a)
3/17/2021 8:34	0	0	(a)
3/17/2021 8:35	0	0	(a)
3/17/2021 8:36	0	0	(a)
3/17/2021 8:37	0	0	(a)
3/17/2021 8:38	0	0	(a)
3/17/2021 8:39	0	0	(a)
3/17/2021 8:40	0	0	(a)
3/17/2021 8:41	0	0	(a)
3/17/2021 8:42	0	0	(a)
3/17/2021 8:43	0	0	(a)
3/17/2021 8:44	0	0	(a)
3/17/2021 8:45	0	0	(a)
3/17/2021 8:46	0	0	(a)
3/17/2021 8:47	0	0	(a)
3/17/2021 8:48	0	0	(a)
3/17/2021 8:49	0	0	(a)
3/17/2021 8:50	0	0	(a)
3/17/2021 8:51	0	0	(a)
3/17/2021 8:52	0	0	(a)
3/17/2021 8:53	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 8:54	0	0	(a)
3/17/2021 8:55	0	0	(a)
3/17/2021 8:56	0	0	(a)
3/17/2021 8:57	0	0	(a)
3/17/2021 8:58	0	0	(a)
3/17/2021 8:59	0	0	(a)
3/17/2021 9:00	0	0	(a)
3/17/2021 9:01	0	0	(a)
3/17/2021 9:02	0	0	(a)
3/17/2021 9:03	0	0	(a)
3/17/2021 9:04	0	0	(a)
3/17/2021 9:05	0	0	(a)
3/17/2021 9:06	0	0	(a)
3/17/2021 9:07	0	0	(a)
3/17/2021 9:08	0	0	(a)
3/17/2021 9:09	0	0	(a)
3/17/2021 9:10	0	0	(a)
3/17/2021 9:11	0	0	(a)
3/17/2021 9:12	0	0	(a)
3/17/2021 9:13	0	0	(a)
3/17/2021 9:14	0	0	(a)
3/17/2021 9:15	0	0	(a)
3/17/2021 9:16	0	0	(a)
3/17/2021 9:17	0	0	(a)
3/17/2021 9:18	0	0	(a)
3/17/2021 9:19	0	0	(a)
3/17/2021 9:20	0	0	(a)
3/17/2021 9:21	0	0	(a)
3/17/2021 9:22	0	0	(a)
3/17/2021 9:23	0	0	(a)
3/17/2021 9:24	0	0	(a)
3/17/2021 9:25	0	0	(a)
3/17/2021 9:26	0	0	(a)
3/17/2021 9:27	0	0	(a)
3/17/2021 9:28	0	0	(a)
3/17/2021 9:29	0	0	(a)
3/17/2021 9:30	0	0	(a)
3/17/2021 9:31	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 9:32	0	0	(a)
3/17/2021 9:33	0	0	(a)
3/17/2021 9:34	0	0	(a)
3/17/2021 9:35	0	0	(a)
3/17/2021 9:36	0	0	(a)
3/17/2021 9:37	0	0	(a)
3/17/2021 9:38	0	0	(a)
3/17/2021 9:39	0	0	(a)
3/17/2021 9:40	0	0	(a)
3/17/2021 9:41	0	0	(a)
3/17/2021 9:42	0	0	(a)
3/17/2021 9:43	0	0	(a)
3/17/2021 9:44	0	0	(a)
3/17/2021 9:45	0	0	(a)
3/17/2021 9:46	0	0	(a)
3/17/2021 9:47	0	0	(a)
3/17/2021 9:48	0	0	(a)
3/17/2021 9:49	0	0	(a)
3/17/2021 9:50	0	0	(a)
3/17/2021 9:51	0	0	(a)
3/17/2021 9:52	0	0	(a)
3/17/2021 9:53	0	0	(a)
3/17/2021 9:54	0	0	(a)
3/17/2021 9:55	0	0	(a)
3/17/2021 9:56	0	0	(a)
3/17/2021 9:57	0	0	(a)
3/17/2021 9:58	0	0	(a)
3/17/2021 9:59	0	0	(a)
3/17/2021 10:00	0	0	(a)
3/17/2021 10:01	0	0	(a)
3/17/2021 10:02	0	0	(a)
3/17/2021 10:03	0	0	(a)
3/17/2021 10:04	0	0	(a)
3/17/2021 10:05	0	0	(a)
3/17/2021 10:06	0	0	(a)
3/17/2021 10:07	0	0	(a)
3/17/2021 10:08	0	0	(a)
3/17/2021 10:09	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 10:10	0	0	(a)
3/17/2021 10:11	0	0	(a)
3/17/2021 10:12	0	0	(a)
3/17/2021 10:13	0	0	(a)
3/17/2021 10:14	0	0	(a)
3/17/2021 10:15	0	0	(a)
3/17/2021 10:16	0	0	(a)
3/17/2021 10:17	0	0	(a)
3/17/2021 10:18	0	0	(a)
3/17/2021 10:19	0	0	(a)
3/17/2021 10:20	0	0	(a)
3/17/2021 10:21	0	0	(a)
3/17/2021 10:22	0	0	(a)
3/17/2021 10:23	0	0	(a)
3/17/2021 10:24	0	0	(a)
3/17/2021 10:25	0	0	(a)
3/17/2021 10:26	0	0	(a)
3/17/2021 10:27	0	0	(a)
3/17/2021 10:28	0	0	(a)
3/17/2021 10:29	0	0	(a)
3/17/2021 10:30	0	0	(a)
3/17/2021 10:31	0	0	(a)
3/17/2021 10:32	0	0	(a)
3/17/2021 10:33	0	0	(a)
3/17/2021 10:34	0	0	(a)
3/17/2021 10:35	0	0	(a)
3/17/2021 10:36	0	0	(a)
3/17/2021 10:37	0	0	(a)
3/17/2021 10:38	0	0	(a)
3/17/2021 10:39	0	0	(a)
3/17/2021 10:40	0	0	(a)
3/17/2021 10:41	0	0	(a)
3/17/2021 10:42	0	0	(a)
3/17/2021 10:43	0	0	(a)
3/17/2021 10:44	0	0	(a)
3/17/2021 10:45	0	0	(a)
3/17/2021 10:46	0	0	(a)
3/17/2021 10:47	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 10:48	0	0	(a)
3/17/2021 10:49	0	0	(a)
3/17/2021 10:50	0	0	(a)
3/17/2021 10:51	0	0	(a)
3/17/2021 10:52	0	0	(a)
3/17/2021 10:53	0	0	(a)
3/17/2021 10:54	0	0	(a)
3/17/2021 10:55	0	0	(a)
3/17/2021 10:56	0	0	(a)
3/17/2021 10:57	0	0	(a)
3/17/2021 10:58	0	0	(a)
3/17/2021 10:59	0	0	(a)
3/17/2021 11:00	0	0	(a)
3/17/2021 11:01	0	0	(a)
3/17/2021 11:02	0	0	(a)
3/17/2021 11:03	0	0	(a)
3/17/2021 11:04	0	0	(a)
3/17/2021 11:05	0	0	(a)
3/17/2021 11:06	0	0	(a)
3/17/2021 11:07	0	0	(a)
3/17/2021 11:08	0	0	(a)
3/17/2021 11:09	0	0	(a)
3/17/2021 11:10	0	0	(a)
3/17/2021 11:11	0	0	(a)
3/17/2021 11:12	0	0	(a)
3/17/2021 11:13	0	0	(a)
3/17/2021 11:14	0	0	(a)
3/17/2021 11:15	0	0	(a)
3/17/2021 11:16	0	0	(a)
3/17/2021 11:17	0	0	(a)
3/17/2021 11:18	0	0	(a)
3/17/2021 11:19	0	0	(a)
3/17/2021 11:20	0	0	(a)
3/17/2021 11:21	0	0	(a)
3/17/2021 11:22	0	0	(a)
3/17/2021 11:23	0	0	(a)
3/17/2021 11:24	0	0	(a)
3/17/2021 11:25	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 11:26	0	0	(a)
3/17/2021 11:27	0	0	(a)
3/17/2021 11:28	0	0	(a)
3/17/2021 11:29	0	0	(a)
3/17/2021 11:30	0	0	(a)
3/17/2021 11:31	0	0	(a)
3/17/2021 11:32	0	0	(a)
3/17/2021 11:33	0	0	(a)
3/17/2021 11:34	0	0	(a)
3/17/2021 11:35	0	0	(a)
3/17/2021 11:36	0	0	(a)
3/17/2021 11:37	0	0	(a)
3/17/2021 11:38	0	0	(a)
3/17/2021 11:39	0	0	(a)
3/17/2021 11:40	0	0	(a)
3/17/2021 11:41	0	0	(a)
3/17/2021 11:42	0	0	(a)
3/17/2021 11:43	0	0	(a)
3/17/2021 11:44	0	0	(a)
3/17/2021 11:45	0	0	(a)
3/17/2021 11:46	0	0	(a)
3/17/2021 11:47	0	0	(a)
3/17/2021 11:48	0	0	(a)
3/17/2021 11:49	0	0	(a)
3/17/2021 11:50	0	0	(a)
3/17/2021 11:51	0	0	(a)
3/17/2021 11:52	0	0	(a)
3/17/2021 11:53	0	0	(a)
3/17/2021 11:54	0	0	(a)
3/17/2021 11:55	0	0	(a)
3/17/2021 11:56	0	0	(a)
3/17/2021 11:57	0	0	(a)
3/17/2021 11:58	0	0	(a)
3/17/2021 11:59	0	0	(a)
3/17/2021 12:00	0	0	(a)
3/17/2021 12:01	0	0	(a)
3/17/2021 12:02	0	0	(a)
3/17/2021 12:03	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/17/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/17/2021 12:04	0	0	(a)
3/17/2021 12:05	0	0	(a)
3/17/2021 12:06	0	0	(a)
3/17/2021 12:07	0	0	(a)
3/17/2021 12:08	0	0	(a)
3/17/2021 12:09	0	0	(a)
3/17/2021 12:10	0	0	(a)
3/17/2021 12:11	0	0	(a)
3/17/2021 12:12	0	0	(a)
3/17/2021 12:13	0	0	(a)
3/17/2021 12:14	0	0	(a)
3/17/2021 12:15	0	0	(a)
3/17/2021 12:16	0	0	(a)
3/17/2021 12:17	0	0	(a)
3/17/2021 12:18	0	0	(a)
3/17/2021 12:19	0	0	(a)
3/17/2021 12:20	0	0	(a)
3/17/2021 12:21	0	0	(a)
3/17/2021 12:22	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) Only VOC monitoring was performed during monitoring well development on March 17, 2021.

Record of Community Air Monitoring (Downwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 7:38	0	0	(a)
3/19/2021 7:39	0	0	(a)
3/19/2021 7:40	0	0	(a)
3/19/2021 7:41	0	0	(a)
3/19/2021 7:42	0	0	(a)
3/19/2021 7:43	0	0	(a)
3/19/2021 7:44	0	0	(a)
3/19/2021 7:45	0	0	(a)
3/19/2021 7:46	0	0	(a)
3/19/2021 7:47	0	0	(a)
3/19/2021 7:48	0	0	(a)
3/19/2021 7:49	0	0	(a)
3/19/2021 7:50	0	0	(a)
3/19/2021 7:51	0	0	(a)
3/19/2021 7:52	0	0	(a)
3/19/2021 7:53	0	0	(a)
3/19/2021 7:54	0	0	(a)
3/19/2021 7:55	0	0	(a)
3/19/2021 7:56	0	0	(a)
3/19/2021 7:57	0	0	(a)
3/19/2021 7:58	0	0	(a)
3/19/2021 7:59	0	0	(a)
3/19/2021 8:00	0	0	(a)
3/19/2021 8:01	0	0	(a)
3/19/2021 8:02	0	0	(a)
3/19/2021 8:03	0	0	(a)
3/19/2021 8:04	0	0	(a)
3/19/2021 8:05	0	0	(a)
3/19/2021 8:06	0	0	(a)
3/19/2021 8:07	0	0	(a)
3/19/2021 8:08	0	0	(a)
3/19/2021 8:09	0	0	(a)
3/19/2021 8:10	0	0	(a)
3/19/2021 8:11	0	0	(a)
3/19/2021 8:12	0	0	(a)
3/19/2021 8:13	0	0	(a)
3/19/2021 8:14	0	0	(a)
3/19/2021 8:15	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 8:16	0	0	(a)
3/19/2021 8:17	0	0	(a)
3/19/2021 8:18	0	0	(a)
3/19/2021 8:19	0	0	(a)
3/19/2021 8:20	0	0	(a)
3/19/2021 8:21	0	0	(a)
3/19/2021 8:22	0	0	(a)
3/19/2021 8:23	0	0	(a)
3/19/2021 8:24	0	0	(a)
3/19/2021 8:25	0	0	(a)
3/19/2021 8:26	0	0	(a)
3/19/2021 8:27	0	0	(a)
3/19/2021 8:28	0	0	(a)
3/19/2021 8:29	0	0	(a)
3/19/2021 8:30	0	0	(a)
3/19/2021 8:31	0	0	(a)
3/19/2021 8:32	0	0	(a)
3/19/2021 8:33	0	0	(a)
3/19/2021 8:34	0	0	(a)
3/19/2021 8:35	0	0	(a)
3/19/2021 8:36	0	0	(a)
3/19/2021 8:37	0	0	(a)
3/19/2021 8:38	0	0	(a)
3/19/2021 8:39	0	0	(a)
3/19/2021 8:40	0	0	(a)
3/19/2021 8:41	0	0	(a)
3/19/2021 8:42	0	0	(a)
3/19/2021 8:43	0	0	(a)
3/19/2021 8:44	0	0	(a)
3/19/2021 8:45	0	0	(a)
3/19/2021 8:46	0	0	(a)
3/19/2021 8:47	0	0	(a)
3/19/2021 8:48	0	0	(a)
3/19/2021 8:49	0	0	(a)
3/19/2021 8:50	0	0	(a)
3/19/2021 8:51	0	0	(a)
3/19/2021 8:52	0	0	(a)
3/19/2021 8:53	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 8:54	0	0	(a)
3/19/2021 8:55	0	0	(a)
3/19/2021 8:56	0	0	(a)
3/19/2021 8:57	0	0	(a)
3/19/2021 8:58	0	0	(a)
3/19/2021 8:59	0	0	(a)
3/19/2021 9:00	0	0	(a)
3/19/2021 9:01	0	0	(a)
3/19/2021 9:02	0	0	(a)
3/19/2021 9:03	0	0	(a)
3/19/2021 9:04	0	0	(a)
3/19/2021 9:05	0	0	(a)
3/19/2021 9:06	0	0	(a)
3/19/2021 9:07	0	0	(a)
3/19/2021 9:08	0	0	(a)
3/19/2021 9:09	0	0	(a)
3/19/2021 9:10	0	0	(a)
3/19/2021 9:11	0	0	(a)
3/19/2021 9:12	0	0	(a)
3/19/2021 9:13	0	0	(a)
3/19/2021 9:14	0	0	(a)
3/19/2021 9:15	0	0	(a)
3/19/2021 9:16	0	0	(a)
3/19/2021 9:17	0	0	(a)
3/19/2021 9:18	0	0	(a)
3/19/2021 9:19	0	0	(a)
3/19/2021 9:20	0	0	(a)
3/19/2021 9:21	0	0	(a)
3/19/2021 9:22	0	0	(a)
3/19/2021 9:23	0	0	(a)
3/19/2021 9:24	0	0	(a)
3/19/2021 9:25	0	0	(a)
3/19/2021 9:26	0	0	(a)
3/19/2021 9:27	0	0	(a)
3/19/2021 9:28	0	0	(a)
3/19/2021 9:29	0	0	(a)
3/19/2021 9:30	0	0	(a)
3/19/2021 9:31	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 9:32	0	0	(a)
3/19/2021 9:33	0	0	(a)
3/19/2021 9:34	0	0	(a)
3/19/2021 9:35	0	0	(a)
3/19/2021 9:36	0	0	(a)
3/19/2021 9:37	0	0	(a)
3/19/2021 9:38	0	0	(a)
3/19/2021 9:39	0	0	(a)
3/19/2021 9:40	0	0	(a)
3/19/2021 9:41	0	0	(a)
3/19/2021 9:42	0	0	(a)
3/19/2021 9:43	0	0	(a)
3/19/2021 9:44	0	0	(a)
3/19/2021 9:45	0	0	(a)
3/19/2021 9:46	0	0	(a)
3/19/2021 9:47	0	0	(a)
3/19/2021 9:48	0	0	(a)
3/19/2021 9:49	0	0	(a)
3/19/2021 9:50	0	0	(a)
3/19/2021 9:51	0	0	(a)
3/19/2021 9:52	0	0	(a)
3/19/2021 9:53	0	0	(a)
3/19/2021 9:54	0	0	(a)
3/19/2021 9:55	0	0	(a)
3/19/2021 9:56	0	0	(a)
3/19/2021 9:57	0	0	(a)
3/19/2021 9:58	0	0	(a)
3/19/2021 9:59	0	0	(a)
3/19/2021 10:00	0	0	(a)
3/19/2021 10:01	0	0	(a)
3/19/2021 10:02	0	0	(a)
3/19/2021 10:03	0	0	(a)
3/19/2021 10:04	0	0	(a)
3/19/2021 10:05	0	0	(a)
3/19/2021 10:06	0	0	(a)
3/19/2021 10:07	0	0	(a)
3/19/2021 10:08	0	0	(a)
3/19/2021 10:09	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 10:10	0	0	(a)
3/19/2021 10:11	0	0	(a)
3/19/2021 10:12	0	0	(a)
3/19/2021 10:13	0	0	(a)
3/19/2021 10:14	0	0	(a)
3/19/2021 10:15	0	0	(a)
3/19/2021 10:16	0	0	(a)
3/19/2021 10:17	0	0	(a)
3/19/2021 10:18	0	0	(a)
3/19/2021 10:19	0	0	(a)
3/19/2021 10:20	0	0	(a)
3/19/2021 10:21	0	0	(a)
3/19/2021 10:22	0	0	(a)
3/19/2021 10:23	0	0	(a)
3/19/2021 10:24	0	0	(a)
3/19/2021 10:25	0	0	(a)
3/19/2021 10:26	0	0	(a)
3/19/2021 10:27	0	0	(a)
3/19/2021 10:28	0	0	(a)
3/19/2021 10:29	0	0	(a)
3/19/2021 10:30	0	0	(a)
3/19/2021 10:31	0	0	(a)
3/19/2021 10:32	0	0	(a)
3/19/2021 10:33	0	0	(a)
3/19/2021 10:34	0	0	(a)
3/19/2021 10:35	0	0	(a)
3/19/2021 10:36	0	0	(a)
3/19/2021 10:37	0	0	(a)
3/19/2021 10:38	0	0	(a)
3/19/2021 10:39	0	0	(a)
3/19/2021 10:40	0	0	(a)
3/19/2021 10:41	0	0	(a)
3/19/2021 10:42	0	0	(a)
3/19/2021 10:43	0	0	(a)
3/19/2021 10:44	0	0	(a)
3/19/2021 10:45	0	0	(a)
3/19/2021 10:46	0	0	(a)
3/19/2021 10:47	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 10:48	0	0	(a)
3/19/2021 10:49	0	0	(a)
3/19/2021 10:50	0	0	(a)
3/19/2021 10:51	0	0	(a)
3/19/2021 10:52	0	0	(a)
3/19/2021 10:53	0	0	(a)
3/19/2021 10:54	0	0	(a)
3/19/2021 10:55	0	0	(a)
3/19/2021 10:56	0	0	(a)
3/19/2021 10:57	0	0	(a)
3/19/2021 10:58	0	0	(a)
3/19/2021 10:59	0	0	(a)
3/19/2021 11:00	0	0	(a)
3/19/2021 11:01	0	0	(a)
3/19/2021 11:02	0	0	(a)
3/19/2021 11:03	0	0	(a)
3/19/2021 11:04	0	0	(a)
3/19/2021 11:05	0	0	(a)
3/19/2021 11:06	0	0	(a)
3/19/2021 11:07	0	0	(a)
3/19/2021 11:08	0	0	(a)
3/19/2021 11:09	0	0	(a)
3/19/2021 11:10	0	0	(a)
3/19/2021 11:11	0	0	(a)
3/19/2021 11:12	0	0	(a)
3/19/2021 11:13	0	0	(a)
3/19/2021 11:14	0	0	(a)
3/19/2021 11:15	0	0	(a)
3/19/2021 11:16	0	0	(a)
3/19/2021 11:17	0	0	(a)
3/19/2021 11:18	0	0	(a)
3/19/2021 11:19	0	0	(a)
3/19/2021 11:20	0	0	(a)
3/19/2021 11:21	0	0	(a)
3/19/2021 11:22	0	0	(a)
3/19/2021 11:23	0	0	(a)
3/19/2021 11:24	0	0	(a)
3/19/2021 11:25	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 03/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15min (ppm)	Mass Conc. Total (mg/m³)
3/19/2021 11:26	0	0	(a)
3/19/2021 11:27	0	0	(a)
3/19/2021 11:28	0	0	(a)
3/19/2021 11:29	0	0	(a)
3/19/2021 11:30	0	0	(a)
3/19/2021 11:31	0	0	(a)
3/19/2021 11:32	0	0	(a)
3/19/2021 11:33	0	0	(a)
3/19/2021 11:34	0	0	(a)
3/19/2021 11:35	0	0	(a)
3/19/2021 11:36	0	0	(a)
3/19/2021 11:37	0	0	(a)
3/19/2021 11:38	0	0	(a)
3/19/2021 11:39	0	0	(a)
3/19/2021 11:40	0	0	(a)
3/19/2021 11:41	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) Only VOC monitoring was performed during monitoring well development on March 19, 2021.

Record of Community Air Monitoring (Downwind Data) - 06/21/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/21/2021 9:32	0	0	0.017
6/21/2021 9:47	0	0	0.014
6/21/2021 10:02	0	0	0.012
6/21/2021 10:17	0	0	0.014
6/21/2021 10:32	0	0	0.017
6/21/2021 10:47	0	0	0.017
6/21/2021 11:02	0	0	0.015
6/21/2021 11:17	0	0	0.011
6/21/2021 11:32	0	0	0.01
6/21/2021 11:47	0	0	0.009
6/21/2021 12:02	0	0	0.013
6/21/2021 12:17	0	0	0.016
6/21/2021 12:32	0	0	0.02
6/21/2021 12:47	0	0	0.023
6/21/2021 13:02	0	0	0.023
6/21/2021 13:17	0	0	0.022
6/21/2021 13:32	0	0	0.026
6/21/2021 13:47	0	0	0.021
6/21/2021 14:02	0	0	0.016
6/21/2021 14:17	0	0	0.015
6/21/2021 14:32	0	0	0.013
6/21/2021 14:47	0	0	0.012
6/21/2021 15:02	0	0	0.012
6/21/2021 15:17	0	0	0.014
6/21/2021 15:32	0	0	0.012
6/21/2021 15:47	0	0	0.011
6/21/2021 16:02	0	0	0.012
6/21/2021 16:17	0	0	0.014

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).
4. PID and PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 06/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/22/2021 7:51	0	0	0.018
6/22/2021 8:06	0	0	0.014
6/22/2021 8:21	0	0	0.013
6/22/2021 8:36	0	0	0.015
6/22/2021 8:51	0	0	0.013
6/22/2021 9:06	0	0	0.014
6/22/2021 9:21	0	0	0.013
6/22/2021 9:36	0	0	0.011
6/22/2021 9:51	0	0	0.011
6/22/2021 10:06	0	0	0.01
6/22/2021 10:21	0	0	0.011
6/22/2021 10:36	0	0	0.01
6/22/2021 10:51	0	0	0.011
6/22/2021 11:06	0	0	0.012
6/22/2021 11:21	0	0	0.011
6/22/2021 11:36	0	0	0.011

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).
4. PID and PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 8:08	0	0	(a)
6/23/2021 8:09	0	0	(a)
6/23/2021 8:10	0	0	(a)
6/23/2021 8:11	0	0	(a)
6/23/2021 8:12	0	0	(a)
6/23/2021 8:13	0	0	(a)
6/23/2021 8:14	0	0	(a)
6/23/2021 8:15	0	0	(a)
6/23/2021 8:16	0	0	(a)
6/23/2021 8:17	0	0	(a)
6/23/2021 8:18	0	0	0.004
6/23/2021 8:19	0	0	(a)
6/23/2021 8:20	0	0	(a)
6/23/2021 8:21	0	0	(a)
6/23/2021 8:22	0	0	(a)
6/23/2021 8:23	0	0	(a)
6/23/2021 8:24	0	0	(a)
6/23/2021 8:25	0	0	(a)
6/23/2021 8:26	0	0	(a)
6/23/2021 8:27	0	0	(a)
6/23/2021 8:28	0	0	(a)
6/23/2021 8:29	0	0	(a)
6/23/2021 8:30	0	0	(a)
6/23/2021 8:31	0	0	(a)
6/23/2021 8:32	0	0	(a)
6/23/2021 8:33	0	0	0.003
6/23/2021 8:34	0	0	(a)
6/23/2021 8:35	0	0	(a)
6/23/2021 8:36	0	0	(a)
6/23/2021 8:37	0	0	(a)
6/23/2021 8:38	0	0	(a)
6/23/2021 8:39	0	0	(a)
6/23/2021 8:40	0	0	(a)
6/23/2021 8:41	0	0	(a)
6/23/2021 8:42	0	0	(a)
6/23/2021 8:43	0	0	(a)
6/23/2021 8:44	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 8:45	0	0	(a)
6/23/2021 8:46	0	0	(a)
6/23/2021 8:47	0	0	(a)
6/23/2021 8:48	0	0	0.003
6/23/2021 8:49	0	0	(a)
6/23/2021 8:50	0	0	(a)
6/23/2021 8:51	0	0	(a)
6/23/2021 8:52	0	0	(a)
6/23/2021 8:53	0	0	(a)
6/23/2021 8:54	0	0	(a)
6/23/2021 8:55	0	0	(a)
6/23/2021 8:56	0	0	(a)
6/23/2021 8:57	0	0	(a)
6/23/2021 8:58	0	0	(a)
6/23/2021 8:59	0	0	(a)
6/23/2021 9:00	0	0	(a)
6/23/2021 9:01	0	0	(a)
6/23/2021 9:02	0	0	(a)
6/23/2021 9:03	0	0	0.002
6/23/2021 9:04	0	0	(a)
6/23/2021 9:05	0	0	(a)
6/23/2021 9:06	0	0	(a)
6/23/2021 9:07	0	0	(a)
6/23/2021 9:08	0	0	(a)
6/23/2021 9:09	0	0	(a)
6/23/2021 9:10	0	0	(a)
6/23/2021 9:11	0	0	(a)
6/23/2021 9:12	0	0	(a)
6/23/2021 9:13	0	0	(a)
6/23/2021 9:14	0	0	(a)
6/23/2021 9:15	0	0	(a)
6/23/2021 9:16	0	0	(a)
6/23/2021 9:17	0	0	(a)
6/23/2021 9:18	0	0	0.002
6/23/2021 9:19	0	0	(a)
6/23/2021 9:20	0	0	(a)
6/23/2021 9:21	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 9:22	0	0	(a)
6/23/2021 9:23	0	0	(a)
6/23/2021 9:24	0	0	(a)
6/23/2021 9:25	0	0	(a)
6/23/2021 9:26	0	0	(a)
6/23/2021 9:27	0	0	(a)
6/23/2021 9:28	0	0	(a)
6/23/2021 9:29	0	0	(a)
6/23/2021 9:30	0.2	0	(a)
6/23/2021 9:31	0	0	(a)
6/23/2021 9:32	0	0	(a)
6/23/2021 9:33	0	0	0.002
6/23/2021 9:34	0	0	(a)
6/23/2021 9:35	0	0	(a)
6/23/2021 9:36	0	0	(a)
6/23/2021 9:37	0	0	(a)
6/23/2021 9:38	0	0	(a)
6/23/2021 9:39	0	0	(a)
6/23/2021 9:40	0	0	(a)
6/23/2021 9:41	0	0	(a)
6/23/2021 9:42	0	0	(a)
6/23/2021 9:43	0	0	(a)
6/23/2021 9:44	0	0	(a)
6/23/2021 9:45	0	0	(a)
6/23/2021 9:46	0	0	(a)
6/23/2021 9:47	0	0	(a)
6/23/2021 9:48	0	0	0.001
6/23/2021 9:49	0	0	(a)
6/23/2021 9:50	0	0	(a)
6/23/2021 9:51	0	0	(a)
6/23/2021 9:52	0	0	(a)
6/23/2021 9:53	0	0	(a)
6/23/2021 9:54	0	0	(a)
6/23/2021 9:55	0	0	(a)
6/23/2021 9:56	0	0	(a)
6/23/2021 9:57	0	0	(a)
6/23/2021 9:58	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 9:59	0	0	(a)
6/23/2021 10:00	0	0	(a)
6/23/2021 10:01	0	0	(a)
6/23/2021 10:02	0	0	(a)
6/23/2021 10:03	0	0	0.001
6/23/2021 10:04	0	0	(a)
6/23/2021 10:05	0	0	(a)
6/23/2021 10:06	0	0	(a)
6/23/2021 10:07	0	0	(a)
6/23/2021 10:08	0	0	(a)
6/23/2021 10:09	0	0	(a)
6/23/2021 10:10	0	0	(a)
6/23/2021 10:11	0	0	(a)
6/23/2021 10:12	0	0	(a)
6/23/2021 10:13	0	0	(a)
6/23/2021 10:14	0	0	(a)
6/23/2021 10:15	0	0	(a)
6/23/2021 10:16	0	0	(a)
6/23/2021 10:17	0	0	(a)
6/23/2021 10:18	0	0	0.001
6/23/2021 10:19	0	0	(a)
6/23/2021 10:20	0	0	(a)
6/23/2021 10:21	0	0	(a)
6/23/2021 10:22	0	0	(a)
6/23/2021 10:23	0	0	(a)
6/23/2021 10:24	0	0	(a)
6/23/2021 10:25	0	0	(a)
6/23/2021 10:26	0	0	(a)
6/23/2021 10:27	0	0	(a)
6/23/2021 10:28	0	0	(a)
6/23/2021 10:29	0	0	(a)
6/23/2021 10:30	0	0	(a)
6/23/2021 10:31	0	0	(a)
6/23/2021 10:32	0	0	(a)
6/23/2021 10:33	0	0	0.001
6/23/2021 10:34	0	0	(a)
6/23/2021 10:35	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 10:36	0	0	(a)
6/23/2021 10:37	0	0	(a)
6/23/2021 10:38	0	0	(a)
6/23/2021 10:39	0	0	(a)
6/23/2021 10:40	0	0	(a)
6/23/2021 10:41	0	0	(a)
6/23/2021 10:42	0	0	(a)
6/23/2021 10:43	0	0	(a)
6/23/2021 10:44	0	0	(a)
6/23/2021 10:45	0	0	(a)
6/23/2021 10:46	0	0	(a)
6/23/2021 10:47	0	0	(a)
6/23/2021 10:48	0	0	0.001
6/23/2021 10:49	0	0	(a)
6/23/2021 10:50	0	0	(a)
6/23/2021 10:51	0	0	(a)
6/23/2021 10:52	0	0	(a)
6/23/2021 10:53	0	0	(a)
6/23/2021 10:54	0	0	(a)
6/23/2021 10:55	0	0	(a)
6/23/2021 10:56	0	0	(a)
6/23/2021 10:57	0	0	(a)
6/23/2021 10:58	0	0	(a)
6/23/2021 10:59	0	0	(a)
6/23/2021 11:00	0	0	(a)
6/23/2021 11:01	0	0	(a)
6/23/2021 11:02	0	0	(a)
6/23/2021 11:03	0	0	0
6/23/2021 11:04	0	0	(a)
6/23/2021 11:05	0	0	(a)
6/23/2021 11:06	0	0	(a)
6/23/2021 11:07	0	0	(a)
6/23/2021 11:08	0	0	(a)
6/23/2021 11:09	0	0	(a)
6/23/2021 11:10	0	0	(a)
6/23/2021 11:11	0	0	(a)
6/23/2021 11:12	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 11:13	0	0	(a)
6/23/2021 11:14	0	0	(a)
6/23/2021 11:15	0	0	(a)
6/23/2021 11:16	0	0	(a)
6/23/2021 11:17	0	0	(a)
6/23/2021 11:18	0	0	0.001
6/23/2021 11:19	0	0	(a)
6/23/2021 11:20	0	0	(a)
6/23/2021 11:21	0	0	(a)
6/23/2021 11:22	0	0	(a)
6/23/2021 11:23	0	0	(a)
6/23/2021 11:24	0	0	(a)
6/23/2021 11:25	0	0	(a)
6/23/2021 11:26	0	0	(a)
6/23/2021 11:27	0	0	(a)
6/23/2021 11:28	0	0	(a)
6/23/2021 11:29	0	0	(a)
6/23/2021 11:30	0	0	(a)
6/23/2021 11:31	0	0	(a)
6/23/2021 11:32	0	0	(a)
6/23/2021 11:33	0	0	0.001
6/23/2021 11:34	0	0	(a)
6/23/2021 11:35	0	0	(a)
6/23/2021 11:36	0	0	(a)
6/23/2021 11:37	0	0	(a)
6/23/2021 11:38	0	0	(a)
6/23/2021 11:39	0	0	(a)
6/23/2021 11:40	0	0	(a)
6/23/2021 11:41	0	0	(a)
6/23/2021 11:42	0	0	(a)
6/23/2021 11:43	0	0	(a)
6/23/2021 11:44	0	0	(a)
6/23/2021 11:45	0	0	(a)
6/23/2021 11:46	0	0	(a)
6/23/2021 11:47	0	0	(a)
6/23/2021 11:48	0	0	0
6/23/2021 11:49	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 11:50	0	0	(a)
6/23/2021 11:51	0	0	(a)
6/23/2021 11:52	0	0	(a)
6/23/2021 11:53	0	0	(a)
6/23/2021 11:54	0	0	(a)
6/23/2021 11:55	0	0	(a)
6/23/2021 11:56	0	0	(a)
6/23/2021 11:57	0	0	(a)
6/23/2021 11:58	0	0	(a)
6/23/2021 11:59	0	0	(a)
6/23/2021 12:00	0	0	(a)
6/23/2021 12:01	0	0	(a)
6/23/2021 12:02	0	0	(a)
6/23/2021 12:03	0	0	0.001
6/23/2021 12:04	0	0	(a)
6/23/2021 12:05	0	0	(a)
6/23/2021 12:06	0	0	(a)
6/23/2021 12:07	0	0	(a)
6/23/2021 12:08	0	0	(a)
6/23/2021 12:09	0	0	(a)
6/23/2021 12:10	0	0	(a)
6/23/2021 12:11	0	0	(a)
6/23/2021 12:12	0	0	(a)
6/23/2021 12:13	0	0	(a)
6/23/2021 12:14	0	0	(a)
6/23/2021 12:15	0	0	(a)
6/23/2021 12:16	0	0	(a)
6/23/2021 12:17	0	0	(a)
6/23/2021 12:18	0	0	0.002
6/23/2021 12:19	0	0	(a)
6/23/2021 12:20	0	0	(a)
6/23/2021 12:21	0	0	(a)
6/23/2021 12:22	0	0	(a)
6/23/2021 12:23	0	0	(a)
6/23/2021 12:24	0	0	(a)
6/23/2021 12:25	0	0	(a)
6/23/2021 12:26	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 12:27	0	0	(a)
6/23/2021 12:28	0	0	(a)
6/23/2021 12:29	0	0	(a)
6/23/2021 12:30	0	0	(a)
6/23/2021 12:31	0	0	(a)
6/23/2021 12:32	0	0	(a)
6/23/2021 12:33	0	0	0.001
6/23/2021 12:34	0	0	(a)
6/23/2021 12:35	0	0	(a)
6/23/2021 12:36	0	0	(a)
6/23/2021 12:37	0	0	(a)
6/23/2021 12:38	0	0	(a)
6/23/2021 12:39	0	0	(a)
6/23/2021 12:40	0	0	(a)
6/23/2021 12:41	0	0	(a)
6/23/2021 12:42	0	0	(a)
6/23/2021 12:43	0	0	(a)
6/23/2021 12:44	0	0	(a)
6/23/2021 12:45	0	0	(a)
6/23/2021 12:46	0	0	(a)
6/23/2021 12:47	0	0	(a)
6/23/2021 12:48	0	0	0
6/23/2021 12:49	0	0	(a)
6/23/2021 12:50	0	0	(a)
6/23/2021 12:51	0	0	(a)
6/23/2021 12:52	0	0	(a)
6/23/2021 12:53	0	0	(a)
6/23/2021 12:54	0	0	(a)
6/23/2021 12:55	0	0	(a)
6/23/2021 12:56	0	0	(a)
6/23/2021 12:57	0	0	(a)
6/23/2021 12:58	0	0	(a)
6/23/2021 12:59	0	0	(a)
6/23/2021 13:00	0	0	(a)
6/23/2021 13:01	0	0	(a)
6/23/2021 13:02	0	0	(a)
6/23/2021 13:03	0	0	0

Record of Community Air Monitoring (Downwind Data) - 06/23/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/23/2021 13:04	0	0	(a)
6/23/2021 13:05	0	0	(a)
6/23/2021 13:06	0	0	(a)
6/23/2021 13:07	0	0	(a)
6/23/2021 13:08	0	0	(a)
6/23/2021 13:09	0	0	(a)
6/23/2021 13:10	0	0	(a)
6/23/2021 13:11	0	0	(a)
6/23/2021 13:12	0	0	(a)
6/23/2021 13:13	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 06/24/21
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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 7:49	0	0	(a)
6/24/2021 7:50	0	0	(a)
6/24/2021 7:51	0	0	(a)
6/24/2021 7:52	0	0	(a)
6/24/2021 7:53	0	0	(a)
6/24/2021 7:54	0	0	(a)
6/24/2021 7:55	0	0	(a)
6/24/2021 7:56	0	0	(a)
6/24/2021 7:57	0	0	(a)
6/24/2021 7:58	0	0	(a)
6/24/2021 7:59	0	0	(a)
6/24/2021 8:00	0	0	(a)
6/24/2021 8:01	0	0	(a)
6/24/2021 8:02	0	0	0.008
6/24/2021 8:03	0	0	(a)
6/24/2021 8:04	0	0	(a)
6/24/2021 8:05	0	0	(a)
6/24/2021 8:06	0	0	(a)
6/24/2021 8:07	0	0	(a)
6/24/2021 8:08	0	0	(a)
6/24/2021 8:09	0	0	(a)
6/24/2021 8:10	0	0	(a)
6/24/2021 8:11	0	0	(a)
6/24/2021 8:12	0	0	(a)
6/24/2021 8:13	0	0	(a)
6/24/2021 8:14	0	0	(a)
6/24/2021 8:15	0	0	(a)
6/24/2021 8:16	0	0	(a)
6/24/2021 8:17	0	0	0.008
6/24/2021 8:18	0	0	(a)
6/24/2021 8:19	0	0	(a)
6/24/2021 8:20	0	0	(a)
6/24/2021 8:21	0	0	(a)
6/24/2021 8:22	0	0	(a)
6/24/2021 8:23	0	0	(a)
6/24/2021 8:24	0	0	(a)
6/24/2021 8:25	0	0	(a)
6/24/2021 8:26	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 8:27	0	0	(a)
6/24/2021 8:28	0	0	(a)
6/24/2021 8:29	0	0	(a)
6/24/2021 8:30	0	0	(a)
6/24/2021 8:31	0	0	(a)
6/24/2021 8:32	0	0	0.006
6/24/2021 8:33	0	0	(a)
6/24/2021 8:34	0	0	(a)
6/24/2021 8:35	0	0	(a)
6/24/2021 8:36	0	0	(a)
6/24/2021 8:37	0	0	(a)
6/24/2021 8:38	0	0	(a)
6/24/2021 8:39	0	0	(a)
6/24/2021 8:40	0	0	(a)
6/24/2021 8:41	0	0	(a)
6/24/2021 8:42	0	0	(a)
6/24/2021 8:43	0	0	(a)
6/24/2021 8:44	0	0	(a)
6/24/2021 8:45	0	0	(a)
6/24/2021 8:46	0	0	(a)
6/24/2021 8:47	0	0	0.004
6/24/2021 8:48	0	0	(a)
6/24/2021 8:49	0	0	(a)
6/24/2021 8:50	0	0	(a)
6/24/2021 8:51	0	0	(a)
6/24/2021 8:52	0	0	(a)
6/24/2021 8:53	0	0	(a)
6/24/2021 8:54	0	0	(a)
6/24/2021 8:55	0	0	(a)
6/24/2021 8:56	0	0	(a)
6/24/2021 8:57	0	0	(a)
6/24/2021 8:58	0	0	(a)
6/24/2021 8:59	0	0	(a)
6/24/2021 9:00	0	0	(a)
6/24/2021 9:01	0	0	(a)
6/24/2021 9:02	0	0	0.004
6/24/2021 9:03	0	0	(a)
6/24/2021 9:04	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 9:05	0	0	(a)
6/24/2021 9:06	0	0	(a)
6/24/2021 9:07	0	0	(a)
6/24/2021 9:08	0	0	(a)
6/24/2021 9:09	0	0	(a)
6/24/2021 9:10	0	0	(a)
6/24/2021 9:11	0	0	(a)
6/24/2021 9:12	0	0	(a)
6/24/2021 9:13	0	0	(a)
6/24/2021 9:14	0	0	(a)
6/24/2021 9:15	0	0	(a)
6/24/2021 9:16	0	0	(a)
6/24/2021 9:17	0	0	0.003
6/24/2021 9:18	0	0	(a)
6/24/2021 9:19	0	0	(a)
6/24/2021 9:20	0	0	(a)
6/24/2021 9:21	0	0	(a)
6/24/2021 9:22	0	0	(a)
6/24/2021 9:23	0	0	(a)
6/24/2021 9:24	0	0	(a)
6/24/2021 9:25	0	0	(a)
6/24/2021 9:26	0	0	(a)
6/24/2021 9:27	0	0	(a)
6/24/2021 9:28	0	0	(a)
6/24/2021 9:29	0	0	(a)
6/24/2021 9:30	0	0	(a)
6/24/2021 9:31	0	0	(a)
6/24/2021 9:32	0	0	0.005
6/24/2021 9:33	0	0	(a)
6/24/2021 9:34	0	0	(a)
6/24/2021 9:35	0	0	(a)
6/24/2021 9:36	0	0	(a)
6/24/2021 9:37	0	0	(a)
6/24/2021 9:38	0	0	(a)
6/24/2021 9:39	0	0	(a)
6/24/2021 9:40	0	0	(a)
6/24/2021 9:41	0	0	(a)
6/24/2021 9:42	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 9:43	0	0	(a)
6/24/2021 9:44	0	0	(a)
6/24/2021 9:45	0	0	(a)
6/24/2021 9:46	0	0	(a)
6/24/2021 9:47	0	0	0.004
6/24/2021 9:48	0	0	(a)
6/24/2021 9:49	0	0	(a)
6/24/2021 9:50	0	0	(a)
6/24/2021 9:51	0	0	(a)
6/24/2021 9:52	0	0	(a)
6/24/2021 9:53	0	0	(a)
6/24/2021 9:54	0	0	(a)
6/24/2021 9:55	0	0	(a)
6/24/2021 9:56	0	0	(a)
6/24/2021 9:57	0	0	(a)
6/24/2021 9:58	0	0	(a)
6/24/2021 9:59	0	0	(a)
6/24/2021 10:00	0	0	(a)
6/24/2021 10:01	0	0	(a)
6/24/2021 10:02	0	0	0.003
6/24/2021 10:03	0	0	(a)
6/24/2021 10:04	0	0	(a)
6/24/2021 10:05	0	0	(a)
6/24/2021 10:06	0	0	(a)
6/24/2021 10:07	0	0	(a)
6/24/2021 10:08	0	0	(a)
6/24/2021 10:09	0	0	(a)
6/24/2021 10:10	0	0	(a)
6/24/2021 10:11	0	0	(a)
6/24/2021 10:12	0	0	(a)
6/24/2021 10:13	0	0	(a)
6/24/2021 10:14	0	0	(a)
6/24/2021 10:15	0	0	(a)
6/24/2021 10:16	0	0	(a)
6/24/2021 10:17	0	0	0.002
6/24/2021 10:18	0	0	(a)
6/24/2021 10:19	0	0	(a)
6/24/2021 10:20	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 10:21	0	0	(a)
6/24/2021 10:22	0	0	(a)
6/24/2021 10:23	0	0	(a)
6/24/2021 10:24	0	0	(a)
6/24/2021 10:25	0	0	(a)
6/24/2021 10:26	0	0	(a)
6/24/2021 10:27	0	0	(a)
6/24/2021 10:28	0	0	(a)
6/24/2021 10:29	0	0	(a)
6/24/2021 10:30	0	0	(a)
6/24/2021 10:31	0	0	(a)
6/24/2021 10:32	0	0	0.003
6/24/2021 10:33	0	0	(a)
6/24/2021 10:34	0	0	(a)
6/24/2021 10:35	0	0	(a)
6/24/2021 10:36	0	0	(a)
6/24/2021 10:37	0	0	(a)
6/24/2021 10:38	0	0	(a)
6/24/2021 10:39	0	0	(a)
6/24/2021 10:40	0	0	(a)
6/24/2021 10:41	0	0	(a)
6/24/2021 10:42	0	0	(a)
6/24/2021 10:43	0	0	(a)
6/24/2021 10:44	0	0	(a)
6/24/2021 10:45	0	0	(a)
6/24/2021 10:46	0	0	(a)
6/24/2021 10:47	0	0	0.002
6/24/2021 10:48	0	0	(a)
6/24/2021 10:49	0	0	(a)
6/24/2021 10:50	0	0	(a)
6/24/2021 10:51	0	0	(a)
6/24/2021 10:52	0	0	(a)
6/24/2021 10:53	0	0	(a)
6/24/2021 10:54	0	0	(a)
6/24/2021 10:55	0	0	(a)
6/24/2021 10:56	0	0	(a)
6/24/2021 10:57	0	0	(a)
6/24/2021 10:58	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 10:59	0	0	(a)
6/24/2021 11:00	0	0	(a)
6/24/2021 11:01	0	0	(a)
6/24/2021 11:02	0	0	0.001
6/24/2021 11:03	0	0	(a)
6/24/2021 11:04	0	0	(a)
6/24/2021 11:05	0	0	(a)
6/24/2021 11:06	0	0	(a)
6/24/2021 11:07	0	0	(a)
6/24/2021 11:08	0	0	(a)
6/24/2021 11:09	0	0	(a)
6/24/2021 11:10	0	0	(a)
6/24/2021 11:11	0	0	(a)
6/24/2021 11:12	0	0	(a)
6/24/2021 11:13	0	0	(a)
6/24/2021 11:14	0	0	(a)
6/24/2021 11:15	0	0	(a)
6/24/2021 11:16	0	0	(a)
6/24/2021 11:17	0	0	0.002
6/24/2021 11:18	0	0	(a)
6/24/2021 11:19	0	0	(a)
6/24/2021 11:20	0	0	(a)
6/24/2021 11:21	0	0	(a)
6/24/2021 11:22	0	0	(a)
6/24/2021 11:23	0	0	(a)
6/24/2021 11:24	0	0	(a)
6/24/2021 11:25	0	0	(a)
6/24/2021 11:26	0	0	(a)
6/24/2021 11:27	0	0	(a)
6/24/2021 11:28	0	0	(a)
6/24/2021 11:29	0	0	(a)
6/24/2021 11:30	0	0	(a)
6/24/2021 11:31	0	0	(a)
6/24/2021 11:32	0	0	0.001
6/24/2021 11:33	0	0	(a)
6/24/2021 11:34	0	0	(a)
6/24/2021 11:35	0	0	(a)
6/24/2021 11:36	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 11:37	0	0	(a)
6/24/2021 11:38	0	0	(a)
6/24/2021 11:39	0	0	(a)
6/24/2021 11:40	0	0	(a)
6/24/2021 11:41	0	0	(a)
6/24/2021 11:42	0	0	(a)
6/24/2021 11:43	0	0	(a)
6/24/2021 11:44	0	0	(a)
6/24/2021 11:45	0	0	(a)
6/24/2021 11:46	0	0	(a)
6/24/2021 11:47	0	0	0.001
6/24/2021 11:48	0	0	(a)
6/24/2021 11:49	0	0	(a)
6/24/2021 11:50	0	0	(a)
6/24/2021 11:51	0	0	(a)
6/24/2021 11:52	0	0	(a)
6/24/2021 11:53	0	0	(a)
6/24/2021 11:54	0	0	(a)
6/24/2021 11:55	0	0	(a)
6/24/2021 11:56	0	0	(a)
6/24/2021 11:57	0	0	(a)
6/24/2021 11:58	0	0	(a)
6/24/2021 11:59	0	0	(a)
6/24/2021 12:00	0	0	(a)
6/24/2021 12:01	0	0	(a)
6/24/2021 12:02	0	0	0.003
6/24/2021 12:03	0	0	(a)
6/24/2021 12:04	0	0	(a)
6/24/2021 12:05	0	0	(a)
6/24/2021 12:06	0	0	(a)
6/24/2021 12:07	0	0	(a)
6/24/2021 12:08	0	0	(a)
6/24/2021 12:09	0	0	(a)
6/24/2021 12:10	0	0	(a)
6/24/2021 12:11	0	0	(a)
6/24/2021 12:12	0	0	(a)
6/24/2021 12:13	0	0	(a)
6/24/2021 12:14	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 12:15	0	0	(a)
6/24/2021 12:16	0	0	(a)
6/24/2021 12:17	0	0	0.004
6/24/2021 12:18	0	0	(a)
6/24/2021 12:19	0	0	(a)
6/24/2021 12:20	0	0	(a)
6/24/2021 12:21	0	0	(a)
6/24/2021 12:22	0	0	(a)
6/24/2021 12:23	0	0	(a)
6/24/2021 12:24	0	0	(a)
6/24/2021 12:25	0	0	(a)
6/24/2021 12:26	0	0	(a)
6/24/2021 12:27	0	0	(a)
6/24/2021 12:28	0	0	(a)
6/24/2021 12:29	0	0	(a)
6/24/2021 12:30	0	0	(a)
6/24/2021 12:31	0	0	(a)
6/24/2021 12:32	0	0	0.001
6/24/2021 12:33	0	0	(a)
6/24/2021 12:34	0	0	(a)
6/24/2021 12:35	0	0	(a)
6/24/2021 13:05	0	0	(a)
6/24/2021 13:06	0	0	(a)
6/24/2021 13:07	0	0	(a)
6/24/2021 13:08	0	0	(a)
6/24/2021 13:09	0	0	(a)
6/24/2021 13:10	0	0	(a)
6/24/2021 13:11	0	0	(a)
6/24/2021 13:12	0	0	(a)
6/24/2021 13:13	0	0	(a)
6/24/2021 13:14	0	0	(a)
6/24/2021 13:15	0	0	(a)
6/24/2021 13:16	0	0	(a)
6/24/2021 13:17	0	0	0.002
6/24/2021 13:18	0	0	(a)
6/24/2021 13:19	0	0	(a)
6/24/2021 13:20	0	0	(a)
6/24/2021 13:21	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 13:22	0	0	(a)
6/24/2021 13:23	0	0	(a)
6/24/2021 13:24	0	0	(a)
6/24/2021 13:25	0	0	(a)
6/24/2021 13:26	0	0	(a)
6/24/2021 13:27	0	0	(a)
6/24/2021 13:28	0	0	(a)
6/24/2021 13:29	0	0	(a)
6/24/2021 13:30	0	0	(a)
6/24/2021 13:31	0	0	(a)
6/24/2021 13:32	0	0	0.002
6/24/2021 13:33	0	0	(a)
6/24/2021 13:34	0	0	(a)
6/24/2021 13:35	0	0	(a)
6/24/2021 13:36	0	0	(a)
6/24/2021 13:37	0	0	(a)
6/24/2021 13:38	0	0	(a)
6/24/2021 13:39	0	0	(a)
6/24/2021 13:40	0	0	(a)
6/24/2021 13:41	0	0	(a)
6/24/2021 13:42	0	0	(a)
6/24/2021 13:43	0	0	(a)
6/24/2021 13:44	0	0	(a)
6/24/2021 13:45	0	0	(a)
6/24/2021 13:46	0	0	(a)
6/24/2021 13:47	0	0	0.004
6/24/2021 13:48	0	0	(a)
6/24/2021 13:49	0	0	(a)
6/24/2021 13:50	0	0	(a)
6/24/2021 13:51	0	0	(a)
6/24/2021 13:52	0	0	(a)
6/24/2021 13:53	0	0	(a)
6/24/2021 13:54	0	0	(a)
6/24/2021 13:55	0	0	(a)
6/24/2021 13:56	0	0	(a)
6/24/2021 13:57	0	0	(a)
6/24/2021 13:58	0	0	(a)
6/24/2021 13:59	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 14:00	0	0	(a)
6/24/2021 14:01	0	0	(a)
6/24/2021 14:02	0	0	0.002
6/24/2021 14:03	0	0	(a)
6/24/2021 14:04	0	0	(a)
6/24/2021 14:05	0	0	(a)
6/24/2021 14:06	0	0	(a)
6/24/2021 14:07	0	0	(a)
6/24/2021 14:08	0	0	(a)
6/24/2021 14:09	0	0	(a)
6/24/2021 14:10	0	0	(a)
6/24/2021 14:11	0	0	(a)
6/24/2021 14:12	0	0	(a)
6/24/2021 14:13	0	0	(a)
6/24/2021 14:14	0	0	(a)
6/24/2021 14:15	0	0	(a)
6/24/2021 14:16	0	0	(a)
6/24/2021 14:17	0	0	0.003
6/24/2021 14:18	0	0	(a)
6/24/2021 14:19	0	0	(a)
6/24/2021 14:20	0	0	(a)
6/24/2021 14:21	0	0	(a)
6/24/2021 14:22	0	0	(a)
6/24/2021 14:23	0	0	(a)
6/24/2021 14:24	0	0	(a)
6/24/2021 14:25	0	0	(a)
6/24/2021 14:26	0	0	(a)
6/24/2021 14:27	0	0	(a)
6/24/2021 14:28	0	0	(a)
6/24/2021 14:29	0	0	(a)
6/24/2021 14:30	0	0	(a)
6/24/2021 14:31	0	0	(a)
6/24/2021 14:32	0	0	0.003
6/24/2021 14:33	0	0	(a)
6/24/2021 14:34	0	0	(a)
6/24/2021 14:35	0	0	(a)
6/24/2021 14:36	0	0	(a)
6/24/2021 14:37	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/24/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/24/2021 14:38	0	0	(a)
6/24/2021 14:39	0	0	(a)
6/24/2021 14:40	0	0	(a)
6/24/2021 14:41	0	0	(a)
6/24/2021 14:42	0	0	(a)
6/24/2021 14:43	0	0	(a)
6/24/2021 14:44	0	0	(a)
6/24/2021 14:45	0	0	(a)
6/24/2021 14:46	0	0	(a)
6/24/2021 14:47	0	0	0.004
6/24/2021 14:48	0	0	(a)
6/24/2021 14:49	0	0	(a)
6/24/2021 14:50	0	0	(a)
6/24/2021 14:51	0	0	(a)
6/24/2021 14:52	0	0	(a)
6/24/2021 14:53	0	0	(a)
6/24/2021 14:54	0	0	(a)
6/24/2021 14:55	0	0	(a)
6/24/2021 14:56	0	0	(a)
6/24/2021 14:57	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 7:38	0	0	(a)
6/25/2021 7:39	0	0	(a)
6/25/2021 7:40	0	0	(a)
6/25/2021 7:41	0	0	(a)
6/25/2021 7:42	0	0	(a)
6/25/2021 7:43	0	0	(a)
6/25/2021 7:44	0	0	(a)
6/25/2021 7:45	0	0	(a)
6/25/2021 7:46	0	0	(a)
6/25/2021 7:47	0	0	(a)
6/25/2021 7:48	0	0	(a)
6/25/2021 7:49	0	0	(a)
6/25/2021 7:50	0	0	0.007
6/25/2021 7:51	0	0	(a)
6/25/2021 7:52	0	0	(a)
6/25/2021 7:53	0	0	(a)
6/25/2021 7:54	0	0	(a)
6/25/2021 7:55	0	0	(a)
6/25/2021 7:56	0	0	(a)
6/25/2021 7:57	0	0	(a)
6/25/2021 7:58	0	0	(a)
6/25/2021 7:59	0	0	(a)
6/25/2021 8:00	0	0	(a)
6/25/2021 8:01	0	0	(a)
6/25/2021 8:02	0	0	(a)
6/25/2021 8:03	0	0	(a)
6/25/2021 8:04	0	0	(a)
6/25/2021 8:05	0	0	0.004
6/25/2021 8:06	0	0	(a)
6/25/2021 8:07	0	0	(a)
6/25/2021 8:08	0	0	(a)
6/25/2021 8:09	0	0	(a)
6/25/2021 8:10	0	0	(a)
6/25/2021 8:11	0	0	(a)
6/25/2021 8:12	0	0	(a)
6/25/2021 8:13	0	0	(a)
6/25/2021 8:14	0	0	(a)
6/25/2021 8:15	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 8:16	0	0	(a)
6/25/2021 8:17	0	0	(a)
6/25/2021 8:18	0	0	(a)
6/25/2021 8:19	0	0	(a)
6/25/2021 8:20	0	0	0.005
6/25/2021 8:21	0	0	(a)
6/25/2021 8:22	0	0	(a)
6/25/2021 8:23	0	0	(a)
6/25/2021 8:24	0	0	(a)
6/25/2021 8:25	0	0	(a)
6/25/2021 8:26	0	0	(a)
6/25/2021 8:27	0	0	(a)
6/25/2021 8:28	0	0	(a)
6/25/2021 8:29	0	0	(a)
6/25/2021 8:30	0	0	(a)
6/25/2021 8:31	0	0	(a)
6/25/2021 8:32	0	0	(a)
6/25/2021 8:33	0	0	(a)
6/25/2021 8:34	0	0	(a)
6/25/2021 8:35	0	0	0.005
6/25/2021 8:36	0	0	(a)
6/25/2021 8:37	0	0	(a)
6/25/2021 8:38	0	0	(a)
6/25/2021 8:39	0	0	(a)
6/25/2021 8:40	0	0	(a)
6/25/2021 8:41	0	0	(a)
6/25/2021 8:42	0	0	(a)
6/25/2021 8:43	0	0	(a)
6/25/2021 8:44	0	0	(a)
6/25/2021 8:45	0	0	(a)
6/25/2021 8:46	0	0	(a)
6/25/2021 8:47	0	0	(a)
6/25/2021 8:48	0	0	(a)
6/25/2021 8:49	0	0	(a)
6/25/2021 8:50	0	0	0.004
6/25/2021 8:51	0	0	(a)
6/25/2021 8:52	0	0	(a)
6/25/2021 8:53	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 8:54	0	0	(a)
6/25/2021 8:55	0	0	(a)
6/25/2021 8:56	0	0	(a)
6/25/2021 8:57	0	0	(a)
6/25/2021 8:58	0	0	(a)
6/25/2021 8:59	0	0	(a)
6/25/2021 9:00	0	0	(a)
6/25/2021 9:01	0	0	(a)
6/25/2021 9:02	0	0	(a)
6/25/2021 9:03	0	0	(a)
6/25/2021 9:04	0	0	(a)
6/25/2021 9:05	0	0	0.005
6/25/2021 9:06	0	0	(a)
6/25/2021 9:07	0	0	(a)
6/25/2021 9:08	0	0	(a)
6/25/2021 9:09	0	0	(a)
6/25/2021 9:10	0	0	(a)
6/25/2021 9:11	0	0	(a)
6/25/2021 9:12	0	0	(a)
6/25/2021 9:13	0	0	(a)
6/25/2021 9:14	0	0	(a)
6/25/2021 9:15	0	0	(a)
6/25/2021 9:16	0	0	(a)
6/25/2021 9:17	0	0	(a)
6/25/2021 9:18	0	0	(a)
6/25/2021 9:19	0	0	(a)
6/25/2021 9:20	0	0	0.006
6/25/2021 9:21	0	0	(a)
6/25/2021 9:22	0	0	(a)
6/25/2021 9:23	0	0	(a)
6/25/2021 9:24	0	0	(a)
6/25/2021 9:25	0	0	(a)
6/25/2021 9:26	0	0	(a)
6/25/2021 9:27	0	0	(a)
6/25/2021 9:28	0	0	(a)
6/25/2021 9:29	0	0	(a)
6/25/2021 9:30	0	0	(a)
6/25/2021 9:31	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 9:32	0	0	(a)
6/25/2021 9:33	0	0	(a)
6/25/2021 9:34	0	0	(a)
6/25/2021 9:35	0	0	0.004
6/25/2021 9:36	0	0	(a)
6/25/2021 9:37	0	0	(a)
6/25/2021 9:38	0	0	(a)
6/25/2021 9:39	0	0	(a)
6/25/2021 9:40	0	0	(a)
6/25/2021 9:41	0	0	(a)
6/25/2021 9:42	0	0	(a)
6/25/2021 9:43	0	0	(a)
6/25/2021 9:44	0	0	(a)
6/25/2021 9:45	0	0	(a)
6/25/2021 9:46	0	0	(a)
6/25/2021 9:47	0	0	(a)
6/25/2021 9:48	0	0	(a)
6/25/2021 9:49	0	0	(a)
6/25/2021 9:50	0	0	0.004
6/25/2021 9:51	0	0	(a)
6/25/2021 9:52	0	0	(a)
6/25/2021 9:53	0	0	(a)
6/25/2021 9:54	0	0	(a)
6/25/2021 9:55	0	0	(a)
6/25/2021 9:56	0	0	(a)
6/25/2021 9:57	0	0	(a)
6/25/2021 9:58	0	0	(a)
6/25/2021 9:59	0	0	(a)
6/25/2021 10:00	0	0	(a)
6/25/2021 10:01	0	0	(a)
6/25/2021 10:02	0	0	(a)
6/25/2021 10:03	0	0	(a)
6/25/2021 10:04	0	0	(a)
6/25/2021 10:05	0	0	0.005
6/25/2021 10:06	0	0	(a)
6/25/2021 10:07	0	0	(a)
6/25/2021 10:08	0	0	(a)
6/25/2021 10:09	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 10:10	0	0	(a)
6/25/2021 10:11	0	0	(a)
6/25/2021 10:12	0	0	(a)
6/25/2021 10:13	0	0	(a)
6/25/2021 10:14	0	0	(a)
6/25/2021 10:15	0	0	(a)
6/25/2021 10:16	0	0	(a)
6/25/2021 10:17	0	0	(a)
6/25/2021 10:18	0	0	(a)
6/25/2021 10:19	0	0	(a)
6/25/2021 10:20	0	0	0.004
6/25/2021 10:21	0	0	(a)
6/25/2021 10:22	0	0	(a)
6/25/2021 10:23	0	0	(a)
6/25/2021 10:24	0	0	(a)
6/25/2021 10:25	0	0	(a)
6/25/2021 10:26	0	0	(a)
6/25/2021 10:27	0	0	(a)
6/25/2021 10:28	0	0	(a)
6/25/2021 10:29	0	0	(a)
6/25/2021 10:30	0	0	(a)
6/25/2021 10:31	0	0	(a)
6/25/2021 10:32	0	0	(a)
6/25/2021 10:33	0	0	(a)
6/25/2021 10:34	0	0	(a)
6/25/2021 10:35	0	0	0.004
6/25/2021 10:36	0	0	(a)
6/25/2021 10:37	0	0	(a)
6/25/2021 10:38	0	0	(a)
6/25/2021 10:39	0	0	(a)
6/25/2021 10:40	0	0	(a)
6/25/2021 10:41	0	0	(a)
6/25/2021 10:42	0	0	(a)
6/25/2021 10:43	0	0	(a)
6/25/2021 10:44	0	0	(a)
6/25/2021 10:45	0	0	(a)
6/25/2021 10:46	0	0	(a)
6/25/2021 10:47	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/25/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/25/2021 10:48	0	0	(a)
6/25/2021 10:49	0	0	(a)
6/25/2021 10:50	0	0	0.004
6/25/2021 10:51	0	0	(a)
6/25/2021 10:52	0	0	(a)
6/25/2021 10:53	0	0	(a)
6/25/2021 10:54	0	0	(a)
6/25/2021 10:55	0	0	(a)
6/25/2021 10:56	0	0	(a)
6/25/2021 10:57	0	0	(a)
6/25/2021 10:58	0	0	(a)
6/25/2021 10:59	0	0	(a)
6/25/2021 11:00	0	0	(a)
6/25/2021 11:01	0	0	(a)
6/25/2021 11:02	0	0	(a)
6/25/2021 11:03	0	0	(a)
6/25/2021 11:04	0	0	0.004
6/25/2021 11:05	0	0	(a)
6/25/2021 11:06	0	0	(a)
6/25/2021 11:07	0	0	(a)
6/25/2021 11:08	0	0	(a)
6/25/2021 11:09	0	0	(a)
6/25/2021 11:10	0	0	(a)
6/25/2021 11:11	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 8:09	0	0	(a)
6/28/2021 8:10	0	0	(a)
6/28/2021 8:11	0	0	(a)
6/28/2021 8:12	0	0	(a)
6/28/2021 8:13	0	0	(a)
6/28/2021 8:14	0	0	(a)
6/28/2021 8:15	0	0	(a)
6/28/2021 8:16	0	0	(a)
6/28/2021 8:17	0	0	(a)
6/28/2021 8:18	0	0	(a)
6/28/2021 8:19	0	0	(a)
6/28/2021 8:20	0	0	0.011
6/28/2021 8:21	0	0	(a)
6/28/2021 8:22	0	0	(a)
6/28/2021 8:23	0	0	(a)
6/28/2021 8:24	0	0	(a)
6/28/2021 8:25	0	0	(a)
6/28/2021 8:26	0	0	(a)
6/28/2021 8:27	0	0	(a)
6/28/2021 8:28	0	0	(a)
6/28/2021 8:29	0	0	(a)
6/28/2021 8:30	0	0	(a)
6/28/2021 8:31	0	0	(a)
6/28/2021 8:32	0	0	(a)
6/28/2021 8:33	0	0	(a)
6/28/2021 8:34	0	0	(a)
6/28/2021 8:35	0	0	0.007
6/28/2021 8:36	0	0	(a)
6/28/2021 8:37	0	0	(a)
6/28/2021 8:38	0	0	(a)
6/28/2021 8:39	0	0	(a)
6/28/2021 8:40	0	0	(a)
6/28/2021 8:41	0	0	(a)
6/28/2021 8:42	0	0	(a)
6/28/2021 8:43	0	0	(a)
6/28/2021 8:44	0	0	(a)
6/28/2021 8:45	0	0	(a)
6/28/2021 8:46	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 8:47	0	0	(a)
6/28/2021 8:48	0	0	(a)
6/28/2021 8:49	0	0	(a)
6/28/2021 8:50	0	0	0.008
6/28/2021 8:51	0	0	(a)
6/28/2021 8:52	0	0	(a)
6/28/2021 8:53	0	0	(a)
6/28/2021 8:54	0	0	(a)
6/28/2021 8:55	0	0	(a)
6/28/2021 8:56	0	0	(a)
6/28/2021 8:57	0	0	(a)
6/28/2021 8:58	0	0	(a)
6/28/2021 8:59	0	0	(a)
6/28/2021 9:00	0	0	(a)
6/28/2021 9:01	0	0	(a)
6/28/2021 9:02	0	0	(a)
6/28/2021 9:03	0	0	(a)
6/28/2021 9:04	0	0	(a)
6/28/2021 9:05	0	0	0.006
6/28/2021 9:06	0	0	(a)
6/28/2021 9:07	0	0	(a)
6/28/2021 9:08	0	0	(a)
6/28/2021 9:09	0	0	(a)
6/28/2021 9:10	0	0	(a)
6/28/2021 9:11	0	0	(a)
6/28/2021 9:12	0	0	(a)
6/28/2021 9:13	0	0	(a)
6/28/2021 9:14	0	0	(a)
6/28/2021 9:15	0	0	(a)
6/28/2021 9:16	0	0	(a)
6/28/2021 9:17	0	0	(a)
6/28/2021 9:18	0	0	(a)
6/28/2021 9:19	0	0	(a)
6/28/2021 9:20	0	0	0.006
6/28/2021 9:21	0	0	(a)
6/28/2021 9:22	0	0	(a)
6/28/2021 9:23	0	0	(a)
6/28/2021 9:24	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 9:25	0	0	(a)
6/28/2021 9:26	0	0	(a)
6/28/2021 9:27	0	0	(a)
6/28/2021 9:28	0	0	(a)
6/28/2021 9:29	0	0	(a)
6/28/2021 9:30	0	0	(a)
6/28/2021 9:31	0	0	(a)
6/28/2021 9:32	0	0	(a)
6/28/2021 9:33	0	0	(a)
6/28/2021 9:34	0	0	(a)
6/28/2021 9:35	0	0	0.007
6/28/2021 9:36	0	0	(a)
6/28/2021 9:37	0	0	(a)
6/28/2021 9:38	0	0	(a)
6/28/2021 9:39	0	0	(a)
6/28/2021 9:40	0	0	(a)
6/28/2021 9:41	0	0	(a)
6/28/2021 9:42	0	0	(a)
6/28/2021 9:43	0	0	(a)
6/28/2021 9:44	0	0	(a)
6/28/2021 9:45	0	0	(a)
6/28/2021 9:46	0	0	(a)
6/28/2021 9:47	0	0	(a)
6/28/2021 9:48	0	0	(a)
6/28/2021 9:49	0	0	(a)
6/28/2021 9:50	0	0	0.009
6/28/2021 9:51	0	0	(a)
6/28/2021 9:52	0	0	(a)
6/28/2021 9:53	0	0	(a)
6/28/2021 9:54	0	0	(a)
6/28/2021 9:55	0	0	(a)
6/28/2021 9:56	0	0	(a)
6/28/2021 9:57	0	0	(a)
6/28/2021 9:58	0	0	(a)
6/28/2021 9:59	0	0	(a)
6/28/2021 10:00	0	0	(a)
6/28/2021 10:01	0	0	(a)
6/28/2021 10:02	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 10:03	0	0	(a)
6/28/2021 10:04	0	0	(a)
6/28/2021 10:05	0	0	0.008
6/28/2021 10:06	0	0	(a)
6/28/2021 10:07	0	0	(a)
6/28/2021 10:08	0	0	(a)
6/28/2021 10:09	0	0	(a)
6/28/2021 10:10	0	0	(a)
6/28/2021 10:11	0	0	(a)
6/28/2021 10:12	0	0	(a)
6/28/2021 10:13	0	0	(a)
6/28/2021 10:14	0	0	(a)
6/28/2021 10:15	0	0	(a)
6/28/2021 10:16	0	0	(a)
6/28/2021 10:17	0	0	(a)
6/28/2021 10:18	0	0	(a)
6/28/2021 10:19	0	0	(a)
6/28/2021 10:20	0	0	0.008
6/28/2021 10:21	0	0	(a)
6/28/2021 10:22	0	0	(a)
6/28/2021 10:23	0	0	(a)
6/28/2021 10:24	0	0	(a)
6/28/2021 10:25	0	0	(a)
6/28/2021 10:26	0	0	(a)
6/28/2021 10:27	0	0	(a)
6/28/2021 10:28	0	0	(a)
6/28/2021 10:29	0	0	(a)
6/28/2021 10:30	0	0	(a)
6/28/2021 10:31	0	0	(a)
6/28/2021 10:32	0	0	(a)
6/28/2021 10:33	0	0	(a)
6/28/2021 10:34	0	0	(a)
6/28/2021 10:35	0	0	0.008
6/28/2021 10:36	0	0	(a)
6/28/2021 10:37	0	0	(a)
6/28/2021 10:38	0	0	(a)
6/28/2021 10:39	0	0	(a)
6/28/2021 10:40	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 10:41	0	0	(a)
6/28/2021 10:42	0	0	(a)
6/28/2021 10:43	0	0	(a)
6/28/2021 10:44	0	0	(a)
6/28/2021 10:45	0	0	(a)
6/28/2021 10:46	0	0	(a)
6/28/2021 10:47	0	0	(a)
6/28/2021 10:48	0	0	(a)
6/28/2021 10:49	0	0	(a)
6/28/2021 10:50	0	0	0.006
6/28/2021 10:51	0	0	(a)
6/28/2021 10:52	0	0	(a)
6/28/2021 10:53	0	0	(a)
6/28/2021 10:54	0	0	(a)
6/28/2021 10:55	0	0	(a)
6/28/2021 10:56	0	0	(a)
6/28/2021 10:57	0	0	(a)
6/28/2021 10:58	0	0	(a)
6/28/2021 10:59	0	0	(a)
6/28/2021 11:00	0	0	(a)
6/28/2021 11:01	0	0	(a)
6/28/2021 11:02	0	0	(a)
6/28/2021 11:03	0	0	(a)
6/28/2021 11:04	0	0	(a)
6/28/2021 11:05	0	0	0.012
6/28/2021 11:06	0	0	(a)
6/28/2021 11:07	0	0	(a)
6/28/2021 11:08	0	0	(a)
6/28/2021 11:09	0	0	(a)
6/28/2021 11:10	0	0	(a)
6/28/2021 11:11	0	0	(a)
6/28/2021 11:12	0	0	(a)
6/28/2021 11:13	0	0	(a)
6/28/2021 11:14	0	0	(a)
6/28/2021 11:15	0	0	(a)
6/28/2021 11:16	0	0	(a)
6/28/2021 11:17	0	0	(a)
6/28/2021 11:18	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 11:19	0	0	(a)
6/28/2021 11:20	0	0	0.008
6/28/2021 11:21	0	0	(a)
6/28/2021 11:22	0	0	(a)
6/28/2021 11:23	0	0	(a)
6/28/2021 11:24	0	0	(a)
6/28/2021 11:25	0	0	(a)
6/28/2021 11:26	0	0	(a)
6/28/2021 11:27	0	0	(a)
6/28/2021 11:28	0	0	(a)
6/28/2021 11:29	0	0	(a)
6/28/2021 11:30	0	0	(a)
6/28/2021 11:31	0	0	(a)
6/28/2021 11:32	0	0	(a)
6/28/2021 11:33	0	0	(a)
6/28/2021 11:34	0	0	(a)
6/28/2021 11:35	0	0	0.007
6/28/2021 11:36	0	0	(a)
6/28/2021 11:37	0	0	(a)
6/28/2021 11:38	0	0	(a)
6/28/2021 11:39	0	0	(a)
6/28/2021 11:40	0	0	(a)
6/28/2021 11:41	0	0	(a)
6/28/2021 11:42	0	0	(a)
6/28/2021 11:43	0	0	(a)
6/28/2021 11:44	0	0	(a)
6/28/2021 11:45	0	0	(a)
6/28/2021 11:46	0	0	(a)
6/28/2021 11:47	0	0	(a)
6/28/2021 11:48	0	0	(a)
6/28/2021 11:49	0	0	(a)
6/28/2021 11:50	0	0	0.01
6/28/2021 11:51	0	0	(a)
6/28/2021 11:52	0	0	(a)
6/28/2021 11:53	0	0	(a)
6/28/2021 11:54	0	0	(a)
6/28/2021 11:55	0	0	(a)
6/28/2021 11:56	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 11:57	0	0	(a)
6/28/2021 11:58	0	0	(a)
6/28/2021 11:59	0	0	(a)
6/28/2021 12:00	0	0	(a)
6/28/2021 12:01	0	0	(a)
6/28/2021 12:02	0	0	(a)
6/28/2021 12:03	0	0	(a)
6/28/2021 12:04	0	0	(a)
6/28/2021 12:05	0	0	0.01
6/28/2021 12:06	0	0	(a)
6/28/2021 12:07	0	0	(a)
6/28/2021 12:08	0	0	(a)
6/28/2021 12:09	0	0	(a)
6/28/2021 12:10	0	0	(a)
6/28/2021 12:11	0	0	(a)
6/28/2021 12:12	0	0	(a)
6/28/2021 12:13	0	0	(a)
6/28/2021 12:14	0	0	(a)
6/28/2021 12:15	0	0	(a)
6/28/2021 12:16	0	0	(a)
6/28/2021 12:17	0	0	(a)
6/28/2021 12:18	0	0	(a)
6/28/2021 12:19	0	0	(a)
6/28/2021 12:20	0	0	0.008
6/28/2021 12:21	0	0	(a)
6/28/2021 12:22	0	0	(a)
6/28/2021 12:23	0	0	(a)
6/28/2021 12:24	0	0	(a)
6/28/2021 12:25	0	0	(a)
6/28/2021 12:26	0	0	(a)
6/28/2021 12:27	0	0	(a)
6/28/2021 12:28	0	0	(a)
6/28/2021 12:29	0	0	(a)
6/28/2021 12:30	0	0	(a)
6/28/2021 12:31	0	0	(a)
6/28/2021 12:32	0	0	(a)
6/28/2021 12:33	0	0	(a)
6/28/2021 12:34	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 12:35	0	0	0.007
6/28/2021 12:36	0	0	(a)
6/28/2021 12:37	0	0	(a)
6/28/2021 12:38	0	0	(a)
6/28/2021 12:39	0	0	(a)
6/28/2021 12:40	0	0	(a)
6/28/2021 12:41	0	0	(a)
6/28/2021 12:42	0	0	(a)
6/28/2021 12:43	0	0	(a)
6/28/2021 12:44	0	0	(a)
6/28/2021 12:45	0	0	(a)
6/28/2021 12:46	0	0	(a)
6/28/2021 12:47	0	0	(a)
6/28/2021 12:48	0	0	(a)
6/28/2021 12:49	0	0	(a)
6/28/2021 12:50	0	0	0.007
6/28/2021 12:51	0	0	(a)
6/28/2021 12:52	0	0	(a)
6/28/2021 12:53	0	0	(a)
6/28/2021 12:54	0	0	(a)
6/28/2021 12:55	0	0	(a)
6/28/2021 12:56	0	0	(a)
6/28/2021 12:57	0	0	(a)
6/28/2021 13:57	0	0	(a)
6/28/2021 13:58	0	0	(a)
6/28/2021 13:59	0	0	(a)
6/28/2021 14:00	0	0	(a)
6/28/2021 14:01	0	0	(a)
6/28/2021 14:02	0	0	(a)
6/28/2021 14:03	0	0	(a)
6/28/2021 14:04	0	0	(a)
6/28/2021 14:05	0	0	(a)
6/28/2021 14:06	0	0	(a)
6/28/2021 14:07	0	0	(a)
6/28/2021 14:08	0	0	(a)
6/28/2021 14:09	0	0	0.01
6/28/2021 14:10	0	0	(a)
6/28/2021 14:11	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/28/2021 14:12	0	0	(a)
6/28/2021 14:13	0	0	(a)
6/28/2021 14:14	0	0	(a)
6/28/2021 14:15	0	0	(a)
6/28/2021 14:16	0	0	(a)
6/28/2021 14:17	0	0	(a)
6/28/2021 14:18	0	0	(a)
6/28/2021 14:19	0	0	(a)
6/28/2021 14:20	0	0	(a)
6/28/2021 14:21	0	0	(a)
6/28/2021 14:22	0	0	(a)
6/28/2021 14:23	0	0	(a)
6/28/2021 14:24	0	0	0.005
6/28/2021 14:25	0	0	(a)
6/28/2021 14:26	0	0	(a)
6/28/2021 14:27	0	0	(a)
6/28/2021 14:28	0	0	(a)
6/28/2021 14:29	0	0	(a)
6/28/2021 14:30	0	0	(a)
6/28/2021 14:31	0	0	(a)
6/28/2021 14:32	0	0	(a)
6/28/2021 14:33	0	0	(a)
6/28/2021 14:34	0	0	(a)
6/28/2021 14:35	0	0	(a)
6/28/2021 14:36	0	0	(a)
6/28/2021 14:37	0	0	(a)
6/28/2021 14:38	0	0	(a)
6/28/2021 14:39	0	0	(a)
6/28/2021 14:40	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 7:40	0	0	0.014
6/29/2021 7:41	0	0	(a)
6/29/2021 7:42	0	0	(a)
6/29/2021 7:43	0	0	(a)
6/29/2021 7:44	0	0	(a)
6/29/2021 7:45	0	0	(a)
6/29/2021 7:46	0	0	(a)
6/29/2021 7:47	0	0	(a)
6/29/2021 7:48	0	0	(a)
6/29/2021 7:49	0	0	(a)
6/29/2021 7:50	0	0	(a)
6/29/2021 7:51	0	0	(a)
6/29/2021 7:52	0	0	(a)
6/29/2021 7:53	0	0	(a)
6/29/2021 7:54	0	0	(a)
6/29/2021 7:55	0	0	(a)
6/29/2021 7:56	0	0	(a)
6/29/2021 7:57	0	0	(a)
6/29/2021 7:58	0	0	(a)
6/29/2021 7:59	0	0	(a)
6/29/2021 8:00	0	0	(a)
6/29/2021 8:01	0	0	(a)
6/29/2021 8:02	0	0	(a)
6/29/2021 8:03	0	0	(a)
6/29/2021 8:04	0	0	(a)
6/29/2021 8:05	0	0	(a)
6/29/2021 8:06	0	0	(a)
6/29/2021 8:07	0	0	(a)
6/29/2021 8:08	0	0	(a)
6/29/2021 8:09	0	0	(a)
6/29/2021 8:10	0	0	(a)
6/29/2021 8:11	0	0	(a)
6/29/2021 8:12	0	0	(a)
6/29/2021 8:13	0	0	(a)
6/29/2021 8:14	0	0	(a)
6/29/2021 8:15	0	0	(a)
6/29/2021 8:16	0	0	(a)
6/29/2021 8:17	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 8:18	0	0	(a)
6/29/2021 8:19	0	0	(a)
6/29/2021 8:20	0	0	0.018
6/29/2021 8:21	0	0	(a)
6/29/2021 8:22	0	0	(a)
6/29/2021 8:23	0	0	(a)
6/29/2021 8:24	0	0	(a)
6/29/2021 8:25	0	0	(a)
6/29/2021 8:26	0	0	(a)
6/29/2021 8:27	0	0	(a)
6/29/2021 8:28	0	0	(a)
6/29/2021 8:29	0	0	(a)
6/29/2021 8:30	0	0	(a)
6/29/2021 8:31	0	0	(a)
6/29/2021 8:32	0	0	(a)
6/29/2021 8:33	0	0	(a)
6/29/2021 8:34	0	0	(a)
6/29/2021 8:35	0	0	(a)
6/29/2021 8:36	0	0	(a)
6/29/2021 8:37	0	0	(a)
6/29/2021 8:38	0	0	(a)
6/29/2021 8:39	0	0	(a)
6/29/2021 8:40	0	0	(a)
6/29/2021 8:41	0	0	(a)
6/29/2021 8:42	0	0	(a)
6/29/2021 8:43	0	0	(a)
6/29/2021 8:44	0	0	(a)
6/29/2021 8:45	0	0	(a)
6/29/2021 8:46	0	0	(a)
6/29/2021 8:47	0	0	(a)
6/29/2021 8:48	0	0	(a)
6/29/2021 8:49	0	0	(a)
6/29/2021 8:50	0	0	(a)
6/29/2021 8:51	0	0	(a)
6/29/2021 8:52	0	0	(a)
6/29/2021 8:53	0	0	(a)
6/29/2021 8:54	0	0	(a)
6/29/2021 8:55	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 8:56	0	0	(a)
6/29/2021 8:57	0	0	(a)
6/29/2021 8:58	0	0	(a)
6/29/2021 8:59	0	0	(a)
6/29/2021 9:00	0	0	(a)
6/29/2021 9:01	0	0	(a)
6/29/2021 9:02	0	0	(a)
6/29/2021 9:03	0	0	(a)
6/29/2021 9:04	0	0	(a)
6/29/2021 9:05	0	0	(a)
6/29/2021 9:06	0	0	(a)
6/29/2021 9:07	0	0	(a)
6/29/2021 9:08	0	0	(a)
6/29/2021 9:09	0	0	(a)
6/29/2021 9:10	0	0	(a)
6/29/2021 9:11	0	0	(a)
6/29/2021 9:12	0	0	(a)
6/29/2021 9:13	0	0	(a)
6/29/2021 9:14	0	0	(a)
6/29/2021 9:15	0	0	(a)
6/29/2021 9:16	0	0	(a)
6/29/2021 9:17	0	0	(a)
6/29/2021 9:18	0	0	(a)
6/29/2021 9:19	0	0	(a)
6/29/2021 9:20	0	0	(a)
6/29/2021 9:21	0	0	(a)
6/29/2021 9:22	0	0	(a)
6/29/2021 9:23	0	0	(a)
6/29/2021 9:24	0	0	(a)
6/29/2021 9:25	0	0	(a)
6/29/2021 9:26	0	0	(a)
6/29/2021 9:27	0	0	(a)
6/29/2021 9:28	0	0	(a)
6/29/2021 9:29	0	0	(a)
6/29/2021 9:30	0	0	(a)
6/29/2021 9:31	0	0	(a)
6/29/2021 9:32	0	0	(a)
6/29/2021 9:33	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 9:34	0	0	(a)
6/29/2021 9:35	0	0	(a)
6/29/2021 9:36	0	0	(a)
6/29/2021 9:37	0	0	(a)
6/29/2021 9:38	0	0	(a)
6/29/2021 9:39	0	0	(a)
6/29/2021 9:40	0	0	(a)
6/29/2021 9:41	0	0	(a)
6/29/2021 9:42	0	0	(a)
6/29/2021 9:43	0	0	(a)
6/29/2021 9:44	0	0	(a)
6/29/2021 9:45	0	0	(a)
6/29/2021 9:46	0	0	(a)
6/29/2021 9:47	0	0	(a)
6/29/2021 9:48	0	0	(a)
6/29/2021 9:49	0	0	(a)
6/29/2021 9:50	0	0	(a)
6/29/2021 9:51	0	0	0.021
6/29/2021 9:52	0	0	(a)
6/29/2021 9:53	0	0	(a)
6/29/2021 9:54	0	0	(a)
6/29/2021 9:55	0	0	(a)
6/29/2021 9:56	0	0	(a)
6/29/2021 9:57	0	0	(a)
6/29/2021 9:58	0	0	(a)
6/29/2021 9:59	0	0	(a)
6/29/2021 10:00	0	0	(a)
6/29/2021 10:01	0	0	(a)
6/29/2021 10:02	0	0	(a)
6/29/2021 10:03	0	0	(a)
6/29/2021 10:04	0	0	(a)
6/29/2021 10:05	0	0	(a)
6/29/2021 10:06	0	0	(a)
6/29/2021 10:07	0	0	(a)
6/29/2021 10:08	0	0	(a)
6/29/2021 10:09	0	0	(a)
6/29/2021 10:10	0	0	(a)
6/29/2021 10:11	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 10:12	0	0	(a)
6/29/2021 10:13	0	0	(a)
6/29/2021 10:14	0	0	(a)
6/29/2021 10:15	0	0	(a)
6/29/2021 10:16	0	0	(a)
6/29/2021 10:17	0	0	(a)
6/29/2021 10:18	0	0	(a)
6/29/2021 10:19	0	0	(a)
6/29/2021 10:20	0	0	(a)
6/29/2021 10:21	0	0	(a)
6/29/2021 10:22	0	0	(a)
6/29/2021 10:23	0	0	(a)
6/29/2021 10:24	0	0	(a)
6/29/2021 10:25	0	0	(a)
6/29/2021 10:26	0	0	(a)
6/29/2021 10:27	0	0	(a)
6/29/2021 10:28	0	0	(a)
6/29/2021 10:29	0	0	(a)
6/29/2021 10:30	0	0	(a)
6/29/2021 10:31	0	0	(a)
6/29/2021 10:32	0	0	(a)
6/29/2021 10:33	0	0	(a)
6/29/2021 10:34	0	0	(a)
6/29/2021 10:35	0	0	(a)
6/29/2021 10:36	0	0	(a)
6/29/2021 10:37	0	0	(a)
6/29/2021 10:38	0	0	(a)
6/29/2021 10:39	0	0	(a)
6/29/2021 10:40	0	0	(a)
6/29/2021 10:41	0	0	(a)
6/29/2021 10:42	0	0	(a)
6/29/2021 10:43	0	0	(a)
6/29/2021 10:44	0	0	(a)
6/29/2021 10:45	0	0	(a)
6/29/2021 10:46	0	0	(a)
6/29/2021 10:47	0	0	(a)
6/29/2021 10:48	0	0	(a)
6/29/2021 10:49	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 10:50	0	0	(a)
6/29/2021 10:51	0	0	(a)
6/29/2021 10:52	0	0	(a)
6/29/2021 10:53	0	0	(a)
6/29/2021 10:54	0	0	(a)
6/29/2021 10:55	0	0	(a)
6/29/2021 10:56	0	0	(a)
6/29/2021 10:57	0	0	(a)
6/29/2021 10:58	0	0	(a)
6/29/2021 10:59	0	0	(a)
6/29/2021 11:00	0	0	(a)
6/29/2021 11:01	0	0	(a)
6/29/2021 11:02	0	0	(a)
6/29/2021 11:03	0	0	(a)
6/29/2021 11:04	0	0	(a)
6/29/2021 11:05	0	0	(a)
6/29/2021 11:06	0	0	(a)
6/29/2021 11:07	0	0	(a)
6/29/2021 11:08	0	0	(a)
6/29/2021 11:09	0	0	(a)
6/29/2021 11:10	0	0	(a)
6/29/2021 11:11	0	0	(a)
6/29/2021 11:12	0	0	0.018
6/29/2021 11:13	0	0	(a)
6/29/2021 11:14	0	0	(a)
6/29/2021 11:15	0	0	(a)
6/29/2021 11:16	0	0	(a)
6/29/2021 11:17	0	0	(a)
6/29/2021 11:18	0	0	(a)
6/29/2021 11:19	0	0	(a)
6/29/2021 11:20	0	0	(a)
6/29/2021 11:21	0	0	(a)
6/29/2021 11:22	0	0	(a)
6/29/2021 11:23	0	0	(a)
6/29/2021 11:24	0	0	(a)
6/29/2021 11:25	0	0	(a)
6/29/2021 11:26	0	0	(a)
6/29/2021 11:27	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 11:28	0	0	(a)
6/29/2021 11:29	0	0	(a)
6/29/2021 11:30	0	0	(a)
6/29/2021 11:31	0	0	(a)
6/29/2021 11:32	0	0	(a)
6/29/2021 11:33	0	0	(a)
6/29/2021 11:34	0	0	(a)
6/29/2021 11:35	0	0	(a)
6/29/2021 11:36	0	0	(a)
6/29/2021 11:37	0	0	(a)
6/29/2021 11:38	0	0	(a)
6/29/2021 11:39	0	0	(a)
6/29/2021 11:40	0	0	(a)
6/29/2021 11:41	0	0	(a)
6/29/2021 11:42	0	0	(a)
6/29/2021 11:43	0	0	(a)
6/29/2021 11:44	0	0	(a)
6/29/2021 11:45	0	0	(a)
6/29/2021 11:46	0	0	(a)
6/29/2021 11:47	0	0	(a)
6/29/2021 11:48	0	0	(a)
6/29/2021 11:49	0	0	(a)
6/29/2021 11:50	0	0	(a)
6/29/2021 11:51	0	0	(a)
6/29/2021 11:52	0	0	(a)
6/29/2021 11:53	0	0	(a)
6/29/2021 11:54	0	0	(a)
6/29/2021 11:55	0	0	(a)
6/29/2021 11:56	0	0	(a)
6/29/2021 11:57	0	0	(a)
6/29/2021 11:58	0	0	(a)
6/29/2021 11:59	0	0	(a)
6/29/2021 12:00	0	0	(a)
6/29/2021 12:01	0	0	(a)
6/29/2021 12:02	0	0	(a)
6/29/2021 12:03	0	0	(a)
6/29/2021 12:04	0	0	(a)
6/29/2021 12:05	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 12:06	0	0	(a)
6/29/2021 12:07	0	0	(a)
6/29/2021 12:08	0	0	(a)
6/29/2021 12:09	0	0	(a)
6/29/2021 12:10	0	0	(a)
6/29/2021 12:21	0	0	(a)
6/29/2021 12:22	0	0	(a)
6/29/2021 12:23	0	0	(a)
6/29/2021 12:24	0	0	(a)
6/29/2021 12:25	0	0	(a)
6/29/2021 12:26	0	0	(a)
6/29/2021 12:27	0	0	(a)
6/29/2021 12:28	0	0	(a)
6/29/2021 12:29	0	0	(a)
6/29/2021 12:30	0	0	(a)
6/29/2021 12:31	0	0	0.011
6/29/2021 12:32	0	0	(b)
6/29/2021 12:33	0	0	(b)
6/29/2021 12:34	0	0	(b)
6/29/2021 12:35	0	0	(b)
6/29/2021 12:36	0	0	(b)
6/29/2021 12:37	0	0	(b)
6/29/2021 12:38	0	0	(b)
6/29/2021 12:39	0	0	(b)
6/29/2021 12:40	0	0	(b)
6/29/2021 12:41	0	0	(b)
6/29/2021 12:42	0	0	(b)
6/29/2021 12:43	0	0	(b)
6/29/2021 12:44	0	0	(b)
6/29/2021 12:45	0	0	(b)
6/29/2021 12:46	0	0	0.009
6/29/2021 12:47	0	0	(b)
6/29/2021 12:48	0	0	(b)
6/29/2021 12:49	0	0	(b)
6/29/2021 12:50	0	0	(b)
6/29/2021 12:51	0	0	(b)
6/29/2021 12:52	0	0	(b)
6/29/2021 12:53	0	0	(b)

Record of Community Air Monitoring (Downwind Data) - 06/29/21
Long Island MacArthur Airport,
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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 12:54	0	0	(b)
6/29/2021 12:55	0	0	(b)
6/29/2021 12:56	0	0	(b)
6/29/2021 12:57	0	0	(b)
6/29/2021 12:58	0	0	(b)
6/29/2021 12:59	0	0	(b)
6/29/2021 13:00	0	0	(b)
6/29/2021 13:01	0	0	0.009
6/29/2021 13:02	0	0	(b)
6/29/2021 13:03	0	0	(b)
6/29/2021 13:04	0	0	(b)
6/29/2021 13:05	0	0	(b)
6/29/2021 13:06	0	0	(b)
6/29/2021 13:07	0	0	(b)
6/29/2021 13:08	0	0	(b)
6/29/2021 13:09	0	0	(b)
6/29/2021 13:10	0	0	(b)
6/29/2021 13:11	0	0	(b)
6/29/2021 13:12	0	0	(b)
6/29/2021 13:13	0	0	(b)
6/29/2021 13:14	0	0	(b)
6/29/2021 13:15	0	0	(b)
6/29/2021 13:16	0	0	0.009
6/29/2021 13:17	0	0	(b)
6/29/2021 13:18	0	0	(b)
6/29/2021 13:19	0	0	(b)
6/29/2021 13:20	0	0	(b)
6/29/2021 13:21	0	0	(b)
6/29/2021 13:22	0	0	(b)
6/29/2021 13:23	0	0	(b)
6/29/2021 13:24	0	0	(b)
6/29/2021 13:25	0	0	(b)
6/29/2021 13:26	0	0	(b)
6/29/2021 13:27	0	0	(b)
6/29/2021 13:28	0	0	(b)
6/29/2021 13:29	0	0	(b)
6/29/2021 13:30	0	0	(b)
6/29/2021 13:31	0	0	0.009

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Long Island MacArthur Airport,
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/29/2021 13:32	0	0	(b)
6/29/2021 13:33	0	0	(b)
6/29/2021 13:34	0	0	(b)
6/29/2021 13:35	0	0	(b)
6/29/2021 13:36	0	0	(b)
6/29/2021 13:37	0	0	(b)
6/29/2021 13:38	0	0	(b)
6/29/2021 13:39	0	0	(b)
6/29/2021 13:40	0	0	(b)
6/29/2021 13:41	0	0	(b)
6/29/2021 13:42	0	0	(b)
6/29/2021 13:43	0	0	(b)
6/29/2021 13:44	0	0	(b)
6/29/2021 13:45	0	0	(b)
6/29/2021 13:46	0	0	0.009
6/29/2021 13:47	0	0	(b)
6/29/2021 13:48	0	0	(b)
6/29/2021 13:49	0	0	(b)
6/29/2021 13:50	0	0	(b)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) Equipment malfunction.

(b) PM-10 data collected at 15 minute intervals.

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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/30/2021 7:34	0	0	(a)
6/30/2021 7:35	0	0	(a)
6/30/2021 7:36	0	0	(a)
6/30/2021 7:37	0	0	(a)
6/30/2021 7:38	0	0	(a)
6/30/2021 7:39	0	0	(a)
6/30/2021 7:40	0	0	(a)
6/30/2021 7:41	0	0	(a)
6/30/2021 7:42	0	0	(a)
6/30/2021 7:43	0	0	(a)
6/30/2021 7:44	0	0	(a)
6/30/2021 7:45	0	0	(a)
6/30/2021 7:46	0	0	0.018
6/30/2021 7:47	0	0	(a)
6/30/2021 7:48	0	0	(a)
6/30/2021 7:49	0	0	(a)
6/30/2021 7:50	0	0	(a)
6/30/2021 7:51	0	0	(a)
6/30/2021 7:52	0	0	(a)
6/30/2021 7:53	0	0	(a)
6/30/2021 7:54	0	0	(a)
6/30/2021 7:55	0	0	(a)
6/30/2021 7:56	0	0	(a)
6/30/2021 7:57	0	0	(a)
6/30/2021 7:58	0	0	(a)
6/30/2021 7:59	0	0	(a)
6/30/2021 8:00	0	0	(a)
6/30/2021 8:01	0	0	0.012
6/30/2021 8:02	0	0	(a)
6/30/2021 8:03	0	0	(a)
6/30/2021 8:04	0	0	(a)
6/30/2021 8:05	0	0	(a)
6/30/2021 8:06	0	0	(a)
6/30/2021 8:07	0	0	(a)
6/30/2021 8:08	0	0	(a)
6/30/2021 8:09	0	0	(a)
6/30/2021 8:10	0	0	(a)
6/30/2021 8:11	0	0	(a)

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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/30/2021 8:12	0	0	(a)
6/30/2021 8:13	0	0	(a)
6/30/2021 8:14	0	0	(a)
6/30/2021 8:15	0	0	(a)
6/30/2021 8:16	0	0	0.01
6/30/2021 8:17	0	0	(a)
6/30/2021 8:18	0	0	(a)
6/30/2021 8:19	0	0	(a)
6/30/2021 8:20	0	0	(a)
6/30/2021 8:21	0	0	(a)
6/30/2021 8:22	0	0	(a)
6/30/2021 8:23	0	0	(a)
6/30/2021 8:24	0	0	(a)
6/30/2021 8:25	0	0	(a)
6/30/2021 8:26	0	0	(a)
6/30/2021 8:27	0	0	(a)
6/30/2021 8:28	0	0	(a)
6/30/2021 8:29	0	0	(a)
6/30/2021 8:30	0	0	(a)
6/30/2021 8:31	0	0	0.009
6/30/2021 8:32	0	0	(a)
6/30/2021 8:33	0	0	(a)
6/30/2021 8:34	0	0	(a)
6/30/2021 8:35	0	0	(a)
6/30/2021 8:36	0	0	(a)
6/30/2021 8:37	0	0	(a)
6/30/2021 8:38	0	0	(a)
6/30/2021 8:39	0	0	(a)
6/30/2021 8:40	0	0	(a)
6/30/2021 8:41	0	0	(a)
6/30/2021 8:42	0	0	(a)
6/30/2021 8:43	0	0	(a)
6/30/2021 8:44	0	0	(a)
6/30/2021 8:45	0	0	(a)
6/30/2021 8:46	0	0	0.008
6/30/2021 8:47	0	0	(a)
6/30/2021 8:48	0	0	(a)
6/30/2021 8:49	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/30/21
Long Island MacArthur Airport,
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/30/2021 8:50	0	0	(a)
6/30/2021 8:51	0	0	(a)
6/30/2021 8:52	0	0	(a)
6/30/2021 8:53	0	0	(a)
6/30/2021 8:54	0	0	(a)
6/30/2021 8:55	0	0	(a)
6/30/2021 8:56	0	0	(a)
6/30/2021 8:57	0	0	(a)
6/30/2021 8:58	0	0	(a)
6/30/2021 8:59	0	0	(a)
6/30/2021 9:00	0	0	(a)
6/30/2021 9:01	0	0	0.008
6/30/2021 9:02	0	0	(a)
6/30/2021 9:03	0	0	(a)
6/30/2021 9:04	0	0	(a)
6/30/2021 9:05	0	0	(a)
6/30/2021 9:06	0	0	(a)
6/30/2021 9:07	0	0	(a)
6/30/2021 9:08	0	0	(a)
6/30/2021 9:09	0	0	(a)
6/30/2021 9:10	0	0	(a)
6/30/2021 9:11	0	0	(a)
6/30/2021 9:12	0	0	(a)
6/30/2021 9:13	0	0	(a)
6/30/2021 9:14	0	0	(a)
6/30/2021 9:15	0	0	(a)
6/30/2021 9:16	0	0	0.008
6/30/2021 9:17	0	0	(a)
6/30/2021 9:18	0	0	(a)
6/30/2021 9:19	0	0	(a)
6/30/2021 9:20	0	0	(a)
6/30/2021 9:21	0	0	(a)
6/30/2021 9:22	0	0	(a)
6/30/2021 9:23	0	0	(a)
6/30/2021 9:24	0	0	(a)
6/30/2021 9:25	0	0	(a)
6/30/2021 9:26	0	0	(a)
6/30/2021 9:27	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/30/21
Long Island MacArthur Airport,
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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/30/2021 9:28	0	0	(a)
6/30/2021 9:29	0	0	(a)
6/30/2021 9:30	0	0	(a)
6/30/2021 9:31	0	0	0.008
6/30/2021 9:32	0	0	(a)
6/30/2021 9:33	0	0	(a)
6/30/2021 9:34	0	0	(a)
6/30/2021 9:35	0	0	(a)
6/30/2021 9:36	0	0	(a)
6/30/2021 9:37	0	0	(a)
6/30/2021 9:38	0	0	(a)
6/30/2021 9:39	0	0	(a)
6/30/2021 9:40	0	0	(a)
6/30/2021 9:41	0	0	(a)
6/30/2021 9:42	0	0	(a)
6/30/2021 9:43	0	0	(a)
6/30/2021 9:44	0	0	(a)
6/30/2021 9:45	0	0	(a)
6/30/2021 9:46	0	0	0.008
6/30/2021 9:47	0	0	(a)
6/30/2021 9:48	0	0	(a)
6/30/2021 9:49	0	0	(a)
6/30/2021 9:50	0	0	(a)
6/30/2021 9:51	0	0	(a)
6/30/2021 9:52	0	0	(a)
6/30/2021 9:53	0	0	(a)
6/30/2021 9:54	0	0	(a)
6/30/2021 9:55	0	0	(a)
6/30/2021 9:56	0	0	(a)
6/30/2021 9:57	0	0	(a)
6/30/2021 9:58	0	0	(a)
6/30/2021 9:59	0	0	(a)
6/30/2021 10:00	0	0	(a)
6/30/2021 10:01	0	0	0.009
6/30/2021 10:02	0	0	(a)
6/30/2021 10:03	0	0	(a)
6/30/2021 10:04	0	0	(a)
6/30/2021 10:05	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/30/21
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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/30/2021 10:06	0	0	(a)
6/30/2021 10:07	0	0	(a)
6/30/2021 10:08	0	0	(a)
6/30/2021 10:09	0	0	(a)
6/30/2021 10:10	0	0	(a)
6/30/2021 10:11	0	0	(a)
6/30/2021 10:12	0	0	(a)
6/30/2021 10:13	0	0	(a)
6/30/2021 10:14	0	0	(a)
6/30/2021 10:15	0	0	(a)
6/30/2021 10:16	0	0	0.009
6/30/2021 10:17	0	0	(a)
6/30/2021 10:18	0	0	(a)
6/30/2021 10:19	0	0	(a)
6/30/2021 10:20	0	0	(a)
6/30/2021 10:21	0	0	(a)
6/30/2021 10:22	0	0	(a)
6/30/2021 10:23	0	0	(a)
6/30/2021 10:24	0	0	(a)
6/30/2021 10:25	0	0	(a)
6/30/2021 10:26	0	0	(a)
6/30/2021 10:27	0	0	(a)
6/30/2021 10:28	0	0	(a)
6/30/2021 10:29	0	0	(a)
6/30/2021 10:30	0	0	(a)
6/30/2021 10:31	0	0	0.011
6/30/2021 10:32	0	0	(a)
6/30/2021 10:33	0	0	(a)
6/30/2021 10:34	0	0	(a)
6/30/2021 10:35	0	0	(a)
6/30/2021 10:36	0	0	(a)
6/30/2021 10:37	0	0	(a)
6/30/2021 10:38	0	0	(a)
6/30/2021 10:39	0	0	(a)
6/30/2021 10:40	0	0	(a)
6/30/2021 10:41	0	0	(a)
6/30/2021 10:42	0	0	(a)
6/30/2021 10:43	0	0	(a)

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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/30/2021 10:44	0	0	(a)
6/30/2021 10:45	0	0	(a)
6/30/2021 10:46	0	0	0.009
6/30/2021 10:47	0	0	(a)
6/30/2021 10:48	0	0	(a)
6/30/2021 10:49	0	0	(a)
6/30/2021 10:50	0	0	(a)
6/30/2021 10:51	0	0	(a)
6/30/2021 10:52	0	0	(a)
6/30/2021 10:53	0	0	(a)
6/30/2021 10:54	0	0	(a)
6/30/2021 10:55	0	0	(a)
6/30/2021 10:56	0	0	(a)
6/30/2021 10:57	0	0	(a)
6/30/2021 10:58	0	0	(a)
6/30/2021 10:59	0	0	(a)
6/30/2021 11:00	0	0	(a)
6/30/2021 11:01	0	0	0.009
6/30/2021 11:02	0	0	(a)
6/30/2021 11:03	0	0	(a)
6/30/2021 11:04	0	0	(a)
6/30/2021 11:05	0	0	(a)
6/30/2021 11:06	0	0	(a)
6/30/2021 11:07	0	0	(a)
6/30/2021 11:08	0	0	(a)
6/30/2021 11:09	0	0	(a)
6/30/2021 11:10	0	0	(a)
6/30/2021 11:11	0	0	(a)
6/30/2021 11:12	0	0	(a)
6/30/2021 11:13	0	0	(a)
6/30/2021 11:14	0	0	(a)
6/30/2021 11:15	0	0	(a)
6/30/2021 11:16	0	0	0.009
6/30/2021 11:17	0	0	(a)
6/30/2021 11:18	0	0	(a)
6/30/2021 11:19	0	0	(a)
6/30/2021 11:20	0	0	(a)
6/30/2021 11:21	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/30/21
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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/30/2021 11:22	0	0	(a)
6/30/2021 11:23	0	0	(a)
6/30/2021 11:24	0	0	(a)
6/30/2021 11:25	0	0	(a)
6/30/2021 11:26	0	0	(a)
6/30/2021 11:27	0	0	(a)
6/30/2021 11:28	0	0	(a)
6/30/2021 11:29	0	0	(a)
6/30/2021 11:30	0	0	(a)
6/30/2021 11:31	0	0	0.01
6/30/2021 11:32	0	0	(a)
6/30/2021 11:33	0	0	(a)
6/30/2021 11:34	0	0	(a)
6/30/2021 11:35	0	0	(a)
6/30/2021 11:36	0	0	(a)
6/30/2021 11:37	0	0	(a)
6/30/2021 11:38	0	0	(a)
6/30/2021 11:39	0	0	(a)
6/30/2021 11:40	0	0	(a)
6/30/2021 11:41	0	0	(a)
6/30/2021 11:42	0	0	(a)
6/30/2021 11:43	0	0	(a)
6/30/2021 11:44	0	0	(a)
6/30/2021 11:45	0	0	(a)
6/30/2021 11:46	0	0	0.01
6/30/2021 11:47	0	0	(a)
6/30/2021 11:48	0	0	(a)
6/30/2021 11:49	0	0	(a)
6/30/2021 11:50	0	0	(a)
6/30/2021 11:51	0	0	(a)
6/30/2021 11:52	0	0	(a)
6/30/2021 11:53	0	0	(a)
6/30/2021 11:54	0	0	(a)
6/30/2021 11:55	0	0	(a)
6/30/2021 11:56	0	0	(a)
6/30/2021 11:57	0	0	(a)
6/30/2021 11:58	0	0	(a)
6/30/2021 11:59	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/30/21
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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/30/2021 12:00	0	0	(a)
6/30/2021 12:01	0	0	0.011
6/30/2021 12:02	0	0	(a)
6/30/2021 12:03	0	0	(a)
6/30/2021 12:04	0	0	(a)
6/30/2021 12:05	0	0	(a)
6/30/2021 12:06	0	0	(a)
6/30/2021 12:07	0	0	(a)
6/30/2021 12:08	0	0	(a)
6/30/2021 12:09	0	0	(a)
6/30/2021 12:10	0	0	(a)
6/30/2021 12:11	0	0	(a)
6/30/2021 12:12	0	0	(a)
6/30/2021 12:13	0	0	(a)
6/30/2021 12:14	0	0	(a)
6/30/2021 12:15	0	0	(a)
6/30/2021 12:16	0	0	0.011
6/30/2021 12:17	0	0	(a)
6/30/2021 12:18	0	0	(a)
6/30/2021 12:19	0	0	(a)
6/30/2021 12:20	0	0	(a)
6/30/2021 12:21	0	0	(a)
6/30/2021 12:22	0	0	(a)
6/30/2021 12:23	0	0	(a)
6/30/2021 12:24	0	0	(a)
6/30/2021 12:25	0	0	(a)
6/30/2021 12:26	0	0	(a)
6/30/2021 12:27	0	0	(a)
6/30/2021 12:28	0	0	(a)
6/30/2021 12:29	0	0	(a)
6/30/2021 12:30	0	0	(a)
6/30/2021 12:31	0	0	0.011
6/30/2021 12:32	0	0	(a)
6/30/2021 12:33	0	0	(a)
6/30/2021 12:34	0	0	(a)
6/30/2021 12:35	0	0	(a)
6/30/2021 12:36	0	0	(a)
6/30/2021 12:37	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/30/2021 12:38	0	0	(a)
6/30/2021 12:39	0	0	(a)
6/30/2021 12:40	0	0	(a)
6/30/2021 12:41	0	0	(a)
6/30/2021 12:42	0	0	(a)
6/30/2021 12:43	0	0	(a)
6/30/2021 12:44	0	0	(a)
6/30/2021 12:45	0	0	(a)
6/30/2021 12:46	0	0	0.01
6/30/2021 12:47	0	0	(a)
6/30/2021 12:48	0	0	(a)
6/30/2021 12:49	0	0	(a)
6/30/2021 12:50	0	0	(a)
6/30/2021 12:51	0	0	(a)
6/30/2021 12:52	0	0	(a)
6/30/2021 12:53	0	0	(a)
6/30/2021 12:54	0	0	(a)
6/30/2021 12:55	0	0	(a)
6/30/2021 12:56	0	0	(a)
6/30/2021 12:57	0	0	(a)
6/30/2021 12:58	0	0	(a)
6/30/2021 12:59	0	0	(a)
6/30/2021 13:00	0	0	(a)
6/30/2021 13:01	0	0	0.01
6/30/2021 13:02	0	0	(a)
6/30/2021 13:03	0	0	(a)
6/30/2021 13:04	0	0	(a)
6/30/2021 13:05	0	0	(a)
6/30/2021 13:06	0	0	(a)
6/30/2021 13:07	0	0	(a)
6/30/2021 13:08	0	0	(a)
6/30/2021 13:09	0	0	(a)
6/30/2021 13:10	0	0	(a)
6/30/2021 13:11	0	0	(a)
6/30/2021 13:12	0	0	(a)
6/30/2021 13:13	0	0	(a)
6/30/2021 13:14	0	0	(a)
6/30/2021 13:15	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 06/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
6/30/2021 13:16	0	0	0.01
6/30/2021 13:17	0	0	(a)
6/30/2021 13:18	0	0	(a)
6/30/2021 13:19	0	0	(a)
6/30/2021 13:20	0	0	(a)
6/30/2021 13:21	0	0	(a)
6/30/2021 13:22	0	0	(a)
6/30/2021 13:23	0	0	(a)
6/30/2021 13:24	0	0	(a)
6/30/2021 13:25	0	0	(a)
6/30/2021 13:26	0	0	(a)
6/30/2021 13:27	0	0	(a)
6/30/2021 13:28	0	0	(a)
6/30/2021 13:29	0	0	(a)
6/30/2021 13:30	0	0	(a)
6/30/2021 13:31	0	0	0.01
6/30/2021 13:32	0	0	(a)
6/30/2021 13:33	0	0	(a)
6/30/2021 13:34	0	0	(a)
6/30/2021 13:35	0	0	(a)
6/30/2021 13:36	0	0	(a)
6/30/2021 13:37	0	0	(a)
6/30/2021 13:38	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 10:34	0	0	(a)
7/15/2021 10:35	0	0	(a)
7/15/2021 10:36	0	0	(a)
7/15/2021 10:37	0	0	0.018
7/15/2021 10:38	0	0	(a)
7/15/2021 10:39	0	0	(a)
7/15/2021 10:40	0	0	(a)
7/15/2021 10:41	0	0	(a)
7/15/2021 10:42	0	0	0.018
7/15/2021 10:43	0	0	(a)
7/15/2021 10:44	0	0	(a)
7/15/2021 10:45	0	0	(a)
7/15/2021 10:46	0	0	(a)
7/15/2021 10:47	0	0	0.018
7/15/2021 10:48	0	0	(a)
7/15/2021 10:49	0	0	(a)
7/15/2021 10:50	0	0	(a)
7/15/2021 10:51	0	0	(a)
7/15/2021 10:52	0	0	0.018
7/15/2021 10:53	0	0	(a)
7/15/2021 10:54	0	0	(a)
7/15/2021 10:55	0	0	(a)
7/15/2021 10:56	0	0	(a)
7/15/2021 10:57	0	0	0.018
7/15/2021 10:58	0	0	(a)
7/15/2021 10:59	0	0	(a)
7/15/2021 11:00	0	0	(a)
7/15/2021 11:01	0	0	(a)
7/15/2021 11:02	0	0	0.018
7/15/2021 11:03	0	0	(a)
7/15/2021 11:04	0	0	(a)
7/15/2021 11:05	0	0	(a)
7/15/2021 11:06	0	0	(a)
7/15/2021 11:07	0	0	0.019
7/15/2021 11:08	0	0	(a)
7/15/2021 11:09	0	0	(a)
7/15/2021 11:10	0	0	(a)
7/15/2021 11:11	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 11:12	0	0	0.019
7/15/2021 11:13	0	0	(a)
7/15/2021 11:14	0	0	(a)
7/15/2021 11:15	0	0	(a)
7/15/2021 11:16	0	0	(a)
7/15/2021 11:17	0	0	0.019
7/15/2021 11:18	0	0	(a)
7/15/2021 11:19	0	0	(a)
7/15/2021 11:20	0	0	(a)
7/15/2021 11:21	0	0	(a)
7/15/2021 11:22	0	0	0.019
7/15/2021 11:23	0	0	(a)
7/15/2021 11:24	0	0	(a)
7/15/2021 11:25	0	0	(a)
7/15/2021 11:26	0	0	(a)
7/15/2021 11:27	0	0	0.019
7/15/2021 11:28	0	0	(a)
7/15/2021 11:29	0	0	(a)
7/15/2021 11:30	0	0	(a)
7/15/2021 11:31	0	0	(a)
7/15/2021 11:32	0	0	0.019
7/15/2021 11:33	0	0	(a)
7/15/2021 11:34	0	0	(a)
7/15/2021 11:35	0	0	(a)
7/15/2021 11:36	0	0	(a)
7/15/2021 11:37	0	0	0.02
7/15/2021 11:38	0	0	(a)
7/15/2021 11:39	0	0	(a)
7/15/2021 11:40	0	0	(a)
7/15/2021 11:41	0	0	(a)
7/15/2021 11:42	0	0	0.02
7/15/2021 11:43	0	0	(a)
7/15/2021 11:44	0	0	(a)
7/15/2021 11:45	0	0	(a)
7/15/2021 11:46	0	0	(a)
7/15/2021 11:47	0	0	0.02
7/15/2021 11:48	0	0	(a)
7/15/2021 11:49	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 11:50	0	0	(a)
7/15/2021 11:51	0	0	(a)
7/15/2021 11:52	0	0	0.02
7/15/2021 11:53	0	0	(a)
7/15/2021 11:54	0	0	(a)
7/15/2021 11:55	0	0	(a)
7/15/2021 11:56	0	0	(a)
7/15/2021 11:57	0	0	0.02
7/15/2021 11:58	0	0	(a)
7/15/2021 11:59	0	0	(a)
7/15/2021 12:00	0	0	(a)
7/15/2021 12:01	0	0	(a)
7/15/2021 12:02	0	0	0.019
7/15/2021 12:03	0	0	(a)
7/15/2021 12:04	0	0	(a)
7/15/2021 12:05	0	0	(a)
7/15/2021 12:06	0	0	(a)
7/15/2021 12:07	0	0	0.018
7/15/2021 12:08	0	0	(a)
7/15/2021 12:09	0	0	(a)
7/15/2021 12:10	0	0	(a)
7/15/2021 12:11	0	0	(a)
7/15/2021 12:12	0	0	0.019
7/15/2021 12:13	0	0	(a)
7/15/2021 12:14	0	0	(a)
7/15/2021 12:15	0	0	(a)
7/15/2021 12:16	0	0	(a)
7/15/2021 12:17	0	0	0.023
7/15/2021 12:18	0	0	(a)
7/15/2021 12:19	0	0	(a)
7/15/2021 12:20	0	0	(a)
7/15/2021 12:21	0	0	(a)
7/15/2021 12:22	0	0	0.019
7/15/2021 12:23	0	0	(a)
7/15/2021 12:24	0	0	(a)
7/15/2021 12:25	0	0	(a)
7/15/2021 12:26	0	0	(a)
7/15/2021 12:27	0	0	0.02

Record of Community Air Monitoring (Downwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 12:28	0	0	(a)
7/15/2021 12:29	0	0	(a)
7/15/2021 12:30	0	0	(a)
7/15/2021 12:31	0	0	(a)
7/15/2021 12:32	0	0	0.023
7/15/2021 12:33	0	0	(a)
7/15/2021 12:34	0	0	(a)
7/15/2021 12:35	0	0	(a)
7/15/2021 12:36	0	0	(a)
7/15/2021 12:37	0	0	0.024
7/15/2021 12:38	0	0	(a)
7/15/2021 12:39	0	0	(a)
7/15/2021 12:40	0	0	(a)
7/15/2021 12:41	0	0	(a)
7/15/2021 12:42	0	0	0.023
7/15/2021 12:43	0	0	(a)
7/15/2021 12:44	0	0	(a)
7/15/2021 12:45	0	0	(a)
7/15/2021 12:46	0	0	(a)
7/15/2021 12:47	0	0	0.022
7/15/2021 12:48	0	0	(a)
7/15/2021 12:49	0	0	(a)
7/15/2021 12:50	0	0	(a)
7/15/2021 12:51	0	0	(a)
7/15/2021 12:52	0	0	0.021
7/15/2021 12:53	0	0	(a)
7/15/2021 12:54	0	0	(a)
7/15/2021 12:55	0	0	(a)
7/15/2021 12:56	0	0	(a)
7/15/2021 12:57	0	0	0.021
7/15/2021 12:58	0	0	(a)
7/15/2021 12:59	0	0	(a)
7/15/2021 13:00	0	0	(a)
7/15/2021 13:01	0	0	(a)
7/15/2021 13:02	0	0	0.022
7/15/2021 13:03	0	0	(a)
7/15/2021 13:04	0	0	(a)
7/15/2021 13:05	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 13:06	0	0	(a)
7/15/2021 13:07	0	0	0.021
7/15/2021 13:08	0	0	(a)
7/15/2021 13:09	0	0	(a)
7/15/2021 13:10	0	0	(a)
7/15/2021 13:11	0	0	(a)
7/15/2021 13:12	0	0	0.021
7/15/2021 13:13	0	0	(a)
7/15/2021 13:14	0	0	(a)
7/15/2021 13:15	0	0	(a)
7/15/2021 13:16	0	0	(a)
7/15/2021 13:17	0	0	0.02
7/15/2021 13:18	0	0	(a)
7/15/2021 13:19	0	0	(a)
7/15/2021 13:20	0	0	(a)
7/15/2021 13:21	0	0	(a)
7/15/2021 13:22	0	0	0.02
7/15/2021 13:23	0	0	(a)
7/15/2021 13:24	0	0	(a)
7/15/2021 13:25	0	0	(a)
7/15/2021 13:26	0	0	(a)
7/15/2021 13:27	0	0	0.02
7/15/2021 13:28	0	0	(a)
7/15/2021 13:29	0	0	(a)
7/15/2021 13:30	0	0	(a)
7/15/2021 13:31	0	0	(a)
7/15/2021 13:32	0	0	0.02
7/15/2021 13:33	0	0	(a)
7/15/2021 13:34	0	0	(a)
7/15/2021 13:35	0	0	(a)
7/15/2021 13:36	0	0	(a)
7/15/2021 13:37	0	0	0.02
7/15/2021 13:38	0	0	(a)
7/15/2021 13:39	0	0	(a)
7/15/2021 13:40	0	0	(a)
7/15/2021 13:41	0	0	(a)
7/15/2021 13:42	0	0	0.018
7/15/2021 13:43	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 13:44	0	0	(a)
7/15/2021 13:45	0	0	(a)
7/15/2021 13:46	0	0	(a)
7/15/2021 13:47	0	0	0.016
7/15/2021 13:48	0	0	(a)
7/15/2021 13:49	0	0	(a)
7/15/2021 13:50	0	0	(a)
7/15/2021 13:51	0	0	(a)
7/15/2021 13:52	0	0	0.015
7/15/2021 13:53	0	0	(a)
7/15/2021 13:54	0	0	(a)
7/15/2021 13:55	0	0	(a)
7/15/2021 13:56	0	0	(a)
7/15/2021 13:57	0	0	0.016
7/15/2021 13:58	0	0	(a)
7/15/2021 13:59	0	0	(a)
7/15/2021 14:00	0	0	(a)
7/15/2021 14:01	0	0	(a)
7/15/2021 14:02	0	0	0.015
7/15/2021 14:03	0	0	(a)
7/15/2021 14:04	0	0	(a)
7/15/2021 14:05	0	0	(a)
7/15/2021 14:06	0	0	(a)
7/15/2021 14:07	0	0	0.017
7/15/2021 14:08	0	0	(a)
7/15/2021 14:09	0	0	(a)
7/15/2021 14:10	0	0	(a)
7/15/2021 14:11	0	0	(a)
7/15/2021 14:12	0	0	0.019
7/15/2021 14:13	0	0	(a)
7/15/2021 14:14	0	0	(a)
7/15/2021 14:15	0	0	(a)
7/15/2021 14:16	0	0	(a)
7/15/2021 14:17	0	0	0.021
7/15/2021 14:18	0	0	(a)
7/15/2021 14:19	0	0	(a)
7/15/2021 14:20	0	0	(a)
7/15/2021 14:21	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 14:22	0	0	0.02
7/15/2021 14:23	0	0	(a)
7/15/2021 14:24	0	0	(a)
7/15/2021 14:25	0	0	(a)
7/15/2021 14:26	0	0	(a)
7/15/2021 14:27	0	0	0.021
7/15/2021 14:28	0	0	(a)
7/15/2021 14:29	0	0	(a)
7/15/2021 14:30	0	0	(a)
7/15/2021 14:31	0	0	(a)
7/15/2021 14:32	0	0	0.02
7/15/2021 14:33	0	0	(a)
7/15/2021 14:34	0	0	(a)
7/15/2021 14:35	0	0	(a)
7/15/2021 14:36	0	0	(a)
7/15/2021 14:37	0	0	0.02
7/15/2021 14:38	0	0	(a)
7/15/2021 14:39	0	0	(a)
7/15/2021 14:40	0	0	(a)
7/15/2021 14:41	0	0	(a)
7/15/2021 14:42	0	0	0.021
7/15/2021 14:43	0	0	(a)
7/15/2021 14:44	0	0	(a)
7/15/2021 14:45	0	0	(a)
7/15/2021 14:46	0	0	(a)
7/15/2021 14:47	0	0	0.022
7/15/2021 14:48	0	0	(a)
7/15/2021 14:49	0	0	(a)
7/15/2021 14:50	0	0	(a)
7/15/2021 14:51	0	0	(a)
7/15/2021 14:52	0	0	0.021
7/15/2021 14:53	0	0	(a)
7/15/2021 14:54	0	0	(a)
7/15/2021 14:55	0	0	(a)
7/15/2021 14:56	0	0	(a)
7/15/2021 14:57	0	0	0.022
7/15/2021 14:58	0	0	(a)
7/15/2021 14:59	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/15/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/15/2021 15:00	0	0	(a)
7/15/2021 15:01	0	0	(a)
7/15/2021 15:02	0	0	0.021
7/15/2021 15:03	0	0	(a)
7/15/2021 15:04	0	0	(a)
7/15/2021 15:05	0	0	(a)
7/15/2021 15:06	0	0	(a)
7/15/2021 15:07	0	0	0.022
7/15/2021 15:08	0	0	(a)
7/15/2021 15:09	0	0	(a)
7/15/2021 15:10	0	0	(a)
7/15/2021 15:11	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 5 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 7:13	0	0	(a)
7/16/2021 7:14	0	0	0.043
7/16/2021 7:15	0	0	(a)
7/16/2021 7:16	0	0	(a)
7/16/2021 7:17	0	0	(a)
7/16/2021 7:18	0	0	(a)
7/16/2021 7:19	0	0	0.045
7/16/2021 7:20	0	0	(a)
7/16/2021 7:21	0	0	(a)
7/16/2021 7:22	0	0	(a)
7/16/2021 7:23	0	0	(a)
7/16/2021 7:24	0	0	0.042
7/16/2021 7:59	0	0	0.04
7/16/2021 8:00	0	0	(a)
7/16/2021 8:01	0	0	(a)
7/16/2021 8:02	0	0	(a)
7/16/2021 8:03	0.7	0	(a)
7/16/2021 8:04	0.4	0	0.042
7/16/2021 8:05	0	0	(a)
7/16/2021 8:06	0	0	(a)
7/16/2021 8:07	0	0	(a)
7/16/2021 8:08	0	0	(a)
7/16/2021 8:09	0	0	0.042
7/16/2021 8:10	0	0	(a)
7/16/2021 8:11	0	0	(a)
7/16/2021 8:12	0.8	0	(a)
7/16/2021 8:13	0	0	(a)
7/16/2021 8:14	0	0	0.042
7/16/2021 8:15	0	0	(a)
7/16/2021 8:16	0	0	(a)
7/16/2021 8:17	0	0	(a)
7/16/2021 8:18	0	0	(a)
7/16/2021 8:19	0	0	0.044
7/16/2021 8:20	0	0	(a)
7/16/2021 8:21	0	0	(a)
7/16/2021 8:22	0	0	(a)
7/16/2021 8:23	0	0	(a)
7/16/2021 8:24	0	0	0.039
7/16/2021 8:25	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 8:26	0	0	(a)
7/16/2021 8:27	0	0	(a)
7/16/2021 8:28	0	0	(a)
7/16/2021 8:29	0	0	0.038
7/16/2021 8:30	0	0	(a)
7/16/2021 8:31	0	0	(a)
7/16/2021 8:32	0	0	(a)
7/16/2021 8:33	0	0	(a)
7/16/2021 8:34	0	0	0.045
7/16/2021 8:35	0	0	(a)
7/16/2021 8:36	0	0	(a)
7/16/2021 8:37	0	0	(a)
7/16/2021 8:38	0	0	(a)
7/16/2021 8:39	0	0	0.05
7/16/2021 8:40	0	0	(a)
7/16/2021 8:41	0	0	(a)
7/16/2021 8:42	0	0	(a)
7/16/2021 8:43	0	0	(a)
7/16/2021 8:44	0	0	0.043
7/16/2021 8:45	0	0	(a)
7/16/2021 8:46	0	0	(a)
7/16/2021 8:47	0	0	(a)
7/16/2021 8:48	0	0	(a)
7/16/2021 8:49	0	0	0.041
7/16/2021 8:50	0	0	(a)
7/16/2021 8:51	0	0	(a)
7/16/2021 8:52	0	0	(a)
7/16/2021 8:53	0	0	(a)
7/16/2021 8:54	0	0	0.039
7/16/2021 8:55	0	0	(a)
7/16/2021 8:56	0	0	(a)
7/16/2021 8:57	0	0	(a)
7/16/2021 8:58	0	0	(a)
7/16/2021 8:59	0	0	0.042
7/16/2021 9:00	0	0	(a)
7/16/2021 9:01	0	0	(a)
7/16/2021 9:02	0	0	(a)
7/16/2021 9:03	0	0	(a)
7/16/2021 9:04	0	0	0.039

Record of Community Air Monitoring (Downwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 9:05	0	0	(a)
7/16/2021 9:06	0	0	(a)
7/16/2021 9:07	0	0	(a)
7/16/2021 9:08	0	0	(a)
7/16/2021 9:09	0	0	0.035
7/16/2021 9:10	0	0	(a)
7/16/2021 9:11	0	0	(a)
7/16/2021 9:12	0	0	(a)
7/16/2021 9:13	0	0	(a)
7/16/2021 9:14	0	0	0.035
7/16/2021 9:15	0	0	(a)
7/16/2021 9:16	0	0	(a)
7/16/2021 9:17	0	0	(a)
7/16/2021 9:18	0	0	(a)
7/16/2021 9:19	0	0	0.035
7/16/2021 9:20	0	0	(a)
7/16/2021 9:21	0	0	(a)
7/16/2021 9:22	0	0	(a)
7/16/2021 9:23	0	0	(a)
7/16/2021 9:24	0	0	0.035
7/16/2021 9:25	0	0	(a)
7/16/2021 9:26	0	0	(a)
7/16/2021 9:27	0	0	(a)
7/16/2021 9:28	0	0	(a)
7/16/2021 9:29	0	0	0.035
7/16/2021 9:30	0	0	(a)
7/16/2021 9:31	0	0	(a)
7/16/2021 9:32	0	0	(a)
7/16/2021 9:33	0	0	(a)
7/16/2021 9:34	0	0	0.036
7/16/2021 9:35	0	0	(a)
7/16/2021 9:36	0	0	(a)
7/16/2021 9:37	0	0	(a)
7/16/2021 9:38	0	0	(a)
7/16/2021 9:39	0	0	0.037
7/16/2021 9:40	0	0	(a)
7/16/2021 9:41	0	0	(a)
7/16/2021 9:42	0	0	(a)
7/16/2021 9:43	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 9:44	0	0	0.036
7/16/2021 9:45	0	0	(a)
7/16/2021 9:46	0	0	(a)
7/16/2021 9:47	0	0	(a)
7/16/2021 9:48	0	0	(a)
7/16/2021 9:49	0	0	0.036
7/16/2021 9:50	0	0	(a)
7/16/2021 9:51	0	0	(a)
7/16/2021 9:52	0	0	(a)
7/16/2021 9:53	0	0	(a)
7/16/2021 9:54	0	0	0.037
7/16/2021 9:55	0	0	(a)
7/16/2021 9:56	0	0	(a)
7/16/2021 9:57	0	0	(a)
7/16/2021 9:58	0	0	(a)
7/16/2021 9:59	0	0	0.036
7/16/2021 10:00	0	0	(a)
7/16/2021 10:01	0	0	(a)
7/16/2021 10:02	0	0	(a)
7/16/2021 10:03	0	0	(a)
7/16/2021 10:04	0	0	0.036
7/16/2021 10:05	0	0	(a)
7/16/2021 10:06	0	0	(a)
7/16/2021 10:07	0	0	(a)
7/16/2021 10:08	0	0	(a)
7/16/2021 10:09	0	0	0.037
7/16/2021 10:10	0	0	(a)
7/16/2021 10:11	0	0	(a)
7/16/2021 10:12	0	0	(a)
7/16/2021 10:13	0	0	(a)
7/16/2021 10:14	0	0	0.037
7/16/2021 10:15	0	0	(a)
7/16/2021 10:16	0	0	(a)
7/16/2021 10:17	0	0	(a)
7/16/2021 10:18	0	0	(a)
7/16/2021 10:19	0	0	0.037
7/16/2021 10:20	0	0	(a)
7/16/2021 10:21	0	0	(a)
7/16/2021 10:22	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 10:23	0	0	(a)
7/16/2021 10:24	0	0	0.036
7/16/2021 10:25	0	0	(a)
7/16/2021 10:26	0	0	(a)
7/16/2021 10:27	0	0	(a)
7/16/2021 10:28	0	0	(a)
7/16/2021 10:29	0	0	0.037
7/16/2021 10:30	0	0	(a)
7/16/2021 10:31	0	0	(a)
7/16/2021 10:32	0	0	(a)
7/16/2021 10:33	0	0	(a)
7/16/2021 10:34	0	0	0.036
7/16/2021 10:35	0	0	(a)
7/16/2021 10:36	0	0	(a)
7/16/2021 10:37	0	0	(a)
7/16/2021 10:38	0	0	(a)
7/16/2021 10:39	0	0	0.036
7/16/2021 10:40	0	0	(a)
7/16/2021 10:41	0	0	(a)
7/16/2021 10:42	0	0	(a)
7/16/2021 10:43	0	0	(a)
7/16/2021 10:44	0	0	0.036
7/16/2021 10:45	0	0	(a)
7/16/2021 10:46	0	0	(a)
7/16/2021 10:47	0	0	(a)
7/16/2021 10:48	0	0	(a)
7/16/2021 10:49	0	0	0.036
7/16/2021 10:50	0	0	(a)
7/16/2021 10:51	0	0	(a)
7/16/2021 10:52	0	0	(a)
7/16/2021 10:53	0	0	(a)
7/16/2021 10:54	0	0	0.037
7/16/2021 10:55	0	0	(a)
7/16/2021 10:56	0	0	(a)
7/16/2021 10:57	0	0	(a)
7/16/2021 10:58	0	0	(a)
7/16/2021 10:59	0	0	0.038
7/16/2021 11:00	0	0	(a)
7/16/2021 11:01	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 11:02	0	0	(a)
7/16/2021 11:03	0	0	(a)
7/16/2021 11:04	0	0	0.037
7/16/2021 11:05	0	0	(a)
7/16/2021 11:06	0	0	(a)
7/16/2021 11:07	0	0	(a)
7/16/2021 11:08	0	0	(a)
7/16/2021 11:09	0	0	0.037
7/16/2021 11:10	0	0	(a)
7/16/2021 11:11	0	0	(a)
7/16/2021 11:12	0	0	(a)
7/16/2021 11:13	0	0	(a)
7/16/2021 11:14	0	0	0.037
7/16/2021 11:15	0	0	(a)
7/16/2021 11:16	0	0	(a)
7/16/2021 11:17	0	0	(a)
7/16/2021 11:18	0	0	(a)
7/16/2021 11:19	0	0	0.057
7/16/2021 11:20	0	0	(a)
7/16/2021 11:21	0	0	(a)
7/16/2021 11:22	0	0	(a)
7/16/2021 11:23	0	0	(a)
7/16/2021 11:24	0	0	0.039
7/16/2021 11:25	0	0	(a)
7/16/2021 11:26	0	0	(a)
7/16/2021 11:27	0	0	(a)
7/16/2021 11:28	0	0	(a)
7/16/2021 11:29	0	0	0.041
7/16/2021 11:30	0	0	(a)
7/16/2021 11:31	0	0	(a)
7/16/2021 11:32	0	0	(a)
7/16/2021 11:33	0	0	(a)
7/16/2021 11:34	0	0	0.045
7/16/2021 11:35	0	0	(a)
7/16/2021 11:36	0	0	(a)
7/16/2021 11:37	0	0	(a)
7/16/2021 11:38	0	0	(a)
7/16/2021 11:39	0	0	0.042
7/16/2021 11:40	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 11:41	0	0	(a)
7/16/2021 11:42	0	0	(a)
7/16/2021 11:43	0	0	(a)
7/16/2021 11:44	0	0	0.041
7/16/2021 11:45	0	0	(a)
7/16/2021 11:46	0	0	(a)
7/16/2021 11:47	0	0	(a)
7/16/2021 11:48	0	0	(a)
7/16/2021 11:49	0	0	0.039
7/16/2021 11:50	0	0	(a)
7/16/2021 11:51	0	0	(a)
7/16/2021 11:52	0	0	(a)
7/16/2021 11:53	0	0	(a)
7/16/2021 11:54	0	0	0.041
7/16/2021 11:55	0	0	(a)
7/16/2021 11:56	0	0	(a)
7/16/2021 11:57	0	0	(a)
7/16/2021 11:58	0	0	(a)
7/16/2021 11:59	0	0	0.045
7/16/2021 12:00	0	0	(a)
7/16/2021 12:01	0	0	(a)
7/16/2021 12:02	0	0	(a)
7/16/2021 12:03	0	0	(a)
7/16/2021 12:04	0	0	0.04
7/16/2021 12:05	0	0	(a)
7/16/2021 12:06	0	0	(a)
7/16/2021 12:07	0	0	(a)
7/16/2021 12:08	0	0	(a)
7/16/2021 12:09	0	0	0.037
7/16/2021 12:10	0	0	(a)
7/16/2021 12:11	0	0	(a)
7/16/2021 12:12	0	0	(a)
7/16/2021 12:13	0	0	(a)
7/16/2021 12:14	0	0	0.037
7/16/2021 12:15	0	0	(a)
7/16/2021 12:16	0	0	(a)
7/16/2021 12:17	0	0	(a)
7/16/2021 12:18	0	0	(a)
7/16/2021 12:19	0	0	0.038

Record of Community Air Monitoring (Downwind Data) - 07/16/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/16/2021 12:20	0	0	(a)
7/16/2021 12:21	0	0	(a)
7/16/2021 12:22	0	0	(a)
7/16/2021 12:23	0	0	(a)
7/16/2021 12:24	0	0	0.039
7/16/2021 12:25	0	0	(a)
7/16/2021 12:26	0	0	(a)
7/16/2021 12:27	0	0	(a)
7/16/2021 12:28	0	0	(a)
7/16/2021 12:29	0	0	0.039
7/16/2021 12:30	0	0	(a)
7/16/2021 12:31	0	0	(a)
7/16/2021 12:32	0	0	(a)
7/16/2021 12:33	0	0	(a)
7/16/2021 12:34	0	0	0.039
7/16/2021 12:35	0	0	(a)
7/16/2021 12:36	0	0	(a)
7/16/2021 12:37	0	0	(a)
7/16/2021 12:38	0	0	(a)
7/16/2021 12:39	0	0	0.037
7/16/2021 12:40	0	0	(a)
7/16/2021 12:41	0	0	(a)
7/16/2021 12:42	0	0	(a)
7/16/2021 12:43	0	0	(a)
7/16/2021 12:44	0	0	(a)
7/16/2021 12:45	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 5- minute intervals.

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 7:53	0	0	(a)
7/19/2021 7:54	0	0	0.002
7/19/2021 7:55	0	0	(a)
7/19/2021 7:56	0	0	(a)
7/19/2021 7:57	0	0	(a)
7/19/2021 7:58	0	0	(a)
7/19/2021 7:59	0	0	0.001
7/19/2021 8:00	0	0	(a)
7/19/2021 8:01	0	0	(a)
7/19/2021 8:02	0	0	(a)
7/19/2021 8:03	0	0	(a)
7/19/2021 8:04	0	0	0.001
7/19/2021 8:05	0	0	(a)
7/19/2021 8:06	0	0	(a)
7/19/2021 8:07	0	0	(a)
7/19/2021 8:08	0	0	(a)
7/19/2021 8:09	0	0	0.002
7/19/2021 8:10	0	0	(a)
7/19/2021 8:11	0	0	(a)
7/19/2021 8:12	0	0	(a)
7/19/2021 8:13	0	0	(a)
7/19/2021 8:14	0	0	0.002
7/19/2021 8:15	0	0	(a)
7/19/2021 8:16	0	0	(a)
7/19/2021 8:17	0	0	(a)
7/19/2021 8:18	0	0	(a)
7/19/2021 8:19	0	0	0.002
7/19/2021 8:20	0	0	(a)
7/19/2021 8:21	0	0	(a)
7/19/2021 8:22	0	0	(a)
7/19/2021 8:23	0	0	(a)
7/19/2021 8:24	0	0	0.002
7/19/2021 8:25	0	0	(a)
7/19/2021 8:26	0	0	(a)
7/19/2021 8:27	0	0	(a)
7/19/2021 8:28	0	0	(a)
7/19/2021 8:29	0	0	0.002
7/19/2021 8:30	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 8:31	0	0	(a)
7/19/2021 8:32	0	0	(a)
7/19/2021 8:33	0	0	(a)
7/19/2021 8:34	0	0	0.004
7/19/2021 8:35	0	0	(a)
7/19/2021 8:36	0	0	(a)
7/19/2021 8:37	0	0	(a)
7/19/2021 8:38	0	0	(a)
7/19/2021 8:39	0	0	0.004
7/19/2021 8:40	0	0	(a)
7/19/2021 8:41	0	0	(a)
7/19/2021 8:42	0	0	(a)
7/19/2021 8:43	0	0	(a)
7/19/2021 8:44	0	0	0.004
7/19/2021 8:45	0	0	(a)
7/19/2021 8:46	0	0	(a)
7/19/2021 8:47	0	0	(a)
7/19/2021 8:48	0	0	(a)
7/19/2021 8:49	0	0	0.004
7/19/2021 8:50	0	0	(a)
7/19/2021 8:51	0	0	(a)
7/19/2021 8:52	0	0	(a)
7/19/2021 8:53	0	0	(a)
7/19/2021 8:54	0	0	0.003
7/19/2021 8:55	0	0	(a)
7/19/2021 8:56	0	0	(a)
7/19/2021 8:57	0	0	(a)
7/19/2021 8:58	0	0	(a)
7/19/2021 8:59	0	0	0.003
7/19/2021 9:00	0	0	(a)
7/19/2021 9:01	0	0	(a)
7/19/2021 9:02	0	0	(a)
7/19/2021 9:03	0	0	(a)
7/19/2021 9:04	0	0	0.003
7/19/2021 9:05	0	0	(a)
7/19/2021 9:06	0	0	(a)
7/19/2021 9:07	0	0	(a)
7/19/2021 9:08	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 9:09	0	0	0.005
7/19/2021 9:10	0	0	(a)
7/19/2021 9:11	0	0	(a)
7/19/2021 9:12	0	0	(a)
7/19/2021 9:13	0	0	(a)
7/19/2021 9:14	0	0	0.004
7/19/2021 9:15	0	0	(a)
7/19/2021 9:16	0	0	(a)
7/19/2021 9:17	0	0	(a)
7/19/2021 9:18	0	0	(a)
7/19/2021 9:19	0	0	0.004
7/19/2021 9:20	0	0	(a)
7/19/2021 9:21	0	0	(a)
7/19/2021 9:22	0	0	(a)
7/19/2021 9:23	0	0	(a)
7/19/2021 9:24	0	0	0.004
7/19/2021 9:25	0	0	(a)
7/19/2021 9:26	0	0	(a)
7/19/2021 9:27	0	0	(a)
7/19/2021 9:28	0	0	(a)
7/19/2021 9:29	0	0	0.004
7/19/2021 9:30	0	0	(a)
7/19/2021 9:31	0	0	(a)
7/19/2021 9:32	0	0	(a)
7/19/2021 9:33	0	0	(a)
7/19/2021 9:34	0	0	0.003
7/19/2021 9:35	0	0	(a)
7/19/2021 9:36	0	0	(a)
7/19/2021 9:37	0	0	(a)
7/19/2021 9:38	0	0	(a)
7/19/2021 9:39	0	0	0.003
7/19/2021 9:40	0	0	(a)
7/19/2021 9:41	0	0	(a)
7/19/2021 9:42	0	0	(a)
7/19/2021 9:43	0	0	(a)
7/19/2021 9:44	0	0	0.003
7/19/2021 9:45	0	0	(a)
7/19/2021 9:46	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 9:47	0	0	(a)
7/19/2021 9:48	0	0	(a)
7/19/2021 9:49	0	0	0.004
7/19/2021 9:50	0	0	(a)
7/19/2021 9:51	0	0	(a)
7/19/2021 9:52	0	0	(a)
7/19/2021 9:53	0	0	(a)
7/19/2021 9:54	0	0	0.004
7/19/2021 9:55	0	0	(a)
7/19/2021 9:56	0	0	(a)
7/19/2021 9:57	0	0	(a)
7/19/2021 9:58	0	0	(a)
7/19/2021 9:59	0	0	0.004
7/19/2021 10:00	0	0	(a)
7/19/2021 10:01	0	0	(a)
7/19/2021 10:02	0	0	(a)
7/19/2021 10:03	0	0	(a)
7/19/2021 10:04	0	0	0.004
7/19/2021 10:05	0	0	(a)
7/19/2021 10:06	0	0	(a)
7/19/2021 10:07	0	0	(a)
7/19/2021 10:08	0	0	(a)
7/19/2021 10:09	0	0	0.004
7/19/2021 10:10	0	0	(a)
7/19/2021 10:11	0	0	(a)
7/19/2021 10:12	0	0	(a)
7/19/2021 10:13	0	0	(a)
7/19/2021 10:14	0	0	0.004
7/19/2021 10:15	0	0	(a)
7/19/2021 10:16	0	0	(a)
7/19/2021 10:17	0	0	(a)
7/19/2021 10:18	0	0	(a)
7/19/2021 10:19	0	0	0.045
7/19/2021 10:20	0	0	(a)
7/19/2021 10:21	0	0	(a)
7/19/2021 10:22	0	0	(a)
7/19/2021 10:23	0	0	(a)
7/19/2021 10:24	0	0	0.004

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 10:25	0	0	(a)
7/19/2021 10:26	0	0	(a)
7/19/2021 10:27	0	0	(a)
7/19/2021 10:28	0	0	(a)
7/19/2021 10:29	0	0	0.005
7/19/2021 10:30	0	0	(a)
7/19/2021 10:31	0	0	(a)
7/19/2021 10:32	0	0	(a)
7/19/2021 10:33	0	0	(a)
7/19/2021 10:34	0	0	0.004
7/19/2021 10:35	0	0	(a)
7/19/2021 10:36	0	0	(a)
7/19/2021 10:37	0	0	(a)
7/19/2021 10:38	0	0	(a)
7/19/2021 10:39	0	0	0.006
7/19/2021 10:40	0	0	(a)
7/19/2021 10:41	0	0	(a)
7/19/2021 10:42	0	0	(a)
7/19/2021 10:43	0	0	(a)
7/19/2021 10:44	0	0	0.006
7/19/2021 10:45	0	0	(a)
7/19/2021 10:46	0	0	(a)
7/19/2021 10:47	0	0	(a)
7/19/2021 10:48	0	0	(a)
7/19/2021 10:49	0	0	0.005
7/19/2021 10:50	0	0	(a)
7/19/2021 10:51	0	0	(a)
7/19/2021 10:52	0	0	(a)
7/19/2021 10:53	0	0	(a)
7/19/2021 10:54	0	0	0.005
7/19/2021 10:55	0	0	(a)
7/19/2021 10:56	0	0	(a)
7/19/2021 10:57	0	0	(a)
7/19/2021 10:58	0	0	(a)
7/19/2021 10:59	0	0	0.004
7/19/2021 11:00	0	0	(a)
7/19/2021 11:01	0	0	(a)
7/19/2021 11:02	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 11:03	0	0	(a)
7/19/2021 11:04	0	0	0.005
7/19/2021 11:05	0	0	(a)
7/19/2021 11:06	0	0	(a)
7/19/2021 11:07	0	0	(a)
7/19/2021 11:08	0	0	(a)
7/19/2021 11:09	0	0	0.005
7/19/2021 11:10	0	0	(a)
7/19/2021 11:11	0	0	(a)
7/19/2021 11:12	0	0	(a)
7/19/2021 11:13	0	0	(a)
7/19/2021 11:14	0	0	0.005
7/19/2021 11:15	0	0	(a)
7/19/2021 11:16	0	0	(a)
7/19/2021 11:17	0	0	(a)
7/19/2021 11:18	0	0	(a)
7/19/2021 11:19	0	0	0.005
7/19/2021 11:20	0	0	(a)
7/19/2021 11:21	0	0	(a)
7/19/2021 11:22	0	0	(a)
7/19/2021 11:23	0	0	(a)
7/19/2021 11:24	0	0	0.005
7/19/2021 11:25	0	0	(a)
7/19/2021 11:26	0	0	(a)
7/19/2021 11:27	0	0	(a)
7/19/2021 11:28	0	0	(a)
7/19/2021 11:29	0	0	0.005
7/19/2021 11:30	0	0	(a)
7/19/2021 11:31	0	0	(a)
7/19/2021 11:32	0	0	(a)
7/19/2021 11:33	0	0	(a)
7/19/2021 11:34	0	0	0.005
7/19/2021 11:35	0	0	(a)
7/19/2021 11:36	0	0	(a)
7/19/2021 11:37	0	0	(a)
7/19/2021 11:38	0	0	(a)
7/19/2021 11:39	0	0	0.005
7/19/2021 11:40	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 11:41	0	0	(a)
7/19/2021 11:42	0	0	(a)
7/19/2021 11:43	0	0	(a)
7/19/2021 11:44	0	0	0.005
7/19/2021 11:45	0	0	(a)
7/19/2021 11:46	0	0	(a)
7/19/2021 11:47	0	0	(a)
7/19/2021 11:48	0	0	(a)
7/19/2021 11:49	0	0	0.006
7/19/2021 11:50	0	0	(a)
7/19/2021 11:51	0	0	(a)
7/19/2021 11:52	0	0	(a)
7/19/2021 11:53	0	0	(a)
7/19/2021 11:54	0	0	0.005
7/19/2021 11:55	0	0	(a)
7/19/2021 11:56	0	0	(a)
7/19/2021 11:57	0	0	(a)
7/19/2021 11:58	0	0	(a)
7/19/2021 11:59	0	0	0.005
7/19/2021 12:00	0	0	(a)
7/19/2021 12:01	0	0	(a)
7/19/2021 12:02	0	0	(a)
7/19/2021 12:03	0	0	(a)
7/19/2021 12:04	0	0	0.005
7/19/2021 12:05	0	0	(a)
7/19/2021 12:06	0	0	(a)
7/19/2021 12:07	0	0	(a)
7/19/2021 12:08	0	0	(a)
7/19/2021 12:09	0	0	0.006
7/19/2021 12:10	0	0	(a)
7/19/2021 12:11	0	0	(a)
7/19/2021 12:12	0	0	(a)
7/19/2021 12:13	0	0	(a)
7/19/2021 12:14	0	0	0.006
7/19/2021 12:15	0	0	(a)
7/19/2021 12:16	0	0	(a)
7/19/2021 12:17	0	0	(a)
7/19/2021 12:18	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 12:19	0	0	0.006
7/19/2021 12:20	0	0	(a)
7/19/2021 12:21	0	0	(a)
7/19/2021 12:22	0	0	(a)
7/19/2021 12:23	0	0	(a)
7/19/2021 12:24	0	0	0.006
7/19/2021 12:25	0	0	(a)
7/19/2021 12:26	0	0	(a)
7/19/2021 12:27	0	0	(a)
7/19/2021 12:28	0	0	(a)
7/19/2021 12:29	0	0	0.006
7/19/2021 12:30	0	0	(a)
7/19/2021 12:31	0	0	(a)
7/19/2021 12:32	0	0	(a)
7/19/2021 12:33	0	0	(a)
7/19/2021 12:34	0	0	0.006
7/19/2021 12:35	0	0	(a)
7/19/2021 12:36	0	0	(a)
7/19/2021 12:37	0	0	(a)
7/19/2021 12:38	0	0	(a)
7/19/2021 12:39	0	0	0.007
7/19/2021 12:40	0	0	(a)
7/19/2021 12:41	0	0	(a)
7/19/2021 12:42	0	0	(a)
7/19/2021 12:43	0	0	(a)
7/19/2021 12:44	0	0	0.009
7/19/2021 12:45	0	0	(a)
7/19/2021 12:46	0	0	(a)
7/19/2021 12:47	0	0	(a)
7/19/2021 12:48	0	0	(a)
7/19/2021 12:49	0	0	0.007
7/19/2021 12:50	0	0	(a)
7/19/2021 12:51	0	0	(a)
7/19/2021 12:52	0	0	(a)
7/19/2021 12:53	0	0	(a)
7/19/2021 12:54	0	0	0.009
7/19/2021 12:55	0	0	(a)
7/19/2021 12:56	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 12:57	0	0	(a)
7/19/2021 12:58	0	0	(a)
7/19/2021 12:59	0	0	0.009
7/19/2021 13:00	0	0	(a)
7/19/2021 13:01	0	0	(a)
7/19/2021 13:02	0	0	(a)
7/19/2021 13:03	0	0	(a)
7/19/2021 13:04	0	0	0.01
7/19/2021 13:05	0	0	(a)
7/19/2021 13:06	0	0	(a)
7/19/2021 13:07	0	0	(a)
7/19/2021 13:08	0	0	(a)
7/19/2021 13:09	0	0	0.007
7/19/2021 13:10	0	0	(a)
7/19/2021 13:11	0	0	(a)
7/19/2021 13:12	0	0	(a)
7/19/2021 13:13	0	0	(a)
7/19/2021 13:14	0	0	0.006
7/19/2021 13:15	0	0	(a)
7/19/2021 13:16	0	0	(a)
7/19/2021 13:17	0	0	(a)
7/19/2021 13:18	0	0	(a)
7/19/2021 13:19	0	0	0.007
7/19/2021 13:20	0	0	(a)
7/19/2021 13:21	0	0	(a)
7/19/2021 13:22	0	0	(a)
7/19/2021 13:23	0	0	(a)
7/19/2021 13:24	0	0	0.006
7/19/2021 13:25	0	0	(a)
7/19/2021 13:26	0	0	(a)
7/19/2021 13:27	0	0	(a)
7/19/2021 13:28	0	0	(a)
7/19/2021 13:29	0	0	0.006
7/19/2021 13:30	0	0	(a)
7/19/2021 13:31	0	0	(a)
7/19/2021 13:32	0	0	(a)
7/19/2021 13:33	0	0	(a)
7/19/2021 13:34	0	0	0.006

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 13:35	0	0	(a)
7/19/2021 13:36	0	0	(a)
7/19/2021 13:37	0	0	(a)
7/19/2021 13:38	0	0	(a)
7/19/2021 13:39	0	0	0.006
7/19/2021 13:40	0	0	(a)
7/19/2021 13:41	0	0	(a)
7/19/2021 13:42	0	0	(a)
7/19/2021 13:43	0	0	(a)
7/19/2021 13:44	0	0	0.006
7/19/2021 13:45	0	0	(a)
7/19/2021 13:46	0	0	(a)
7/19/2021 13:47	0	0	(a)
7/19/2021 13:48	0	0	(a)
7/19/2021 13:49	0	0	0.006
7/19/2021 13:50	0	0	(a)
7/19/2021 13:51	0	0	(a)
7/19/2021 13:52	0	0	(a)
7/19/2021 13:53	0	0	(a)
7/19/2021 13:54	0	0	0.006
7/19/2021 13:55	0	0	(a)
7/19/2021 13:56	0	0	(a)
7/19/2021 13:57	0	0	(a)
7/19/2021 13:58	0	0	(a)
7/19/2021 13:59	0	0	0.006
7/19/2021 14:00	0	0	(a)
7/19/2021 14:01	0	0	(a)
7/19/2021 14:02	0	0	(a)
7/19/2021 14:03	0	0	(a)
7/19/2021 14:04	0	0	0.006
7/19/2021 14:05	0	0	(a)
7/19/2021 14:06	0	0	(a)
7/19/2021 14:07	0	0	(a)
7/19/2021 14:08	0	0	(a)
7/19/2021 14:09	0	0	0.007
7/19/2021 14:10	0	0	(a)
7/19/2021 14:11	0	0	(a)
7/19/2021 14:12	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/2021 14:13	0	0	(a)
7/19/2021 14:14	0	0	0.007
7/19/2021 14:15	0	0	(a)
7/19/2021 14:16	0	0	(a)
7/19/2021 14:17	0	0	(a)
7/19/2021 14:18	0	0	(a)
7/19/2021 14:19	0	0	0.007
7/19/2021 14:20	0	0	(a)
7/19/2021 14:21	0	0	(a)
7/19/2021 14:22	0	0	(a)
7/19/2021 14:23	0	0	(a)
7/19/2021 14:24	0	0	0.006
7/19/2021 14:25	0	0	(a)
7/19/2021 14:26	0	0	(a)
7/19/2021 14:27	0	0	(a)
7/19/2021 14:28	0	0	(a)
7/19/2021 14:29	0	0	0.008
7/19/2021 14:30	0	0	(a)
7/19/2021 14:31	0	0	(a)
7/19/2021 14:32	0	0	(a)
7/19/2021 14:33	0	0	(a)
7/19/2021 14:34	0	0	0.007
7/19/2021 14:35	0	0	(a)
7/19/2021 14:36	0	0	(a)
7/19/2021 14:37	0	0	(a)
7/19/2021 14:38	0	0	(a)
7/19/2021 14:39	0	0	0.007
7/19/2021 14:40	0	0	(a)
7/19/2021 14:41	0	0	(a)
7/19/2021 14:42	0	0	(a)
7/19/2021 14:43	0	0	(a)
7/19/2021 14:44	0	0	0.007
7/19/2021 14:45	0	0	(a)
7/19/2021 14:46	0	0	(a)
7/19/2021 14:47	0	0	(a)
7/19/2021 14:48	0	0	(a)
7/19/2021 14:49	0	0	0.007
7/19/21 14:50	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/21 14:51	0	0	(a)
7/19/21 14:52	0	0	(a)
7/19/21 14:53	0	0	(a)
7/19/21 14:54	0	0	0.007
7/19/21 14:55	0	0	(a)
7/19/21 14:56	0	0	(a)
7/19/21 14:57	0	0	(a)
7/19/21 14:58	0	0	(a)
7/19/21 14:59	0	0	0.008
7/19/21 15:00	0	0	(a)
7/19/21 15:01	0	0	(a)
7/19/21 15:02	0	0	(a)
7/19/21 15:03	0	0	(a)
7/19/21 15:04	0	0	0.009
7/19/21 15:05	0	0	(a)
7/19/21 15:06	0	0	(a)
7/19/21 15:07	0	0	(a)
7/19/21 15:08	0	0	(a)
7/19/21 15:09	0	0	0.007
7/19/21 15:10	0	0	(a)
7/19/21 15:11	0	0	(a)
7/19/21 15:12	0	0	(a)
7/19/21 15:13	0	0	(a)
7/19/21 15:14	0	0	0.007
7/19/21 15:15	0	0	(a)
7/19/21 15:16	0	0	(a)
7/19/21 15:17	0	0	(a)
7/19/21 15:18	0	0	(a)
7/19/21 15:19	0	0	0.008
7/19/21 15:20	0	0	(a)
7/19/21 15:21	0	0	(a)
7/19/21 15:22	0	0	(a)
7/19/21 15:23	0	0	(a)
7/19/21 15:24	0	0	0.007
7/19/21 15:25	0	0	(a)
7/19/21 15:26	0	0	(a)
7/19/21 15:27	0	0	(a)
7/19/21 15:28	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/21 15:29	0	0	0.007
7/19/21 15:30	0	0	(a)
7/19/21 15:31	0	0	(a)
7/19/21 15:32	0	0	(a)
7/19/21 15:33	0	0	(a)
7/19/21 15:34	0	0	0.007
7/19/21 15:35	0	0	(a)
7/19/21 15:36	0	0	(a)
7/19/21 15:37	0	0	(a)
7/19/21 15:38	0	0	(a)
7/19/21 15:39	0	0	0.007
7/19/21 15:40	0	0	(a)
7/19/21 15:41	0	0	(a)
7/19/21 15:42	0	0	(a)
7/19/21 15:43	0	0	(a)
7/19/21 15:44	0	0	0.008
7/19/21 15:45	0	0	(a)
7/19/21 15:46	0	0	(a)
7/19/21 15:47	0	0	(a)
7/19/21 15:48	0	0	(a)
7/19/21 15:49	0	0	0.007
7/19/21 15:50	0	0	(a)
7/19/21 15:51	0	0	(a)
7/19/21 15:52	0	0	(a)
7/19/21 15:53	0	0	(a)
7/19/21 15:54	0	0	0.009
7/19/21 15:55	0	0	(a)
7/19/21 15:56	0	0	(a)
7/19/21 15:57	0	0	(a)
7/19/21 15:58	0	0	(a)
7/19/21 15:59	0	0	0.007
7/19/21 16:00	0	0	(a)
7/19/21 16:01	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/19/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/19/21 16:02	0	0	(a)
7/19/21 16:03	0	0	(a)
7/19/21 16:04	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 5 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 9:21	0	0	(a)
7/20/2021 9:22	0	0	0.1
7/20/2021 9:23	0	0	(a)
7/20/2021 9:24	0	0	(a)
7/20/2021 9:25	0	0	(a)
7/20/2021 9:26	0	0	(a)
7/20/2021 9:27	0	0	0.1
7/20/2021 9:28	0	0	(a)
7/20/2021 9:29	0	0	(a)
7/20/2021 9:30	0	0	(a)
7/20/2021 9:31	0	0	(a)
7/20/2021 9:32	0	0	0.107
7/20/2021 9:33	0	0	(a)
7/20/2021 9:34	0	0	(a)
7/20/2021 9:35	0	0	(a)
7/20/2021 9:36	0	0	(a)
7/20/2021 9:37	0	0	0.106
7/20/2021 9:38	0	0	(a)
7/20/2021 9:39	0	0	(a)
7/20/2021 9:40	0	0	(a)
7/20/2021 9:41	0	0	(a)
7/20/2021 9:42	0	0	0.096
7/20/2021 9:43	0	0	(a)
7/20/2021 9:44	0	0	(a)
7/20/2021 9:45	0	0	(a)
7/20/2021 9:46	0	0	(a)
7/20/2021 9:47	0	0	0.098
7/20/2021 9:48	0	0	(a)
7/20/2021 9:49	0	0	(a)
7/20/2021 9:50	0	0	(a)
7/20/2021 9:51	0	0	(a)
7/20/2021 9:52	0	0	0.102
7/20/2021 9:53	0	0	(a)
7/20/2021 9:54	0	0	(a)
7/20/2021 9:55	0	0	(a)
7/20/2021 9:56	0	0	(a)
7/20/2021 9:57	0	0	0.103
7/20/2021 9:58	0	0	(a)
7/20/2021 9:59	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 10:00	0	0	(a)
7/20/2021 10:01	0	0	(a)
7/20/2021 10:02	0	0	0.109
7/20/2021 10:03	0	0	(a)
7/20/2021 10:04	0	0	(a)
7/20/2021 10:05	0	0	(a)
7/20/2021 10:06	0	0	(a)
7/20/2021 10:07	0	0	0.106
7/20/2021 10:08	0	0	(a)
7/20/2021 10:09	0	0	(a)
7/20/2021 10:10	0	0	(a)
7/20/2021 10:11	0	0	(a)
7/20/2021 10:12	0	0	0.111
7/20/2021 10:13	0	0	(a)
7/20/2021 10:14	0	0	(a)
7/20/2021 10:15	0	0	(a)
7/20/2021 10:16	0	0	(a)
7/20/2021 10:17	0	0	0.113
7/20/2021 10:18	0	0	(a)
7/20/2021 10:19	0	0	(a)
7/20/2021 10:20	0	0	(a)
7/20/2021 10:21	0	0	(a)
7/20/2021 10:22	0	0	0.109
7/20/2021 10:23	0	0	(a)
7/20/2021 10:24	0	0	(a)
7/20/2021 10:25	0	0	(a)
7/20/2021 10:26	0	0	(a)
7/20/2021 10:27	0	0	0.109
7/20/2021 10:28	0	0	(a)
7/20/2021 10:29	0	0	(a)
7/20/2021 10:30	0	0	(a)
7/20/2021 10:31	0	0	(a)
7/20/2021 10:32	0	0	0.113
7/20/2021 10:33	0	0	(a)
7/20/2021 10:34	0	0	(a)
7/20/2021 10:35	0	0	(a)
7/20/2021 10:36	0	0	(a)
7/20/2021 10:37	0	0	0.109
7/20/2021 10:38	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 10:39	0	0	(a)
7/20/2021 10:40	0	0	(a)
7/20/2021 10:41	0	0	(a)
7/20/2021 10:42	0	0	0.11
7/20/2021 10:43	0	0	(a)
7/20/2021 10:44	0	0	(a)
7/20/2021 10:45	0	0	(a)
7/20/2021 10:46	0	0	(a)
7/20/2021 10:47	0	0	0.11
7/20/2021 10:48	0	0	(a)
7/20/2021 10:49	0	0	(a)
7/20/2021 10:50	0	0	(a)
7/20/2021 10:51	0	0	(a)
7/20/2021 10:52	0	0	0.108
7/20/2021 10:53	0	0	(a)
7/20/2021 10:54	0	0	(a)
7/20/2021 10:55	0	0	(a)
7/20/2021 10:56	0	0	(a)
7/20/2021 10:57	0	0	0.109
7/20/2021 10:58	0	0	(a)
7/20/2021 10:59	0	0	(a)
7/20/2021 11:00	0	0	(a)
7/20/2021 11:01	0	0	(a)
7/20/2021 11:02	0	0	0.11
7/20/2021 11:03	0	0	(a)
7/20/2021 11:04	0	0	(a)
7/20/2021 11:05	0	0	(a)
7/20/2021 11:06	0	0	(a)
7/20/2021 11:07	0	0	0.11
7/20/2021 11:08	0	0	(a)
7/20/2021 11:09	0	0	(a)
7/20/2021 11:10	0	0	(a)
7/20/2021 11:11	0	0	(a)
7/20/2021 11:12	0	0	0.113
7/20/2021 11:13	0	0	(a)
7/20/2021 11:14	0	0	(a)
7/20/2021 11:15	0	0	(a)
7/20/2021 11:16	0	0	(a)
7/20/2021 11:17	0	0	0.115

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 11:18	0	0	(a)
7/20/2021 11:19	0	0	(a)
7/20/2021 11:20	0	0	(a)
7/20/2021 11:21	0	0	(a)
7/20/2021 11:22	0	0	0.116
7/20/2021 11:23	0	0	(a)
7/20/2021 11:24	0	0	(a)
7/20/2021 11:25	0	0	(a)
7/20/2021 11:26	0	0	(a)
7/20/2021 11:27	0	0	0.119
7/20/2021 11:28	0	0	(a)
7/20/2021 11:29	0	0	(a)
7/20/2021 11:30	0	0	(a)
7/20/2021 11:31	0	0	(a)
7/20/2021 11:32	0	0	0.119
7/20/2021 11:33	0	0	(a)
7/20/2021 11:34	0	0	(a)
7/20/2021 11:35	0	0	(a)
7/20/2021 11:36	0	0	(a)
7/20/2021 11:37	0	0	0.122
7/20/2021 11:38	0	0	(a)
7/20/2021 11:39	0	0	(a)
7/20/2021 11:40	0	0	(a)
7/20/2021 11:41	0	0	(a)
7/20/2021 11:42	0	0	0.121
7/20/2021 11:43	0	0	(a)
7/20/2021 11:44	0	0	(a)
7/20/2021 11:45	0	0	(a)
7/20/2021 11:46	0	0	(a)
7/20/2021 11:47	0	0	0.121
7/20/2021 11:48	0	0	(a)
7/20/2021 11:49	0	0	(a)
7/20/2021 11:50	0	0	(a)
7/20/2021 11:51	0	0	(a)
7/20/2021 11:52	0	0	0.122
7/20/2021 11:53	0	0	(a)
7/20/2021 11:54	0	0	(a)
7/20/2021 11:55	0	0	(a)
7/20/2021 11:56	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 11:57	0	0	0.122
7/20/2021 11:58	0	0	(a)
7/20/2021 11:59	0	0	(a)
7/20/2021 12:00	0	0	(a)
7/20/2021 12:01	0	0	(a)
7/20/2021 12:02	0	0	0.122
7/20/2021 12:03	0	0	(a)
7/20/2021 12:04	0	0	(a)
7/20/2021 12:05	0	0	(a)
7/20/2021 12:06	0	0	(a)
7/20/2021 12:07	0	0	0.134
7/20/2021 12:08	0	0	(a)
7/20/2021 12:09	0	0	(a)
7/20/2021 12:10	0	0	(a)
7/20/2021 12:11	0	0	(a)
7/20/2021 12:12	0	0	0.136
7/20/2021 12:13	0	0	(a)
7/20/2021 12:14	0	0	(a)
7/20/2021 12:15	0	0	(a)
7/20/2021 12:16	0	0	(a)
7/20/2021 12:17	0	0	0.125
7/20/2021 12:18	0	0	(a)
7/20/2021 12:19	0	0	(a)
7/20/2021 12:20	0	0	(a)
7/20/2021 12:21	0	0	(a)
7/20/2021 12:22	0	0	0.127
7/20/2021 12:23	0	0	(a)
7/20/2021 12:24	0	0	(a)
7/20/2021 12:25	0	0	(a)
7/20/2021 12:26	0	0	(a)
7/20/2021 12:27	0	0	0.127
7/20/2021 12:28	0	0	(a)
7/20/2021 12:29	0	0	(a)
7/20/2021 12:30	0	0	(a)
7/20/2021 12:31	0	0	(a)
7/20/2021 12:32	0	0	0.13
7/20/2021 12:33	0	0	(a)
7/20/2021 12:34	0	0	(a)
7/20/2021 12:35	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 12:36	0	0	(a)
7/20/2021 12:37	0	0	0.131
7/20/2021 12:38	0	0	(a)
7/20/2021 12:39	0	0	(a)
7/20/2021 12:40	0	0	(a)
7/20/2021 12:41	0	0	(a)
7/20/2021 12:42	0	0	0.135
7/20/2021 12:43	0	0	(a)
7/20/2021 12:44	0	0	(a)
7/20/2021 12:45	0	0	(a)
7/20/2021 12:46	0	0	(a)
7/20/2021 12:47	0	0	0.135
7/20/2021 12:48	0	0	(a)
7/20/2021 12:49	0	0	(a)
7/20/2021 12:50	0	0	(a)
7/20/2021 12:51	0	0	(a)
7/20/2021 12:52	0	0	0.134
7/20/2021 12:53	0	0	(a)
7/20/2021 12:54	0	0	(a)
7/20/2021 12:55	0	0	(a)
7/20/2021 12:56	0	0	(a)
7/20/2021 12:57	0	0	0.132
7/20/2021 12:58	0	0	(a)
7/20/2021 12:59	0	0	(a)
7/20/2021 13:00	0	0	(a)
7/20/2021 13:01	0	0	(a)
7/20/2021 13:02	0	0	0.131
7/20/2021 13:03	0	0	(a)
7/20/2021 13:04	0	0	(a)
7/20/2021 13:05	0	0	(a)
7/20/2021 13:06	0	0	(a)
7/20/2021 13:07	0	0	0.129
7/20/2021 13:08	0	0	(a)
7/20/2021 13:09	0	0	(a)
7/20/2021 13:10	0	0	(a)
7/20/2021 13:11	0	0	(a)
7/20/2021 13:12	0	0	0.131
7/20/2021 13:13	0	0	(a)
7/20/2021 13:14	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 13:15	0	0	(a)
7/20/2021 13:16	0	0	(a)
7/20/2021 13:17	0	0	0.134
7/20/2021 13:18	0	0	(a)
7/20/2021 13:19	0	0	(a)
7/20/2021 13:20	0	0	(a)
7/20/2021 13:21	0	0	(a)
7/20/2021 13:22	0	0	0.134
7/20/2021 13:23	0	0	(a)
7/20/2021 13:24	0	0	(a)
7/20/2021 13:25	0	0	(a)
7/20/2021 13:26	0	0	(a)
7/20/2021 13:27	0	0	0.133
7/20/2021 13:28	0	0	(a)
7/20/2021 13:29	0	0	(a)
7/20/2021 13:30	0	0	(a)
7/20/2021 13:31	0	0	(a)
7/20/2021 13:32	0	0	0.134
7/20/2021 13:33	0	0	(a)
7/20/2021 13:34	0	0	(a)
7/20/2021 13:35	0	0	(a)
7/20/2021 13:36	0	0	(a)
7/20/2021 13:37	0	0	0.139
7/20/2021 13:38	0	0	(a)
7/20/2021 13:40	0	0	(a)
7/20/2021 13:41	0	0	(a)
7/20/2021 13:42	0	0	0.139
7/20/2021 13:43	0	0	(a)
7/20/2021 13:44	0	0	(a)
7/20/2021 13:45	0	0	(a)
7/20/2021 13:46	0	0	(a)
7/20/2021 13:47	0	0	0.14
7/20/2021 13:48	0	0	(a)
7/20/2021 13:49	0	0	(a)
7/20/2021 13:50	0	0	(a)
7/20/2021 13:51	0	0	(a)
7/20/2021 13:52	0	0	0.136
7/20/2021 13:53	0	0	(a)
7/20/2021 13:39	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 13:54	0	0	(a)
7/20/2021 13:55	0	0	(a)
7/20/2021 13:56	0	0	(a)
7/20/2021 13:57	0	0	0.135
7/20/2021 13:58	0	0	(a)
7/20/2021 13:59	0	0	(a)
7/20/2021 14:00	0	0	(a)
7/20/2021 14:01	0	0	(a)
7/20/2021 14:02	0	0	0.135
7/20/2021 14:03	0	0	(a)
7/20/2021 14:04	0	0	(a)
7/20/2021 14:05	0	0	(a)
7/20/2021 14:06	0	0	(a)
7/20/2021 14:07	0	0	0.135
7/20/2021 14:08	0	0	(a)
7/20/2021 14:09	0	0	(a)
7/20/2021 14:10	0	0	(a)
7/20/2021 14:11	0	0	(a)
7/20/2021 14:12	0	0	0.135
7/20/2021 14:13	0	0	(a)
7/20/2021 14:14	0	0	(a)
7/20/2021 14:15	0	0	(a)
7/20/2021 14:16	0	0	(a)
7/20/2021 14:17	0	0	0.132
7/20/2021 14:18	0	0	(a)
7/20/2021 14:19	0	0	(a)
7/20/2021 14:20	0	0	(a)
7/20/2021 14:21	0	0	(a)
7/20/2021 14:22	0	0	0.132
7/20/2021 14:23	0	0	(a)
7/20/2021 14:24	0	0	(a)
7/20/2021 14:25	0	0	(a)
7/20/2021 14:26	0	0	(a)
7/20/2021 14:27	0	0	0.134
7/20/2021 14:28	0	0	(a)
7/20/2021 14:29	0	0	(a)
7/20/2021 14:30	0	0	(a)
7/20/2021 14:31	0	0	(a)
7/20/2021 14:32	0	0	0.135

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 14:33	0	0	(a)
7/20/2021 14:34	0	0	(a)
7/20/2021 14:35	0	0	(a)
7/20/2021 14:36	0	0	(a)
7/20/2021 14:37	0	0	0.134
7/20/2021 14:38	0	0	(a)
7/20/2021 14:39	0	0	(a)
7/20/2021 14:40	0	0	(a)
7/20/2021 14:41	0	0	(a)
7/20/2021 14:42	0	0	0.133
7/20/2021 14:43	0	0	(a)
7/20/2021 14:44	0	0	(a)
7/20/2021 14:45	0	0	(a)
7/20/2021 14:46	0	0	(a)
7/20/2021 14:47	0	0	0.133
7/20/2021 14:48	0	0	(a)
7/20/2021 14:49	0	0	(a)
7/20/2021 14:50	0	0	(a)
7/20/2021 14:51	0	0	(a)
7/20/2021 14:52	0	0	0.133
7/20/2021 14:53	0	0	(a)
7/20/2021 14:54	0	0	(a)
7/20/2021 14:55	0	0	(a)
7/20/2021 14:56	0	0	(a)
7/20/2021 14:57	0	0	0.132
7/20/2021 14:58	0	0	(a)
7/20/2021 14:59	0	0	(a)
7/20/2021 15:00	0	0	(a)
7/20/2021 15:01	0	0	(a)
7/20/2021 15:02	0	0	0.129
7/20/2021 15:03	0	0	(a)
7/20/2021 15:04	0	0	(a)
7/20/2021 15:05	0	0	(a)
7/20/2021 15:06	0	0	(a)
7/20/2021 15:07	0	0	0.129
7/20/2021 15:08	0	0	(a)
7/20/2021 15:09	0	0	(a)
7/20/2021 15:10	0	0	(a)
7/20/2021 15:11	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 15:12	0	0	0.127
7/20/2021 15:13	0	0	(a)
7/20/2021 15:14	0	0	(a)
7/20/2021 15:15	0	0	(a)
7/20/2021 15:16	0	0	(a)
7/20/2021 15:17	0	0	0.128
7/20/2021 15:18	0	0	(a)
7/20/2021 15:19	0	0	(a)
7/20/2021 15:20	0	0	(a)
7/20/2021 15:21	0	0	(a)
7/20/2021 15:22	0	0	0.13
7/20/2021 15:23	0	0	(a)
7/20/2021 15:24	0	0	(a)
7/20/2021 15:25	0	0	(a)
7/20/2021 15:26	0	0	(a)
7/20/2021 15:27	0	0	0.129
7/20/2021 15:28	0	0	(a)
7/20/2021 15:29	0	0	(a)
7/20/2021 15:30	0	0	(a)
7/20/2021 15:31	0	0	(a)
7/20/2021 15:32	0	0	0.128
7/20/2021 15:33	0	0	(a)
7/20/2021 15:34	0	0	(a)
7/20/2021 15:35	0	0	(a)
7/20/2021 15:36	0	0	(a)
7/20/2021 15:37	0	0	0.129
7/20/2021 15:38	0	0	(a)
7/20/2021 15:39	0	0	(a)
7/20/2021 15:40	0	0	(a)
7/20/2021 15:41	0	0	(a)
7/20/2021 15:42	0	0	0.129
7/20/2021 15:43	0	0	(a)
7/20/2021 15:44	0	0	(a)
7/20/2021 15:45	0	0	(a)
7/20/2021 15:46	0	0	(a)
7/20/2021 15:47	0	0	0.129
7/20/2021 15:48	0	0	(a)
7/20/2021 15:49	0	0	(a)
7/20/2021 15:50	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 15:51	0	0	(a)
7/20/2021 15:52	0	0	0.125
7/20/2021 15:53	0	0	(a)
7/20/2021 15:54	0	0	(a)
7/20/2021 15:55	0	0	(a)
7/20/2021 15:56	0	0	(a)
7/20/2021 15:57	0	0	0.123
7/20/2021 15:58	0	0	(a)
7/20/2021 15:59	0	0	(a)
7/20/2021 16:00	0	0	(a)
7/20/2021 16:01	0	0	(a)
7/20/2021 16:02	0	0	0.124
7/20/2021 16:03	0	0	(a)
7/20/2021 16:04	0	0	(a)
7/20/2021 16:05	0	0	(a)
7/20/2021 16:06	0	0	(a)
7/20/2021 16:07	0	0	0.125
7/20/2021 16:08	0	0	(a)
7/20/2021 16:09	0	0	(a)
7/20/2021 16:10	0	0	(a)
7/20/2021 16:11	0	0	(a)
7/20/2021 16:12	0	0	0.125
7/20/2021 16:13	0	0	(a)
7/20/2021 16:14	0	0	(a)
7/20/2021 16:15	0	0	(a)
7/20/2021 16:16	0	0	(a)
7/20/2021 16:17	0	0	0.123
7/20/2021 16:18	0	0	(a)
7/20/2021 16:19	0	0	(a)
7/20/2021 16:20	0	0	(a)
7/20/2021 16:21	0	0	(a)
7/20/2021 16:22	0	0	0.122
7/20/2021 16:23	0	0	(a)
7/20/2021 16:24	0	0	(a)
7/20/2021 16:25	0	0	(a)
7/20/2021 16:26	0	0	(a)
7/20/2021 16:27	0	0	0.122
7/20/2021 16:28	0	0	(a)
7/20/2021 16:29	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 16:30	0	0	(a)
7/20/2021 16:31	0	0	(a)
7/20/2021 16:32	0	0	0.123
7/20/2021 16:33	0	0	(a)
7/20/2021 16:34	0	0	(a)
7/20/2021 16:35	0	0	(a)
7/20/2021 16:36	0	0	(a)
7/20/2021 16:37	0	0	0.124
7/20/2021 16:38	0	0	(a)
7/20/2021 16:39	0	0	(a)
7/20/2021 16:40	0	0	(a)
7/20/2021 16:41	0	0	(a)
7/20/2021 16:42	0	0	0.124
7/20/2021 16:43	0	0	(a)
7/20/2021 16:44	0	0	(a)
7/20/2021 16:45	0	0	(a)
7/20/2021 16:46	0	0	(a)
7/20/2021 16:47	0	0	0.127
7/20/2021 16:48	0	0	(a)
7/20/2021 16:49	0	0	(a)
7/20/2021 16:50	0	0	(a)
7/20/2021 16:51	0	0	(a)
7/20/2021 16:52	0	0	0.127
7/20/2021 16:53	0	0	(a)
7/20/2021 16:54	0	0	(a)
7/20/2021 16:55	0	0	(a)
7/20/2021 16:56	0	0	(a)
7/20/2021 16:57	0	0	0.128
7/20/2021 16:58	0	0	(a)
7/20/2021 16:59	0	0	(a)
7/20/2021 17:00	0	0	(a)
7/20/2021 17:01	0	0	(a)
7/20/2021 17:02	0	0	0.129
7/20/2021 17:03	0	0	(a)
7/20/2021 17:04	0	0	(a)
7/20/2021 17:05	0	0	(a)
7/20/2021 17:06	0	0	(a)
7/20/2021 17:07	0	0	0.131
7/20/2021 17:08	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/20/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/20/2021 17:09	0	0	(a)
7/20/2021 17:10	0	0	(a)
7/20/2021 17:11	0	0	(a)
7/20/2021 17:12	0	0	0.135
7/20/2021 17:13	0	0	(a)
7/20/2021 17:14	0	0	(a)
7/20/2021 17:15	0	0	(a)
7/20/2021 17:16	0	0	(a)
7/20/2021 17:17	0	0	0.137
7/20/2021 17:18	0	0	(a)
7/20/2021 17:19	0	0	(a)
7/20/2021 17:20	0	0	(a)
7/20/2021 17:21	0	0	(a)
7/20/2021 17:22	0	0	0.141
7/20/2021 17:23	0	0	(a)
7/20/2021 17:24	0	0	(a)
7/20/2021 17:25	0	0	(a)
7/20/2021 17:26	0	0	(a)
7/20/2021 17:27	0	0	0.142
7/20/2021 17:28	0	0	(a)
7/20/2021 17:29	0	0	(a)
7/20/2021 17:30	0	0	(a)
7/20/2021 17:31	0	0	(a)
7/20/2021 17:32	0	0	0.14
7/20/2021 17:33	0	0	(a)
7/20/2021 17:34	0	0	(a)
7/20/2021 17:35	0	0	(a)
7/20/2021 17:36	0	0	(a)
7/20/2021 17:37	0	0	(a)
7/20/2021 17:38	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 5 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 8:04	0	0	0.023
7/22/2021 8:05	0	0	(a)
7/22/2021 8:06	0	0	(a)
7/22/2021 8:07	0	0	(a)
7/22/2021 8:08	0	0	(a)
7/22/2021 8:09	0	0	0.026
7/22/2021 8:10	0	0	(a)
7/22/2021 8:11	0	0	(a)
7/22/2021 8:12	0	0	(a)
7/22/2021 8:13	0	0	(a)
7/22/2021 8:14	0	0	0.028
7/22/2021 8:15	0	0	(a)
7/22/2021 8:16	0	0	(a)
7/22/2021 8:17	0	0	(a)
7/22/2021 8:18	0	0	(a)
7/22/2021 8:19	0	0	0.025
7/22/2021 8:20	0	0	(a)
7/22/2021 8:21	0	0	(a)
7/22/2021 8:22	0	0	(a)
7/22/2021 8:23	0	0	(a)
7/22/2021 8:24	0	0	0.024
7/22/2021 8:25	0	0	(a)
7/22/2021 8:26	0	0	(a)
7/22/2021 8:27	0	0	(a)
7/22/2021 8:28	0	0	(a)
7/22/2021 8:29	0	0	0.024
7/22/2021 8:30	0	0	(a)
7/22/2021 8:31	0	0	(a)
7/22/2021 8:32	0	0	(a)
7/22/2021 8:33	0	0	(a)
7/22/2021 8:34	0	0	0.026
7/22/2021 8:35	0	0	(a)
7/22/2021 8:36	0	0	(a)
7/22/2021 8:37	0	0	(a)
7/22/2021 8:38	0	0	(a)
7/22/2021 8:39	0	0	0.043
7/22/2021 8:40	0	0	(a)
7/22/2021 8:41	0	0	(a)
7/22/2021 8:42	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 8:43	0	0	(a)
7/22/2021 8:44	0	0	0.042
7/22/2021 8:45	0	0	(a)
7/22/2021 8:46	0	0	(a)
7/22/2021 8:47	0	0	(a)
7/22/2021 8:48	0	0	(a)
7/22/2021 8:49	0	0	0.038
7/22/2021 8:50	0	0	(a)
7/22/2021 8:51	0	0	(a)
7/22/2021 8:52	0	0	(a)
7/22/2021 8:53	0	0	(a)
7/22/2021 8:54	0	0	0.037
7/22/2021 8:55	0	0	(a)
7/22/2021 8:56	0	0	(a)
7/22/2021 8:57	0	0	(a)
7/22/2021 8:58	0	0	(a)
7/22/2021 8:59	0	0	0.038
7/22/2021 9:00	0	0	(a)
7/22/2021 9:01	0	0	(a)
7/22/2021 9:02	0	0	(a)
7/22/2021 9:03	0	0	(a)
7/22/2021 9:04	0	0	0.037
7/22/2021 9:05	0	0	(a)
7/22/2021 9:06	0	0	(a)
7/22/2021 9:07	0	0	(a)
7/22/2021 9:08	0	0	(a)
7/22/2021 9:09	0	0	0.046
7/22/2021 9:10	0	0	(a)
7/22/2021 9:11	0	0	(a)
7/22/2021 9:12	0	0	(a)
7/22/2021 9:13	0	0	(a)
7/22/2021 9:14	0	0	0.046
7/22/2021 9:15	0	0	(a)
7/22/2021 9:16	0	0	(a)
7/22/2021 9:17	0	0	(a)
7/22/2021 9:18	0	0	(a)
7/22/2021 9:19	0	0	0.041
7/22/2021 9:20	0	0	(a)
7/22/2021 9:21	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 9:22	0	0	(a)
7/22/2021 9:23	0	0	(a)
7/22/2021 9:24	0	0	0.046
7/22/2021 9:25	0	0	(a)
7/22/2021 9:26	0	0	(a)
7/22/2021 9:27	0	0	(a)
7/22/2021 9:28	0	0	(a)
7/22/2021 9:29	0	0	0.036
7/22/2021 9:30	0	0	(a)
7/22/2021 9:31	0	0	(a)
7/22/2021 9:32	0	0	(a)
7/22/2021 9:33	0	0	(a)
7/22/2021 9:34	0	0	0.048
7/22/2021 9:35	0	0	(a)
7/22/2021 9:36	0	0	(a)
7/22/2021 9:37	0	0	(a)
7/22/2021 9:38	0	0	(a)
7/22/2021 9:39	0	0	0.068
7/22/2021 9:40	0	0	(a)
7/22/2021 9:41	0	0	(a)
7/22/2021 9:42	0	0	(a)
7/22/2021 9:43	0	0	(a)
7/22/2021 9:44	0	0	0.031
7/22/2021 9:45	0	0	(a)
7/22/2021 9:46	0	0	(a)
7/22/2021 9:47	0	0	(a)
7/22/2021 9:48	0	0	(a)
7/22/2021 9:49	0	0	0.04
7/22/2021 9:50	0	0	(a)
7/22/2021 9:51	0	0	(a)
7/22/2021 9:52	0	0	(a)
7/22/2021 9:53	0	0	(a)
7/22/2021 9:54	0	0	0.043
7/22/2021 9:55	0	0	(a)
7/22/2021 9:56	0	0	(a)
7/22/2021 9:57	0	0	(a)
7/22/2021 9:58	0	0	(a)
7/22/2021 9:59	0	0	0.036
7/22/2021 10:00	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 10:01	0	0	(a)
7/22/2021 10:02	0	0	(a)
7/22/2021 10:03	0	0	(a)
7/22/2021 10:04	0	0	0.046
7/22/2021 10:05	0	0	(a)
7/22/2021 10:06	0	0	(a)
7/22/2021 10:07	0	0	(a)
7/22/2021 10:08	0	0	(a)
7/22/2021 10:09	0	0	0.052
7/22/2021 10:10	0	0	(a)
7/22/2021 10:11	0	0	(a)
7/22/2021 10:12	0	0	(a)
7/22/2021 10:13	0	0	(a)
7/22/2021 10:14	0	0	0.031
7/22/2021 10:15	0	0	(a)
7/22/2021 10:16	0	0	(a)
7/22/2021 10:17	0	0	(a)
7/22/2021 10:18	0	0	(a)
7/22/2021 10:19	0	0	0.041
7/22/2021 10:20	0	0	(a)
7/22/2021 10:21	0	0	(a)
7/22/2021 10:22	0	0	(a)
7/22/2021 10:23	0	0	(a)
7/22/2021 10:24	0	0	0.04
7/22/2021 10:25	0	0	(a)
7/22/2021 10:26	0	0	(a)
7/22/2021 10:27	0	0	(a)
7/22/2021 10:28	0	0	(a)
7/22/2021 10:29	0	0	0.042
7/22/2021 10:30	0	0	(a)
7/22/2021 10:31	0	0	(a)
7/22/2021 10:32	0	0	(a)
7/22/2021 10:33	0	0	(a)
7/22/2021 10:34	0	0	0.04
7/22/2021 10:35	0	0	(a)
7/22/2021 10:36	0	0	(a)
7/22/2021 10:37	0	0	(a)
7/22/2021 10:38	0	0	(a)
7/22/2021 10:39	0	0	0.038

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 10:40	0	0	(a)
7/22/2021 10:41	0	0	(a)
7/22/2021 10:42	0	0	(a)
7/22/2021 10:43	0	0	(a)
7/22/2021 10:44	0	0	0.044
7/22/2021 10:45	0	0	(a)
7/22/2021 10:46	0	0	(a)
7/22/2021 10:47	0	0	(a)
7/22/2021 10:48	0	0	(a)
7/22/2021 10:49	0	0	0.037
7/22/2021 10:50	0	0	(a)
7/22/2021 10:51	0	0	(a)
7/22/2021 10:52	0	0	(a)
7/22/2021 10:53	0	0	(a)
7/22/2021 10:54	0	0	0.047
7/22/2021 10:55	0	0	(a)
7/22/2021 10:56	0	0	(a)
7/22/2021 10:57	0	0	(a)
7/22/2021 10:58	0	0	(a)
7/22/2021 10:59	0	0	0.027
7/22/2021 11:00	0	0	(a)
7/22/2021 11:01	0	0	(a)
7/22/2021 11:02	0	0	(a)
7/22/2021 11:03	0	0	(a)
7/22/2021 11:04	0	0	0.023
7/22/2021 11:05	0	0	(a)
7/22/2021 11:06	0	0	(a)
7/22/2021 11:07	0	0	(a)
7/22/2021 11:08	0	0	(a)
7/22/2021 11:09	0	0	0.023
7/22/2021 11:10	0	0	(a)
7/22/2021 11:11	0	0	(a)
7/22/2021 11:12	0	0	(a)
7/22/2021 11:13	0	0	(a)
7/22/2021 11:14	0	0	0.023
7/22/2021 11:15	0	0	(a)
7/22/2021 11:16	0	0	(a)
7/22/2021 11:17	0	0	(a)
7/22/2021 11:18	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 11:19	0	0	0.023
7/22/2021 11:20	0	0	(a)
7/22/2021 11:21	0	0	(a)
7/22/2021 11:22	0	0	(a)
7/22/2021 11:23	0	0	(a)
7/22/2021 11:24	0	0	0.024
7/22/2021 11:25	0	0	(a)
7/22/2021 11:26	0	0	(a)
7/22/2021 11:27	0	0	(a)
7/22/2021 11:28	0	0	(a)
7/22/2021 11:29	0	0	0.024
7/22/2021 11:30	0	0	(a)
7/22/2021 11:31	0	0	(a)
7/22/2021 11:32	0	0	(a)
7/22/2021 11:33	0	0	(a)
7/22/2021 11:34	0	0	0.023
7/22/2021 11:35	0	0	(a)
7/22/2021 11:36	0	0	(a)
7/22/2021 11:37	0	0	(a)
7/22/2021 11:38	0	0	(a)
7/22/2021 11:39	0	0	0.023
7/22/2021 11:40	0	0	(a)
7/22/2021 11:41	0	0	(a)
7/22/2021 11:42	0	0	(a)
7/22/2021 11:43	0	0	(a)
7/22/2021 11:44	0	0	0.023
7/22/2021 11:45	0	0	(a)
7/22/2021 11:46	0	0	(a)
7/22/2021 11:47	0	0	(a)
7/22/2021 11:48	0	0	(a)
7/22/2021 11:49	0	0	0.023
7/22/2021 11:50	0	0	(a)
7/22/2021 11:51	0	0	(a)
7/22/2021 11:52	0	0	(a)
7/22/2021 11:53	0	0	(a)
7/22/2021 11:54	0	0	0.023
7/22/2021 11:55	0	0	(a)
7/22/2021 11:56	0	0	(a)
7/22/2021 11:57	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 11:58	0	0	(a)
7/22/2021 11:59	0	0	0.023
7/22/2021 12:00	0	0	(a)
7/22/2021 12:01	0	0	(a)
7/22/2021 12:02	0	0	(a)
7/22/2021 12:03	0	0	(a)
7/22/2021 12:04	0	0	0.034
7/22/2021 12:05	0	0	(a)
7/22/2021 12:06	0	0	(a)
7/22/2021 12:07	0	0	(a)
7/22/2021 12:08	0	0	(a)
7/22/2021 12:09	0	0	0.037
7/22/2021 12:10	0	0	(a)
7/22/2021 12:11	0	0	(a)
7/22/2021 12:12	0	0	(a)
7/22/2021 12:13	0	0	(a)
7/22/2021 12:14	0	0	0.04
7/22/2021 12:15	0	0	(a)
7/22/2021 12:16	0	0	(a)
7/22/2021 12:17	0	0	(a)
7/22/2021 12:18	0	0	(a)
7/22/2021 12:19	0	0	0.039
7/22/2021 12:20	0	0	(a)
7/22/2021 12:21	0	0	(a)
7/22/2021 12:22	0	0	(a)
7/22/2021 12:23	0	0	(a)
7/22/2021 12:24	0	0	0.031
7/22/2021 12:25	0	0	(a)
7/22/2021 12:26	0	0	(a)
7/22/2021 12:27	0	0	(a)
7/22/2021 12:28	0	0	(a)
7/22/2021 12:29	0	0	0.043
7/22/2021 12:30	0	0	(a)
7/22/2021 12:31	0	0	(a)
7/22/2021 12:32	0	0	(a)
7/22/2021 12:33	0	0	(a)
7/22/2021 12:34	0	0	0.03
7/22/2021 12:35	0	0	(a)
7/22/2021 12:36	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 12:37	0	0	(a)
7/22/2021 12:38	0	0	(a)
7/22/2021 12:39	0	0	0.036
7/22/2021 12:40	0	0	(a)
7/22/2021 12:41	0	0	(a)
7/22/2021 12:42	0	0	(a)
7/22/2021 12:43	0	0	(a)
7/22/2021 12:44	0	0	0.037
7/22/2021 12:45	0	0	(a)
7/22/2021 12:46	0	0	(a)
7/22/2021 12:47	0	0	(a)
7/22/2021 12:48	0	0	(a)
7/22/2021 12:49	0	0	0.051
7/22/2021 12:50	0	0	(a)
7/22/2021 12:51	0	0	(a)
7/22/2021 12:52	0	0	(a)
7/22/2021 12:53	0	0	(a)
7/22/2021 12:54	0	0	0.044
7/22/2021 12:55	0	0	(a)
7/22/2021 12:56	0	0	(a)
7/22/2021 12:57	0	0	(a)
7/22/2021 12:58	0	0	(a)
7/22/2021 12:59	0	0	0.035
7/22/2021 13:00	0	0	(a)
7/22/2021 13:01	0	0	(a)
7/22/2021 13:02	0	0	(a)
7/22/2021 13:03	0	0	(a)
7/22/2021 13:04	0	0	0.048
7/22/2021 13:05	0	0	(a)
7/22/2021 13:06	0	0	(a)
7/22/2021 13:07	0	0	(a)
7/22/2021 13:08	0	0	(a)
7/22/2021 13:09	0	0	0.038
7/22/2021 13:10	0	0	(a)
7/22/2021 13:11	0	0	(a)
7/22/2021 13:12	0	0	(a)
7/22/2021 13:13	0	0	(a)
7/22/2021 13:14	0	0	0.033
7/22/2021 13:15	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 13:16	0	0	(a)
7/22/2021 13:17	0	0	(a)
7/22/2021 13:18	0	0	(a)
7/22/2021 13:19	0	0	0.032
7/22/2021 13:20	0	0	(a)
7/22/2021 13:21	0	0	(a)
7/22/2021 13:22	0	0	(a)
7/22/2021 13:23	0	0	(a)
7/22/2021 13:24	0	0	0.048
7/22/2021 13:25	0	0	(a)
7/22/2021 13:26	0	0	(a)
7/22/2021 13:27	0	0	(a)
7/22/2021 13:28	0	0	(a)
7/22/2021 13:29	0	0	0.041
7/22/2021 13:30	0	0	(a)
7/22/2021 13:31	0	0	(a)
7/22/2021 13:32	0	0	(a)
7/22/2021 13:33	0	0	(a)
7/22/2021 13:34	0	0	0.028
7/22/2021 13:35	0	0	(a)
7/22/2021 13:36	0	0	(a)
7/22/2021 13:37	0	0	(a)
7/22/2021 13:38	0	0	(a)
7/22/2021 13:39	0	0	0.057
7/22/2021 13:40	0	0	(a)
7/22/2021 13:41	0	0	(a)
7/22/2021 13:42	0	0	(a)
7/22/2021 13:43	0	0	(a)
7/22/2021 13:44	0	0	0.047
7/22/2021 13:45	0	0	(a)
7/22/2021 13:46	0	0	(a)
7/22/2021 13:47	0	0	(a)
7/22/2021 13:48	0	0	(a)
7/22/2021 13:49	0	0	0.032
7/22/2021 13:50	0	0	(a)
7/22/2021 13:51	0	0	(a)
7/22/2021 13:52	0	0	(a)
7/22/2021 13:53	0	0	(a)
7/22/2021 13:54	0	0	0.03

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 13:55	0	0	(a)
7/22/2021 13:56	0	0	(a)
7/22/2021 13:57	0	0	(a)
7/22/2021 13:58	0	0	(a)
7/22/2021 13:59	0	0	0.031
7/22/2021 14:00	0	0	(a)
7/22/2021 14:01	0	0	(a)
7/22/2021 14:02	0	0	(a)
7/22/2021 14:03	0	0	(a)
7/22/2021 14:04	0	0	0.034
7/22/2021 14:05	0	0	(a)
7/22/2021 14:06	0	0	(a)
7/22/2021 14:07	0	0	(a)
7/22/2021 14:08	0	0	(a)
7/22/2021 14:09	0	0	0.043
7/22/2021 14:10	0	0	(a)
7/22/2021 14:11	0	0	(a)
7/22/2021 14:12	0	0	(a)
7/22/2021 14:13	0	0	(a)
7/22/2021 14:14	0	0	0.049
7/22/2021 14:15	0	0	(a)
7/22/2021 14:16	0	0	(a)
7/22/2021 14:17	0	0	(a)
7/22/2021 14:18	0	0	(a)
7/22/2021 14:19	0	0	0.028
7/22/2021 14:20	0	0	(a)
7/22/2021 14:21	0	0	(a)
7/22/2021 14:22	0	0	(a)
7/22/2021 14:23	0	0	(a)
7/22/2021 14:24	0	0	0.021
7/22/2021 14:25	0	0	(a)
7/22/2021 14:26	0	0	(a)
7/22/2021 14:27	0	0	(a)
7/22/2021 14:28	0	0	(a)
7/22/2021 14:29	0	0	0.02
7/22/2021 14:30	0	0	(a)
7/22/2021 14:31	0	0	(a)
7/22/2021 14:32	0	0	(a)
7/22/2021 14:33	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/22/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/22/2021 14:34	0	0	0.032
7/22/2021 14:35	0	0	(a)
7/22/2021 14:36	0	0	(a)
7/22/2021 14:37	0	0	(a)
7/22/2021 14:38	0	0	(a)
7/22/2021 14:39	0	0	0.062
7/22/2021 14:40	0	0	(a)
7/22/2021 14:41	0	0	(a)
7/22/2021 14:42	0	0	(a)
7/22/2021 14:43	0	0	(a)
7/22/2021 14:44	0	0	0.024
7/22/2021 14:45	0	0	(a)
7/22/2021 14:46	0	0	(a)
7/22/2021 14:47	0	0	(a)
7/22/2021 14:48	0	0	(a)
7/22/2021 14:49	0	0	0.024
7/22/2021 14:50	0	0	(a)
7/22/2021 14:51	0	0	(a)
7/22/2021 14:52	0	0	(a)
7/22/2021 14:53	0	0	(a)
7/22/2021 14:54	0	0	(a)
7/22/2021 14:55	0	0	(a)
7/22/2021 14:56	0	0	(a)
7/22/2021 14:57	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 5 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
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Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 9:30	0	0	0.055
7/26/2021 9:31	0	0	(a)
7/26/2021 9:32	0	0	(a)
7/26/2021 9:33	0	0	(a)
7/26/2021 9:34	0	0	(a)
7/26/2021 9:35	0	0	0.059
7/26/2021 9:36	0	0	(a)
7/26/2021 9:37	0	0	(a)
7/26/2021 9:38	0	0	(a)
7/26/2021 9:39	0	0	(a)
7/26/2021 9:40	0	0	0.067
7/26/2021 9:41	0	0	(a)
7/26/2021 9:42	0	0	(a)
7/26/2021 9:43	0	0	(a)
7/26/2021 9:44	0	0	(a)
7/26/2021 9:45	0	0	0.065
7/26/2021 9:46	0	0	(a)
7/26/2021 9:47	0	0	(a)
7/26/2021 9:48	0	0	(a)
7/26/2021 9:49	0	0	(a)
7/26/2021 9:50	0	0	0.066
7/26/2021 9:51	0	0	(a)
7/26/2021 9:52	0	0	(a)
7/26/2021 9:53	0	0	(a)
7/26/2021 9:54	0	0	(a)
7/26/2021 9:55	0	0	0.068
7/26/2021 9:56	0	0	(a)
7/26/2021 9:57	0	0	(a)
7/26/2021 9:58	0	0	(a)
7/26/2021 9:59	0	0	(a)
7/26/2021 10:00	0	0	0.08
7/26/2021 10:01	0	0	(a)
7/26/2021 10:02	0	0	(a)
7/26/2021 10:03	0	0	(a)
7/26/2021 10:04	0	0	(a)
7/26/2021 10:05	0	0	0.078
7/26/2021 10:06	0	0	(a)
7/26/2021 10:07	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 10:08	0	0	(a)
7/26/2021 10:09	0	0	(a)
7/26/2021 10:10	0	0	0.089
7/26/2021 10:11	0	0	(a)
7/26/2021 10:12	0	0	(a)
7/26/2021 10:13	0	0	(a)
7/26/2021 10:14	0	0	(a)
7/26/2021 10:15	0	0	0.085
7/26/2021 10:16	0	0	(a)
7/26/2021 10:17	0	0	(a)
7/26/2021 10:18	0	0	(a)
7/26/2021 10:19	0	0	(a)
7/26/2021 10:20	0	0	0.079
7/26/2021 10:21	0	0	(a)
7/26/2021 10:22	0	0	(a)
7/26/2021 10:23	0	0	(a)
7/26/2021 10:24	0	0	(a)
7/26/2021 10:25	0	0	0.081
7/26/2021 10:26	0	0	(a)
7/26/2021 10:27	0	0	(a)
7/26/2021 10:28	0	0	(a)
7/26/2021 10:29	0	0	(a)
7/26/2021 10:30	0	0	0.086
7/26/2021 10:31	0	0	(a)
7/26/2021 10:32	0	0	(a)
7/26/2021 10:33	0	0	(a)
7/26/2021 10:34	0	0	(a)
7/26/2021 10:35	0	0	0.09
7/26/2021 10:36	0	0	(a)
7/26/2021 10:37	0	0	(a)
7/26/2021 10:38	0	0	(a)
7/26/2021 10:39	0	0	(a)
7/26/2021 10:40	0	0	0.091
7/26/2021 10:41	0	0	(a)
7/26/2021 10:42	0	0	(a)
7/26/2021 10:43	0	0	(a)
7/26/2021 10:44	0	0	(a)
7/26/2021 10:45	0	0	0.09

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 10:46	0	0	(a)
7/26/2021 10:47	0	0	(a)
7/26/2021 10:48	0	0	(a)
7/26/2021 10:49	0	0	(a)
7/26/2021 10:50	0	0	0.094
7/26/2021 10:51	0	0	(a)
7/26/2021 10:52	0	0	(a)
7/26/2021 10:53	0	0	(a)
7/26/2021 10:54	0	0	(a)
7/26/2021 10:55	0	0	0.093
7/26/2021 10:56	0	0	(a)
7/26/2021 10:57	0	0	(a)
7/26/2021 10:58	0	0	(a)
7/26/2021 10:59	0	0	(a)
7/26/2021 11:00	0	0	0.091
7/26/2021 11:01	0	0	(a)
7/26/2021 11:02	0	0	(a)
7/26/2021 11:03	0	0	(a)
7/26/2021 11:04	0	0	(a)
7/26/2021 11:05	0	0	0.091
7/26/2021 11:06	0	0	(a)
7/26/2021 11:07	0	0	(a)
7/26/2021 11:08	0	0	(a)
7/26/2021 11:09	0	0	(a)
7/26/2021 11:10	0	0	0.09
7/26/2021 11:11	0	0	(a)
7/26/2021 11:12	0	0	(a)
7/26/2021 11:13	0	0	(a)
7/26/2021 11:14	0	0	(a)
7/26/2021 11:15	0	0	0.09
7/26/2021 11:16	0	0	(a)
7/26/2021 11:17	0	0	(a)
7/26/2021 11:18	0	0	(a)
7/26/2021 11:19	0	0	(a)
7/26/2021 11:20	0	0	0.09
7/26/2021 11:21	0	0	(a)
7/26/2021 11:22	0	0	(a)
7/26/2021 11:23	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 11:24	0	0	(a)
7/26/2021 11:25	0	0	0.091
7/26/2021 11:26	0	0	(a)
7/26/2021 11:27	0	0	(a)
7/26/2021 11:28	0	0	(a)
7/26/2021 11:29	0	0	(a)
7/26/2021 11:30	0	0	0.091
7/26/2021 11:31	0	0	(a)
7/26/2021 11:32	0	0	(a)
7/26/2021 11:33	0	0	(a)
7/26/2021 11:34	0	0	(a)
7/26/2021 11:35	0	0	0.093
7/26/2021 11:36	0	0	(a)
7/26/2021 11:37	0	0	(a)
7/26/2021 11:38	0	0	(a)
7/26/2021 11:39	0	0	(a)
7/26/2021 11:40	0	0	0.095
7/26/2021 11:41	0	0	(a)
7/26/2021 11:42	0	0	(a)
7/26/2021 11:43	0	0	(a)
7/26/2021 11:44	0	0	(a)
7/26/2021 11:45	0	0	0.097
7/26/2021 11:46	0	0	(a)
7/26/2021 11:47	0	0	(a)
7/26/2021 11:48	0	0	(a)
7/26/2021 11:49	0	0	(a)
7/26/2021 11:50	0	0	0.099
7/26/2021 11:51	0	0	(a)
7/26/2021 11:52	0	0	(a)
7/26/2021 11:53	0	0	(a)
7/26/2021 11:54	0	0	(a)
7/26/2021 11:55	0	0	0.1
7/26/2021 11:56	0	0	(a)
7/26/2021 11:57	0	0	(a)
7/26/2021 11:58	0	0	(a)
7/26/2021 11:59	0	0	(a)
7/26/2021 12:00	0	0	0.1
7/26/2021 12:01	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 12:02	0	0	(a)
7/26/2021 12:03	0	0	(a)
7/26/2021 12:04	0	0	(a)
7/26/2021 12:05	0	0	0.1
7/26/2021 12:06	0	0	(a)
7/26/2021 12:07	0	0	(a)
7/26/2021 12:08	0	0	(a)
7/26/2021 12:09	0	0	(a)
7/26/2021 12:10	0	0	0.098
7/26/2021 12:11	0	0	(a)
7/26/2021 12:12	0	0	(a)
7/26/2021 12:13	0	0	(a)
7/26/2021 12:14	0	0	(a)
7/26/2021 12:15	0	0	0.097
7/26/2021 12:16	0	0	(a)
7/26/2021 12:17	0	0	(a)
7/26/2021 12:18	0	0	(a)
7/26/2021 12:19	0	0	(a)
7/26/2021 12:20	0	0	0.095
7/26/2021 12:21	0	0	(a)
7/26/2021 12:22	0	0	(a)
7/26/2021 12:23	0	0	(a)
7/26/2021 12:24	0	0	(a)
7/26/2021 12:25	0	0	0.09
7/26/2021 12:26	0	0	(a)
7/26/2021 12:27	0	0	(a)
7/26/2021 12:28	0	0	(a)
7/26/2021 12:29	0	0	(a)
7/26/2021 12:30	0	0	0.09
7/26/2021 12:31	0	0	(a)
7/26/2021 12:32	0	0	(a)
7/26/2021 12:33	0	0	(a)
7/26/2021 12:34	0	0	(a)
7/26/2021 12:35	0	0	0.084
7/26/2021 12:36	0	0	(a)
7/26/2021 12:37	0	0	(a)
7/26/2021 12:38	0	0	(a)
7/26/2021 12:39	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 12:40	0	0	0.083
7/26/2021 12:41	0	0	(a)
7/26/2021 12:42	0	0	(a)
7/26/2021 12:43	0	0	(a)
7/26/2021 12:44	0	0	(a)
7/26/2021 12:45	0	0	0.082
7/26/2021 12:46	0	0	(a)
7/26/2021 12:47	0	0	(a)
7/26/2021 12:48	0	0	(a)
7/26/2021 12:49	0	0	(a)
7/26/2021 12:50	0	0	0.082
7/26/2021 12:51	0	0	(a)
7/26/2021 12:52	0	0	(a)
7/26/2021 12:53	0	0	(a)
7/26/2021 12:54	0	0	(a)
7/26/2021 12:55	0	0	0.079
7/26/2021 12:56	0	0	(a)
7/26/2021 12:57	0	0	(a)
7/26/2021 12:58	0	0	(a)
7/26/2021 12:59	0	0	(a)
7/26/2021 13:00	0	0	0.078
7/26/2021 13:01	0	0	(a)
7/26/2021 13:02	0	0	(a)
7/26/2021 13:03	0	0	(a)
7/26/2021 13:04	0	0	(a)
7/26/2021 13:05	0	0	0.083
7/26/2021 13:06	0	0	(a)
7/26/2021 13:07	0	0	(a)
7/26/2021 13:08	0	0	(a)
7/26/2021 13:09	0	0	(a)
7/26/2021 13:10	0	0	0.119
7/26/2021 13:11	0	0	(a)
7/26/2021 13:12	0	0	(a)
7/26/2021 13:13	0	0	(a)
7/26/2021 13:14	0	0	(a)
7/26/2021 13:15	0	0	0.102
7/26/2021 13:16	0	0	(a)
7/26/2021 13:17	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 13:18	0	0	(a)
7/26/2021 13:19	0	0	(a)
7/26/2021 13:20	0	0	0.093
7/26/2021 13:21	0	0	(a)
7/26/2021 13:22	0	0	(a)
7/26/2021 13:23	0	0	(a)
7/26/2021 13:24	0	0	(a)
7/26/2021 13:25	0	0	0.082
7/26/2021 13:26	0	0	(a)
7/26/2021 13:27	0	0	(a)
7/26/2021 13:28	0	0	(a)
7/26/2021 13:29	0	0	(a)
7/26/2021 13:30	0	0	0.079
7/26/2021 13:31	0	0	(a)
7/26/2021 13:32	0	0	(a)
7/26/2021 13:33	0	0	(a)
7/26/2021 13:34	0	0	(a)
7/26/2021 13:35	0	0	0.092
7/26/2021 13:36	0	0	(a)
7/26/2021 13:37	0	0	(a)
7/26/2021 13:38	0	0	(a)
7/26/2021 13:39	0	0	(a)
7/26/2021 13:40	0	0	0.081
7/26/2021 13:41	0	0	(a)
7/26/2021 13:42	0	0	(a)
7/26/2021 13:43	0	0	(a)
7/26/2021 13:44	0	0	(a)
7/26/2021 13:45	0	0	0.088
7/26/2021 13:46	0	0	(a)
7/26/2021 13:47	0	0	(a)
7/26/2021 13:48	0	0	(a)
7/26/2021 13:49	0	0	(a)
7/26/2021 13:50	0	0	0.095
7/26/2021 13:51	0	0	(a)
7/26/2021 13:52	0	0	(a)
7/26/2021 13:53	0	0	(a)
7/26/2021 13:54	0	0	(a)
7/26/2021 13:55	0	0	0.102

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 13:56	0	0	(a)
7/26/2021 13:57	0	0	(a)
7/26/2021 13:58	0	0	(a)
7/26/2021 13:59	0	0	(a)
7/26/2021 14:00	0	0	0.092
7/26/2021 14:01	0	0	(a)
7/26/2021 14:02	0	0	(a)
7/26/2021 14:03	0	0	(a)
7/26/2021 14:04	0	0	(a)
7/26/2021 14:05	0	0	0.089
7/26/2021 14:06	0	0	(a)
7/26/2021 14:07	0	0	(a)
7/26/2021 14:08	0	0	(a)
7/26/2021 14:09	0	0	(a)
7/26/2021 14:10	0	0	0.081
7/26/2021 14:11	0	0	(a)
7/26/2021 14:12	0	0	(a)
7/26/2021 14:13	0	0	(a)
7/26/2021 14:14	0	0	(a)
7/26/2021 14:15	0	0	0.088
7/26/2021 14:16	0	0	(a)
7/26/2021 14:17	0	0	(a)
7/26/2021 14:18	0	0	(a)
7/26/2021 14:19	0	0	(a)
7/26/2021 14:20	0	0	0.103
7/26/2021 14:21	0	0	(a)
7/26/2021 14:22	0	0	(a)
7/26/2021 14:23	0	0	(a)
7/26/2021 14:24	0	0	(a)
7/26/2021 14:25	0	0	0.086
7/26/2021 14:26	0	0	(a)
7/26/2021 14:27	0	0	(a)
7/26/2021 14:28	0	0	(a)
7/26/2021 14:29	0	0	(a)
7/26/2021 14:30	0	0	0.087
7/26/2021 14:31	0	0	(a)
7/26/2021 14:32	0	0	(a)
7/26/2021 14:33	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 14:34	0	0	(a)
7/26/2021 14:35	0	0	0.096
7/26/2021 14:36	0	0	(a)
7/26/2021 14:37	0	0	(a)
7/26/2021 14:38	0	0	(a)
7/26/2021 14:39	0	0	(a)
7/26/2021 14:40	0	0	0.094
7/26/2021 14:41	0	0	(a)
7/26/2021 14:42	0	0	(a)
7/26/2021 14:43	0	0	(a)
7/26/2021 14:44	0	0	(a)
7/26/2021 14:45	0	0	0.082
7/26/2021 14:46	0	0	(a)
7/26/2021 14:47	0	0	(a)
7/26/2021 14:48	0	0	(a)
7/26/2021 14:49	0	0	(a)
7/26/2021 14:50	0	0	0.08
7/26/2021 14:51	0	0	(a)
7/26/2021 14:52	0	0	(a)
7/26/2021 14:53	0	0	(a)
7/26/2021 14:54	0	0	(a)
7/26/2021 14:55	0	0	0.08
7/26/2021 14:56	0	0	(a)
7/26/2021 14:57	0	0	(a)
7/26/2021 14:58	0	0	(a)
7/26/2021 14:59	0	0	(a)
7/26/2021 15:00	0	0	0.077
7/26/2021 15:01	0	0	(a)
7/26/2021 15:02	0	0	(a)
7/26/2021 15:03	0	0	(a)
7/26/2021 15:04	0	0	(a)
7/26/2021 15:05	0	0	0.084
7/26/2021 15:06	0	0	(a)
7/26/2021 15:07	0	0	(a)
7/26/2021 15:08	0	0	(a)
7/26/2021 15:09	0	0	(a)
7/26/2021 15:10	0	0	0.081
7/26/2021 15:11	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 15:12	0	0	(a)
7/26/2021 15:13	0	0	(a)
7/26/2021 15:14	0	0	(a)
7/26/2021 15:15	0	0	0.071
7/26/2021 15:16	0	0	(a)
7/26/2021 15:17	0	0	(a)
7/26/2021 15:18	0	0	(a)
7/26/2021 15:19	0	0	(a)
7/26/2021 15:20	0	0	0.072
7/26/2021 15:21	0	0	(a)
7/26/2021 15:22	0	0	(a)
7/26/2021 15:23	0	0	(a)
7/26/2021 15:24	0	0	(a)
7/26/2021 15:25	0	0	0.072
7/26/2021 15:26	0	0	(a)
7/26/2021 15:27	0	0	(a)
7/26/2021 15:28	0	0	(a)
7/26/2021 15:29	0	0	(a)
7/26/2021 15:30	0	0	0.072
7/26/2021 15:31	0	0	(a)
7/26/2021 15:32	0	0	(a)
7/26/2021 15:33	0	0	(a)
7/26/2021 15:34	0	0	(a)
7/26/2021 15:35	0	0	0.072
7/26/2021 15:36	0	0	(a)
7/26/2021 15:37	0	0	(a)
7/26/2021 15:38	0	0	(a)
7/26/2021 15:39	0	0	(a)
7/26/2021 15:40	0	0	0.073
7/26/2021 15:41	0	0	(a)
7/26/2021 15:42	0	0	(a)
7/26/2021 15:43	0	0	(a)
7/26/2021 15:44	0	0	(a)
7/26/2021 15:45	0	0	0.073
7/26/2021 15:46	0	0	(a)
7/26/2021 15:47	0	0	(a)
7/26/2021 15:48	0	0	(a)
7/26/2021 15:49	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 15:50	0	0	0.073
7/26/2021 15:51	0	0	(a)
7/26/2021 15:52	0	0	(a)
7/26/2021 15:53	0	0	(a)
7/26/2021 15:54	0	0	(a)
7/26/2021 15:55	0	0	0.073
7/26/2021 15:56	0	0	(a)
7/26/2021 15:57	0	0	(a)
7/26/2021 15:58	0	0	(a)
7/26/2021 15:59	0	0	(a)
7/26/2021 16:00	0	0	0.073
7/26/2021 16:01	0	0	(a)
7/26/2021 16:02	0	0	(a)
7/26/2021 16:03	0	0	(a)
7/26/2021 16:04	0	0	(a)
7/26/2021 16:05	0	0	0.074
7/26/2021 16:06	0	0	(a)
7/26/2021 16:07	0	0	(a)
7/26/2021 16:08	0	0	(a)
7/26/2021 16:09	0	0	(a)
7/26/2021 16:10	0	0	0.075
7/26/2021 16:11	0	0	(a)
7/26/2021 16:12	0	0	(a)
7/26/2021 16:13	0	0	(a)
7/26/2021 16:14	0	0	(a)
7/26/2021 16:15	0	0	0.076
7/26/2021 16:16	0	0	(a)
7/26/2021 16:17	0	0	(a)
7/26/2021 16:18	0	0	(a)
7/26/2021 16:19	0	0	(a)
7/26/2021 16:20	0	0	0.076
7/26/2021 16:21	0	0	(a)
7/26/2021 16:22	0	0	(a)
7/26/2021 16:23	0	0	(a)
7/26/2021 16:24	0	0	(a)
7/26/2021 16:25	0	0	0.077
7/26/2021 16:26	0	0	(a)
7/26/2021 16:27	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/26/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/26/2021 16:28	0	0	(a)
7/26/2021 16:29	0	0	(a)
7/26/2021 16:30	0	0	0.077
7/26/2021 16:31	0	0	(a)
7/26/2021 16:32	0	0	(a)
7/26/2021 16:33	0	0	(a)
7/26/2021 16:34	0	0	(a)
7/26/2021 16:35	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 5 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 8:23	0	0	(a)
7/27/2021 8:24	0	0	(a)
7/27/2021 8:25	0	0	(a)
7/27/2021 8:26	0	0	0.69
7/27/2021 8:27	0	0	(a)
7/27/2021 8:28	0	0	(a)
7/27/2021 8:29	0	0	(a)
7/27/2021 8:30	0	0	(a)
7/27/2021 8:31	0	0	0.621
7/27/2021 8:32	0	0	(a)
7/27/2021 8:33	0	0	(a)
7/27/2021 8:34	0	0	(a)
7/27/2021 8:35	0	0	(a)
7/27/2021 8:36	0	0	0.59
7/27/2021 8:37	0	0	(a)
7/27/2021 8:38	0	0	(a)
7/27/2021 8:39	0	0	(a)
7/27/2021 8:40	0	0	(a)
7/27/2021 8:41	0	0	0.607
7/27/2021 8:42	0	0	(a)
7/27/2021 8:43	0	0	(a)
7/27/2021 8:44	0	0	(a)
7/27/2021 8:45	0	0	(a)
7/27/2021 8:46	0	0	0.615
7/27/2021 8:47	0	0	(a)
7/27/2021 8:48	0	0	(a)
7/27/2021 8:49	0	0	(a)
7/27/2021 8:50	0	0	(a)
7/27/2021 8:51	0	0	0.606
7/27/2021 8:52	0	0	(a)
7/27/2021 8:53	0	0	(a)
7/27/2021 8:54	0	0	(a)
7/27/2021 8:55	0	0	(a)
7/27/2021 8:56	0	0	0.606
7/27/2021 8:57	0	0	(a)
7/27/2021 8:58	0	0	(a)
7/27/2021 8:59	0	0	(a)
7/27/2021 9:00	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 9:01	0	0	0.598
7/27/2021 9:02	0	0	(a)
7/27/2021 9:03	0	0	(a)
7/27/2021 9:04	0	0	(a)
7/27/2021 9:05	0	0	(a)
7/27/2021 9:06	0	0	0.582
7/27/2021 9:07	0	0	(a)
7/27/2021 9:08	0	0	(a)
7/27/2021 9:09	0	0	(a)
7/27/2021 9:10	0	0	(a)
7/27/2021 9:11	0	0	0.56
7/27/2021 9:12	0	0	(a)
7/27/2021 9:13	0	0	(a)
7/27/2021 9:14	0	0	(a)
7/27/2021 9:15	0	0	(a)
7/27/2021 9:16	0	0	0.558
7/27/2021 9:17	0	0	(a)
7/27/2021 9:18	0	0	(a)
7/27/2021 9:19	0	0	(a)
7/27/2021 9:20	0	0	(a)
7/27/2021 9:21	0	0	0.559
7/27/2021 9:22	0	0	(a)
7/27/2021 9:23	0	0	(a)
7/27/2021 9:24	0	0	(a)
7/27/2021 9:25	0	0	(a)
7/27/2021 9:26	0	0	0.554
7/27/2021 9:27	0	0	(a)
7/27/2021 9:28	0	0	(a)
7/27/2021 9:29	0	0	(a)
7/27/2021 9:30	0	0	(a)
7/27/2021 9:31	0	0	0.534
7/27/2021 9:32	0	0	(a)
7/27/2021 9:33	0	0	(a)
7/27/2021 9:34	0	0	(a)
7/27/2021 9:35	0	0	(a)
7/27/2021 9:36	0	0	0.513
7/27/2021 9:37	0	0	(a)
7/27/2021 9:38	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 9:39	0	0	(a)
7/27/2021 9:40	0	0	(a)
7/27/2021 9:41	0	0	0.506
7/27/2021 9:42	0	0	(a)
7/27/2021 9:43	0	0	(a)
7/27/2021 9:44	0	0	(a)
7/27/2021 9:45	0	0	(a)
7/27/2021 9:46	0	0	0.498
7/27/2021 9:47	0	0	(a)
7/27/2021 9:48	0	0	(a)
7/27/2021 9:49	0	0	(a)
7/27/2021 9:50	0	0	(a)
7/27/2021 9:51	0	0	0.487
7/27/2021 9:52	0	0	(a)
7/27/2021 9:53	0	0	(a)
7/27/2021 9:54	0	0	(a)
7/27/2021 9:55	0	0	(a)
7/27/2021 9:56	0	0	0.483
7/27/2021 9:57	0	0	(a)
7/27/2021 9:58	0	0	(a)
7/27/2021 9:59	0	0	(a)
7/27/2021 10:00	0	0	(a)
7/27/2021 10:01	0	0	0.483
7/27/2021 10:02	0	0	(a)
7/27/2021 10:03	0	0	(a)
7/27/2021 10:04	0	0	(a)
7/27/2021 10:05	0	0	(a)
7/27/2021 10:06	0	0	0.525
7/27/2021 10:07	0	0	(a)
7/27/2021 10:08	0	0	(a)
7/27/2021 10:09	0	0	(a)
7/27/2021 10:10	0	0	(a)
7/27/2021 10:11	0	0	0.526
7/27/2021 10:12	0	0	(a)
7/27/2021 10:13	0	0	(a)
7/27/2021 10:14	0	0	(a)
7/27/2021 10:15	0	0	(a)
7/27/2021 10:16	0	0	0.528

Record of Community Air Monitoring (Downwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 10:17	0	0	(a)
7/27/2021 10:18	0	0	(a)
7/27/2021 10:19	0	0	(a)
7/27/2021 10:20	0	0	(a)
7/27/2021 10:21	0	0	0.533
7/27/2021 10:22	0	0	(a)
7/27/2021 10:23	0	0	(a)
7/27/2021 10:24	0	0	(a)
7/27/2021 10:25	0	0	(a)
7/27/2021 10:26	0	0	0.522
7/27/2021 10:27	0	0	(a)
7/27/2021 10:28	0	0	(a)
7/27/2021 10:29	0	0	(a)
7/27/2021 10:30	0	0	(a)
7/27/2021 10:31	0	0	0.528
7/27/2021 10:32	0	0	(a)
7/27/2021 10:33	0	0	(a)
7/27/2021 10:34	0	0	(a)
7/27/2021 10:35	0	0	(a)
7/27/2021 10:36	0	0	0.533
7/27/2021 10:37	0	0	(a)
7/27/2021 10:38	0	0	(a)
7/27/2021 10:39	0	0	(a)
7/27/2021 10:40	0	0	(a)
7/27/2021 10:41	0	0	0.529
7/27/2021 10:42	0	0	(a)
7/27/2021 10:43	0	0	(a)
7/27/2021 10:44	0	0	(a)
7/27/2021 10:45	0	0	(a)
7/27/2021 10:46	0	0	0.523
7/27/2021 10:47	0	0	(a)
7/27/2021 10:48	0	0	(a)
7/27/2021 10:49	0	0	(a)
7/27/2021 10:50	0	0	(a)
7/27/2021 10:51	0	0	0.53
7/27/2021 10:52	0	0	(a)
7/27/2021 10:53	0	0	(a)
7/27/2021 10:54	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 10:55	0	0	(a)
7/27/2021 10:56	0	0	0.521
7/27/2021 10:57	0	0	(a)
7/27/2021 10:58	0	0	(a)
7/27/2021 10:59	0	0	(a)
7/27/2021 11:00	0	0	(a)
7/27/2021 11:01	0	0	0.516
7/27/2021 11:02	0	0	(a)
7/27/2021 11:03	0	0	(a)
7/27/2021 11:04	0	0	(a)
7/27/2021 11:05	0	0	(a)
7/27/2021 11:06	0	0	0.493
7/27/2021 11:07	0	0	(a)
7/27/2021 11:08	0	0	(a)
7/27/2021 11:09	0	0	(a)
7/27/2021 11:10	0	0	(a)
7/27/2021 11:11	0	0	0.494
7/27/2021 11:12	0	0	(a)
7/27/2021 11:13	0	0	(a)
7/27/2021 11:14	0	0	(a)
7/27/2021 11:15	0	0	(a)
7/27/2021 11:16	0	0	0.496
7/27/2021 11:17	0	0	(a)
7/27/2021 11:18	0	0	(a)
7/27/2021 11:19	0	0	(a)
7/27/2021 11:20	0	0	(a)
7/27/2021 11:21	0	0	0.503
7/27/2021 11:22	0	0	(a)
7/27/2021 11:23	0	0	(a)
7/27/2021 11:24	0	0	(a)
7/27/2021 11:25	0	0	(a)
7/27/2021 11:26	0	0	0.512
7/27/2021 11:27	0	0	(a)
7/27/2021 11:28	0	0	(a)
7/27/2021 11:29	0	0	(a)
7/27/2021 11:30	0	0	(a)
7/27/2021 11:31	0	0	0.515
7/27/2021 11:32	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 11:33	0	0	(a)
7/27/2021 11:34	0	0	(a)
7/27/2021 11:35	0	0	(a)
7/27/2021 11:36	0	0	0.521
7/27/2021 11:37	0	0	(a)
7/27/2021 11:38	0	0	(a)
7/27/2021 11:39	0	0	(a)
7/27/2021 11:40	0	0	(a)
7/27/2021 11:41	0	0	0.518
7/27/2021 11:42	0	0	(a)
7/27/2021 11:43	0	0	(a)
7/27/2021 11:44	0	0	(a)
7/27/2021 11:45	0	0	(a)
7/27/2021 11:46	0	0	0.518
7/27/2021 11:47	0	0	(a)
7/27/2021 11:48	0	0	(a)
7/27/2021 11:49	0	0	(a)
7/27/2021 11:50	0	0	(a)
7/27/2021 11:51	0	0	0.51
7/27/2021 11:52	0	0	(a)
7/27/2021 11:53	0	0	(a)
7/27/2021 11:54	0	0	(a)
7/27/2021 11:55	0	0	(a)
7/27/2021 11:56	0	0	0.499
7/27/2021 11:57	0	0	(a)
7/27/2021 11:58	0	0	(a)
7/27/2021 11:59	0	0	(a)
7/27/2021 12:00	0	0	(a)
7/27/2021 12:01	0	0	0.492
7/27/2021 12:02	0	0	(a)
7/27/2021 12:03	0	0	(a)
7/27/2021 12:04	0	0	(a)
7/27/2021 12:05	0	0	(a)
7/27/2021 12:06	0	0	0.485
7/27/2021 12:07	0	0	(a)
7/27/2021 12:08	0	0	(a)
7/27/2021 12:09	0	0	(a)
7/27/2021 12:10	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 12:11	0	0	0.48
7/27/2021 12:12	0	0	(a)
7/27/2021 12:13	0	0	(a)
7/27/2021 12:14	0	0	(a)
7/27/2021 12:15	0	0	(a)
7/27/2021 12:16	0	0	0.479
7/27/2021 12:17	0	0	(a)
7/27/2021 12:18	0	0	(a)
7/27/2021 12:19	0	0	(a)
7/27/2021 12:20	0	0	(a)
7/27/2021 12:21	0	0	0.478
7/27/2021 12:22	0	0	(a)
7/27/2021 12:23	0	0	(a)
7/27/2021 12:24	0	0	(a)
7/27/2021 12:25	0	0	(a)
7/27/2021 12:26	0	0	0.479
7/27/2021 12:27	0	0	(a)
7/27/2021 12:28	0	0	(a)
7/27/2021 12:29	0	0	(a)
7/27/2021 12:30	0	0	(a)
7/27/2021 12:31	0	0	0.48
7/27/2021 12:32	0	0	(a)
7/27/2021 12:33	0	0	(a)
7/27/2021 12:34	0	0	(a)
7/27/2021 12:35	0	0	(a)
7/27/2021 12:36	0	0	0.483
7/27/2021 12:37	0	0	(a)
7/27/2021 12:38	0	0	(a)
7/27/2021 12:39	0	0	(a)
7/27/2021 12:40	0	0	(a)
7/27/2021 12:41	0	0	0.482
7/27/2021 12:42	0	0	(a)
7/27/2021 12:43	0	0	(a)
7/27/2021 12:44	0	0	(a)
7/27/2021 12:45	0	0	(a)
7/27/2021 12:46	0	0	0.477
7/27/2021 12:47	0	0	(a)
7/27/2021 12:48	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 12:49	0	0	(a)
7/27/2021 12:50	0	0	(a)
7/27/2021 12:51	0	0	0.473
7/27/2021 12:52	0	0	(a)
7/27/2021 12:53	0	0	(a)
7/27/2021 12:54	0	0	(a)
7/27/2021 12:55	0	0	(a)
7/27/2021 12:56	0	0	0.473
7/27/2021 12:57	0	0	(a)
7/27/2021 12:58	0	0	(a)
7/27/2021 12:59	0	0	(a)
7/27/2021 13:00	0	0	(a)
7/27/2021 13:01	0	0	0.472
7/27/2021 13:02	0	0	(a)
7/27/2021 13:03	0	0	(a)
7/27/2021 13:04	0	0	(a)
7/27/2021 13:05	0	0	(a)
7/27/2021 13:06	0	0	0.473
7/27/2021 13:07	0	0	(a)
7/27/2021 13:08	0	0	(a)
7/27/2021 13:09	0	0	(a)
7/27/2021 13:10	0	0	(a)
7/27/2021 13:11	0	0	0.474
7/27/2021 13:12	0	0	(a)
7/27/2021 13:13	0	0	(a)
7/27/2021 13:14	0	0	(a)
7/27/2021 13:15	0	0	(a)
7/27/2021 13:16	0	0	0.472
7/27/2021 13:17	0	0	(a)
7/27/2021 13:18	0	0	(a)
7/27/2021 13:19	0	0	(a)
7/27/2021 13:20	0	0	(a)
7/27/2021 13:21	0	0	0.47
7/27/2021 13:22	0	0	(a)
7/27/2021 13:23	0	0	(a)
7/27/2021 13:24	0	0	(a)
7/27/2021 13:25	0	0	(a)
7/27/2021 13:26	0	0	0.469

Record of Community Air Monitoring (Downwind Data) - 07/27/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/27/2021 13:27	0	0	(a)
7/27/2021 13:28	0	0	(a)
7/27/2021 13:29	0	0	(a)
7/27/2021 13:30	0	0	(a)
7/27/2021 13:31	0	0	0.467
7/27/2021 13:32	0	0	(a)
7/27/2021 13:33	0	0	(a)
7/27/2021 13:34	0	0	(a)
7/27/2021 13:35	0	0	(a)
7/27/2021 13:36	0	0	(a)
7/27/2021 13:37	0	0	(a)
7/27/2021 13:38	0	0	(a)
7/27/2021 13:39	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 5 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 9:08	0	0	(a)
7/28/2021 9:09	0	0	(a)
7/28/2021 9:10	0	0	(a)
7/28/2021 9:11	0	0	0.031
7/28/2021 9:12	0	0	(a)
7/28/2021 9:13	0	0	(a)
7/28/2021 9:14	0	0	(a)
7/28/2021 9:15	0	0	(a)
7/28/2021 9:16	0	0	0.031
7/28/2021 9:17	0	0	(a)
7/28/2021 9:18	0	0	(a)
7/28/2021 9:19	0	0	(a)
7/28/2021 9:20	0	0	(a)
7/28/2021 9:21	0	0	0.03
7/28/2021 9:22	0	0	(a)
7/28/2021 9:23	0	0	(a)
7/28/2021 9:24	0	0	(a)
7/28/2021 9:25	0	0	(a)
7/28/2021 9:26	0	0	0.03
7/28/2021 9:27	0	0	(a)
7/28/2021 9:28	0	0	(a)
7/28/2021 9:29	0	0	(a)
7/28/2021 9:30	0	0	(a)
7/28/2021 9:31	0	0	0.03
7/28/2021 9:32	0	0	(a)
7/28/2021 9:33	0	0	(a)
7/28/2021 9:34	0	0	(a)
7/28/2021 9:35	0	0	(a)
7/28/2021 9:36	0	0	0.03
7/28/2021 9:37	0	0	(a)
7/28/2021 9:38	0	0	(a)
7/28/2021 9:39	0	0	(a)
7/28/2021 9:40	0	0	(a)
7/28/2021 9:41	0	0	0.03
7/28/2021 9:42	0	0	(a)
7/28/2021 9:43	0	0	(a)
7/28/2021 9:44	0	0	(a)
7/28/2021 9:45	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 9:46	0	0	0.031
7/28/2021 9:47	0	0	(a)
7/28/2021 9:48	0	0	(a)
7/28/2021 9:49	0	0	(a)
7/28/2021 9:50	0	0	(a)
7/28/2021 9:51	0	0	0.031
7/28/2021 9:52	0	0	(a)
7/28/2021 9:53	0	0	(a)
7/28/2021 9:54	0	0	(a)
7/28/2021 9:55	0	0	(a)
7/28/2021 9:56	0	0	0.032
7/28/2021 9:57	0	0	(a)
7/28/2021 9:58	0	0	(a)
7/28/2021 9:59	0	0	(a)
7/28/2021 10:00	0	0	(a)
7/28/2021 10:01	0	0	0.032
7/28/2021 10:02	0	0	(a)
7/28/2021 10:03	0	0	(a)
7/28/2021 10:04	0	0	(a)
7/28/2021 10:05	0	0	(a)
7/28/2021 10:06	0	0	0.033
7/28/2021 10:07	0	0	(a)
7/28/2021 10:08	0	0	(a)
7/28/2021 10:09	0	0	(a)
7/28/2021 10:10	0	0	(a)
7/28/2021 10:11	0	0	0.032
7/28/2021 10:12	0	0	(a)
7/28/2021 10:13	0	0	(a)
7/28/2021 10:14	0	0	(a)
7/28/2021 10:15	0	0	(a)
7/28/2021 10:16	0	0	0.032
7/28/2021 10:17	0	0	(a)
7/28/2021 10:18	0	0	(a)
7/28/2021 10:19	0	0	(a)
7/28/2021 10:20	0	0	(a)
7/28/2021 10:21	0	0	0.032
7/28/2021 10:22	0	0	(a)
7/28/2021 10:23	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 10:24	0	0	(a)
7/28/2021 10:25	0	0	(a)
7/28/2021 10:26	0	0	0.032
7/28/2021 10:27	0	0	(a)
7/28/2021 10:28	0	0	(a)
7/28/2021 10:29	0	0	(a)
7/28/2021 10:30	0	0	(a)
7/28/2021 10:31	0	0	0.031
7/28/2021 10:32	0	0	(a)
7/28/2021 10:33	0	0	(a)
7/28/2021 10:34	0	0	(a)
7/28/2021 10:35	0	0	(a)
7/28/2021 10:36	0	0	0.032
7/28/2021 10:37	0	0	(a)
7/28/2021 10:38	0	0	(a)
7/28/2021 10:39	0	0	(a)
7/28/2021 10:40	0	0	(a)
7/28/2021 10:41	0	0	0.033
7/28/2021 10:42	0	0	(a)
7/28/2021 10:43	0	0	(a)
7/28/2021 10:44	0	0	(a)
7/28/2021 10:45	0	0	(a)
7/28/2021 10:46	0	0	0.032
7/28/2021 10:47	0	0	(a)
7/28/2021 10:48	0	0	(a)
7/28/2021 10:49	0	0	(a)
7/28/2021 10:50	0	0	(a)
7/28/2021 10:51	0	0	0.032
7/28/2021 10:52	0	0	(a)
7/28/2021 10:53	0	0	(a)
7/28/2021 10:54	0	0	(a)
7/28/2021 10:55	0	0	(a)
7/28/2021 10:56	0	0	0.032
7/28/2021 10:57	0	0	(a)
7/28/2021 10:58	0	0	(a)
7/28/2021 10:59	0	0	(a)
7/28/2021 11:00	0	0	(a)
7/28/2021 11:01	0	0	0.032

Record of Community Air Monitoring (Downwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 11:02	0	0	(a)
7/28/2021 11:03	0	0	(a)
7/28/2021 11:04	0	0	(a)
7/28/2021 11:05	0	0	(a)
7/28/2021 11:06	0	0	0.033
7/28/2021 11:07	0	0	(a)
7/28/2021 11:08	0	0	(a)
7/28/2021 11:09	0	0	(a)
7/28/2021 11:10	0	0	(a)
7/28/2021 11:11	0	0	0.033
7/28/2021 11:12	0	0	(a)
7/28/2021 11:13	0	0	(a)
7/28/2021 11:14	0	0	(a)
7/28/2021 11:15	0	0	(a)
7/28/2021 11:16	0	0	0.033
7/28/2021 11:17	0	0	(a)
7/28/2021 11:18	0	0	(a)
7/28/2021 11:19	0	0	(a)
7/28/2021 11:20	0	0	(a)
7/28/2021 11:21	0	0	0.032
7/28/2021 11:22	0	0	(a)
7/28/2021 11:23	0	0	(a)
7/28/2021 11:24	0	0	(a)
7/28/2021 11:25	0	0	(a)
7/28/2021 11:26	0	0	0.032
7/28/2021 11:27	0	0	(a)
7/28/2021 11:28	0	0	(a)
7/28/2021 11:29	0	0	(a)
7/28/2021 11:30	0	0	(a)
7/28/2021 11:31	0	0	0.032
7/28/2021 11:32	0	0	(a)
7/28/2021 11:33	0	0	(a)
7/28/2021 11:34	0	0	(a)
7/28/2021 11:35	0	0	(a)
7/28/2021 11:36	0	0	0.032
7/28/2021 11:37	0	0	(a)
7/28/2021 11:38	0	0	(a)
7/28/2021 11:39	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 11:40	0	0	(a)
7/28/2021 11:41	0	0	0.032
7/28/2021 11:42	0	0	(a)
7/28/2021 11:43	0	0	(a)
7/28/2021 11:44	0	0	(a)
7/28/2021 11:45	0	0	(a)
7/28/2021 11:46	0	0	0.031
7/28/2021 11:47	0	0	(a)
7/28/2021 11:48	0	0	(a)
7/28/2021 11:49	0	0	(a)
7/28/2021 11:50	0	0	(a)
7/28/2021 11:51	0	0	0.034
7/28/2021 11:52	0	0	(a)
7/28/2021 11:53	0	0	(a)
7/28/2021 11:54	0	0	(a)
7/28/2021 11:55	0	0	(a)
7/28/2021 11:56	0	0	0.031
7/28/2021 11:57	0	0	(a)
7/28/2021 11:58	0	0	(a)
7/28/2021 11:59	0	0	(a)
7/28/2021 12:00	0	0	(a)
7/28/2021 12:01	0	0	0.03
7/28/2021 12:02	0	0	(a)
7/28/2021 12:03	0	0	(a)
7/28/2021 12:04	0	0	(a)
7/28/2021 12:05	0	0	(a)
7/28/2021 12:06	0	0	0.03
7/28/2021 12:07	0	0	(a)
7/28/2021 12:08	0	0	(a)
7/28/2021 12:09	0	0	(a)
7/28/2021 12:10	0	0	(a)
7/28/2021 12:11	0	0	0.03
7/28/2021 12:12	0	0	(a)
7/28/2021 12:13	0	0	(a)
7/28/2021 12:14	0	0	(a)
7/28/2021 12:15	0	0	(a)
7/28/2021 12:16	0	0	0.029
7/28/2021 12:17	0	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/28/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/28/2021 12:18	0	0	(a)
7/28/2021 12:19	0	0	(a)
7/28/2021 12:20	0	0	(a)
7/28/2021 12:21	0	0	(a)
7/28/2021 12:22	0	0	(a)
7/28/2021 12:23	0	0	(a)
7/28/2021 12:24	0	0	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 5 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 7:30	0	0	(b)
7/29/2021 7:31	0	0	(b)
7/29/2021 7:32	0	0	0.032
7/29/2021 7:33	0	0	(b)
7/29/2021 7:34	(a)	(a)	(b)
7/29/2021 7:35	(a)	(a)	(b)
7/29/2021 7:36	0	0	(b)
7/29/2021 7:37	0	0	0.029
7/29/2021 7:38	0	0	(b)
7/29/2021 7:39	0	0	(b)
7/29/2021 7:40	0	0	(b)
7/29/2021 7:41	0	0	(b)
7/29/2021 7:42	0	0	0.028
7/29/2021 7:43	0	0	(b)
7/29/2021 7:44	0	0	(b)
7/29/2021 7:45	0	0	(b)
7/29/2021 7:46	0	0	(b)
7/29/2021 7:47	0	0	0.028
7/29/2021 7:48	0	0	(b)
7/29/2021 7:49	0	0	(b)
7/29/2021 7:50	0	0	(b)
7/29/2021 7:51	0	0	(b)
7/29/2021 7:52	0	0	0.028
7/29/2021 7:53	0	0	(b)
7/29/2021 7:54	0	0	(b)
7/29/2021 7:55	0	0	(b)
7/29/2021 7:56	0	0	(b)
7/29/2021 7:57	0	0	0.027
7/29/2021 7:58	0	0	(b)
7/29/2021 7:59	0	0	(b)
7/29/2021 8:00	0	0	(b)
7/29/2021 8:01	0	0	(b)
7/29/2021 8:02	0	0	0.027
7/29/2021 8:03	0	0	(b)
7/29/2021 8:04	0	0	(b)
7/29/2021 8:05	0	0	(b)
7/29/2021 8:06	0	0	(b)
7/29/2021 8:07	0	0	0.027

Record of Community Air Monitoring (Downwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 8:08	0	0	(b)
7/29/2021 8:09	0	0	(b)
7/29/2021 8:10	0	0	(b)
7/29/2021 8:11	0	0	(b)
7/29/2021 8:12	0	0	0.027
7/29/2021 8:13	0	0	(b)
7/29/2021 8:14	0	0	(b)
7/29/2021 8:15	0	0	(b)
7/29/2021 8:16	0	0	(b)
7/29/2021 8:17	0	0	0.027
7/29/2021 8:18	0	0	(b)
7/29/2021 8:19	0	0	(b)
7/29/2021 8:20	0	0	(b)
7/29/2021 8:21	0	0	(b)
7/29/2021 8:22	0	0	0.026
7/29/2021 8:23	0	0	(b)
7/29/2021 8:24	0	0	(b)
7/29/2021 8:25	0	0	(b)
7/29/2021 8:26	0	0	(b)
7/29/2021 8:27	0	0	0.028
7/29/2021 8:28	0	0	(b)
7/29/2021 8:29	0	0	(b)
7/29/2021 8:30	(a)	(a)	(b)
7/29/2021 8:31	0	0	(b)
7/29/2021 8:32	0	0	0.028
7/29/2021 8:33	0	0	(b)
7/29/2021 8:34	0	0	(b)
7/29/2021 8:35	0	0	(b)
7/29/2021 8:36	0	0	(b)
7/29/2021 8:37	0	0	0.027
7/29/2021 8:38	0	0	(b)
7/29/2021 8:39	0	0	(b)
7/29/2021 8:40	0	0	(b)
7/29/2021 8:41	0	0	(b)
7/29/2021 8:42	0	0	0.027
7/29/2021 8:43	0	0	(b)
7/29/2021 8:44	0	0	(b)
7/29/2021 8:45	0	0	(b)

Record of Community Air Monitoring (Downwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 8:46	0.1	0	(b)
7/29/2021 8:47	0	0	0.027
7/29/2021 8:48	0	0	(b)
7/29/2021 8:49	0	0	(b)
7/29/2021 8:50	0	0	(b)
7/29/2021 8:51	0	0	(b)
7/29/2021 8:52	0	0	0.027
7/29/2021 8:53	0	0	(b)
7/29/2021 8:54	0	0	(b)
7/29/2021 8:55	0.1	0	(b)
7/29/2021 8:56	0.1	0	(b)
7/29/2021 8:57	0.1	0	0.027
7/29/2021 8:58	0.1	0	(b)
7/29/2021 8:59	0.1	0	(b)
7/29/2021 9:00	0.1	0	(b)
7/29/2021 9:01	0.1	0	(b)
7/29/2021 9:02	0.1	0	0.027
7/29/2021 9:03	0.1	0	(b)
7/29/2021 9:04	0.1	0	(b)
7/29/2021 9:05	0.1	0	(b)
7/29/2021 9:06	0.1	0	(b)
7/29/2021 9:07	0.1	0	0.026
7/29/2021 9:08	0.1	0	(b)
7/29/2021 9:09	0.1	0	(b)
7/29/2021 9:10	0.1	0	(b)
7/29/2021 9:11	0.1	0	(b)
7/29/2021 9:12	0.1	0	0.026
7/29/2021 9:13	0.1	0	(b)
7/29/2021 9:14	0.1	0	(b)
7/29/2021 9:15	0.1	0	(b)
7/29/2021 9:16	0.1	0	(b)
7/29/2021 9:17	0.1	0	0.027
7/29/2021 9:18	0.1	0	(b)
7/29/2021 9:19	0.1	0	(b)
7/29/2021 9:20	0.1	0	(b)
7/29/2021 9:21	0.1	0	(b)
7/29/2021 9:22	0.1	0	0.026
7/29/2021 9:23	0.1	0	(b)

Record of Community Air Monitoring (Downwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 9:24	0.1	0	(b)
7/29/2021 9:25	0.1	0	(b)
7/29/2021 9:26	0.1	0	(b)
7/29/2021 9:27	0.1	0	0.026
7/29/2021 9:28	0.1	0	(b)
7/29/2021 9:29	0.1	0	(b)
7/29/2021 9:30	0.1	0	(b)
7/29/2021 9:31	0.1	0	(b)
7/29/2021 9:32	0.1	0	0.025
7/29/2021 9:33	0.1	0	(b)
7/29/2021 9:34	0.1	0	(b)
7/29/2021 9:35	0.1	0	(b)
7/29/2021 9:36	0.1	0	(b)
7/29/2021 9:37	0.1	0	0.024
7/29/2021 9:38	0.1	0	(b)
7/29/2021 9:39	0.1	0	(b)
7/29/2021 9:40	0.1	0	(b)
7/29/2021 9:41	0.1	0	(b)
7/29/2021 9:42	0.1	0	0.025
7/29/2021 9:43	0.1	0	(b)
7/29/2021 9:44	0.1	0	(b)
7/29/2021 9:45	0.1	0	(b)
7/29/2021 9:46	0.1	0	(b)
7/29/2021 9:47	0.1	0	0.024
7/29/2021 9:48	0.1	0	(b)
7/29/2021 9:49	0.1	0	(b)
7/29/2021 9:50	0.1	0	(b)
7/29/2021 9:51	0.1	0	(b)
7/29/2021 9:52	0.1	0	0.024
7/29/2021 9:53	0.1	0	(b)
7/29/2021 9:54	0.1	0	(b)
7/29/2021 9:55	0.1	0	(b)
7/29/2021 9:56	0.1	0	(b)
7/29/2021 9:57	0.1	0	0.024
7/29/2021 9:58	0.1	0	(b)
7/29/2021 9:59	0.1	0	(b)
7/29/2021 10:00	0.1	0	(b)
7/29/2021 10:01	0.1	0	(b)

Record of Community Air Monitoring (Downwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 10:02	0.1	0	0.024
7/29/2021 10:03	0.1	0	(b)
7/29/2021 10:04	0.1	0	(b)
7/29/2021 10:05	0.1	0	(b)
7/29/2021 10:06	0.1	0	(b)
7/29/2021 10:07	0.1	0	0.024
7/29/2021 10:08	0.1	0	(b)
7/29/2021 10:09	0.1	0	(b)
7/29/2021 10:10	0.1	0	(b)
7/29/2021 10:11	0.1	0	(b)
7/29/2021 10:12	0.1	0	0.024
7/29/2021 10:13	0.1	0	(b)
7/29/2021 10:14	0.1	0	(b)
7/29/2021 10:15	0.1	0	(b)
7/29/2021 10:16	0.1	0	(b)
7/29/2021 10:17	0.1	0	0.024
7/29/2021 10:18	0.1	0	(b)
7/29/2021 10:19	0.1	0	(b)
7/29/2021 10:20	0.1	0	(b)
7/29/2021 10:21	0.1	0	(b)
7/29/2021 10:22	0.1	0	0.024
7/29/2021 10:23	0.2	0	(b)
7/29/2021 10:24	0.1	0	(b)
7/29/2021 10:25	0.1	0	(b)
7/29/2021 10:26	0.1	0	(b)
7/29/2021 10:27	0.1	0	0.023
7/29/2021 10:28	0.1	0	(b)
7/29/2021 10:29	0.2	0	(b)
7/29/2021 10:30	0.1	0	(b)
7/29/2021 10:31	0.1	0	(b)
7/29/2021 10:32	0.2	0	0.023
7/29/2021 10:33	0.1	0	(b)
7/29/2021 10:34	0.2	0	(b)
7/29/2021 10:35	0.2	0	(b)
7/29/2021 10:36	0.2	0	(b)
7/29/2021 10:37	0.2	0	0.023
7/29/2021 10:38	0.2	0	(b)
7/29/2021 10:39	0.2	0	(b)

Record of Community Air Monitoring (Downwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 10:40	0.2	0	(b)
7/29/2021 10:41	0.2	0	(b)
7/29/2021 10:42	0.2	0	0.024
7/29/2021 10:43	0.2	0	(b)
7/29/2021 10:44	0.2	0	(b)
7/29/2021 10:45	0.2	0	(b)
7/29/2021 10:46	0.2	0	(b)
7/29/2021 10:47	0.2	0	0.023
7/29/2021 10:48	0.2	0	(b)
7/29/2021 10:49	0.2	0	(b)
7/29/2021 10:50	0.2	0	(b)
7/29/2021 10:51	0.2	0	(b)
7/29/2021 10:52	0.2	0	0.023
7/29/2021 10:53	0.2	0	(b)
7/29/2021 10:54	0.2	0	(b)
7/29/2021 10:55	0.2	0	(b)
7/29/2021 10:56	0.2	0	(b)
7/29/2021 10:57	0.2	0	0.028
7/29/2021 10:58	0.2	0	(b)
7/29/2021 10:59	0.2	0	(b)
7/29/2021 11:00	0.2	0	(b)
7/29/2021 11:01	0.2	0	(b)
7/29/2021 11:02	0.2	0	0.025
7/29/2021 11:03	0.2	0	(b)
7/29/2021 11:04	0.2	0	(b)
7/29/2021 11:05	0.2	0	(b)
7/29/2021 11:06	0.2	0	(b)
7/29/2021 11:07	0.2	0	0.021
7/29/2021 11:08	0.2	0	(b)
7/29/2021 11:09	0.2	0	(b)
7/29/2021 11:10	0.2	0	(b)
7/29/2021 11:11	0.2	0	(b)
7/29/2021 11:12	0.2	0	0.025
7/29/2021 11:13	0.2	0	(b)
7/29/2021 11:14	0.2	0	(b)
7/29/2021 11:15	0.2	0	(b)
7/29/2021 11:16	0.2	0	(b)
7/29/2021 11:17	0.2	0	0.055

Record of Community Air Monitoring (Downwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 11:18	0.2	0	(b)
7/29/2021 11:19	0.2	0	(b)
7/29/2021 11:20	0.2	0	(b)
7/29/2021 11:21	0.2	0	(b)
7/29/2021 11:22	0.2	0	0.026
7/29/2021 11:23	0.2	0	(b)
7/29/2021 11:24	0.2	0	(b)
7/29/2021 11:25	0.2	0	(b)
7/29/2021 11:26	0.3	0	(b)
7/29/2021 11:27	0.2	0	0.024
7/29/2021 11:28	0.2	0	(b)
7/29/2021 11:29	0.2	0	(b)
7/29/2021 11:30	0.2	0	(b)
7/29/2021 11:31	0.2	0	(b)
7/29/2021 11:32	0.2	0	0.023
7/29/2021 11:33	0.2	0	(b)
7/29/2021 11:34	0.2	0	(b)
7/29/2021 11:35	0.2	0	(b)
7/29/2021 11:36	0.3	0	(b)
7/29/2021 11:37	0.2	0	0.023
7/29/2021 11:38	0.2	0	(b)
7/29/2021 11:39	0.2	0	(b)
7/29/2021 11:40	0.2	0	(b)
7/29/2021 11:41	0.2	0.1	(b)
7/29/2021 11:42	0.2	0.1	0.022
7/29/2021 11:43	0.2	0.1	(b)
7/29/2021 11:44	0.3	0.1	(b)
7/29/2021 11:45	0.4	0.1	(b)
7/29/2021 11:46	0.2	0.1	(b)
7/29/2021 11:47	0.2	0.1	0.023
7/29/2021 11:48	0.2	0.1	(b)
7/29/2021 11:49	0.2	0.1	(b)
7/29/2021 11:50	0.3	0.1	(b)
7/29/2021 11:51	0.2	0.1	(b)
7/29/2021 11:52	0.2	0.1	0.022
7/29/2021 11:53	0.2	0.1	(b)
7/29/2021 11:54	0.2	0.1	(b)
7/29/2021 11:55	0.2	0.1	(b)

Record of Community Air Monitoring (Downwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 11:56	0.3	0.1	(b)
7/29/2021 11:57	0.2	0.1	0.022
7/29/2021 11:58	0.5	0.1	(b)
7/29/2021 11:59	0.3	0.1	(b)
7/29/2021 12:00	0.2	0.1	(b)
7/29/2021 12:01	0.2	0.1	(b)
7/29/2021 12:02	0.2	0.1	0.022
7/29/2021 12:03	0.2	0.1	(b)
7/29/2021 12:04	0.2	0.1	(b)
7/29/2021 12:05	0.2	0.1	(b)
7/29/2021 12:06	0.2	0.1	(b)
7/29/2021 12:07	0.2	0.1	0.026
7/29/2021 12:08	0.2	0.1	(b)
7/29/2021 12:09	0.2	0.1	(b)
7/29/2021 12:10	0.2	0.1	(b)
7/29/2021 12:11	0.2	0.1	(b)
7/29/2021 12:12	0.2	0.1	0.023
7/29/2021 12:13	0.2	0.1	(b)
7/29/2021 12:14	0.4	0.1	(b)
7/29/2021 12:15	0.3	0.1	(b)
7/29/2021 12:16	0.2	0.1	(b)
7/29/2021 12:17	0.5	0.1	0.021
7/29/2021 12:18	0.2	0.1	(b)
7/29/2021 12:19	0.2	0.1	(b)
7/29/2021 12:20	0.4	0.1	(b)
7/29/2021 12:21	0.3	0.1	(b)
7/29/2021 12:22	0.3	0.1	0.021
7/29/2021 12:23	0.3	0.1	(b)
7/29/2021 12:24	0.8	0.1	(b)
7/29/2021 12:25	0.4	0.1	(b)
7/29/2021 12:26	0.3	0.1	(b)
7/29/2021 12:27	0.2	0.1	0.021
7/29/2021 12:28	0.3	0.1	(b)
7/29/2021 12:29	0.3	0.1	(b)
7/29/2021 12:30	0.3	0.1	(b)
7/29/2021 12:31	0.2	0.1	(b)
7/29/2021 12:32	0.3	0.1	0.021
7/29/2021 12:33	0.2	0.1	(b)

Record of Community Air Monitoring (Downwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 12:34	0.2	0.1	(b)
7/29/2021 12:35	0.2	0.1	(b)
7/29/2021 12:36	0.2	0.1	(b)
7/29/2021 12:37	0.2	0.1	0.021
7/29/2021 12:38	0.2	0.1	(b)
7/29/2021 12:39	0.2	0.1	(b)
7/29/2021 12:40	0.3	0.1	(b)
7/29/2021 12:41	0.2	0.1	(b)
7/29/2021 12:42	0.2	0.1	0.02
7/29/2021 12:43	0.2	0.1	(b)
7/29/2021 12:44	0.2	0.1	(b)
7/29/2021 12:45	0.3	0.1	(b)
7/29/2021 12:46	0.2	0.1	(b)
7/29/2021 12:47	0.2	0.1	0.02
7/29/2021 12:48	0.3	0.1	(b)
7/29/2021 12:49	0.3	0.1	(b)
7/29/2021 12:50	0.3	0.1	(b)
7/29/2021 12:51	0.2	0.1	(b)
7/29/2021 12:52	0.2	0.1	0.02
7/29/2021 12:53	0.2	0.1	(b)
7/29/2021 12:54	0.4	0.1	(b)
7/29/2021 12:55	0.2	0.1	(b)
7/29/2021 12:56	0.3	0.1	(b)
7/29/2021 12:57	0.2	0.1	0.02
7/29/2021 12:58	0.2	0.1	(b)
7/29/2021 12:59	0.2	0.1	(b)
7/29/2021 13:00	0.2	0.1	(b)
7/29/2021 13:01	0.2	0.1	(b)
7/29/2021 13:02	0.2	0.1	0.02
7/29/2021 13:03	0.3	0.1	(b)
7/29/2021 13:04	0.2	0.1	(b)
7/29/2021 13:05	0.2	0.1	(b)
7/29/2021 13:06	0.2	0.1	(b)
7/29/2021 13:07	0.2	0.1	0.021
7/29/2021 13:08	0.2	0.1	(b)
7/29/2021 13:09	0.2	0.1	(b)
7/29/2021 13:10	0.2	0.1	(b)
7/29/2021 13:11	0.2	0.1	(b)

Record of Community Air Monitoring (Downwind Data) - 07/29/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/29/2021 13:12	0.3	0.1	0.02
7/29/2021 13:13	0.2	0.1	(b)
7/29/2021 13:14	0.2	0.1	(b)
7/29/2021 13:15	0.2	0.1	(b)
7/29/2021 13:16	0.2	0.1	(b)
7/29/2021 13:17	0.2	0.1	0.02
7/29/2021 13:18	0.2	0.1	(b)
7/29/2021 13:19	0.2	0.1	(b)
7/29/2021 13:20	0.2	0.1	(b)
7/29/2021 13:21	0.2	0.1	(b)
7/29/2021 13:22	0.2	0.1	(b)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) Equipment malfunction.

(a) PM-10 data collected at 5 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 7:59	0.2	0	(a)
7/30/2021 8:00	0.2	0	(a)
7/30/2021 8:01	0.2	0	(a)
7/30/2021 8:02	0.2	0	(a)
7/30/2021 8:03	0.2	0	0.027
7/30/2021 8:04	0.2	0	(a)
7/30/2021 8:05	0.2	0	(a)
7/30/2021 8:06	0.2	0	(a)
7/30/2021 8:07	0.2	0	(a)
7/30/2021 8:08	0.2	0	0.026
7/30/2021 8:09	0.2	0	(a)
7/30/2021 8:10	0.2	0	(a)
7/30/2021 8:11	0.1	0	(a)
7/30/2021 8:12	0.1	0	(a)
7/30/2021 8:13	0.2	0	0.024
7/30/2021 8:14	0.2	0	(a)
7/30/2021 8:15	0.2	0	(a)
7/30/2021 8:16	0.1	0	(a)
7/30/2021 8:17	0.2	0	(a)
7/30/2021 8:18	0.2	0	0.024
7/30/2021 8:19	0.2	0	(a)
7/30/2021 8:20	0.2	0	(a)
7/30/2021 8:21	0.2	0	(a)
7/30/2021 8:22	0.2	0	(a)
7/30/2021 8:23	0.2	0	0.024
7/30/2021 8:24	0.2	0	(a)
7/30/2021 8:25	0.2	0	(a)
7/30/2021 8:26	0.2	0	(a)
7/30/2021 8:27	0.2	0	(a)
7/30/2021 8:28	0.2	0	0.023
7/30/2021 8:29	0.2	0	(a)
7/30/2021 8:30	0.2	0	(a)
7/30/2021 8:31	0.2	0	(a)
7/30/2021 8:32	0.2	0	(a)
7/30/2021 8:33	0.2	0	0.023
7/30/2021 8:34	0.2	0	(a)
7/30/2021 8:35	0.2	0	(a)
7/30/2021 8:36	0.2	0	(a)
7/30/2021 8:37	0.2	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 8:38	0.2	0	0.022
7/30/2021 8:39	0.3	0	(a)
7/30/2021 8:40	0.2	0	(a)
7/30/2021 8:41	0.2	0	(a)
7/30/2021 8:42	0.2	0	(a)
7/30/2021 8:43	0.2	0	0.022
7/30/2021 8:44	0.2	0	(a)
7/30/2021 8:45	0.2	0	(a)
7/30/2021 8:46	0.2	0	(a)
7/30/2021 8:47	0.2	0	(a)
7/30/2021 8:48	0.2	0	0.021
7/30/2021 8:49	0.2	0	(a)
7/30/2021 8:50	0.2	0	(a)
7/30/2021 8:51	0.2	0	(a)
7/30/2021 8:52	0.2	0	(a)
7/30/2021 8:53	0.2	0	0.022
7/30/2021 8:54	0.2	0	(a)
7/30/2021 8:55	0.2	0	(a)
7/30/2021 8:56	0.2	0	(a)
7/30/2021 8:57	0.2	0	(a)
7/30/2021 8:58	0.2	0	0.022
7/30/2021 8:59	0.2	0	(a)
7/30/2021 9:00	0.2	0	(a)
7/30/2021 9:01	0.2	0	(a)
7/30/2021 9:02	0.2	0	(a)
7/30/2021 9:03	0.3	0	0.022
7/30/2021 9:04	0.3	0	(a)
7/30/2021 9:05	0.3	0	(a)
7/30/2021 9:06	0.3	0	(a)
7/30/2021 9:07	0.3	0	(a)
7/30/2021 9:08	0.3	0	0.023
7/30/2021 9:09	0.3	0	(a)
7/30/2021 9:10	0.4	0	(a)
7/30/2021 9:11	0.3	0	(a)
7/30/2021 9:12	0.3	0	(a)
7/30/2021 9:13	0.3	0	0.024
7/30/2021 9:14	0.3	0	(a)
7/30/2021 9:15	0.3	0	(a)
7/30/2021 9:16	0.3	0	(a)

Record of Community Air Monitoring (Downwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 9:17	0.3	0	(a)
7/30/2021 9:18	0.3	0	0.024
7/30/2021 9:19	0.3	0	(a)
7/30/2021 9:20	0.3	0	(a)
7/30/2021 9:21	0.3	0	(a)
7/30/2021 9:22	0.3	0	(a)
7/30/2021 9:23	0.3	0	0.025
7/30/2021 9:24	0.3	0	(a)
7/30/2021 9:25	0.3	0	(a)
7/30/2021 9:26	0.3	0	(a)
7/30/2021 9:27	0.3	0	(a)
7/30/2021 9:28	0.3	0	0.025
7/30/2021 9:29	0.3	0	(a)
7/30/2021 9:30	0.3	0	(a)
7/30/2021 9:31	0.3	0	(a)
7/30/2021 9:32	0.3	0	(a)
7/30/2021 9:33	0.3	0	0.025
7/30/2021 9:34	0.3	0	(a)
7/30/2021 9:35	0.3	0	(a)
7/30/2021 9:36	0.3	0	(a)
7/30/2021 9:37	0.4	0	(a)
7/30/2021 9:38	0.4	0	0.025
7/30/2021 9:39	0.3	0	(a)
7/30/2021 9:40	0.3	0.1	(a)
7/30/2021 9:41	0.3	0.1	(a)
7/30/2021 9:42	0.3	0.1	(a)
7/30/2021 9:43	0.3	0.1	0.025
7/30/2021 9:44	0.3	0.1	(a)
7/30/2021 9:45	0.3	0.1	(a)
7/30/2021 9:46	0.4	0.1	(a)
7/30/2021 9:47	0.3	0.1	(a)
7/30/2021 9:48	0.3	0.1	0.024
7/30/2021 9:49	0.3	0.1	(a)
7/30/2021 9:50	0.3	0.1	(a)
7/30/2021 9:51	0.3	0.1	(a)
7/30/2021 9:52	0.3	0.1	(a)
7/30/2021 9:53	0.3	0.1	0.024
7/30/2021 9:54	0.3	0.1	(a)
7/30/2021 9:55	0.3	0.1	(a)

Record of Community Air Monitoring (Downwind Data) - 07/30/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 9:56	0.3	0.1	(a)
7/30/2021 9:57	0.3	0.1	(a)
7/30/2021 9:58	0.3	0.1	0.024
7/30/2021 9:59	0.3	0.1	(a)
7/30/2021 10:00	0.3	0.1	(a)
7/30/2021 10:01	0.3	0.1	(a)
7/30/2021 10:02	0.3	0.1	(a)
7/30/2021 10:03	0.3	0.1	0.024
7/30/2021 10:04	0.3	0.1	(a)
7/30/2021 10:05	0.3	0.1	(a)
7/30/2021 10:06	0.3	0.1	(a)
7/30/2021 10:07	0.3	0.1	(a)
7/30/2021 10:08	0.3	0.1	0.024
7/30/2021 10:09	0.3	0.1	(a)
7/30/2021 10:10	0.3	0.1	(a)
7/30/2021 10:11	0.3	0.1	(a)
7/30/2021 10:12	0.3	0.1	(a)
7/30/2021 10:13	0.8	0.1	0.024
7/30/2021 10:14	0.4	0.1	(a)
7/30/2021 10:15	0.3	0.1	(a)
7/30/2021 10:16	0.3	0.1	(a)
7/30/2021 10:17	0.3	0.1	(a)
7/30/2021 10:18	0.3	0.1	0.026
7/30/2021 10:19	0.3	0.1	(a)
7/30/2021 10:20	0.3	0.1	(a)
7/30/2021 10:21	0.3	0.1	(a)
7/30/2021 10:22	0.3	0.1	(a)
7/30/2021 10:23	0.3	0.1	0.024
7/30/2021 10:24	0.3	0.1	(a)
7/30/2021 10:25	0.3	0.1	(a)
7/30/2021 10:26	0.5	0.1	(a)
7/30/2021 10:27	0.4	0.1	(a)
7/30/2021 10:28	0.4	0.1	0.028
7/30/2021 10:29	0.4	0.1	(a)
7/30/2021 10:30	0.4	0.1	(a)
7/30/2021 10:31	0.4	0.1	(a)
7/30/2021 10:32	0.4	0.1	(a)
7/30/2021 10:33	0.4	0.1	0.023
7/30/2021 10:34	0.4	0.1	(a)

Record of Community Air Monitoring (Downwind Data) - 07/30/21
Long Island MacArthur Airport,
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 10:35	0.4	0.1	(a)
7/30/2021 10:36	0.3	0.1	(a)
7/30/2021 10:37	0.3	0.1	(a)
7/30/2021 10:38	0.3	0.1	0.018
7/30/2021 10:39	0.3	0.1	(a)
7/30/2021 10:40	0.3	0.1	(a)
7/30/2021 10:41	0.3	0.1	(a)
7/30/2021 10:42	0.3	0.1	(a)
7/30/2021 10:43	0.3	0.1	0.018
7/30/2021 10:44	0.3	0.1	(a)
7/30/2021 10:45	0.3	0.1	(a)
7/30/2021 10:46	0.4	0.1	(a)
7/30/2021 10:47	0.3	0.1	(a)
7/30/2021 10:48	0.3	0.1	0.017
7/30/2021 10:49	0.3	0.1	(a)
7/30/2021 10:50	0.3	0.1	(a)
7/30/2021 10:51	0.4	0.1	(a)
7/30/2021 10:52	0.4	0.1	(a)
7/30/2021 10:53	0.4	0.1	0.016
7/30/2021 10:54	0.4	0.1	(a)
7/30/2021 10:55	0.4	0.1	(a)
7/30/2021 10:56	0.4	0.1	(a)
7/30/2021 10:57	0.4	0.1	(a)
7/30/2021 10:58	0.4	0.1	0.022
7/30/2021 10:59	0.4	0.1	(a)
7/30/2021 11:00	0.4	0.1	(a)
7/30/2021 11:01	0.3	0.1	(a)
7/30/2021 11:02	0.3	0.1	(a)
7/30/2021 11:03	0.3	0.1	0.026
7/30/2021 11:04	0.3	0.1	(a)
7/30/2021 11:05	0.3	0.1	(a)
7/30/2021 11:06	0.3	0.1	(a)
7/30/2021 11:07	0.3	0.1	(a)
7/30/2021 11:08	0.3	0.1	0.025
7/30/2021 11:09	0.3	0.1	(a)
7/30/2021 11:10	0.3	0.1	(a)
7/30/2021 11:11	0.3	0.1	(a)
7/30/2021 11:12	0.3	0.1	(a)
7/30/2021 11:13	0.3	0.1	0.025

Record of Community Air Monitoring (Downwind Data) - 07/30/21
Long Island MacArthur Airport,
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
7/30/2021 11:14	0.3	0.1	(a)
7/30/2021 11:15	0.3	0.1	(a)
7/30/2021 11:16	0.3	0.1	(a)
7/30/2021 11:17	0.3	0.1	(a)
7/30/2021 11:18	0.3	0.1	0.025
7/30/2021 11:19	0.3	0.1	(a)
7/30/2021 11:20	0.3	0.1	(a)
7/30/2021 11:21	0.3	0.1	(a)
7/30/2021 11:22	0.3	0.1	(a)
7/30/2021 11:23	0.3	0.1	0.025
7/30/2021 11:24	0.3	0.1	(a)
7/30/2021 11:25	0.3	0.1	(a)
7/30/2021 11:26	0.3	0.1	(a)
7/30/2021 11:27	0.3	0.1	(a)
7/30/2021 11:28	0.4	0.1	0.025
7/30/2021 11:29	0.3	0.1	(a)
7/30/2021 11:30	0.3	0.1	(a)
7/30/2021 11:31	0.3	0.1	(a)
7/30/2021 11:32	0.3	0.1	(a)
7/30/2021 11:33	0.3	0.1	0.025
7/30/2021 11:34	0.3	0.1	(a)
7/30/2021 11:35	0.3	0.1	(a)
7/30/2021 11:36	0.3	0.1	(a)
7/30/2021 11:37	0.3	0.1	(a)
7/30/2021 11:38	0.3	0.1	0.024
7/30/2021 11:39	0.5	0.1	(a)
7/30/2021 11:40	0.4	0.1	(a)
7/30/2021 11:41	0.3	0.1	(a)
7/30/2021 11:42	0.4	0.1	(a)
7/30/2021 11:43	0.3	0.1	0.026
7/30/2021 11:44	0.3	0.1	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 5 minute intervals.

Record of Community Air Monitoring (Downwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 7:21	0.2	0	(a)
8/2/2021 7:22	0.2	0	(a)
8/2/2021 7:23	0.2	0	0.014
8/2/2021 7:24	0.2	0	(a)
8/2/2021 7:25	0.2	0	(a)
8/2/2021 7:26	0.2	0	(a)
8/2/2021 7:27	0.2	0	(a)
8/2/2021 7:28	0.2	0	0.013
8/2/2021 7:29	0.2	0	(a)
8/2/2021 7:30	0.2	0	(a)
8/2/2021 7:31	0.2	0	(a)
8/2/2021 7:32	0.2	0	(a)
8/2/2021 7:33	0.2	0	0.013
8/2/2021 7:34	0.2	0	(a)
8/2/2021 7:35	0.2	0	(a)
8/2/2021 7:36	0.2	0	(a)
8/2/2021 7:37	0.2	0	(a)
8/2/2021 7:38	0.2	0	0.014
8/2/2021 7:39	0.2	0	(a)
8/2/2021 7:40	0.2	0	(a)
8/2/2021 7:41	0.2	0	(a)
8/2/2021 7:42	0.2	0	(a)
8/2/2021 7:43	0.3	0	0.014
8/2/2021 7:44	0.3	0	(a)
8/2/2021 7:45	0.3	0	(a)
8/2/2021 7:46	0.3	0	(a)
8/2/2021 7:47	0.3	0	(a)
8/2/2021 7:48	0.3	0	0.014
8/2/2021 7:49	0.3	0	(a)
8/2/2021 7:50	0.3	0	(a)
8/2/2021 7:51	0.3	0	(a)
8/2/2021 7:52	0.3	0	(a)
8/2/2021 7:53	0.3	0	0.015
8/2/2021 7:54	0.3	0	(a)
8/2/2021 7:55	0.3	0	(a)
8/2/2021 7:56	0.3	0	(a)
8/2/2021 7:57	0.3	0	(a)
8/2/2021 7:58	0.3	0	0.014

Record of Community Air Monitoring (Downwind Data) - 08/02/21
Long Island MacArthur Airport,
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Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 7:59	0.3	0	(a)
8/2/2021 8:00	0.3	0	(a)
8/2/2021 8:01	0.3	0	(a)
8/2/2021 8:02	0.3	0	(a)
8/2/2021 8:03	0.3	0	0.014
8/2/2021 8:04	0.3	0	(a)
8/2/2021 8:05	0.3	0	(a)
8/2/2021 8:06	0.3	0	(a)
8/2/2021 8:07	0.3	0	(a)
8/2/2021 8:08	0.3	0	0.014
8/2/2021 8:09	0.4	0	(a)
8/2/2021 8:10	0.3	0	(a)
8/2/2021 8:11	0.3	0	(a)
8/2/2021 8:12	0.3	0	(a)
8/2/2021 8:13	0.3	0	0.015
8/2/2021 8:14	0.3	0	(a)
8/2/2021 8:15	0.3	0	(a)
8/2/2021 8:16	0.5	0	(a)
8/2/2021 8:17	0.3	0	(a)
8/2/2021 8:18	0.3	0	0.014
8/2/2021 8:19	0.4	0	(a)
8/2/2021 8:20	0.4	0	(a)
8/2/2021 8:21	0.4	0	(a)
8/2/2021 8:22	0.3	0	(a)
8/2/2021 8:23	0.3	0	0.014
8/2/2021 8:24	0.3	0	(a)
8/2/2021 8:25	0.3	0	(a)
8/2/2021 8:26	0.4	0	(a)
8/2/2021 8:27	0.3	0	(a)
8/2/2021 8:28	0.3	0	0.013
8/2/2021 8:29	0.3	0	(a)
8/2/2021 8:30	0.3	0	(a)
8/2/2021 8:31	0.3	0	(a)
8/2/2021 8:32	0.3	0	(a)
8/2/2021 8:33	0.3	0	0.014
8/2/2021 8:34	0.3	0	(a)
8/2/2021 8:35	0.4	0	(a)
8/2/2021 8:36	0.4	0	(a)

Record of Community Air Monitoring (Downwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 8:37	0.5	0	(a)
8/2/2021 8:38	0.3	0	0.015
8/2/2021 8:39	0.4	0	(a)
8/2/2021 8:40	0.3	0	(a)
8/2/2021 8:41	0.3	0	(a)
8/2/2021 8:42	0.3	0	(a)
8/2/2021 8:43	0.4	0.1	0.015
8/2/2021 8:44	0.4	0.1	(a)
8/2/2021 8:45	0.3	0.1	(a)
8/2/2021 8:46	0.4	0.1	(a)
8/2/2021 8:47	0.4	0.1	(a)
8/2/2021 8:48	0.4	0.1	0.016
8/2/2021 8:49	0.4	0.1	(a)
8/2/2021 8:50	0.4	0.1	(a)
8/2/2021 8:51	0.4	0.1	(a)
8/2/2021 8:52	0.4	0.1	(a)
8/2/2021 8:53	0.4	0.1	0.017
8/2/2021 8:54	0.4	0.1	(a)
8/2/2021 8:55	0.4	0.1	(a)
8/2/2021 8:56	0.4	0.1	(a)
8/2/2021 8:57	0.4	0.1	(a)
8/2/2021 8:58	0.4	0.1	0.017
8/2/2021 8:59	0.4	0.1	(a)
8/2/2021 9:00	0.4	0.1	(a)
8/2/2021 9:01	0.4	0.1	(a)
8/2/2021 9:02	0.4	0.1	(a)
8/2/2021 9:03	0.4	0.1	0.018
8/2/2021 9:04	0.4	0.1	(a)
8/2/2021 9:05	0.4	0.1	(a)
8/2/2021 9:06	0.4	0.1	(a)
8/2/2021 9:07	0.4	0.1	(a)
8/2/2021 9:08	0.4	0.1	0.019
8/2/2021 9:09	0.4	0.1	(a)
8/2/2021 9:10	0.4	0.1	(a)
8/2/2021 9:11	0.4	0.1	(a)
8/2/2021 9:12	0.4	0.1	(a)
8/2/2021 9:13	0.4	0.1	0.021
8/2/2021 9:14	0.4	0.1	(a)

Record of Community Air Monitoring (Downwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 9:15	0.4	0.1	(a)
8/2/2021 9:16	0.4	0.1	(a)
8/2/2021 9:17	0.4	0.1	(a)
8/2/2021 9:18	0.4	0.1	0.019
8/2/2021 9:19	0.4	0.1	(a)
8/2/2021 9:20	0.4	0.1	(a)
8/2/2021 9:21	0.4	0.1	(a)
8/2/2021 9:22	0.4	0.1	(a)
8/2/2021 9:23	0.4	0.1	0.018
8/2/2021 9:24	0.4	0.1	(a)
8/2/2021 9:25	0.5	0.1	(a)
8/2/2021 9:26	0.4	0.1	(a)
8/2/2021 9:27	0.4	0.1	(a)
8/2/2021 9:28	0.4	0.1	0.018
8/2/2021 9:29	0.4	0.1	(a)
8/2/2021 9:30	0.4	0.1	(a)
8/2/2021 9:31	0.4	0.1	(a)
8/2/2021 9:32	0.4	0.1	(a)
8/2/2021 9:33	0.4	0.1	0.015
8/2/2021 9:34	0.4	0.1	(a)
8/2/2021 9:35	0.5	0.1	(a)
8/2/2021 9:36	0.5	0.1	(a)
8/2/2021 9:37	0.5	0.1	(a)
8/2/2021 9:38	0.5	0.1	0.018
8/2/2021 9:39	0.4	0.1	(a)
8/2/2021 9:40	0.4	0.1	(a)
8/2/2021 9:41	0.4	0.1	(a)
8/2/2021 9:42	0.4	0.1	(a)
8/2/2021 9:43	0.4	0.1	0.024
8/2/2021 9:44	0.4	0.1	(a)
8/2/2021 9:45	0.4	0.1	(a)
8/2/2021 9:46	0.4	0.1	(a)
8/2/2021 9:47	0.4	0.1	(a)
8/2/2021 9:48	0.4	0.1	0.022
8/2/2021 9:49	0.4	0.1	(a)
8/2/2021 9:50	0.4	0.1	(a)
8/2/2021 9:51	0.4	0.1	(a)
8/2/2021 9:52	0.4	0.1	(a)

Record of Community Air Monitoring (Downwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 9:53	0.4	0.1	0.022
8/2/2021 9:54	0.4	0.1	(a)
8/2/2021 9:55	0.4	0.1	(a)
8/2/2021 9:56	0.4	0.1	(a)
8/2/2021 9:57	0.4	0.1	(a)
8/2/2021 9:58	0.4	0.1	0.023
8/2/2021 9:59	0.4	0.1	(a)
8/2/2021 10:00	0.4	0.1	(a)
8/2/2021 10:01	0.4	0.1	(a)
8/2/2021 10:02	0.4	0.1	(a)
8/2/2021 10:03	0.4	0.1	0.023
8/2/2021 10:04	0.4	0.1	(a)
8/2/2021 10:05	0.4	0.1	(a)
8/2/2021 10:06	0.4	0.1	(a)
8/2/2021 10:07	0.4	0.1	(a)
8/2/2021 10:08	0.4	0.1	0.024
8/2/2021 10:09	0.4	0.1	(a)
8/2/2021 10:10	0.4	0.1	(a)
8/2/2021 10:11	0.4	0.1	(a)
8/2/2021 10:12	0.4	0.1	(a)
8/2/2021 10:13	0.4	0.1	0.025
8/2/2021 10:14	0.5	0.1	(a)
8/2/2021 10:15	0.4	0.1	(a)
8/2/2021 10:16	0.4	0.1	(a)
8/2/2021 10:17	0.4	0.1	(a)
8/2/2021 10:18	0.4	0.1	0.025
8/2/2021 10:19	0.4	0.1	(a)
8/2/2021 10:20	0.4	0.1	(a)
8/2/2021 10:21	0.4	0.1	(a)
8/2/2021 10:22	0.5	0.1	(a)
8/2/2021 10:23	0.4	0.1	0.025
8/2/2021 10:24	0.4	0.1	(a)
8/2/2021 10:25	0.4	0.1	(a)
8/2/2021 10:26	0.4	0.1	(a)
8/2/2021 10:27	0.4	0.1	(a)
8/2/2021 10:28	0.4	0.1	0.025
8/2/2021 10:29	0.4	0.1	(a)
8/2/2021 10:30	0.4	0.1	(a)

Record of Community Air Monitoring (Downwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 10:31	0.4	0.1	(a)
8/2/2021 10:32	0.4	0.1	(a)
8/2/2021 10:33	0.4	0.1	0.026
8/2/2021 10:34	0.4	0.1	(a)
8/2/2021 10:35	0.4	0.1	(a)
8/2/2021 10:36	0.4	0.1	(a)
8/2/2021 10:37	0.4	0.1	(a)
8/2/2021 10:38	0.5	0.1	0.026
8/2/2021 10:39	0.4	0.1	(a)
8/2/2021 10:40	0.4	0.1	(a)
8/2/2021 10:41	0.4	0.1	(a)
8/2/2021 10:42	0.4	0.2	(a)
8/2/2021 10:43	0.5	0.2	0.026
8/2/2021 10:44	0.4	0.2	(a)
8/2/2021 10:45	0.5	0.2	(a)
8/2/2021 10:46	0.4	0.2	(a)
8/2/2021 10:47	0.4	0.2	(a)
8/2/2021 10:48	0.4	0.2	0.026
8/2/2021 10:49	0.4	0.2	(a)
8/2/2021 10:50	0.4	0.2	(a)
8/2/2021 10:51	0.4	0.2	(a)
8/2/2021 10:52	0.4	0.2	(a)
8/2/2021 10:53	0.4	0.2	0.025
8/2/2021 10:54	0.4	0.2	(a)
8/2/2021 10:55	0.4	0.2	(a)
8/2/2021 10:56	0.4	0.2	(a)
8/2/2021 10:57	0.4	0.2	(a)
8/2/2021 10:58	0.4	0.2	0.026
8/2/2021 10:59	0.4	0.2	(a)
8/2/2021 11:00	0.4	0.2	(a)
8/2/2021 11:01	0.4	0.2	(a)
8/2/2021 11:02	0.4	0.2	(a)
8/2/2021 11:03	0.4	0.2	0.025
8/2/2021 11:04	0.4	0.2	(a)
8/2/2021 11:05	0.4	0.2	(a)
8/2/2021 11:06	0.4	0.2	(a)
8/2/2021 11:07	0.4	0.2	(a)
8/2/2021 11:08	0.4	0.2	0.026

Record of Community Air Monitoring (Downwind Data) - 08/02/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
8/2/2021 11:09	0.4	0.2	(a)
8/2/2021 11:10	0.4	0.2	(a)
8/2/2021 11:11	0.4	0.2	(a)
8/2/2021 11:12	0.4	0.2	(a)
8/2/2021 11:13	0.5	0.2	0.026
8/2/2021 11:14	0.4	0.2	(a)
8/2/2021 11:15	0.4	0.2	(a)
8/2/2021 11:16	0.4	0.2	(a)
8/2/2021 11:17	0.4	0.2	(a)
8/2/2021 11:18	0.4	0.2	0.026
8/2/2021 11:19	0.4	0.2	(a)
8/2/2021 11:20	0.4	0.2	(a)
8/2/2021 11:21	0.4	0.2	(a)
8/2/2021 11:22	0.4	0.2	(a)
8/2/2021 11:23	0.4	0.2	0.026
8/2/2021 11:24	0.4	0.2	(a)
8/2/2021 11:25	0.4	0.2	(a)
8/2/2021 11:26	0.4	0.2	(a)
8/2/2021 11:27	0.4	0.2	(a)
8/2/2021 11:28	0.4	0.2	(a)
8/2/2021 11:29	0.4	0.2	(a)
8/2/2021 11:30	0.4	0.2	(a)
8/2/2021 11:31	0.4	0.2	(a)
8/2/2021 11:32	0.4	0.2	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (downwind perimeter).
3. VOC action level is 5 ppm greater than background (downwind perimeter).

(a) PM-10 data collected at 5 minute intervals.

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 9:54	(a)	(a)	0.015
3/4/2021 9:55	(a)	(a)	0.015
3/4/2021 9:56	(a)	(a)	0.015
3/4/2021 9:57	(a)	(a)	0.014
3/4/2021 9:58	(a)	(a)	0.014
3/4/2021 9:59	(a)	(a)	0.013
3/4/2021 10:00	(a)	(a)	0.013
3/4/2021 10:01	(a)	(a)	0.013
3/4/2021 10:02	(a)	(a)	0.013
3/4/2021 10:03	(a)	(a)	0.012
3/4/2021 10:04	(a)	(a)	0.012
3/4/2021 10:05	(a)	(a)	0.012
3/4/2021 10:06	(a)	(a)	0.012
3/4/2021 10:07	(a)	(a)	0.013
3/4/2021 10:08	(a)	(a)	0.013
3/4/2021 10:09	(a)	(a)	0.015
3/4/2021 10:10	(a)	(a)	0.015
3/4/2021 10:11	(a)	(a)	0.015
3/4/2021 10:12	(a)	(a)	0.016
3/4/2021 10:13	(a)	(a)	0.016
3/4/2021 10:14	(a)	(a)	0.016
3/4/2021 10:15	(a)	(a)	0.016
3/4/2021 10:16	(a)	(a)	0.016
3/4/2021 10:17	(a)	(a)	0.016
3/4/2021 10:18	(a)	(a)	0.016
3/4/2021 10:19	(a)	(a)	0.016
3/4/2021 10:20	(a)	(a)	0.017
3/4/2021 10:21	(a)	(a)	0.017
3/4/2021 10:22	(a)	(a)	0.017
3/4/2021 10:23	(a)	(a)	0.017
3/4/2021 10:24	(a)	(a)	0.017
3/4/2021 10:25	(a)	(a)	0.017
3/4/2021 10:26	(a)	(a)	0.017
3/4/2021 10:27	(a)	(a)	0.016
3/4/2021 10:28	(a)	(a)	0.016
3/42021 10:29	(a)	(a)	0.016
3/4/2021 10:30	(a)	(a)	0.016
3/4/2021 10:31	0	0	0.015

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 10:32	0	0	0.015
3/4/2021 10:33	0	0	0.015
3/4/2021 10:34	0	0	0.015
3/4/2021 10:35	0	0	0.015
3/4/2021 10:36	0	0	0.014
3/4/2021 10:37	0	0	0.014
3/4/2021 10:38	0	0	0.014
3/4/2021 10:39	0	0	0.014
3/4/2021 10:40	0	0	0.014
3/4/2021 10:41	0	0	0.014
3/4/2021 10:42	0	0	0.014
3/4/2021 10:43	0	0	0.014
3/4/2021 10:44	0	0	0.014
3/4/2021 10:45	0	0	0.014
3/4/2021 10:46	0	0	0.014
3/4/2021 10:47	0	0	0.014
3/4/2021 10:48	0	0	0.013
3/4/2021 10:49	0	0	0.013
3/4/2021 10:50	0	0	0.013
3/4/2021 10:51	0	0	0.013
3/4/2021 10:52	0	0	0.013
3/4/2021 10:53	0	0	0.013
3/4/2021 10:54	0	0	0.013
3/4/2021 10:55	0	0	0.012
3/4/2021 10:56	0	0	0.011
3/4/2021 10:57	0	0	0.012
3/4/2021 10:58	0	0	0.012
3/4/2021 10:59	0	0	0.011
3/4/2021 11:00	0	0	0.012
3/4/2021 11:01	0	0	0.012
3/4/2021 11:02	0	0	0.01
3/4/2021 11:03	0	0	0.01
3/4/2021 11:04	0	0	0.009
3/4/2021 11:05	0	0	0.009
3/4/2021 11:06	0	0	0.009
3/4/2021 11:07	0	0	0.009
3/4/2021 11:08	0	0	0.009
3/4/2021 11:09	0	0	0.009

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 11:10	0	0	0.008
3/4/2021 11:11	0	0	0.008
3/4/2021 11:12	0	0	0.009
3/4/2021 11:13	0	0	0.009
3/4/2021 11:14	0	0	0.009
3/4/2021 11:15	0	0	0.01
3/4/2021 11:16	0	0	0.009
3/4/2021 11:17	0	0	0.009
3/4/2021 11:18	0	0	0.009
3/4/2021 11:19	0	0	0.009
3/4/2021 11:20	0	0	0.008
3/4/2021 11:21	0	0	0.008
3/4/2021 11:22	0	0	0.008
3/4/2021 11:23	0	0	0.009
3/4/2021 11:24	0	0	0.01
3/4/2021 11:25	0	0	0.012
3/4/2021 11:26	0	0	0.011
3/4/2021 11:27	0	0	0.011
3/4/2021 11:28	0	0	0.013
3/4/2021 11:29	0	0	0.012
3/4/2021 11:30	0	0	0.011
3/4/2021 11:31	0	0	0.011
3/4/2021 11:32	0	0	0.01
3/4/2021 11:33	0	0	0.011
3/4/2021 11:34	0	0	0.011
3/4/2021 11:35	0	0	0.011
3/4/2021 11:36	0	0	0.011
3/4/2021 11:37	0	0	0.01
3/4/2021 11:38	0	0	0.01
3/4/2021 11:39	0	0	0.01
3/4/2021 11:40	0	0	0.009
3/4/2021 11:41	0	0	0.009
3/4/2021 11:42	0	0	0.009
3/4/2021 11:43	0	0	0.008
3/4/2021 11:44	0	0	0.008
3/4/2021 11:45	0	0	0.008
3/4/2021 11:46	0	0	0.008
3/4/2021 11:47	0	0	0.007

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 11:48	0	0	0.007
3/4/2021 11:49	0	0	0.007
3/4/2021 11:50	0	0	0.006
3/4/2021 11:51	0	0	0.006
3/4/2021 11:52	0	0	0.007
3/4/2021 11:53	0	0	0.006
3/4/2021 11:54	0	0	0.006
3/4/2021 11:55	0	0	0.006
3/4/2021 11:56	0	0	0.006
3/4/2021 11:57	0	0	0.006
3/4/2021 11:58	0	0	0.005
3/4/2021 11:59	0	0	0.005
3/4/2021 12:00	0	0	0.005
3/4/2021 12:01	0	0	0.005
3/4/2021 12:02	0	0	0.005
3/4/2021 12:03	0	0	0.005
3/4/2021 12:04	0	0	0.005
3/4/2021 12:05	0	0	0.005
3/4/2021 12:06	0	0	0.005
3/4/2021 12:07	0	0	0.005
3/4/2021 12:08	0	0	0.005
3/4/2021 12:09	0	0	0.005
3/4/2021 12:10	0	0	0.005
3/4/2021 12:11	0	0	0.005
3/4/2021 12:12	0	0	0.005
3/4/2021 12:13	0	0	0.005
3/4/2021 12:14	0	0	0.005
3/4/2021 12:15	0	0	0.005
3/4/2021 12:16	0	0	0.005
3/4/2021 12:17	0	0	0.005
3/4/2021 12:18	0	0	0.006
3/4/2021 12:19	0	0	0.005
3/4/2021 12:20	0	0	0.005
3/4/2021 12:21	0	0	0.005
3/4/2021 12:22	0	0	0.005
3/4/2021 12:23	0	0	0.005
3/4/2021 12:24	0	0	0.005
3/4/2021 12:25	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 12:26	0	0	0.005
3/4/2021 12:27	0	0	0.005
3/4/2021 12:28	0	0	0.005
3/4/2021 12:29	0	0	0.005
3/4/2021 12:30	0	0	0.005
3/4/2021 12:31	0	0	0.005
3/4/2021 12:32	0	0	0.005
3/4/2021 12:33	0	0	0.005
3/4/2021 12:34	0	0	0.005
3/4/2021 12:35	0	0	0.005
3/4/2021 12:36	0	0	0.005
3/4/2021 12:37	0	0	0.005
3/4/2021 12:38	0	0	0.005
3/4/2021 12:39	0	0	0.005
3/4/2021 12:40	0	0	0.005
3/4/2021 12:41	0	0	0.005
3/4/2021 12:42	0	0	0.005
3/4/2021 12:43	0	0	0.005
3/4/2021 12:44	0	0	0.005
3/4/2021 12:45	0	0	0.005
3/4/2021 12:46	0	0	0.005
3/4/2021 12:47	0	0	0.005
3/4/2021 12:48	0	0	0.004
3/4/2021 12:49	0	0	0.005
3/4/2021 12:50	0	0	0.005
3/4/2021 12:51	0	0	0.005
3/4/2021 12:52	0	0	0.006
3/4/2021 12:53	0	0	0.005
3/4/2021 12:54	0	0	0.005
3/4/2021 12:55	0	0	0.005
3/4/2021 12:56	0	0	0.005
3/4/2021 12:57	0	0	0.005
3/4/2021 12:58	0	0	0.005
3/4/2021 12:59	0	0	0.005
3/4/2021 13:00	0	0	0.005
3/4/2021 13:01	0	0	0.005
3/4/2021 13:02	0	0	0.005
3/4/2021 13:03	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 13:04	0	0	0.005
3/4/2021 13:05	0	0	0.004
3/4/2021 13:06	0	0	0.005
3/4/2021 13:07	0	0	0.004
3/4/2021 13:08	0	0	0.004
3/4/2021 13:09	0	0	0.004
3/4/2021 13:10	0	0	0.004
3/4/2021 13:11	0	0	0.004
3/4/2021 13:12	0	0	0.005
3/4/2021 13:13	0	0	0.005
3/4/2021 13:14	0	0	0.005
3/4/2021 13:15	0	0	0.005
3/4/2021 13:16	0	0	0.005
3/4/2021 13:17	0	0	0.005
3/4/2021 13:18	0	0	0.005
3/4/2021 13:19	0	0	0.005
3/4/2021 13:20	0	0	0.005
3/4/2021 13:21	0	0	0.005
3/4/2021 13:22	0	0	0.005
3/4/2021 13:23	0	0	0.005
3/4/2021 13:24	0	0	0.005
3/4/2021 13:25	0	0	0.005
3/4/2021 13:26	0	0	0.005
3/4/2021 13:27	0	0	0.005
3/4/2021 13:28	0	0	0.005
3/4/2021 13:29	0	0	0.004
3/4/2021 13:30	0	0	0.004
3/4/2021 13:31	0	0	0.005
3/4/2021 13:32	0	0	0.005
3/4/2021 13:33	0	0	0.004
3/4/2021 13:34	0	0	0.004
3/4/2021 13:35	0	0	0.005
3/4/2021 13:36	0	0	0.005
3/4/2021 13:37	0	0	0.004
3/4/2021 13:38	0	0	0.004
3/4/2021 13:39	0	0	0.004
3/4/2021 13:40	0	0	0.004
3/4/2021 13:41	0	0	0.004

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 13:42	0	0	0.004
3/4/2021 13:43	0	0	0.004
3/4/2021 13:44	0	0	0.004
3/4/2021 13:45	0	0	0.004
3/4/2021 13:46	0	0	0.004
3/4/2021 13:47	0	0	0.004
3/4/2021 13:48	0	0	0.005
3/4/2021 13:49	0	0	0.004
3/4/2021 13:50	0	0	0.004
3/4/2021 13:51	0	0	0.005
3/4/2021 13:52	0	0	0.005
3/4/2021 13:53	0	0	0.005
3/4/2021 13:54	0	0	0.005
3/4/2021 13:55	0	0	0.005
3/4/2021 13:56	0	0	0.005
3/4/2021 13:57	0	0	0.005
3/4/2021 13:58	0	0	0.005
3/4/2021 13:59	0	0	0.005
3/4/2021 14:00	0	0	0.005
3/4/2021 14:01	0	0	0.005
3/4/2021 14:02	0	0	0.004
3/4/2021 14:03	0	0	0.005
3/4/2021 14:04	0	0	0.005
3/4/2021 14:05	0	0	0.005
3/4/2021 14:06	0	0	0.005
3/4/2021 14:07	0	0	0.005
3/4/2021 14:08	0	0	0.005
3/4/2021 14:09	0	0	0.005
3/4/2021 14:10	0	0	0.005
3/4/2021 14:11	0	0	0.005
3/4/2021 14:12	0	0	0.004
3/4/2021 14:13	0	0	0.005
3/4/2021 14:14	0	0	0.005
3/4/2021 14:15	0	0	0.005
3/4/2021 14:16	0	0	0.005
3/4/2021 14:17	0	0	0.005
3/4/2021 14:18	0	0	0.005
3/4/2021 14:19	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 14:20	0	0	0.005
3/4/2021 14:21	0	0	0.005
3/4/2021 14:22	0	0	0.005
3/4/2021 14:23	0	0	0.005
3/4/2021 14:24	0	0	0.005
3/4/2021 14:25	0	0	0.005
3/4/2021 14:26	0	0	0.005
3/4/2021 14:27	0	0	0.005
3/4/2021 14:28	0	0	0.005
3/4/2021 14:29	0	0	0.005
3/4/2021 14:30	0	0	0.005
3/4/2021 14:31	0	0	0.005
3/4/2021 14:32	0	0	0.005
3/4/2021 14:33	0	0	0.005
3/4/2021 14:34	0	0	0.005
3/4/2021 14:35	0	0	0.005
3/4/2021 14:36	0	0	0.005
3/4/2021 14:37	0	0	0.005
3/4/2021 14:38	0	0	0.005
3/4/2021 14:39	0	0	0.005
3/4/2021 14:40	0	0	0.005
3/4/2021 14:41	0	0	0.005
3/4/2021 14:42	0	0	0.005
3/4/2021 14:43	0	0	0.005
3/4/2021 14:44	0	0	0.005
3/4/2021 14:45	0	0	0.005
3/4/2021 14:46	0	0	0.005
3/4/2021 14:47	0	0	0.005
3/4/2021 14:48	0	0	0.005
3/4/2021 14:49	0	0	0.005
3/4/2021 14:50	0	0	0.005
3/4/2021 14:51	0	0	0.005
3/4/2021 14:52	0	0	0.005
3/4/2021 14:53	0	0	0.005
3/4/2021 14:54	0	0	0.005
3/4/2021 14:55	0	0	0.005
3/4/2021 14:56	0	0	0.005
3/4/2021 14:57	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 14:58	0	0	0.005
3/4/2021 14:59	0	0	0.005
3/4/2021 15:00	0	0	0.005
3/4/2021 15:01	0	0	0.005
3/4/2021 15:02	0	0	0.005
3/4/2021 15:03	0	0	0.005
3/4/2021 15:04	0	0	0.005
3/4/2021 15:05	0	0	0.005
3/4/2021 15:06	0	0	0.005
3/4/2021 15:07	0	0	0.005
3/4/2021 15:08	0	0	0.005
3/4/2021 15:09	0	0	0.005
3/4/2021 15:10	0	0	0.005
3/4/2021 15:11	0	0	0.005
3/4/2021 15:12	0	0	0.005
3/4/2021 15:13	0	0	0.005
3/4/2021 15:14	0	0	0.005
3/4/2021 15:15	0	0	0.005
3/4/2021 15:16	0	0	0.005
3/4/2021 15:17	0	0	0.005
3/4/2021 15:18	0	0	0.005
3/4/2021 15:19	0	0	0.005
3/4/2021 15:20	0	0	0.005
3/4/2021 15:21	0	0	0.006
3/4/2021 15:22	0	0	0.005
3/4/2021 15:23	0	0	0.006
3/4/2021 15:24	0	0	0.006
3/4/2021 15:25	0	0	0.005
3/4/2021 15:26	0	0	0.006
3/4/2021 15:27	0	0	0.005
3/4/2021 15:28	0	0	0.005
3/4/2021 15:29	0	0	0.005
3/4/2021 15:30	0	0	0.005
3/4/2021 15:31	0	0	0.005
3/4/2021 15:32	0	0	0.005
3/4/2021 15:33	0	0	0.005
3/4/2021 15:34	0	0	0.005
3/4/2021 15:35	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 15:36	0	0	0.005
3/4/2021 15:37	0	0	0.005
3/4/2021 15:38	0	0	0.005
3/4/2021 15:39	0	0	0.005
3/4/2021 15:40	0	0	0.005
3/4/2021 15:41	0	0	0.005
3/4/2021 15:42	0	0	0.005
3/4/2021 15:43	0	0	0.005
3/4/2021 15:44	0	0	0.005
3/4/2021 15:45	0	0	0.005
3/4/2021 15:46	0	0	0.005
3/4/2021 15:47	0	0	0.005
3/4/2021 15:48	0	0	0.005
3/4/2021 15:49	0	0	0.005
3/4/2021 15:50	0	0	0.005
3/4/2021 15:51	0	0	0.005
3/4/2021 15:52	0	0	0.005
3/4/2021 15:53	0	0	0.005
3/4/2021 15:54	0	0	0.005
3/4/2021 15:55	0	0	0.005
3/4/2021 15:56	0	0	0.005
3/4/2021 15:57	0	0	0.005
3/4/2021 15:58	0	0	0.005
3/4/2021 15:59	0	0	0.005
3/4/2021 16:00	0	0	0.005
3/4/2021 16:01	0	0	0.005
3/4/2021 16:02	0	0	0.006
3/4/2021 16:03	0	0	0.006
3/4/2021 16:04	0	0	0.006
3/4/2021 16:05	0	0	0.006
3/4/2021 16:06	0	0	0.006
3/4/2021 16:07	0	0	0.006
3/4/2021 16:08	0	0	0.006
3/4/2021 16:09	0	0	0.006
3/4/2021 16:10	0	0	0.006
3/4/2021 16:11	0	0	0.006
3/4/2021 16:12	0	0	0.005
3/4/2021 16:13	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/04/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/4/2021 16:14	0	0	0.005
3/4/2021 16:15	0	0	0.005
3/4/2021 16:16	0	0	0.005
3/4/2021 16:17	0	0	0.005
3/4/2021 16:18	0	0	0.005
3/4/2021 16:19	0	0	0.005
3/4/2021 16:20	0	0	0.005
3/4/2021 16:21	0	0	0.005
3/4/2021 16:22	0	0	0.005
3/4/2021 16:23	0	0	(b)
3/4/2021 16:24	0	0	(b)
3/4/2021 16:25	0	0	(b)
3/4/2021 16:26	0	0	(b)
3/4/2021 16:27	0	0	(b)
3/4/2021 16:28	0	0	(b)
3/4/2021 16:29	0	0	(b)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

(b) Instrusive work was completed.

Record of Community Air Monitoring (Upwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 9:00	(a)	(a)	0
3/5/2021 9:01	(a)	(a)	(b)
3/5/2021 9:02	(a)	(a)	(b)
3/5/2021 9:03	(a)	(a)	(b)
3/5/2021 9:04	(a)	(a)	(b)
3/5/2021 9:05	(a)	(a)	(b)
3/5/2021 9:06	(a)	(a)	(b)
3/5/2021 9:07	(a)	(a)	(b)
3/5/2021 9:08	(a)	(a)	(b)
3/5/2021 9:09	(a)	(a)	(b)
3/5/2021 9:10	(a)	(a)	(b)
3/5/2021 9:11	(a)	(a)	(b)
3/5/2021 9:12	(a)	(a)	(b)
3/5/2021 9:13	(a)	(a)	(b)
3/5/2021 9:14	(a)	(a)	(b)
3/5/2021 9:15	(a)	(a)	0
3/5/2021 9:16	(a)	(a)	(b)
3/5/2021 9:17	(a)	(a)	(b)
3/5/2021 9:18	(a)	(a)	(b)
3/5/2021 9:19	(a)	(a)	(b)
3/5/2021 9:20	(a)	(a)	(b)
3/5/2021 9:21	(a)	(a)	(b)
3/5/2021 9:22	(a)	(a)	(b)
3/5/2021 9:23	(a)	(a)	(b)
3/5/2021 9:24	(a)	(a)	(b)
3/5/2021 9:25	(a)	(a)	(b)
3/5/2021 9:26	(a)	(a)	(b)
3/5/2021 9:27	(a)	(a)	(b)
3/5/2021 9:28	(a)	(a)	(b)
3/5/2021 9:29	(a)	(a)	(b)
3/5/2021 9:30	(a)	(a)	0
3/5/2021 9:31	(a)	(a)	(b)
3/5/2021 9:32	(a)	(a)	(b)
3/5/2021 9:33	(a)	(a)	(b)
3/5/2021 9:34	(a)	(a)	(b)
3/5/2021 9:35	(a)	(a)	(b)
3/5/2021 9:36	(a)	(a)	(b)
3/5/2021 9:37	(a)	(a)	(b)

Record of Community Air Monitoring (Upwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 9:38	(a)	(a)	(b)
3/5/2021 9:39	(a)	(a)	(b)
3/5/2021 9:40	(a)	(a)	(b)
3/5/2021 9:41	(a)	(a)	(b)
3/5/2021 9:42	(a)	(a)	(b)
3/5/2021 9:43	(a)	(a)	(b)
3/5/2021 9:44	(a)	(a)	(b)
3/5/2021 9:45	(a)	(a)	0
3/5/2021 9:46	(a)	(a)	(b)
3/5/2021 9:47	(a)	(a)	(b)
3/5/2021 9:48	(a)	(a)	(b)
3/5/2021 9:49	(a)	(a)	(b)
3/5/2021 9:50	(a)	(a)	(b)
3/5/2021 9:51	(a)	(a)	(b)
3/5/2021 9:52	(a)	(a)	(b)
3/5/2021 9:53	(a)	(a)	(b)
3/5/2021 9:54	(a)	(a)	(b)
3/5/2021 9:55	(a)	(a)	(b)
3/5/2021 9:56	(a)	(a)	(b)
3/5/2021 9:57	(a)	(a)	(b)
3/5/2021 9:58	(a)	(a)	(b)
3/5/2021 9:59	(a)	(a)	(b)
3/5/2021 10:00	(a)	(a)	0
3/5/2021 10:01	(a)	(a)	(b)
3/5/2021 10:02	(a)	(a)	(b)
3/5/2021 10:03	(a)	(a)	(b)
3/5/2021 10:04	(a)	(a)	(b)
3/5/2021 10:05	(a)	(a)	(b)
3/5/2021 10:06	(a)	(a)	(b)
3/5/2021 10:07	(a)	(a)	(b)
3/5/2021 10:08	(a)	(a)	(b)
3/5/2021 10:09	(a)	(a)	(b)
3/5/2021 10:10	(a)	(a)	(b)
3/5/2021 10:11	(a)	(a)	(b)
3/5/2021 10:12	(a)	(a)	(b)
3/5/2021 10:13	(a)	(a)	(b)
3/5/2021 10:14	(a)	(a)	(b)
3/5/2021 10:15	(a)	(a)	0

Record of Community Air Monitoring (Upwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 10:16	(a)	(a)	(b)
3/5/2021 10:17	(a)	(a)	(b)
3/5/2021 10:18	(a)	(a)	(b)
3/5/2021 10:19	(a)	(a)	(b)
3/5/2021 10:20	0	0	(b)
3/5/2021 10:21	0	0	(b)
3/5/2021 10:22	0	0	(b)
3/5/2021 10:23	0	0	(b)
3/5/2021 10:24	0	0	(b)
3/5/2021 10:25	0	0	(b)
3/5/2021 10:26	0	0	(b)
3/5/2021 10:27	0	0	(b)
3/5/2021 10:28	0	0	(b)
3/5/2021 10:29	0	0	(b)
3/5/2021 10:30	0	0	0
3/5/2021 10:31	0	0	(b)
3/5/2021 10:32	0	0	(b)
3/5/2021 10:33	0	0	(b)
3/5/2021 10:34	0	0	(b)
3/5/2021 10:35	0	0	(b)
3/5/2021 10:36	0	0	(b)
3/5/2021 10:37	0	0	(b)
3/5/2021 10:38	0	0	(b)
3/5/2021 10:39	0	0	(b)
3/5/2021 10:40	0	0	(b)
3/5/2021 10:41	0	0	(b)
3/5/2021 10:42	0	0	(b)
3/5/2021 10:43	0	0	(b)
3/5/2021 10:44	0	0	(b)
3/5/2021 10:45	0	0	0
3/5/2021 10:46	0	0	(b)
3/5/2021 10:47	0	0	(b)
3/5/2021 10:48	0	0	(b)
3/5/2021 10:49	0	0	(b)
3/5/2021 10:50	0	0	(b)
3/5/2021 10:51	0	0	(b)
3/5/2021 10:52	0	0	(b)
3/5/2021 10:53	0	0	(b)

Record of Community Air Monitoring (Upwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 10:54	0	0	(b)
3/5/2021 10:55	0	0	(b)
3/5/2021 10:56	0	0	(b)
3/5/2021 10:57	0	0	(b)
3/5/2021 10:58	0	0	(b)
3/5/2021 10:59	0	0	(b)
3/5/2021 11:00	0	0	0
3/5/2021 11:01	0	0	(b)
3/5/2021 11:02	0	0	(b)
3/5/2021 11:03	0	0	(b)
3/5/2021 11:04	0	0	(b)
3/5/2021 11:05	0	0	(b)
3/5/2021 11:06	0	0	(b)
3/5/2021 11:07	0	0	(b)
3/5/2021 11:08	0	0	(b)
3/5/2021 11:09	0	0	(b)
3/5/2021 11:10	0	0	(b)
3/5/2021 11:11	0	0	(b)
3/5/2021 11:12	0	0	(b)
3/5/2021 11:13	0	0	(b)
3/5/2021 11:14	0	0	(b)
3/5/2021 11:15	0	0	0
3/5/2021 11:16	0	0	(b)
3/5/2021 11:17	0	0	(b)
3/5/2021 11:18	0	0	(b)
3/5/2021 11:19	0	0	(b)
3/5/2021 11:20	0	0	(b)
3/5/2021 11:21	0	0	(b)
3/5/2021 11:22	0	0	(b)
3/5/2021 11:23	0	0	(b)
3/5/2021 11:24	0	0	(b)
3/5/2021 11:25	0	0	(b)
3/5/2021 11:26	0	0	(b)
3/5/2021 11:27	0	0	(b)
3/5/2021 11:28	0	0	(b)
3/5/2021 11:29	0	0	(b)
3/5/2021 11:30	0	0	0
3/5/2021 11:31	0	0	(b)

Record of Community Air Monitoring (Upwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 11:32	0	0	(b)
3/5/2021 11:33	0	0	(b)
3/5/2021 11:34	0	0	(b)
3/5/2021 11:35	0	0	(b)
3/5/2021 11:36	0	0	(b)
3/5/2021 11:37	0	0	(b)
3/5/2021 11:38	0	0	(b)
3/5/2021 11:39	0	0	(b)
3/5/2021 11:40	0	0	(b)
3/5/2021 11:41	0	0	(b)
3/5/2021 11:42	0	0	(b)
3/5/2021 11:43	0	0	(b)
3/5/2021 11:44	0	0	(b)
3/5/2021 11:45	0	0	0
3/5/2021 11:46	0	0	(b)
3/5/2021 11:47	0	0	(b)
3/5/2021 11:48	0	0	(b)
3/5/2021 11:49	0	0	(b)
3/5/2021 11:50	0	0	(b)
3/5/2021 11:51	0	0	(b)
3/5/2021 11:52	0	0	(b)
3/5/2021 11:53	0	0	(b)
3/5/2021 11:54	0	0	(b)
3/5/2021 11:55	0	0	(b)
3/5/2021 11:56	0	0	(b)
3/5/2021 11:57	0	0	(b)
3/5/2021 11:58	0	0	(b)
3/5/2021 11:59	0	0	(b)
3/5/2021 12:00	0	0	0.001
3/5/2021 12:01	0	0	(b)
3/5/2021 12:02	0	0	(b)
3/5/2021 12:03	0	0	(b)
3/5/2021 12:04	0	0	(b)
3/5/2021 12:05	0	0	(b)
3/5/2021 12:06	0	0	(b)
3/5/2021 12:07	0	0	(b)
3/5/2021 12:08	0	0	(b)
3/5/2021 12:09	0	0	(b)

Record of Community Air Monitoring (Upwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 12:10	0	0	(b)
3/5/2021 12:11	0	0	(b)
3/5/2021 12:12	0	0	(b)
3/5/2021 12:13	0	0	(b)
3/5/2021 12:14	0	0	(b)
3/5/2021 12:15	0	0	0.001
3/5/2021 12:16	0	0	(b)
3/5/2021 12:17	0	0	(b)
3/5/2021 12:18	0	0	(b)
3/5/2021 12:19	0	0	(b)
3/5/2021 12:20	0	0	(b)
3/5/2021 12:21	0	0	(b)
3/5/2021 12:22	0	0	(b)
3/5/2021 12:23	0	0	(b)
3/5/2021 12:24	0	0	(b)
3/5/2021 12:25	0	0	(b)
3/5/2021 12:26	0	0	(b)
3/5/2021 12:27	0	0	(b)
3/5/2021 12:28	0	0	(b)
3/5/2021 12:29	0	0	(b)
3/5/2021 12:30	0	0	0.001
3/5/2021 12:31	0	0	(b)
3/5/2021 12:32	0	0	(b)
3/5/2021 12:33	0	0	(b)
3/5/2021 12:34	0	0	(b)
3/5/2021 12:35	0	0	(b)
3/5/2021 12:36	0	0	(b)
3/5/2021 12:37	0	0	(b)
3/5/2021 12:38	0	0	(b)
3/5/2021 12:39	0	0	(b)
3/5/2021 12:40	0	0	(b)
3/5/2021 12:41	0	0	(b)
3/5/2021 12:42	0	0	(b)
3/5/2021 12:43	0	0	(b)
3/5/2021 12:44	0	0	(b)
3/5/2021 12:45	0	0	0.001
3/5/2021 12:46	0	0	(b)
3/5/2021 12:47	0	0	(b)

Record of Community Air Monitoring (Upwind Data) - 03/05/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/5/2021 12:48	0	0	(b)
3/5/2021 12:49	0	0	(b)
3/5/2021 12:50	0	0	(b)
3/5/2021 12:51	0	0	(b)
3/5/2021 12:52	0	0	(b)
3/5/2021 12:53	0	0	(b)
3/5/2021 12:54	0	0	(b)
3/5/2021 12:55	0	0	(b)
3/5/2021 12:56	0	0	(b)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

(b) PM-10 data collected at 15 minute intervals.

Record of Community Air Monitoring (Upwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 8:30	(a)	(a)	0.005
3/8/2021 8:31	(a)	(a)	0.005
3/8/2021 8:32	(a)	(a)	0.005
3/8/2021 8:33	(a)	(a)	0.005
3/8/2021 8:34	(a)	(a)	0.005
3/8/2021 8:35	(a)	(a)	0.005
3/8/2021 8:36	(a)	(a)	0.005
3/8/2021 8:37	(a)	(a)	0.005
3/8/2021 8:38	(a)	(a)	0.005
3/8/2021 8:39	(a)	(a)	0.005
3/8/2021 8:40	(a)	(a)	0.005
3/8/2021 8:41	(a)	(a)	0.005
3/8/2021 8:42	(a)	(a)	0.005
3/8/2021 8:43	(a)	(a)	0.005
3/8/2021 8:44	(a)	(a)	0.005
3/8/2021 8:45	(a)	(a)	0.005
3/8/2021 8:46	(a)	(a)	0.005
3/8/2021 8:47	(a)	(a)	0.005
3/8/2021 8:48	(a)	(a)	0.005
3/8/2021 8:49	(a)	(a)	0.005
3/8/2021 8:50	(a)	(a)	0.005
3/8/2021 8:51	(a)	(a)	0.005
3/8/2021 8:52	(a)	(a)	0.005
3/8/2021 8:53	(a)	(a)	0.005
3/8/2021 8:54	(a)	(a)	0.005
3/8/2021 8:55	(a)	(a)	0.005
3/8/2021 8:56	(a)	(a)	0.004
3/8/2021 8:57	(a)	(a)	0.005
3/8/2021 8:58	(a)	(a)	0.005
3/8/2021 8:59	(a)	(a)	0.005
3/8/2021 9:00	(a)	(a)	0.005
3/8/2021 9:01	(a)	(a)	0.005
3/8/2021 9:02	(a)	(a)	0.004
3/8/2021 9:03	(a)	(a)	0.004
3/8/2021 9:04	(a)	(a)	0.005
3/8/2021 9:05	(a)	(a)	0.005
3/8/2021 9:06	(a)	(a)	0.005
3/8/2021 9:07	(a)	(a)	0.005

Record of Community Air Monitoring (Upwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 9:08	(a)	(a)	0.005
3/8/2021 9:09	(a)	(a)	0.005
3/8/2021 9:10	(a)	(a)	0.005
3/8/2021 9:11	(a)	(a)	0.005
3/8/2021 9:12	(a)	(a)	0.005
3/8/2021 9:13	(a)	(a)	0.005
3/8/2021 9:14	(a)	(a)	0.005
3/8/2021 9:15	(a)	(a)	0.005
3/8/2021 9:16	(a)	(a)	0.005
3/8/2021 9:17	(a)	(a)	0.005
3/8/2021 9:18	(a)	(a)	0.005
3/8/2021 9:19	(a)	(a)	0.005
3/8/2021 9:20	(a)	(a)	0.005
3/8/2021 9:21	(a)	(a)	0.005
3/8/2021 9:22	(a)	(a)	0.005
3/8/2021 9:23	(a)	(a)	0.005
3/8/2021 9:24	(a)	(a)	0.005
3/8/2021 9:25	(a)	(a)	0.005
3/8/2021 9:26	(a)	(a)	0.005
3/8/2021 9:27	(a)	(a)	0.005
3/8/2021 9:28	(a)	(a)	0.005
3/8/2021 9:29	(a)	(a)	0.005
3/8/2021 9:30	(a)	(a)	0.005
3/8/2021 9:31	(a)	(a)	0.005
3/8/2021 9:32	(a)	(a)	0.005
3/8/2021 9:33	(a)	(a)	0.005
3/8/2021 9:34	(a)	(a)	0.005
3/8/2021 9:35	(a)	(a)	0.005
3/8/2021 9:36	(a)	(a)	0.005
3/8/2021 9:37	(a)	(a)	0.005
3/8/2021 9:38	(a)	(a)	0.005
3/8/2021 9:39	(a)	(a)	0.005
3/8/2021 9:40	(a)	(a)	0.005
3/8/2021 9:41	(a)	(a)	0.005
3/8/2021 9:42	(a)	(a)	0.005
3/8/2021 9:43	(a)	(a)	0.005
3/8/2021 9:44	(a)	(a)	0.005
3/8/2021 9:45	(a)	(a)	0.005

Record of Community Air Monitoring (Upwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 9:46	(a)	(a)	0.005
3/8/2021 9:47	(a)	(a)	0.005
3/8/2021 9:48	(a)	(a)	0.005
3/8/2021 9:49	(a)	(a)	0.005
3/8/2021 9:50	(a)	(a)	0.005
3/8/2021 9:51	(a)	(a)	0.005
3/8/2021 9:52	(a)	(a)	0.005
3/8/2021 9:53	(a)	(a)	0.005
3/8/2021 9:54	(a)	(a)	0.005
3/8/2021 9:55	(a)	(a)	0.005
3/8/2021 9:56	(a)	(a)	0.005
3/8/2021 9:57	(a)	(a)	0.005
3/8/2021 9:58	(a)	(a)	0.005
3/8/2021 9:59	(a)	(a)	0.005
3/8/2021 10:00	(a)	(a)	0.005
3/8/2021 10:01	(a)	(a)	0.005
3/8/2021 10:02	(a)	(a)	0.005
3/8/2021 10:03	(a)	(a)	0.005
3/8/2021 10:04	(a)	(a)	0.005
3/8/2021 10:05	0	0	0.005
3/8/2021 10:06	0	0	0.005
3/8/2021 10:07	0	0	0.005
3/8/2021 10:08	0	0	0.005
3/8/2021 10:09	0	0	0.005
3/8/2021 10:10	0	0	0.005
3/8/2021 10:11	0	0	0.005
3/8/2021 10:12	0	0	0.005
3/8/2021 10:13	0	0	0.005
3/8/2021 10:14	0	0	0.005
3/8/2021 10:15	0	0	0.005
3/8/2021 10:16	0	0	0.005
3/8/2021 10:17	0	0	0.005
3/8/2021 10:18	0	0	0.005
3/8/2021 10:19	0	0	0.005
3/8/2021 10:20	0	0	0.005
3/8/2021 10:21	0	0	0.005
3/8/2021 10:22	0	0	0.005
3/8/2021 10:23	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 10:24	0	0	0.005
3/8/2021 10:25	0	0	0.005
3/8/2021 10:26	0	0	0.005
3/8/2021 10:27	0	0	0.004
3/8/2021 10:28	0	0	0.005
3/8/2021 10:29	0	0	0.005
3/8/2021 10:30	0	0	0.005
3/8/2021 10:31	0	0	0.004
3/8/2021 10:32	0	0	0.004
3/8/2021 10:33	0	0	0.004
3/8/2021 10:34	0	0	0.004
3/8/2021 10:35	0	0	0.004
3/8/2021 10:36	0	0	0.004
3/8/2021 10:37	0	0	0.004
3/8/2021 10:38	0	0	0.004
3/8/2021 10:39	0	0	0.004
3/8/2021 10:40	0	0	0.004
3/8/2021 10:41	0	0	0.004
3/8/2021 10:42	0	0	0.004
3/8/2021 10:43	0	0	0.005
3/8/2021 10:44	0	0	0.005
3/8/2021 10:45	0	0	0.005
3/8/2021 10:46	0	0	0.005
3/8/2021 10:47	0	0	0.005
3/8/2021 10:48	0	0	0.005
3/8/2021 10:49	0	0	0.005
3/8/2021 10:50	0	0	0.004
3/8/2021 10:51	0	0	0.004
3/8/2021 10:52	0	0	0.004
3/8/2021 10:53	0	0	0.004
3/8/2021 10:54	0	0	0.004
3/8/2021 10:55	0	0	0.004
3/8/2021 10:56	0	0	0.004
3/8/2021 10:57	0	0	0.005
3/8/2021 10:58	0	0	0.005
3/8/2021 10:59	0	0	0.005
3/8/2021 11:00	0	0	0.004
3/8/2021 11:01	0	0	0.004

Record of Community Air Monitoring (Upwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 11:02	0	0	0.004
3/8/2021 11:03	0	0	0.004
3/8/2021 11:04	0	0	0.005
3/8/2021 11:05	0	0	0.005
3/8/2021 11:06	0	0	0.005
3/8/2021 11:07	0	0	0.005
3/8/2021 11:08	0	0	0.005
3/8/2021 11:09	0	0	0.005
3/8/2021 11:10	0	0	0.005
3/8/2021 11:11	0	0	0.005
3/8/2021 11:12	0	0	0.005
3/8/2021 11:13	0	0	0.005
3/8/2021 11:14	0	0	0.005
3/8/2021 11:15	0	0	0.005
3/8/2021 11:16	0	0	0.005
3/8/2021 11:17	0	0	0.005
3/8/2021 11:18	0	0	0.005
3/8/2021 11:19	0	0	0.005
3/8/2021 11:20	0	0	0.005
3/8/2021 11:21	0	0	0.005
3/8/2021 11:22	0	0	0.005
3/8/2021 11:23	0	0	0.005
3/8/2021 11:24	0	0	0.005
3/8/2021 11:25	0	0	0.005
3/8/2021 11:26	0	0	0.005
3/8/2021 11:27	0	0	0.005
3/8/2021 11:28	0	0	0.005
3/8/2021 11:29	0	0	0.005
3/8/2021 11:30	0	0	0.005
3/8/2021 11:31	0	0	0.005
3/8/2021 11:32	0	0	0.005
3/8/2021 11:33	0	0	0.005
3/8/2021 11:34	0	0	0.005
3/8/2021 11:35	0	0	0.005
3/8/2021 11:36	0	0	0.005
3/8/2021 11:37	0	0	0.005
3/8/2021 11:38	0	0	0.005
3/8/2021 11:39	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 11:40	0	0	0.005
3/8/2021 11:41	0	0	0.005
3/8/2021 11:42	0	0	0.005
3/8/2021 11:43	0	0	0.005
3/8/2021 11:44	0	0	0.005
3/8/2021 11:45	0	0	0.005
3/8/2021 11:46	0	0	0.005
3/8/2021 11:47	0	0	0.005
3/8/2021 11:48	0	0	0.005
3/8/2021 11:49	0	0	0.005
3/8/2021 11:50	0	0	0.005
3/8/2021 11:51	0	0	0.005
3/8/2021 11:52	0	0	0.005
3/8/2021 11:53	0	0	0.005
3/8/2021 11:54	0	0	0.004
3/8/2021 11:55	0	0	0.004
3/8/2021 11:56	0	0	0.005
3/8/2021 11:57	0	0	0.005
3/8/2021 11:58	0	0	0.005
3/8/2021 11:59	0	0	0.005
3/8/2021 12:00	0	0	0.005
3/8/2021 12:01	0	0	0.005
3/8/2021 12:02	0	0	0.005
3/8/2021 12:03	0	0	0.005
3/8/2021 12:04	0	0	0.005
3/8/2021 12:05	0	0	0.005
3/8/2021 12:06	0	0	0.005
3/8/2021 12:07	0	0	0.005
3/8/2021 12:08	0	0	0.005
3/8/2021 12:09	0	0	0.005
3/8/2021 12:10	0	0	0.005
3/8/2021 12:11	0	0	0.005
3/8/2021 12:12	0	0	0.005
3/8/2021 12:13	0	0	0.005
3/8/2021 12:14	0	0	0.005
3/8/2021 12:15	0	0	0.005
3/8/2021 12:16	0	0	0.005
3/8/2021 12:17	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 12:18	0	0	0.005
3/8/2021 12:19	0	0	0.005
3/8/2021 12:20	0	0	0.005
3/8/2021 12:21	0	0	0.005
3/8/2021 12:22	0	0	0.005
3/8/2021 12:23	0	0	0.005
3/8/2021 12:24	0	0	0.005
3/8/2021 12:25	0	0	0.005
3/8/2021 12:26	0	0	0.005
3/8/2021 12:27	0	0	0.005
3/8/2021 12:28	0	0	0.005
3/8/2021 12:29	0	0	0.005
3/8/2021 12:30	0	0	0.005
3/8/2021 12:31	0	0	0.005
3/8/2021 12:32	0	0	0.005
3/8/2021 12:33	0	0	0.005
3/8/2021 12:34	0	0	0.005
3/8/2021 12:35	0	0	0.005
3/8/2021 12:36	0	0	0.005
3/8/2021 12:37	0	0	0.005
3/8/2021 12:38	0	0	0.005
3/8/2021 12:39	0	0	0.005
3/8/2021 12:40	0	0	0.006
3/8/2021 12:41	0	0	0.006
3/8/2021 12:42	0	0	0.005
3/8/2021 12:43	0	0	0.005
3/8/2021 12:44	0	0	0.006
3/8/2021 12:45	0	0	0.006
3/8/2021 12:46	0	0	0.006
3/8/2021 12:47	0	0	0.006
3/8/2021 12:48	0	0	0.006
3/8/2021 12:49	0	0	0.006
3/8/2021 12:50	0	0	0.005
3/8/2021 12:51	0	0	0.005
3/8/2021 12:52	0	0	0.005
3/8/2021 12:53	0	0	0.005
3/8/2021 12:54	0	0	0.005
3/8/2021 12:55	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 12:56	0	0	0.005
3/8/2021 12:57	0	0	0.005
3/8/2021 12:58	0	0	0.005
3/8/2021 12:59	0	0	0.005
3/8/2021 13:00	0	0	0.005
3/8/2021 13:01	0	0	0.005
3/8/2021 13:02	0	0	0.005
3/8/2021 13:03	0	0	0.005
3/8/2021 13:04	0	0	0.005
3/8/2021 13:05	0	0	0.005
3/8/2021 13:06	0	0	0.005
3/8/2021 13:07	0	0	0.005
3/8/2021 13:08	0	0	0.005
3/8/2021 13:09	0	0	0.005
3/8/2021 13:10	0	0	0.005
3/8/2021 13:11	0	0	0.005
3/8/2021 13:12	0	0	0.005
3/8/2021 13:13	0	0	0.005
3/8/2021 13:14	0	0	0.005
3/8/2021 13:15	0	0	0.005
3/8/2021 13:16	0	0	0.005
3/8/2021 13:17	0	0	0.005
3/8/2021 13:18	0	0	0.005
3/8/2021 13:19	0	0	0.005
3/8/2021 13:20	0	0	0.005
3/8/2021 13:21	0	0	0.005
3/8/2021 13:22	0	0	0.005
3/8/2021 13:23	0	0	0.005
3/8/2021 13:24	0	0	0.005
3/8/2021 13:25	0	0	0.005
3/8/2021 13:26	0	0	0.005
3/8/2021 13:27	0	0	0.005
3/8/2021 13:28	0	0	0.005
3/8/2021 13:29	0	0	0.005
3/8/2021 13:30	0	0	0.005
3/8/2021 13:31	0	0	0.005
3/8/2021 13:32	0	0	0.005
3/8/2021 13:33	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 13:34	0	0	0.005
3/8/2021 13:35	0	0	0.005
3/8/2021 13:36	0	0	0.005
3/8/2021 13:37	0	0	0.005
3/8/2021 13:38	0	0	0.005
3/8/2021 13:39	0	0	0.005
3/8/2021 13:40	0	0	0.005
3/8/2021 13:41	0	0	0.005
3/8/2021 13:42	0	0	0.005
3/8/2021 13:43	0	0	0.005
3/8/2021 13:44	0	0	0.005
3/8/2021 13:45	0	0	0.005
3/8/2021 13:46	0	0	0.005
3/8/2021 13:47	0	0	0.005
3/8/2021 13:48	0	0	0.005
3/8/2021 13:49	0	0	0.005
3/8/2021 13:50	0	0	0.005
3/8/2021 13:51	0	0	0.005
3/8/2021 13:52	0	0	0.005
3/8/2021 13:53	0	0	0.005
3/8/2021 13:54	0	0	0.005
3/8/2021 13:55	0	0	0.005
3/8/2021 13:56	0	0	0.005
3/8/2021 13:57	0	0	0.005
3/8/2021 13:58	0	0	0.005
3/8/2021 13:59	0	0	0.005
3/8/2021 14:00	0	0	0.005
3/8/2021 14:01	0	0	0.005
3/8/2021 14:02	0	0	0.005
3/8/2021 14:03	0	0	0.005
3/8/2021 14:04	0	0	0.005
3/8/2021 14:05	0	0	0.005
3/8/2021 14:06	0	0	0.005
3/8/2021 14:07	0	0	0.005
3/8/2021 14:08	0	0	0.005
3/8/2021 14:09	0	0	0.005
3/8/2021 14:10	0	0	0.005
3/8/2021 14:11	0	0	0.005

Record of Community Air Monitoring (Upwind Data) - 03/08/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/8/2021 14:12	0	0	0.005
3/8/2021 14:13	0	0	0.005
3/8/2021 14:14	0	0	0.005
3/8/2021 14:15	0	0	0.005
3/8/2021 14:16	0	0	0.006
3/8/2021 14:17	0	0	0.006
3/8/2021 14:18	0	0	0.006
3/8/2021 14:19	0	0	0.006
3/8/2021 14:20	0	0	0.006
3/8/2021 14:21	0	0	0.005
3/8/2021 14:22	0	0	0.006
3/8/2021 14:23	0	0	0.006
3/8/2021 14:24	0	0	0.006
3/8/2021 14:25	0	0	0.006
3/8/2021 14:26	0	0	0.006
3/8/2021 14:27	0	0	0.006
3/8/2021 14:28	0	0	0.006
3/8/2021 14:29	0	0	0.006
3/8/2021 14:30	0	0	0.006
3/8/2021 14:31	0	0	0.006
3/8/2021 14:32	0	0	0.006
3/8/2021 14:33	0	0	0.006
3/8/2021 14:34	0	0	0.006
3/8/2021 14:35	0	0	0.006
3/8/2021 14:36	0	0	0.006
3/8/2021 14:37	0	0	0.006
3/8/2021 14:38	0	0	0.006
3/8/2021 14:39	0	0	0.006

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 8:10	(a)	(a)	0.022
3/11/2021 8:11	(a)	(a)	0.022
3/11/2021 8:12	(a)	(a)	0.022
3/11/2021 8:13	(a)	(a)	0.022
3/11/2021 8:14	(a)	(a)	0.022
3/11/2021 8:15	(a)	(a)	0.022
3/11/2021 8:16	(a)	(a)	0.022
3/11/2021 8:17	(a)	(a)	0.022
3/11/2021 8:18	(a)	(a)	0.022
3/11/2021 8:19	(a)	(a)	0.022
3/11/2021 8:20	(a)	(a)	0.022
3/11/2021 8:21	(a)	(a)	0.021
3/11/2021 8:22	(a)	(a)	0.021
3/11/2021 8:23	(a)	(a)	0.022
3/11/2021 8:24	(a)	(a)	0.021
3/11/2021 8:25	(a)	(a)	0.021
3/11/2021 8:26	(a)	(a)	0.021
3/11/2021 8:27	(a)	(a)	0.021
3/11/2021 8:28	(a)	(a)	0.021
3/11/2021 8:29	(a)	(a)	0.021
3/11/2021 8:30	(a)	(a)	0.021
3/11/2021 8:31	(a)	(a)	0.021
3/11/2021 8:32	(a)	(a)	0.021
3/11/2021 8:33	(a)	(a)	0.02
3/11/2021 8:34	(a)	(a)	0.02
3/11/2021 8:35	(a)	(a)	0.02
3/11/2021 8:36	(a)	(a)	0.02
3/11/2021 8:37	(a)	(a)	0.02
3/11/2021 8:38	(a)	(a)	0.02
3/11/2021 8:39	(a)	(a)	0.02
3/11/2021 8:40	(a)	(a)	0.02
3/11/2021 8:41	(a)	(a)	0.02
3/11/2021 8:42	(a)	(a)	0.02
3/11/2021 8:43	(a)	(a)	0.02
3/11/2021 8:44	(a)	(a)	0.02
3/11/2021 8:45	(a)	(a)	0.02
3/11/2021 8:46	(a)	(a)	0.02
3/11/2021 8:47	(a)	(a)	0.02

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 8:48	(a)	(a)	0.02
3/11/2021 8:49	(a)	(a)	0.02
3/11/2021 8:50	(a)	(a)	0.02
3/11/2021 8:51	(a)	(a)	0.02
3/11/2021 8:52	(a)	(a)	0.02
3/11/2021 8:53	(a)	(a)	0.02
3/11/2021 8:54	(a)	(a)	0.02
3/11/2021 8:55	(a)	(a)	0.02
3/11/2021 8:56	(a)	(a)	0.021
3/11/2021 8:57	(a)	(a)	0.021
3/11/2021 8:58	(a)	(a)	0.02
3/11/2021 8:59	(a)	(a)	0.02
3/11/2021 9:00	(a)	(a)	0.02
3/11/2021 9:01	(a)	(a)	0.02
3/11/2021 9:02	(a)	(a)	0.02
3/11/2021 9:03	(a)	(a)	0.02
3/11/2021 9:04	(a)	(a)	0.02
3/11/2021 9:05	(a)	(a)	0.02
3/11/2021 9:06	(a)	(a)	0.02
3/11/2021 9:07	(a)	(a)	0.02
3/11/2021 9:08	(a)	(a)	0.02
3/11/2021 9:09	(a)	(a)	0.02
3/11/2021 9:10	(a)	(a)	0.02
3/11/2021 9:11	(a)	(a)	0.02
3/11/2021 9:12	(a)	(a)	0.02
3/11/2021 9:13	(a)	(a)	0.02
3/11/2021 9:14	(a)	(a)	0.02
3/11/2021 9:15	(a)	(a)	0.02
3/11/2021 9:16	(a)	(a)	0.02
3/11/2021 9:17	(a)	(a)	0.02
3/11/2021 9:18	(a)	(a)	0.02
3/11/2021 9:19	(a)	(a)	0.02
3/11/2021 9:20	(a)	(a)	0.02
3/11/2021 9:21	(a)	(a)	0.02
3/11/2021 9:22	(a)	(a)	0.021
3/11/2021 9:23	(a)	(a)	0.02
3/11/2021 9:24	(a)	(a)	0.02
3/11/2021 9:25	(a)	(a)	0.02

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 9:26	(a)	(a)	0.02
3/11/2021 9:27	(a)	(a)	0.02
3/11/2021 9:28	(a)	(a)	0.02
3/11/2021 9:29	(a)	(a)	0.02
3/11/2021 9:30	(a)	(a)	0.02
3/11/2021 9:31	(a)	(a)	0.02
3/11/2021 9:32	(a)	(a)	0.02
3/11/2021 9:33	(a)	(a)	0.02
3/11/2021 9:34	(a)	(a)	0.021
3/11/2021 9:35	(a)	(a)	0.021
3/11/2021 9:36	(a)	(a)	0.021
3/11/2021 9:37	(a)	(a)	0.021
3/11/2021 9:38	(a)	(a)	0.021
3/11/2021 9:39	(a)	(a)	0.021
3/11/2021 9:40	(a)	(a)	0.021
3/11/2021 9:41	(a)	(a)	0.021
3/11/2021 9:42	(a)	(a)	0.021
3/11/2021 9:43	(a)	(a)	0.021
3/11/2021 9:44	(a)	(a)	0.021
3/11/2021 9:45	(a)	(a)	0.021
3/11/2021 9:46	0	0	0.021
3/11/2021 9:47	0	0	0.022
3/11/2021 9:48	0	0	0.022
3/11/2021 9:49	0	0	0.022
3/11/2021 9:50	0	0	0.022
3/11/2021 9:51	0	0	0.022
3/11/2021 9:52	0	0	0.022
3/11/2021 9:53	0	0	0.023
3/11/2021 9:54	0	0	0.022
3/11/2021 9:55	0	0	0.022
3/11/2021 9:56	0	0	0.022
3/11/2021 9:57	0	0	0.023
3/11/2021 9:58	0	0	0.022
3/11/2021 9:59	0	0	0.022
3/11/2021 10:00	0	0	0.022
3/11/2021 10:01	0	0	0.022
3/11/2021 10:02	0	0	0.023
3/11/2021 10:03	0	0	0.023

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 10:04	0	0	0.023
3/11/2021 10:05	0	0	0.023
3/11/2021 10:06	0	0	0.023
3/11/2021 10:07	0	0	0.023
3/11/2021 10:08	0	0	0.023
3/11/2021 10:09	0	0	0.023
3/11/2021 10:10	0	0	0.023
3/11/2021 10:11	0	0	0.023
3/11/2021 10:12	0	0	0.023
3/11/2021 10:13	0	0	0.024
3/11/2021 10:14	0	0	0.024
3/11/2021 10:15	0	0	0.024
3/11/2021 10:16	0	0	0.024
3/11/2021 10:17	0	0	0.023
3/11/2021 10:18	0	0	0.024
3/11/2021 10:19	0	0	0.024
3/11/2021 10:20	0	0	0.024
3/11/2021 10:21	0	0	0.024
3/11/2021 10:22	0	0	0.024
3/11/2021 10:23	0	0	0.024
3/11/2021 10:24	0	0	0.024
3/11/2021 10:25	0	0	0.024
3/11/2021 10:26	0	0	0.024
3/11/2021 10:27	0	0	0.024
3/11/2021 10:28	0	0	0.024
3/11/2021 10:29	0	0	0.025
3/11/2021 10:30	0	0	0.025
3/11/2021 10:31	0	0	0.025
3/11/2021 10:32	0	0	0.025
3/11/2021 10:33	0	0	0.025
3/11/2021 10:34	0	0	0.025
3/11/2021 10:35	0	0	0.025
3/11/2021 10:36	0	0	0.025
3/11/2021 10:37	0	0	0.025
3/11/2021 10:38	0	0	0.025
3/11/2021 10:39	0	0	0.025
3/11/2021 10:40	0	0	0.025
3/11/2021 10:41	0	0	0.025

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 10:42	0	0	0.025
3/11/2021 10:43	0	0	0.025
3/11/2021 10:44	0	0	0.025
3/11/2021 10:45	0	0	0.025
3/11/2021 10:46	0	0	0.026
3/11/2021 10:47	0	0	0.025
3/11/2021 10:48	0	0	0.026
3/11/2021 10:49	0	0	0.025
3/11/2021 10:50	0	0	0.026
3/11/2021 10:51	0	0	0.026
3/11/2021 10:52	0	0	0.026
3/11/2021 10:53	0	0	0.026
3/11/2021 10:54	0	0	0.025
3/11/2021 10:55	0	0	0.025
3/11/2021 10:56	0	0	0.025
3/11/2021 10:57	0	0	0.025
3/11/2021 10:58	0	0	0.025
3/11/2021 10:59	0	0	0.025
3/11/2021 11:00	0	0	0.025
3/11/2021 11:01	0	0	0.025
3/11/2021 11:02	0	0	0.025
3/11/2021 11:03	0	0	0.025
3/11/2021 11:04	0	0	0.025
3/11/2021 11:05	0	0	0.025
3/11/2021 11:06	0	0	0.025
3/11/2021 11:07	0	0	0.025
3/11/2021 11:08	0	0	0.025
3/11/2021 11:09	0	0	0.024
3/11/2021 11:10	0	0	0.025
3/11/2021 11:11	0	0	0.025
3/11/2021 11:12	0	0	0.024
3/11/2021 11:13	0	0	0.025
3/11/2021 11:14	0	0	0.024
3/11/2021 11:15	0	0	0.024
3/11/2021 11:16	0	0	0.025
3/11/2021 11:17	0	0	0.025
3/11/2021 11:18	0	0	0.024
3/11/2021 11:19	0	0	(a)

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 11:20	0	0	(a)
3/11/2021 11:21	0	0	(a)
3/11/2021 11:22	0	0	(a)
3/11/2021 11:23	0	0	(a)
3/11/2021 11:24	0	0	(a)
3/11/2021 11:25	0	0	(a)
3/11/2021 11:26	0	0	(a)
3/11/2021 11:27	0	0	(a)
3/11/2021 11:28	0	0	(a)
3/11/2021 11:29	0	0	(a)
3/11/2021 11:30	0	0	(a)
3/11/2021 11:31	0	0	(a)
3/11/2021 11:32	0	0	(a)
3/11/2021 11:33	0	0	(a)
3/11/2021 11:34	0	0	(a)
3/11/2021 11:35	0	0	(a)
3/11/2021 11:36	0	0	(a)
3/11/2021 11:37	0	0	(a)
3/11/2021 11:38	0	0	(a)
3/11/2021 11:39	0	0	(a)
3/11/2021 11:40	0	0	(a)
3/11/2021 11:41	0	0	(a)
3/11/2021 11:42	0	0	(a)
3/11/2021 11:43	0	0	(a)
3/11/2021 11:44	0	0	(a)
3/11/2021 11:45	0	0	(a)
3/11/2021 11:46	0	0	(a)
3/11/2021 11:47	0	0	(a)
3/11/2021 11:48	0	0	(a)
3/11/2021 11:49	0	0	(a)
3/11/2021 11:50	0	0	(a)
3/11/2021 11:51	0	0	(a)
3/11/2021 11:52	0	0	(a)
3/11/2021 11:53	0	0	(a)
3/11/2021 11:54	0	0	(a)
3/11/2021 11:55	0	0	(a)
3/11/2021 11:56	0	0	(a)
3/11/2021 11:57	0	0	(a)

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 11:58	0	0	(a)
3/11/2021 11:59	0	0	(a)
3/11/2021 12:00	0	0	(a)
3/11/2021 12:01	0	0	(a)
3/11/2021 12:02	0	0	(a)
3/11/2021 12:03	0	0	(a)
3/11/2021 12:04	0	0	(a)
3/11/2021 12:05	0	0	(a)
3/11/2021 12:06	0	0	(a)
3/11/2021 12:07	0	0	(a)
3/11/2021 12:08	0	0	(a)
3/11/2021 12:09	0	0	(a)
3/11/2021 12:10	0	0	(a)
3/11/2021 12:11	0	0	(a)
3/11/2021 12:12	0	0	(a)
3/11/2021 12:13	0	0	(a)
3/11/2021 12:14	0	0	(a)
3/11/2021 12:15	0	0	(a)
3/11/2021 12:16	0	0	(a)
3/11/2021 12:17	0	0	(a)
3/11/2021 12:18	0	0	(a)
3/11/2021 12:19	0	0	(a)
3/11/2021 12:20	0	0	(a)
3/11/2021 12:21	0	0	(a)
3/11/2021 12:22	0	0	(a)
3/11/2021 12:23	0	0	(a)
3/11/2021 12:24	0	0	(a)
3/11/2021 12:25	0	0	(a)
3/11/2021 12:26	0	0	(a)
3/11/2021 12:27	0	0	(a)
3/11/2021 12:28	0	0	(a)
3/11/2021 12:29	0	0	(a)
3/11/2021 12:30	0	0	(a)
3/11/2021 12:31	0	0	(a)
3/11/2021 12:32	0	0	(a)
3/11/2021 12:33	0	0	(a)
3/11/2021 12:34	0	0	(a)
3/11/2021 12:35	0	0	(a)

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 12:36	0	0	(a)
3/11/2021 12:37	0	0	(a)
3/11/2021 12:38	0	0	(a)
3/11/2021 12:39	0	0	(a)
3/11/2021 12:40	0	0	(a)
3/11/2021 12:41	0	0	(a)
3/11/2021 12:42	0	0	(a)
3/11/2021 12:43	0	0	(a)
3/11/2021 12:44	0	0	(a)
3/11/2021 12:45	0	0	(a)
3/11/2021 12:46	0	0	(a)
3/11/2021 12:47	0	0	(a)
3/11/2021 12:48	0	0	(a)
3/11/2021 12:49	0	0	(a)
3/11/2021 12:50	0	0	(a)
3/11/2021 12:51	0	0	(a)
3/11/2021 12:52	0	0	(a)
3/11/2021 12:53	0	0	(a)
3/11/2021 12:54	0	0	(a)
3/11/2021 12:55	(a)	(a)	(a)
3/11/2021 12:56	(a)	(a)	(a)
3/11/2021 12:57	(a)	(a)	(a)
3/11/2021 12:58	(a)	(a)	(a)
3/11/2021 12:59	(a)	(a)	(a)
3/11/2021 13:00	(a)	(a)	(a)
3/11/2021 13:01	(a)	(a)	(a)
3/11/2021 13:02	(a)	(a)	(a)
3/11/2021 13:03	(a)	(a)	(a)
3/11/2021 13:04	(a)	(a)	(a)
3/11/2021 13:05	(a)	(a)	(a)
3/11/2021 13:06	(a)	(a)	(a)
3/11/2021 13:07	(a)	(a)	(a)
3/11/2021 13:08	(a)	(a)	(a)
3/11/2021 13:09	(a)	(a)	(a)
3/11/2021 13:10	(a)	(a)	(a)
3/11/2021 13:11	(a)	(a)	(a)
3/11/2021 13:12	(a)	(a)	(a)
3/11/2021 13:13	(a)	(a)	(a)

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 13:14	(a)	(a)	(a)
3/11/2021 13:15	(a)	(a)	(a)
3/11/2021 13:16	(a)	(a)	(a)
3/11/2021 13:17	(a)	(a)	(a)
3/11/2021 13:18	(a)	(a)	(a)
3/11/2021 13:19	(a)	(a)	(a)
3/11/2021 13:20	(a)	(a)	(a)
3/11/2021 13:21	(a)	(a)	(a)
3/11/2021 13:22	(a)	(a)	(a)
3/11/2021 13:23	(a)	(a)	(a)
3/11/2021 13:24	(a)	(a)	(a)
3/11/2021 13:25	(a)	(a)	(a)
3/11/2021 13:26	(a)	(a)	(a)
3/11/2021 13:27	(a)	(a)	(a)
3/11/2021 13:28	(a)	(a)	(a)
3/11/2021 13:29	(a)	(a)	(a)
3/11/2021 13:30	(a)	(a)	(a)
3/11/2021 13:31	(a)	(a)	(a)
3/11/2021 13:32	(a)	(a)	(a)
3/11/2021 13:33	(a)	(a)	(a)
3/11/2021 13:34	(a)	(a)	(a)
3/11/2021 13:35	(a)	(a)	(a)
3/11/2021 13:36	(a)	(a)	(a)
3/11/2021 13:37	(a)	(a)	(a)
3/11/2021 13:38	(a)	(a)	(a)
3/11/2021 13:39	(a)	(a)	(a)
3/11/2021 13:40	(a)	(a)	(a)
3/11/2021 13:41	(a)	(a)	(a)
3/11/2021 13:42	(a)	(a)	(a)
3/11/2021 13:43	(a)	(a)	(a)
3/11/2021 13:44	(a)	(a)	(a)
3/11/2021 13:45	(a)	(a)	(a)
3/11/2021 13:46	(a)	(a)	(a)
3/11/2021 13:47	(a)	(a)	(a)
3/11/2021 13:48	(a)	(a)	(a)
3/11/2021 13:49	(a)	(a)	(a)
3/11/2021 13:50	(a)	(a)	(a)
3/11/2021 13:51	(a)	(a)	(a)

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 13:52	(a)	(a)	(a)
3/11/2021 13:53	(a)	(a)	(a)
3/11/2021 13:54	(a)	(a)	(a)
3/11/2021 13:55	(a)	(a)	(a)
3/11/2021 13:56	(a)	(a)	(a)
3/11/2021 13:57	(a)	(a)	(a)
3/11/2021 13:58	(a)	(a)	(a)
3/11/2021 13:59	(a)	(a)	(a)
3/11/2021 14:00	(a)	(a)	(a)
3/11/2021 14:01	(a)	(a)	(a)
3/11/2021 14:02	(a)	(a)	(a)
3/11/2021 14:03	(a)	(a)	(a)
3/11/2021 14:04	(a)	(a)	(a)
3/11/2021 14:05	(a)	(a)	(a)
3/11/2021 14:06	(a)	(a)	(a)
3/11/2021 14:07	(a)	(a)	(a)
3/11/2021 14:08	(a)	(a)	(a)
3/11/2021 14:09	(a)	(a)	(a)
3/11/2021 14:10	(a)	(a)	(a)
3/11/2021 14:11	(a)	(a)	(a)
3/11/2021 14:12	(a)	(a)	(a)
3/11/2021 14:13	(a)	(a)	(a)
3/11/2021 14:14	(a)	(a)	(a)
3/11/2021 14:15	(a)	(a)	(a)
3/11/2021 14:16	(a)	(a)	(a)
3/11/2021 14:17	(a)	(a)	(a)
3/11/2021 14:18	(a)	(a)	(a)
3/11/2021 14:19	(a)	(a)	(a)
3/11/2021 14:20	(a)	(a)	(a)
3/11/2021 14:21	(a)	(a)	(a)
3/11/2021 14:22	(a)	(a)	(a)
3/11/2021 14:23	(a)	(a)	(a)
3/11/2021 14:24	(a)	(a)	(a)
3/11/2021 14:25	(a)	(a)	(a)
3/11/2021 14:26	(a)	(a)	(a)
3/11/2021 14:27	(a)	(a)	(a)
3/11/2021 14:28	(a)	(a)	(a)
3/11/2021 14:29	(a)	(a)	(a)

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 14:30	(a)	(a)	(a)
3/11/2021 14:31	(a)	(a)	(a)
3/11/2021 14:32	(a)	(a)	(a)
3/11/2021 14:33	(a)	(a)	(a)
3/11/2021 14:34	(a)	(a)	(a)
3/11/2021 14:35	(a)	(a)	(a)
3/11/2021 14:36	(a)	(a)	(a)
3/11/2021 14:37	(a)	(a)	(a)
3/11/2021 14:38	(a)	(a)	(a)
3/11/2021 14:39	(a)	(a)	(a)
3/11/2021 14:40	(a)	(a)	(a)
3/11/2021 14:41	(a)	(a)	(a)
3/11/2021 14:42	(a)	(a)	(a)
3/11/2021 14:43	(a)	(a)	(a)
3/11/2021 14:44	(a)	(a)	(a)
3/11/2021 14:45	(a)	(a)	(a)
3/11/2021 14:46	(a)	(a)	(a)
3/11/2021 14:47	(a)	(a)	(a)
3/11/2021 14:48	(a)	(a)	(a)
3/11/2021 14:49	(a)	(a)	(a)
3/11/2021 14:50	(a)	(a)	(a)
3/11/2021 14:51	(a)	(a)	(a)
3/11/2021 14:52	(a)	(a)	(a)
3/11/2021 14:53	(a)	(a)	(a)
3/11/2021 14:54	(a)	(a)	(a)
3/11/2021 14:55	(a)	(a)	(a)
3/11/2021 14:56	(a)	(a)	(a)
3/11/2021 14:57	(a)	(a)	(a)
3/11/2021 14:58	(a)	(a)	(a)
3/11/2021 14:59	(a)	(a)	(a)
3/11/2021 15:00	(a)	(a)	(a)
3/11/2021 15:01	(a)	(a)	(a)
3/11/2021 15:02	(a)	(a)	(a)
3/11/2021 15:03	(a)	(a)	(a)
3/11/2021 15:04	(a)	(a)	(a)
3/11/2021 15:05	(a)	(a)	(a)
3/11/2021 15:06	(a)	(a)	(a)
3/11/2021 15:07	(a)	(a)	(a)

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 15:08	(a)	(a)	(a)
3/11/2021 15:09	(a)	(a)	(a)
3/11/2021 15:10	(a)	(a)	(a)
3/11/2021 15:11	(a)	(a)	(a)
3/11/2021 15:12	(a)	(a)	(a)
3/11/2021 15:13	(a)	(a)	(a)
3/11/2021 15:14	(a)	(a)	(a)
3/11/2021 15:15	(a)	(a)	(a)
3/11/2021 15:16	(a)	(a)	(a)
3/11/2021 15:17	(a)	(a)	(a)
3/11/2021 15:18	(a)	(a)	(a)
3/11/2021 15:19	(a)	(a)	(a)
3/11/2021 15:20	(a)	(a)	(a)
3/11/2021 15:21	(a)	(a)	(a)
3/11/2021 15:22	(a)	(a)	(a)
3/11/2021 15:23	(a)	(a)	(a)
3/11/2021 15:24	(a)	(a)	(a)
3/11/2021 15:25	(a)	(a)	(a)
3/11/2021 15:26	(a)	(a)	(a)
3/11/2021 15:27	(a)	(a)	(a)
3/11/2021 15:28	(a)	(a)	(a)
3/11/2021 15:29	(a)	(a)	(a)
3/11/2021 15:30	(a)	(a)	(a)
3/11/2021 15:31	(a)	(a)	(a)
3/11/2021 15:32	(a)	(a)	(a)
3/11/2021 15:33	(a)	(a)	(a)
3/11/2021 15:34	(a)	(a)	(a)
3/11/2021 15:35	(a)	(a)	(a)
3/11/2021 15:36	(a)	(a)	(a)
3/11/2021 15:37	(a)	(a)	(a)
3/11/2021 15:38	(a)	(a)	(a)
3/11/2021 15:39	(a)	(a)	(a)
3/11/2021 15:40	(a)	(a)	(a)
3/11/2021 15:41	(a)	(a)	(a)
3/11/2021 15:42	(a)	(a)	(a)
3/11/2021 15:43	(a)	(a)	(a)
3/11/2021 15:44	(a)	(a)	(a)
3/11/2021 15:45	(a)	(a)	(a)

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 15:46	(a)	(a)	(a)
3/11/2021 15:47	(a)	(a)	(a)
3/11/2021 15:48	(a)	(a)	(a)
3/11/2021 15:49	(a)	(a)	(a)
3/11/2021 15:50	(a)	(a)	(a)
3/11/2021 15:51	(a)	(a)	(a)
3/11/2021 15:52	(a)	(a)	(a)
3/11/2021 15:53	(a)	(a)	(a)
3/11/2021 15:54	(a)	(a)	(a)
3/11/2021 15:55	(a)	(a)	(a)
3/11/2021 15:56	(a)	(a)	(a)
3/11/2021 15:57	(a)	(a)	(a)
3/11/2021 15:58	(a)	(a)	(a)
3/11/2021 15:59	(a)	(a)	(a)
3/11/2021 16:00	(a)	(a)	(a)
3/11/2021 16:01	(a)	(a)	(a)
3/11/2021 16:02	(a)	(a)	(a)
3/11/2021 16:03	(a)	(a)	(a)
3/11/2021 16:04	(a)	(a)	(a)
3/11/2021 16:05	(a)	(a)	(a)
3/11/2021 16:06	(a)	(a)	(a)
3/11/2021 16:07	(a)	(a)	(a)
3/11/2021 16:08	(a)	(a)	(a)
3/11/2021 16:09	(a)	(a)	(a)
3/11/2021 16:10	(a)	(a)	(a)
3/11/2021 16:11	(a)	(a)	(a)
3/11/2021 16:12	(a)	(a)	(a)
3/11/2021 16:13	(a)	(a)	(a)
3/11/2021 16:14	(a)	(a)	(a)
3/11/2021 16:15	(a)	(a)	(a)
3/11/2021 16:16	(a)	(a)	(a)
3/11/2021 16:17	(a)	(a)	(a)
3/11/2021 16:18	(a)	(a)	(a)
3/11/2021 16:19	(a)	(a)	(a)
3/11/2021 16:20	(a)	(a)	(a)
3/11/2021 16:21	(a)	(a)	(a)
3/11/2021 16:22	(a)	(a)	(a)
3/11/2021 16:23	(a)	(a)	(a)

Record of Community Air Monitoring (Upwind Data) - 03/09/21
Long Island MacArthur Airport,
Town of Islip,
Ronkonkoma, New York

Timestamp (America/New_York)	VOC (ppm)	VOC AVG 15m (ppm)	Mass Conc. Total (mg/m³)
3/11/2021 16:24	(a)	(a)	(a)
3/11/2021 16:25	(a)	(a)	(a)
3/11/2021 16:26	(a)	(a)	(a)
3/11/2021 16:27	(a)	(a)	(a)
3/11/2021 16:28	(a)	(a)	(a)
3/11/2021 16:29	(a)	(a)	(a)
3/11/2021 16:30	(a)	(a)	(a)
3/11/2021 16:31	(a)	(a)	(a)
3/11/2021 16:32	(a)	(a)	(a)
3/11/2021 16:33	(a)	(a)	(a)
3/11/2021 16:34	(a)	(a)	(a)
3/11/2021 16:35	(a)	(a)	(a)
3/11/2021 16:36	(a)	(a)	(a)
3/11/2021 16:37	(a)	(a)	(a)
3/11/2021 16:38	(a)	(a)	(a)
3/11/2021 16:39	(a)	(a)	(a)
3/11/2021 16:40	(a)	(a)	(a)
3/11/2021 16:41	(a)	(a)	(a)
3/11/2021 16:42	(a)	(a)	(a)
3/11/2021 16:43	(a)	(a)	(a)
3/11/2021 16:44	(a)	(a)	(a)
3/11/2021 16:45	(a)	(a)	(a)
3/11/2021 16:46	(a)	(a)	(a)
3/11/2021 16:47	(a)	(a)	(a)
3/11/2021 16:48	(a)	(a)	(a)
3/11/2021 16:49	(a)	(a)	(a)

Notes and Abbreviations:

1. Calibration of the VOC (PID) and PM-10 (particulate monitor) monitoring instrumentation was performed at the beginning of the day.
2. Dust action level is 100 ug/m3 (0.100 mg/m3) greater than background (upwind perimeter).
3. VOC action level is 5 ppm greater than background (upwind perimeter).

(a) Equipment malfunction.

Appendix H

Data Validation Reports

Town of Islip-Long Island MacArthur Airport

Data Usability Summary Report

Ronkonkoma, New York

Volatile Organic Compound, Semi-Volatile Organic Compounds, Pesticides, Herbicides, Polychlorinated Biphenyls (PCBs), Perfluoroalkyl Substances (PFAS) and, Metals Analyses

SDGs # 460-237415-1 and 460-237416-1

Analyses Performed By:
Eurofins TestAmerica
Edison, New Jersey

Report #42532R
Review Level: Tier III
Project: 30017855.00005

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDGs) #460-237415-1 and 460-237416-1 for samples collected in association with the Town of Islip-Long Island MacArthur Airport Site in Ronkonkoma, NY. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
						VOC	SVOC	Herb Pest PCB	PFAs	Metals
460-237415-1	ISP SO 7-1 (0-2)	460-237416-1	Solid	6/23/2021		X	X	X	X	X
	ISP SED 7-1 (0-2)	460-237416-2	Solid	6/23/2021		X	X	X	X	X
	TB062321	460-237416-3	Water	6/23/2021		X				
	FB062321SV	460-237416-4	Water	6/23/2021		X	X		--	X
460-237416-1	ISP SO 6-1 (0-2)	460-237416-1	Solid	6/23/2021				X	X	
	ISP SED 6-1 (0-2)	460-237416-2	Solid	6/23/2021				X	X	
	FB062321	460-237416-3	Water	6/23/2021				X	X	
	ISP GWG 6-1	460-237416-4	Water	6/23/2021				X	X	
	FRB062321	460-237416-5	Water	6/23/2021					X	
	REP062321	460-237416-6	Solid	6/23/2021	ISP SO 6-1 (0-2)			X	X	

Notes:

1. PFAs analysis was performed at Eurofins TestAmerica-Sacramento, located in West Sacramento, California.

2. Insufficient sample volume (no unpreserved volume) was received for the PFAS analysis on sample FB022321SV. An Arcadis project team member informed the laboratory the analysis was not needed.

3. In SDG 460-237415-1, matrix spike and/or matrix spike duplicate (MS/MSD) analysis was performed on sample location ISP SED 7-1 (0-2) for SVOC and Metals; and on sample location ISP SO 7-1 (0-2) for Pesticide and PCBs analyses.

4. In SDG 460-237416-1, matrix spike/matrix spike duplicate (MS/MSD) analysis was performed on sample location ISP SED 6-1 (0-2) for PFAS analysis.

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:

QA Quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260D, 8270E, 8270E by Selected Ion Monitoring (SIM), 8081B (Pesticides), 8151A (Herbicides), 8082A (PCBs), and USEPA method 537 Modified (PFAs). Data were reviewed in accordance with criteria set forth in the NYSDEC DER-10 (NYSDEC 2010), and applicable USEPA CLP National Functional Guidelines for Organic Data Review (USEPA January 2017 and October 1999). Specifically, for PFAS data validation the review will include combination the laboratory SOP, Department of Defense (DoD) Quality Systems Manual (QSM), and EPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFASs) Analyzed Using EPA Method 537, November 2018.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound is considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260D	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.
	Solid	48 hours from collection to extraction and 14 days from extraction to analysis	Cool to <6 °C.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
ISP SO 7-1 (0-2) ISP SED 7-1 (0-2)	CCV %D	2-Butanone	-21.6%
TB062321 FB062321SV		Chloromethane	-21.0%
		n-Butylbenzene	+25.2%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R

Initial/Continuing	Criteria	Sample Result	Qualification
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with SDG 460-237415-1.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for solid matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil.

A field duplicate was not collected with a sample location associated with SDG 460-237415-1.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate (LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)					X
Matrix Spike Duplicate (MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		

VOCs: SW-846 8260D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270E and 8270E-SIM	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C
	Solid	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criterion.

Note: Field blank sample FB062321SV was analyzed by both 8270E and 8270E-SIM (for 1,4-Dioane only).

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
ISP SO 7-1 (0-2) ISP SED 7-1 (0-2)	CCV %D	Benzo(a)pyrene	+23.1%
FB062321SV		Pentachlorophenol	+27.9%
		Benzo(g,h,i)perylene	+20.9%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J

Initial/Continuing	Criteria	Sample Result	Qualification
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

The SVOC and 1,4-Dioxane-d8 recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
ISP SED 7-1 (0-2)	Chrysene	<LL but >10%	AC

Note:
AC Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Sample locations associated with LCS/LCSD analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compound	LCS Recovery	LCSD Recovery
8270E analysis:	Hexachlorobenzene	>UL	AC
FB062321SV	Pentachlorophenol	>UL	AC

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
8270E-SIM analysis: FB062321SV	1,4-Dioxane

The criteria used to evaluate the RPD between the LCS/LCSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for solid matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil.

A field duplicate was not collected with a sample location associated with SDG 460-237415-1.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270E and 8270E-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate (LCSD)		X		X	
LCS/LCSD Precision (RPD)		X	X		
Matrix Spike (MS)		X	X		
Matrix Spike Duplicate (MSD)		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)					X
Surrogate Spike %R		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	

SVOCs: SW-846 8270E and 8270E-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Pesticides and Herbicides Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8081B/8151A	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C
	Solid	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99 is allowed.

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All initial and continuing calibration criteria were within the control limits.

4. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. pesticide-herbicide analysis requires that one of the two pesticide-herbicide surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries reported from the primary column were within control limits.

5. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits (in Pesticide Method 8081B).

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

In SDG 460-237415-1, the MS/MSD performed on sample ISP SO 7-1 (0-2) (for Pesticide analysis) exhibited acceptable recoveries and RPDs.

A MS/MSD was not performed on a sample location associated with SDG 460-237416-1.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for solid matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil matrices.

A field duplicate was not collected with a sample location associated with SDG 460-237415-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SDG 460-237416-1: ISP SO 6-1 (0-2/ REP062321	Pesticides:			
	4-4'-DDD	0.011	0.0003	AC
	4,4'-DDE	0.19	0.13	37.5%
	4,4'-DDT	0.49	0.40	20.2%
	Herbicides: All compounds	ND	ND	AC

Note:
ND Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

9. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the percent difference (%D) of detected sample results must be less than 25%.

In SDG 460-237415-1, all sample locations exhibited %Ds recoveries within the control limit; all results (pesticides and herbicides) were non-detect.

Sample locations associated with %D analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compound	%D
SDG 460-237416-1:		
ISP SO 6-1 (0-2)	4,4'-DDD (pesticide)	98.6%
ISP SED 6-1 (0-2)		39.8%
REP062321		91.4%

The criteria used to evaluate the %D are presented in the following table. In the case of a %D deviation, the sample results are qualified as documented in the table below.

Control Limit (%D)	Qualification
>40% to 70%	J
>70% to 100%	JN
>100% [1]	R
>100% to 200% (Interference detected)[2]	J or JN
>50% (pesticide – herbicide) sample results less than the RL)	U

Notes:

1. When the pesticide - herbicide sample results are less than the RL and the %D greater than 50% the sample result are raised to the RL and reported as non-detect.
2. If the pattern is confirmed sample results will be qualified as estimated (J). If pattern exhibits interference or if the pesticide - herbicide cannot be positively determined due to weathering the sample results will be qualified as tentative identification estimate (JN).
3. If interference is detected in either column the sample results will be qualified as tentative identification estimate (JN).

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Pesticides and Herbicides

PESTICIDES/HERBICIDES: SW-846 8081B/8051A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Internal Standard		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike %R		X		X	
Column %D $\leq$ 25%		X	X		
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
System performance and column resolution		X		X	
Compound identification and quantitation					
A. Quantitation Reports		X		X	
B. RT of sample compounds within the established RT windows		X		X	
C. Identification/confirmation		X		X	

PESTICIDES/HERBICIDES: SW-846 8081B/8051A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Polychlorinated biphenyl (PCB) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8082A	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for Aroclor 1016 and 1260 only. Single-point calibrations were performed for the remaining Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All initial and continuing calibration criteria were within the control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that one of the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries reported from the primary column were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

In SDG 460-237415-1, the MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

In SDG 460-237416-1, a MS/MSD was not performed on a sample location associated with this SDG.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for solid matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil matrices.

A field duplicate was not collected with a sample location associated with SDG 460-237415-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SDG 460-237416-1: ISP SO 6-1 (0-2)/ REP062321	All Aroclors	U	U	AC

Notes:
ND Not detected
AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the relative percent difference (%RPD) of detected sample results must be less than 25%.

The dual column analysis exhibited an acceptable %RPD between columns; all results were non-detect.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for PCBs

PCBs: SW-846 8082A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Internal Standard		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike %R		X		X	
Column (RPD) $\leq$ 25%		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
System performance and column resolution		X		X	
Compound identification and quantitation					
A. Quantitation Reports		X		X	
B. RT of sample compounds within the established RT windows		X		X	
C. Pattern identification		X		X	

PCBs: SW-846 8082A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Perfluoroalkyl Substances (PFAS) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
USEPA Method 537 (Modified)	Water	14 days from collection to extraction and 28 days from extraction to analysis	Cool to <6 °C
	Solid	14 days from collection to extraction and 28 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of ten times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

In SDG 460-237415-1: Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

In SDG 460-237416-1: Compounds were detected in the associated QA blanks; however, the associated sample results were greater than the BAL and/or were non-detect. No qualification of the sample results was required.

3. Mass Calibration

Mass calibration and system performance were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The percent relative standard deviation (%RSD) of the response factors (RF) must be less than 35%, or for linear calibration, $R^2 \geq 0.99$.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (30%) and RRF value greater than control limit (0.05).

All compounds associated with the initial and continuing calibrations were within the specified control limits in both SDGs.

5. Isotopically Labelled Standards

5.1 Extracted Internal Standard (EIS)

Labeled standards must be added to all field samples and QC samples prior to extraction. EIS recoveries must be within the limits of 25% to 150%.

Sample locations associated with EIS exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	EIS	Associated Compound	%R
SDG 460-23715-1:			
ISP SO 7-1 (0-2)	M2-6:2 FTS	6:2 Fluorotelomer sulfonate	>150%
	M2-8:2 FTS	8:2 Fluorotelomer sulfonate	
SDG 460-23716-1:			
ISP SO 6-1 (0-2)	M2-6:2 FTS	6:2 Fluorotelomer sulfonate	>150%
	M2-8:2 FTS	8:2 Fluorotelomer sulfonate	>150%
ISP SED 6-1 (0-2)	M2-8:2 FTS	8:2 Fluorotelomer sulfonate	>150%
REP062321	M2-6:2 FTS	6:2 Fluorotelomer sulfonate	>150%
	M2-8:2 FTS	8:2 Fluorotelomer sulfonate	>150%

The criteria used to evaluate the EIS recoveries are presented in the following table. In the case of an EIS deviation, the sample results associated with the EIS are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> 150%	Non-detect	UJ
	Detect	J
< 50% (<25% for poor responding analytes)	Non-detect	UJ
	Detect	J

Control Limit	Sample Result	Qualification
< 10%	Non-detect	R
	Detect	R

5.2 Injection Internal Standards

Injection internal standards are added to the aliquot of sample dilutions, QC samples, and standards just prior to analysis. Peak areas must be within 50-150% of the area measured in the ICAL midpoint standard. On days when ICAL is not performed, the peak areas must be within 50-150% of the peak area measured in daily initial CCV.

SDG 460237415-1: All injected internal standard recoveries were within the specified control limits.

SDG 460-237416-1: Sample locations ISP SED 6-1 (0-2) (DL) and ISP GWG 6-1 exhibited internal standard aera exceedances. The results are not quantitated from the injected internal standard; therefore, qualification of the data was not necessary.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD less than 30%. The MS/MSD recovery control limits do not apply when the concentration detected in the parent sample exceeds the MS/MSD spike level by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with SDG 460-237415-1.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
SDG 460-237416-1: ISP SED 6-1 (0-2)	Perfluoropentanoic acid (PFPeA)	>UL	>UL
	Perfluorodecanoic acid (PFDA)	AC	>UL
	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	>UL	>UL

Notes:
AC Acceptable
UL Upper control limit

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL) of 130% (150%)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) of 70% (50%) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
SR>4X: Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Sample locations associated with LCS/LCSD analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compound	LCS Recovery
SDG 460-237415-1: ISP SO 7-1 (0-2) ISP SED 7-1 (0-2)	Perfluoropentanoic acid (PFPeA)	>UL
SDG 460-237416-1:		
ISP SO 6-1 (0-2) ISP SED 6-1 (0-2) REP062321	Perfluoropentanoic acid (PFPeA)	>UL
FB062321 ISP GWG 6-1 FRB062321	Perfluoroundecanoic acid (PFUnA)	>UL

Notes:
AC Acceptable
UL Upper control limit

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL) of 130% (150%)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) of 70% (50%) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

Note: In SDG 460-237416-1, samples ISP SO 6-1 (0-2), ISP SED 6-1 (0-2) and REP062321 were re-extracted (out of hold time) and reanalyzed due to an exceedance in the LCS percent recoveries. The original analysis of these samples was reported.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for solid matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil matrices.

A field duplicate was not collected with a sample location associated with SDG 460-237415-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SDG 460-237416-1: ISP SO 6-1 (0-2)/ REP062321	Perfluorobutanoic acid (PFBA)	0.080 J	0.12 J	AC
	Perfluoropentanoic acid (PFPeA)	0.44	0.72	AC
	Perfluorohexanoic acid (PFHxA)	0.15 J	0.20	AC
	Perfluoroheptanoic acid (PFHpA)	0.082 J	0.085 J	AC
	Perfluorooctanoic acid (PFOA)	0.33	0.37	AC
	Perfluorononanoic acid (PFNA)	0.37	0.34	AC
	Perfluorodecanoic acid (PFDA)	0.40	0.35	AC
	Perfluoroundecanoic acid (PFUnA)	1.64	1.53	6.9%
	Perfluorododecanoic acid (PFDoA)	0.27	0.20	AC

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
	Perfluorotridecanoic acid (PFTriA)	1.06	0.79	AC
	Perfluorotetradecanoic acid (PFTeA)	0.11 J	0.084 J	AC
	Perfluorohexanesulfonic acid (PFHxS)	0.084 J	0.088 J	AC
	Perfluorooctanesulfonic acid (PFOS)	2.78	2.31	AC
	Perfluorodecanesulfonic acid (PFDS)	0.17 J	0.12 J	AC
	Perfluorooctanesulfonamide (FOSA)	0.60	0.47	AC
	6:2 FTS	3.07	4.14	AC
	8:2 FTS	0.61 J	0.61 J	AC

Note:
AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

9. Compound Identification

PFC analytes are identified by using the compound's ion abundance ratios, signal-to-noise values, and relative retention times.

All identified compounds met method criteria.

10. System Performance and Overall Assessment

In SDG 460-237416-1: As noted in the case narrative, "in sample location ISP SED 6-1 (0-2) the transition mass ratio for Perfluoroheptanesulfonic Acid (PFHpS) was outside of the established ratio limit."

In the case of an ion ratio deviation, the sample results are qualified as documented in the table below.

Control limit	Sample Result	Qualification
> +/- 50% D	Detect	J

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
SDG 460-237416-1: ISP GWG 6-1	6:2 FTS	---	44800 D	44800 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for PFAS

PFAS: USEPA 537 MODIFIED	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY (LC/MS/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Field blanks		X		X	
Laboratory Control Sample (LCS) %R		X	X		
Laboratory Control Sample Duplicate (LCSD) %R					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate (MSD) %R		X	X		
MS/MSD Precision (RPD)		X		X	
Field Duplicate (RPD)		X		X	
Extracted Internal Standards (EIS) %R		X	X		
Injection Internal Standard %R		X	X		
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
Instrument tune and performance check		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
Instrument sensitivity check		X		X	
Ion transitions used		X	X		
Compound identification and quantitation					

PFAS: USEPA 537 MODIFIED	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY (LC/MS/MS)					
Reconstructed ion chromatograms		X		X	
Quantitation Reports		X		X	
A. RT of sample compounds within the established RT windows		X		X	
B. Transcription/calculations acceptable		X		X	
C. Ion Ratio %D		X			
D. Reporting limits adjusted to reflect sample dilutions		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Inorganic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 6020B and 7471B/7470A. Data were reviewed in accordance with National Functional Guidelines (NFGs) for Inorganic Superfund Data Review, USEPA 540-R-10-011, January 2010, and as applicable with additional reference to the USEPA CLP, NFGs for inorganic Data Review, EPA 540-R-04-004, October 2004, as appropriate.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Metals Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020B	Water	180 days from collection to analysis	Preserved to a pH of less than a pH 2 s.u..
	Solid	180 days from collection to analysis	Cool to <6 °C.
SW-846 7470	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2.
SW-846 7471	Solid	28 days from collection to analysis	Cool to <6 °C.

Note:
s.u Standard units

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

The %RSD of the absolute signals for all analytes in the tuning solution must be less than 5% for each analyte and the instrument mass resolution must be within 0.1 amu over manufacturer ‘s specifications the range of 6-210 amu.

Mass spectrometer performance and system performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of

acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

4.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4.2 Lower Limit of Quantitation Check Standard

The lower limit of quantitation check (LLQC) check standard serves to verify the linearity of calibration of the analysis at the reporting limit. The LLQC recoveries must be within 70 to 130% [and 50 to 150% for cobalt (Co), manganese (Mn), and zinc (Zn)]. The LLQC standard is not required for the analysis of aluminum (Al), barium (Ba), calcium (Ca), iron (Fe), magnesium (Mg), sodium (Na), and potassium (K). The criteria used to evaluate the LLQC standard analysis are presented below in the LLQC standards evaluation table (if applicable).

All LLQC standard recoveries were within control limits.

4.3 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

All ICS exhibited recoveries within the control limits.

5. Internal Standard Performance

Internal standard performance criteria ensure that the ICP/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard analytes associated with the metals must exhibit a percent recovery within the established acceptance limits of 60% to 125%

All internal standard responses were within control limits.

6. Matrix Spike (MS)/Laboratory Duplicate Analysis

MS and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

6.1 MS Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS analysis performed on sample location ISP SED 7-1 (0-2) (metals) exhibited recoveries within the control limits.

6.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices and two times the RL for soil matrices.

The laboratory duplicate sample results exhibited RPD within the control limit.

7. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for solid matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, three times the RL is applied for soil matrices.

Field duplicate analysis was not collected on a sample location associated with SDG 460-237415-1.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

9. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The serial dilution performed on sample location ISP SED 7-1 (0-2) (metals) exhibited %D within the control limit.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Metals

METALS: SW-846 6020B and 7470A/7471B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) Atomic Absorption – Manual Cold Vapor (CV)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)		X		X	
ICP Serial Dilution %D		X		X	
Total vs. Dissolved					X
Reporting Limit Verification		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
LLQC Standard Recovery		X		X	
ICP Interference Check		X		X	
ICP-MS Internal Standards		X		X	
Transcription/calculations acceptable		X		X	

METALS: SW-846 6020B and 7470A/7471B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Raw Data		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%R Percent recovery

RPD Relative percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]						Noncompliance
					VOC	SVOC	Pest Herb PCB	Mtls	PFAS	MISC	
460-237415-1	6/23/2021	SW-486	ISP SO 7-1 (0-2)	Solid	No	No	Yes	Yes	No	--	VOC- Continuing calibration %D SVOC-Continuing calibration %D PFAS- Extracted internal Standard %R, Laboratory control sample %R
			ISP SED 7-1 (0-2)	Solid	No	No	Yes	Yes	Yes	--	VOC- Continuing calibration %D SVOC- Matrix spike %R
			TB062321	Water	No	Yes	--	--	--	--	VOC- Continuing calibration %D
			FB062321SV	Water	No	No	--	Yes	--	--	VOC- Continuing calibration %D SVOC (SIM)-Laboratory control sample/ Laboratory control sample duplicate RPD
460-237416-1	6/23/2021		ISP SO 6-1 (0-2)	Solid	--	--	No	--	No	--	Pest- Dual column %D PFAS- Extracted internal standard %R, Laboratory control sample %R
			ISP SED 6-1 (0-2)	Solid	--	--	No	--	No	--	Pest- Dual column %D PFAS- Extracted internal standard %R, Laboratory control sample %R, Matrix spike/Matrix spike duplicate %R, Transition mass ratio
			FB062321	Water	--	--	Yes	--	--	--	
			ISP GWG 6-1	Water	--	--	Yes	--	No	--	PFAS- Diluted analysis
			FRB062321	Solid	--	--	Yes	--	Yes	--	
			REP062321	Solid	--	--	No	--	No	--	Pest- Dual column %D PFAS- Extracted internal standard %R, Laboratory control sample %R

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Lisa Horton

SIGNATURE: Lisa Horton

DATE: September 5, 2021

PEER REVIEW: Dennis Capria

DATE: September 10, 2021

Chain of Custody Corrected Sample Analysis Data Sheets

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Stephen Vlavianos	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-138699-89838.1
Client Contact: Ms. Xuan Xu	Phone: 516 404 6601	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: ARCADIS U.S., Inc.	PWSID:			Job #: 237415

Address: Two Huntington Quadrangle Suite 1S10	Due Date Requested:
City: Melville	TAT Requested (days): PFAS = 10 days; Rest = 5 days
State, Zip: NY, 11747	Compliance Project: Δ Yes Δ No
Phone: 631-391-5235(Tel)	PO #: 30017855.AOC07
Email: xuan.xu@arcadis.com	WO #:
Project Name: MacArthur Airport	Project #: 46034469
Site:	SSOW#:

Analysis Requested

SHORT HOLD

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Custom TCL/NY Part 375 VOCs	8270E - TCL/NY Part 375 SVOCs (+1,4-DX)	8270E_SIM_MS_ID - 1,4-Dioxane (waters only)	8081B - Custom TCL/NY Part 375 Pesticides	8082A - PCBs(7)	8151A - TCL Herbicides	6020B/7471B (7470A for water) - Custom Metals	PFAS, Standard List (21 Analytes)	Total Number of	Special Instructions/Note:
			Preservation Code:				N/A	N	N	N	N	N	D/N	N		
ISP SO 7-1 (0-2)	6/23/21	1415	C	S	N	N	✓	✓		✓	✓	✓	✓	✓		1
ISP SED 7-1 (0-2)	6/23/21	1430	C	S	N	N	✓	✓		✓	✓	✓	✓	✓		2
TB062321	6/23/21	—	G	W	N	N	✓									3
FB062321SV	6/23/21	1530	G	W	N	N	✓	✓	✓				✓	✓		total metal only 4

NYC 222

460-237415 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B & Equis Arcadis EDD

Special Instructions/QC Requirements: AFFF-impacted? Yes or No (circle one)

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	6/24/21	Arcadis	[signature]	6/24 / 1210	[signature]
[signature]	6/24/21 / 610		[signature]	6/24/21 1600	[signature]
[signature]	6/24/21 1800	[signature]	Jeanette Arana	6/24/21 1810	[signature]

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

25 20 JRG 25 20 JRG

Ver: 01/16/2019

07/11/2021

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-62080.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-237415-1
Address: 880 Riverside Parkway,	Due Date Requested: 7/7/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Long Island MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
ISP SO 7-1 (0-2) (460-237415-1)	6/23/21	14:15 Eastern		Solid			X	1	AFFF-impacted
ISP SED 7-1 (0-2) (460-237415-2)	6/23/21	14:30 Eastern		Solid			X	1	AFFF-impacted

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	6/28/21 1900	ETAsli		6/29/21 10:10	ETASAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1473777	Cooler Temperature(s) °C and Other Remarks: 2.1c

Ver: 11/01/2020

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-237415-1

Client Sample ID: ISP SO 7-1 (0-2)

Date Collected: 06/23/21 14:15
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237415-1

Matrix: Solid
Percent Solids: 94.2

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
2-Butanone (MEK)	0.0053	U J	0.0053	0.00039	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Acetone	0.0064	U	0.0064	0.0061	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Benzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Chloromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Ethylbenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
tert-Butylbenzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Toluene	**0.0013**		0.0011	0.00025	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	06/25/21 03:17	06/28/21 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*	*06/25/21 03:17*	*06/28/21 21:46*	*1*
4-Bromofluorobenzene	*110*		*70 - 139*	*06/25/21 03:17*	*06/28/21 21:46*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*06/25/21 03:17*	*06/28/21 21:46*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*	*06/25/21 03:17*	*06/28/21 21:46*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Acenaphthylene	0.35	U	0.35	0.0035	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Benzo[a]anthracene	**0.024**	**J**	0.035	0.012	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Benzo[a]pyrene	**0.026**	**J**	0.035	0.0094	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Benzo[b]fluoranthene	**0.042**		0.035	0.0091	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1

Client Sample ID: ISP SO 7-1 (0-2) Lab Sample ID: 460-237415-1

Date Collected: 06/23/21 14:15 **Matrix: Solid**
Date Received: 06/24/21 19:10 **Percent Solids: 94.2**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**0.020**	**J**	0.35	0.010	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Benzo[k]fluoranthene	**0.015**	**J**	0.035	0.0069	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Chrysene	**0.028**	**J**	0.35	0.0059	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Dibenzofuran	0.35	U	0.35	0.0049	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Fluoranthene	**0.046**	**J**	0.35	0.012	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Fluorene	0.35	U	0.35	0.0048	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Indeno[1,2,3-cd]pyrene	**0.021**	**J**	0.035	0.014	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Phenanthrene	**0.017**	**J**	0.35	0.0062	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1
Pyrene	**0.041**	**J**	0.35	0.0087	mg/Kg	☼	06/26/21 12:58	06/26/21 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*10 - 123*	*06/26/21 12:58*	*06/26/21 21:35*	*1*
2-Fluorobiphenyl	*72*		*14 - 103*	*06/26/21 12:58*	*06/26/21 21:35*	*1*
2-Fluorophenol (Surr)	*80*		*10 - 105*	*06/26/21 12:58*	*06/26/21 21:35*	*1*
Nitrobenzene-d5 (Surr)	*80*		*11 - 104*	*06/26/21 12:58*	*06/26/21 21:35*	*1*
Phenol-d5 (Surr)	*87*		*15 - 100*	*06/26/21 12:58*	*06/26/21 21:35*	*1*
Terphenyl-d14 (Surr)	*85*		*12 - 126*	*06/26/21 12:58*	*06/26/21 21:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
cis-Chlordane	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	06/28/21 17:34	06/29/21 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*10 - 150*	*06/28/21 17:34*	*06/29/21 10:31*	*1*
DCB Decachlorobiphenyl	*97*		*10 - 150*	*06/28/21 17:34*	*06/29/21 10:31*	*1*
Tetrachloro-m-xylene	*72*		*10 - 133*	*06/28/21 17:34*	*06/29/21 10:31*	*1*

Client Sample ID: ISP SO 7-1 (0-2)

Date Collected: 06/23/21 14:15
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237415-1

Matrix: Solid
Percent Solids: 94.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		10 - 133	06/28/21 17:34	06/29/21 10:31	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	06/28/21 17:27	06/29/21 10:23	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	06/28/21 17:27	06/29/21 10:23	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	06/28/21 17:27	06/29/21 10:23	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	06/28/21 17:27	06/29/21 10:23	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	06/28/21 17:27	06/29/21 10:23	1
Aroclor 1254	0.071	U	0.071	0.0098	mg/Kg	☼	06/28/21 17:27	06/29/21 10:23	1
Aroclor 1260	0.071	U	0.071	0.0098	mg/Kg	☼	06/28/21 17:27	06/29/21 10:23	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.0098	mg/Kg	☼	06/28/21 17:27	06/29/21 10:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		37 - 150	06/28/21 17:27	06/29/21 10:23	1
DCB Decachlorobiphenyl	107		37 - 150	06/28/21 17:27	06/29/21 10:23	1
Tetrachloro-m-xylene	103		54 - 150	06/28/21 17:27	06/29/21 10:23	1
Tetrachloro-m-xylene	103		54 - 150	06/28/21 17:27	06/29/21 10:23	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	06/27/21 23:58	06/29/21 09:00	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	06/27/21 23:58	06/29/21 09:00	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	06/27/21 23:58	06/29/21 09:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	71		65 - 150	06/27/21 23:58	06/29/21 09:00	1
2,4-Dichlorophenylacetic acid	72		65 - 150	06/27/21 23:58	06/29/21 09:00	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.20	0.028	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluoropentanoic acid (PFPeA)	**0.11**	**J**	0.20	0.076	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorohexanoic acid (PFHxA)	**0.084**	**J**	0.20	0.041	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluoroheptanoic acid (PFHpA)	**0.053**	**J**	0.20	0.029	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorooctanoic acid (PFOA)	**0.090**	**J**	0.20	0.085	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorononanoic acid (PFNA)	**0.086**	**J**	0.20	0.035	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorodecanoic acid (PFDA)	**0.092**	**J**	0.20	0.022	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluoroundecanoic acid (PFUnA)	**0.091**	**J**	0.20	0.035	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.066	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorotridecanoic acid (PFTriA)	**0.051**	**J**	0.20	0.050	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.053	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.034	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorooctanesulfonic acid (PFOS)	0.49	U	0.49	0.20	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.038	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.081	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1

Client Sample ID: ISP SO 7-1 (0-2) Lab Sample ID: 460-237415-1

Date Collected: 06/23/21 14:15 **Matrix: Solid**
Date Received: 06/24/21 19:10 **Percent Solids: 94.2**

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.97	U	1.97	0.38	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.97	U	1.97	0.36	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
6:2 FTS	1.97	U J	1.97	0.15	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1
8:2 FTS	1.97	U J	1.97	0.25	ug/Kg	☼	06/30/21 11:39	07/03/21 15:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C5 PFPeA	*76*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C2 PFHxA	*93*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C4 PFHpA	*104*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C4 PFOA	*101*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C5 PFNA	*100*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C2 PFDA	*102*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C2 PFUnA	*99*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C2 PFDoA	*86*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C3 PFBS	*92*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
18O2 PFHxS	*81*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C4 PFOS	*75*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
13C8 FOSA	*92*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
M2-6:2 FTS	*226*	*	*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*
M2-8:2 FTS	*202*	*	*25 - 150*	*06/30/21 11:39*	*07/03/21 15:33*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.3**		0.98	0.098	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Barium	**6.3**		2.0	0.14	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Beryllium	**0.096**	**J**	0.39	0.056	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Cadmium	0.98	U	0.98	0.11	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Chromium	**4.2**		2.0	0.17	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Copper	**5.4**		2.0	0.22	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Lead	**5.2**		0.59	0.20	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Manganese	**35.2**		3.9	0.40	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Nickel	**2.5**		2.0	0.19	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Selenium	**0.12**	**J**	1.2	0.12	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Silver	0.98	U	0.98	0.087	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1
Zinc	**9.8**		7.9	2.3	mg/Kg	☼	06/30/21 04:05	06/30/21 11:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.017	0.0039	mg/Kg	☼	06/30/21 04:40	06/30/21 09:54	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-237415-1

Client Sample ID: ISP SED 7-1 (0-2)

Date Collected: 06/23/21 14:30
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237415-2

Matrix: Solid
Percent Solids: 97.5

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0016	U	0.0016	0.00036	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
1,1-Dichloroethane	0.0016	U	0.0016	0.00032	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
1,1-Dichloroethene	0.0016	U	0.0016	0.00035	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
1,2,4-Trichlorobenzene	0.0016	U	0.0016	0.00056	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
1,2,4-Trimethylbenzene	0.0016	U	0.0016	0.00038	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
1,2-Dichlorobenzene	0.0016	U	0.0016	0.00056	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
1,2-Dichloroethane	0.0016	U	0.0016	0.00046	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
1,3,5-Trimethylbenzene	0.0016	U	0.0016	0.00049	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
1,3-Dichlorobenzene	0.0016	U	0.0016	0.00057	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
1,4-Dichlorobenzene	0.0016	U	0.0016	0.00035	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
2-Butanone (MEK)	0.0078	U J	0.0078	0.00057	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Acetone	0.0094	U	0.0094	0.0089	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Benzene	0.0016	U	0.0016	0.00040	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Carbon tetrachloride	0.0016	U	0.0016	0.00060	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Chlorobenzene	0.0016	U	0.0016	0.00028	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Chloroform	0.0016	U	0.0016	0.0015	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Chloromethane	0.0016	U	0.0016	0.00068	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
cis-1,2-Dichloroethene	0.0016	U	0.0016	0.00056	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Ethylbenzene	0.0016	U	0.0016	0.00031	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Methyl tert-butyl ether	0.0016	U	0.0016	0.00080	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Methylene Chloride	0.0031	U	0.0031	0.0018	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
m-Xylene & p-Xylene	0.0016	U	0.0016	0.00027	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
n-Butylbenzene	0.0016	U	0.0016	0.00046	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
N-Propylbenzene	0.0016	U	0.0016	0.00027	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
o-Xylene	0.0016	U	0.0016	0.00030	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
sec-Butylbenzene	0.0016	U	0.0016	0.00045	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
tert-Butylbenzene	0.0016	U	0.0016	0.00043	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Tetrachloroethene	0.0016	U	0.0016	0.00048	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Toluene	0.0016	U	0.0016	0.00036	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
trans-1,2-Dichloroethene	0.0016	U	0.0016	0.00038	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Trichloroethene	0.0016	U	0.0016	0.00050	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1
Vinyl chloride	0.0016	U	0.0016	0.00085	mg/Kg	☼	06/25/21 03:19	06/28/21 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 145*	*06/25/21 03:19*	*06/28/21 22:09*	*1*
4-Bromofluorobenzene	*118*		*70 - 139*	*06/25/21 03:19*	*06/28/21 22:09*	*1*
Dibromofluoromethane (Surr)	*112*		*48 - 150*	*06/25/21 03:19*	*06/28/21 22:09*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*	*06/25/21 03:19*	*06/28/21 22:09*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Acenaphthene	0.34	U	0.34	0.0097	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Acenaphthylene	0.34	U	0.34	0.0034	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Anthracene	0.34	U	0.34	0.010	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Benzo[a]anthracene	0.034	U	0.034	0.012	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Benzo[a]pyrene	0.034	U	0.034	0.0090	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Benzo[b]fluoranthene	0.034	U	0.034	0.0088	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1

Client Sample ID: ISP SED 7-1 (0-2) Lab Sample ID: 460-237415-2

Date Collected: 06/23/21 14:30 **Matrix: Solid**
Date Received: 06/24/21 19:10 **Percent Solids: 97.5**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.34	U	0.34	0.010	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Benzo[k]fluoranthene	0.034	U	0.034	0.0067	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Chrysene	0.34	U J	0.34	0.0057	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Dibenz(a,h)anthracene	0.034	U	0.034	0.015	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Dibenzofuran	0.34	U	0.34	0.0048	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Fluoranthene	0.34	U	0.34	0.012	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Fluorene	0.34	U	0.34	0.0046	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Indeno[1,2,3-cd]pyrene	0.034	U	0.034	0.013	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Naphthalene	0.34	U	0.34	0.0059	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Phenanthrene	0.34	U	0.34	0.0060	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Phenol	0.34	U	0.34	0.012	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1
Pyrene	0.34	U	0.34	0.0084	mg/Kg	☼	06/26/21 12:58	06/26/21 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*10 - 123*	*06/26/21 12:58*	*06/26/21 16:11*	*1*
2-Fluorobiphenyl	*73*		*14 - 103*	*06/26/21 12:58*	*06/26/21 16:11*	*1*
2-Fluorophenol (Surr)	*78*		*10 - 105*	*06/26/21 12:58*	*06/26/21 16:11*	*1*
Nitrobenzene-d5 (Surr)	*80*		*11 - 104*	*06/26/21 12:58*	*06/26/21 16:11*	*1*
Phenol-d5 (Surr)	*83*		*15 - 100*	*06/26/21 12:58*	*06/26/21 16:11*	*1*
Terphenyl-d14 (Surr)	*84*		*12 - 126*	*06/26/21 12:58*	*06/26/21 16:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
4,4'-DDE	0.0069	U	0.0069	0.00081	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
4,4'-DDT	0.0069	U	0.0069	0.0013	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
beta-BHC	0.0021	U	0.0021	0.00077	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Dieldrin	0.0021	U	0.0021	0.00089	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Endosulfan I	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Endosulfan sulfate	0.0069	U	0.0069	0.00086	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Endrin	0.0069	U	0.0069	0.00098	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Heptachlor	0.0069	U	0.0069	0.00081	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	06/28/21 17:34	06/29/21 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*06/28/21 17:34*	*06/29/21 10:46*	*1*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*06/28/21 17:34*	*06/29/21 10:46*	*1*
Tetrachloro-m-xylene	*83*		*10 - 133*	*06/28/21 17:34*	*06/29/21 10:46*	*1*

Client Sample ID: ISP SED 7-1 (0-2)

Date Collected: 06/23/21 14:30
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237415-2

Matrix: Solid
Percent Solids: 97.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*91*		*10 - 133*	*06/28/21 17:34*	*06/29/21 10:46*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.0091	mg/Kg	☼	06/28/21 17:27	06/29/21 11:42	1
Aroclor 1221	0.069	U	0.069	0.0091	mg/Kg	☼	06/28/21 17:27	06/29/21 11:42	1
Aroclor 1232	0.069	U	0.069	0.0091	mg/Kg	☼	06/28/21 17:27	06/29/21 11:42	1
Aroclor 1242	0.069	U	0.069	0.0091	mg/Kg	☼	06/28/21 17:27	06/29/21 11:42	1
Aroclor 1248	0.069	U	0.069	0.0091	mg/Kg	☼	06/28/21 17:27	06/29/21 11:42	1
Aroclor 1254	0.069	U	0.069	0.0094	mg/Kg	☼	06/28/21 17:27	06/29/21 11:42	1
Aroclor 1260	0.069	U	0.069	0.0094	mg/Kg	☼	06/28/21 17:27	06/29/21 11:42	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.0094	mg/Kg	☼	06/28/21 17:27	06/29/21 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*113*		*37 - 150*	*06/28/21 17:27*	*06/29/21 11:42*	*1*
DCB Decachlorobiphenyl	*103*		*37 - 150*	*06/28/21 17:27*	*06/29/21 11:42*	*1*
Tetrachloro-m-xylene	*114*		*54 - 150*	*06/28/21 17:27*	*06/29/21 11:42*	*1*
Tetrachloro-m-xylene	*109*		*54 - 150*	*06/28/21 17:27*	*06/29/21 11:42*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.034	U	0.034	0.0073	mg/Kg	☼	06/27/21 23:58	06/29/21 09:15	1
2,4-D	0.034	U	0.034	0.012	mg/Kg	☼	06/27/21 23:58	06/29/21 09:15	1
Silvex (2,4,5-TP)	0.034	U	0.034	0.0036	mg/Kg	☼	06/27/21 23:58	06/29/21 09:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*78*		*65 - 150*	*06/27/21 23:58*	*06/29/21 09:15*	*1*
2,4-Dichlorophenylacetic acid	*81*		*65 - 150*	*06/27/21 23:58*	*06/29/21 09:15*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.20	U	0.20	0.028	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluoropentanoic acid (PFPeA)	0.20	U *	0.20	0.076	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.042	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.029	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.085	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.036	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.022	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.036	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.066	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.051	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.054	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorooctanesulfonic acid (PFOS)	0.50	U	0.50	0.20	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.039	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.081	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.98	U	1.98	0.39	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1

Client Sample ID: ISP SED 7-1 (0-2) — Lab Sample ID: 460-237415-2

Date Collected: 06/23/21 14:30 — **Matrix: Solid**
Date Received: 06/24/21 19:10 — **Percent Solids: 97.5**

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.98	U	1.98	0.37	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
6:2 FTS	1.98	U	1.98	0.15	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1
8:2 FTS	1.98	U	1.98	0.25	ug/Kg	☼	06/30/21 11:39	07/03/21 15:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C5 PFPeA	*69*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C2 PFHxA	*87*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C4 PFHpA	*105*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C4 PFOA	*98*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C5 PFNA	*85*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C2 PFDA	*96*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C2 PFUnA	*96*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C2 PFDoA	*84*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C3 PFBS	*97*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
18O2 PFHxS	*85*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C4 PFOS	*78*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
13C8 FOSA	*86*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
d3-NMeFOSAA	*72*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
M2-6:2 FTS	*93*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:42*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.98**	**J**	1.0	0.10	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Barium	**1.3**	**J**	2.1	0.15	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Beryllium	**0.065**	**J**	0.41	0.058	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Cadmium	1.0	U	1.0	0.12	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Chromium	**1.6**	**J**	2.1	0.18	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Copper	**2.0**	**J**	2.1	0.23	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Lead	**1.1**		0.62	0.21	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Manganese	**22.6**		4.1	0.41	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Nickel	**1.2**	**J**	2.1	0.20	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Selenium	1.3	U	1.3	0.12	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Silver	1.0	U	1.0	0.091	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1
Zinc	**2.9**	**J**	8.2	2.3	mg/Kg	☼	06/30/21 04:05	06/30/21 10:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0045**	**J**	0.016	0.0037	mg/Kg	☼	06/30/21 04:40	06/30/21 09:56	1

Client Sample ID: TB062321 — Lab Sample ID: 460-237415-3

Date Collected: 06/23/21 00:00 — **Matrix: Water**
Date Received: 06/24/21 19:10

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/29/21 13:03	1

Client Sample ID: TB062321 — Lab Sample ID: 460-237415-3

Date Collected: 06/23/21 00:00 **Matrix: Water**
Date Received: 06/24/21 19:10

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/29/21 13:03	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/29/21 13:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/29/21 13:03	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			06/29/21 13:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			06/29/21 13:03	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/29/21 13:03	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			06/29/21 13:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/29/21 13:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/29/21 13:03	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/29/21 13:03	1
Acetone	5.0	U	5.0	4.4	ug/L			06/29/21 13:03	1
Benzene	1.0	U	1.0	0.20	ug/L			06/29/21 13:03	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/29/21 13:03	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/29/21 13:03	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/29/21 13:03	1
Chloromethane	1.0	U J	1.0	0.40	ug/L			06/29/21 13:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/29/21 13:03	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/29/21 13:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			06/29/21 13:03	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/29/21 13:03	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/29/21 13:03	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			06/29/21 13:03	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			06/29/21 13:03	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/29/21 13:03	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			06/29/21 13:03	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			06/29/21 13:03	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/29/21 13:03	1
Toluene	1.0	U	1.0	0.38	ug/L			06/29/21 13:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/29/21 13:03	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/29/21 13:03	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/29/21 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*		*06/29/21 13:03*	*1*
4-Bromofluorobenzene	*88*		*76 - 120*		*06/29/21 13:03*	*1*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*06/29/21 13:03*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/29/21 13:03*	*1*

Client Sample ID: FB062321SV — Lab Sample ID: 460-237415-4

Date Collected: 06/23/21 15:30 **Matrix: Water**
Date Received: 06/24/21 19:10

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/29/21 13:25	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/29/21 13:25	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/29/21 13:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/29/21 13:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			06/29/21 13:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			06/29/21 13:25	1

Client Sample ID: FB062321SV — Lab Sample ID: 460-237415-4

Date Collected: 06/23/21 15:30 **Matrix: Water**
Date Received: 06/24/21 19:10

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/29/21 13:25	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			06/29/21 13:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/29/21 13:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/29/21 13:25	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/29/21 13:25	1
Acetone	5.0	U	5.0	4.4	ug/L			06/29/21 13:25	1
Benzene	1.0	U	1.0	0.20	ug/L			06/29/21 13:25	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/29/21 13:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/29/21 13:25	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/29/21 13:25	1
Chloromethane	1.0	U J	1.0	0.40	ug/L			06/29/21 13:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/29/21 13:25	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/29/21 13:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			06/29/21 13:25	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/29/21 13:25	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/29/21 13:25	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			06/29/21 13:25	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			06/29/21 13:25	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/29/21 13:25	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			06/29/21 13:25	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			06/29/21 13:25	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/29/21 13:25	1
Toluene	1.0	U	1.0	0.38	ug/L			06/29/21 13:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/29/21 13:25	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/29/21 13:25	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/29/21 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 123*		*06/29/21 13:25*	*1*
4-Bromofluorobenzene	*88*		*76 - 120*		*06/29/21 13:25*	*1*
Dibromofluoromethane (Surr)	*92*		*77 - 124*		*06/29/21 13:25*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/29/21 13:25*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	~~U~~ J	0.20	0.016	ug/L		06/27/21 07:10	06/27/21 17:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*52*		*10 - 150*	*06/27/21 07:10*	*06/27/21 17:35*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		06/27/21 07:01	06/27/21 18:14	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		06/27/21 07:01	06/27/21 18:14	1
Acenaphthene	10	U	10	1.1	ug/L		06/27/21 07:01	06/27/21 18:14	1
Acenaphthylene	10	U	10	0.82	ug/L		06/27/21 07:01	06/27/21 18:14	1
Anthracene	10	U	10	1.3	ug/L		06/27/21 07:01	06/27/21 18:14	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		06/27/21 07:01	06/27/21 18:14	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		06/27/21 07:01	06/27/21 18:14	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		06/27/21 07:01	06/27/21 18:14	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		06/27/21 07:01	06/27/21 18:14	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-237415-1

Client Sample ID: FB062321SV

Date Collected: 06/23/21 15:30
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237415-4

Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		06/27/21 07:01	06/27/21 18:14	1
Chrysene	2.0	U	2.0	0.91	ug/L		06/27/21 07:01	06/27/21 18:14	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		06/27/21 07:01	06/27/21 18:14	1
Dibenzofuran	10	U	10	1.1	ug/L		06/27/21 07:01	06/27/21 18:14	1
Fluoranthene	10	U	10	0.84	ug/L		06/27/21 07:01	06/27/21 18:14	1
Fluorene	10	U	10	0.91	ug/L		06/27/21 07:01	06/27/21 18:14	1
Hexachlorobenzene	1.0	U*	1.0	0.40	ug/L		06/27/21 07:01	06/27/21 18:14	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		06/27/21 07:01	06/27/21 18:14	1
Naphthalene	2.0	U	2.0	0.54	ug/L		06/27/21 07:01	06/27/21 18:14	1
Pentachlorophenol	20	U*	20	1.4	ug/L		06/27/21 07:01	06/27/21 18:14	1
Phenanthrene	10	U	10	1.3	ug/L		06/27/21 07:01	06/27/21 18:14	1
Phenol	10	U	10	0.29	ug/L		06/27/21 07:01	06/27/21 18:14	1
Pyrene	10	U	10	1.6	ug/L		06/27/21 07:01	06/27/21 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*33 - 150*	*06/27/21 07:01*	*06/27/21 18:14*	*1*
2-Fluorobiphenyl	*89*		*42 - 127*	*06/27/21 07:01*	*06/27/21 18:14*	*1*
2-Fluorophenol (Surr)	*40*		*18 - 72*	*06/27/21 07:01*	*06/27/21 18:14*	*1*
Nitrobenzene-d5 (Surr)	*85*		*46 - 137*	*06/27/21 07:01*	*06/27/21 18:14*	*1*
Phenol-d5 (Surr)	*37*		*10 - 50*	*06/27/21 07:01*	*06/27/21 18:14*	*1*
Terphenyl-d14 (Surr)	*114*		*39 - 150*	*06/27/21 07:01*	*06/27/21 18:14*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		06/30/21 06:13	07/01/21 11:44	1
Barium	4.0	U	4.0	0.91	ug/L		06/30/21 06:13	07/01/21 11:44	1
Beryllium	0.80	U	0.80	0.13	ug/L		06/30/21 06:13	07/01/21 11:44	1
Cadmium	2.0	U	2.0	0.39	ug/L		06/30/21 06:13	07/01/21 11:44	1
Chromium	4.0	U	4.0	2.5	ug/L		06/30/21 06:13	07/01/21 11:44	1
Copper	4.0	U	4.0	2.5	ug/L		06/30/21 06:13	07/01/21 11:44	1
Lead	1.2	U	1.2	0.84	ug/L		06/30/21 06:13	07/01/21 11:44	1
Manganese	8.0	U	8.0	1.5	ug/L		06/30/21 06:13	07/01/21 11:44	1
Nickel	4.0	U	4.0	0.91	ug/L		06/30/21 06:13	07/01/21 11:44	1
Selenium	2.5	U	2.5	0.59	ug/L		06/30/21 06:13	07/01/21 11:44	1
Silver	2.0	U	2.0	0.29	ug/L		06/30/21 06:13	07/01/21 11:44	1
Zinc	16.0	U	16.0	6.5	ug/L		06/30/21 06:13	07/01/21 11:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		06/29/21 14:57	06/29/21 18:10	1

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Stephen Vlavianos	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-138699-89838.1
Client Contact: Ms. Xuan Xu	Phone: 516 404 6601	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: ARCADIS U.S., Inc.	PWSID:			Job #: 237416
Address: Two Huntington Quadrangle Suite 1S10	Due Date Requested:			
City: Melville	TAT Requested (days): PFAS = 10 days; Rest = 5 days			
State, Zip: NY, 11747	Compliance Project: Δ Yes Δ No			
Phone: 631-391-5235(Tel)	PO #: 30017855.AOC06			
Email: xuan.xu@arcadis.com	WO #:			
Project Name: MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Custom TCL/NY Part 375 VOCs	8270E - TCL/NY Part 375 SVOCs (+1,4-DX)	8270E_SIM_MS_ID - 1,4-Dioxane (waters only)	8081B - Custom TCL/NY Part 375 Pesticides	8082A - PCBs(7)	8151A - TCL Herbicides	6020B/7471B (7470A for water) - Custom Metals	PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N/A	N	N	N	N	N	D/N	N		
ISP SO 6-1 (0-2)	6/23/21	0840	C	S	N	N				✓	✓	✓		✓		1
~~ISP SO 6-1 (38-40)~~	~~6/23/21~~	~~1040~~	~~C~~	~~S~~	~~N~~	~~N~~								~~✓~~		
ISP SED 6-1 (0-2)	6/23/21	1240	C	S	N	N				✓	✓	✓		✓		2
~~FB062321~~ (SV)	~~6/23/21~~	—	~~G~~	~~W~~	~~N~~	~~N~~										
FB062321	6/23/21	1015	G	W	N	N				✓	✓	✓		✓		3
ISPGW G 6-1	6/23/21	1150	G	W	N	N				✓	✓	✓		✓		4
FRB062321	6/23/21	1100	G	W	N	N								✓		5 Arcadis internal note: this field blank also goes w/ PFAS soil samples from 2007
REP062321	6/23/21	—	C	S	N	N				✓	✓	✓		✓		6

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B & Equis Arcadis EDD

Special Instructions/QC Requirements: AFFF-impacted? Yes or No (circle one)

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 6/24/21	Company: Arcadis	Received by:	Date/Time: 6/24/21 1210	Company:		
Relinquished by:	Date/Time: 6/24/21 1600	Company	Received by: Deander	Date/Time: 6/24/21 1600	Company		
Relinquished by: Xamal	Date/Time: 6/24/21 1900	Company NA	Received by: Jeanette Grand	Date/Time: 6/24/21 1910	Company: ETA		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:				

07/14/2021

25 20 ESA 20 22 BY

Ver: 01/16/2019

460-237416 Chain of Custody

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-62080.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-237416-1
Address: 880 Riverside Parkway,	Due Date Requested: 7/7/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Long Island MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 Analytes)	PFC_IDA/3535_PFC PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
ISP SO 6-1 (0-2) (460-237416-1)	6/23/21	08:40 Eastern		Solid			X		1	AFFF-impacted
ISP SED 6-1 (0-2) (460-237416-2)	6/23/21	12:40 Eastern		Solid			X		1	AFFF-impacted
FB062321 (460-237416-3)	6/23/21	10:15 Eastern		Water				X	2	AFFF-impacted
ISPGWG 6-1 (460-237416-4)	6/23/21	11:50 Eastern		Water				X	2	AFFF-impacted
FRB062321 (460-237416-5)	6/23/21	11:00 Eastern		Water				X	2	AFFF-impacted
REP062321 (460-237416-6)	6/23/21	Eastern		Solid			X		1	AFFF-impacted

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	6/28/21 1900	ETAL		6/29/21 10:20	ETASAL
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1473777	Cooler Temperature(s) °C and Other Remarks: 2.1c

Ver: 11/01/2020

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
J	Indicates an estimated value.
U	Analyzed for but not detected.
Z	See case narrative notes for explanation of the 'Z' flag

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-237416-1

Client Sample ID: ISP SO 6-1 (0-2)

Date Collected: 06/23/21 08:40
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237416-1

Matrix: Solid
Percent Solids: 90.9

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.011	~~p~~ J N	0.0074	0.0013	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
4,4'-DDE	0.19		0.0074	0.00087	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
4,4'-DDT	0.49		0.037	0.0068	mg/Kg	☼	06/28/21 17:32	06/30/21 06:26	5
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Endosulfan sulfate	0.0074	U	0.0074	0.00092	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	06/28/21 17:32	06/29/21 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*10 - 150*	*06/28/21 17:32*	*06/29/21 11:52*	*1*
DCB Decachlorobiphenyl	*92*		*10 - 150*	*06/28/21 17:32*	*06/29/21 11:52*	*1*
DCB Decachlorobiphenyl	*96*		*10 - 150*	*06/28/21 17:32*	*06/30/21 06:26*	*5*
DCB Decachlorobiphenyl	*97*		*10 - 150*	*06/28/21 17:32*	*06/30/21 06:26*	*5*
Tetrachloro-m-xylene	*117*		*10 - 133*	*06/28/21 17:32*	*06/29/21 11:52*	*1*
Tetrachloro-m-xylene	*89*		*10 - 133*	*06/28/21 17:32*	*06/29/21 11:52*	*1*
Tetrachloro-m-xylene	*104*		*10 - 133*	*06/28/21 17:32*	*06/30/21 06:26*	*5*
Tetrachloro-m-xylene	*89*		*10 - 133*	*06/28/21 17:32*	*06/30/21 06:26*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0098	mg/Kg	☼	06/28/21 17:22	06/29/21 18:41	1
Aroclor 1221	0.074	U	0.074	0.0098	mg/Kg	☼	06/28/21 17:22	06/29/21 18:41	1
Aroclor 1232	0.074	U	0.074	0.0098	mg/Kg	☼	06/28/21 17:22	06/29/21 18:41	1
Aroclor 1242	0.074	U	0.074	0.0098	mg/Kg	☼	06/28/21 17:22	06/29/21 18:41	1
Aroclor 1248	0.074	U	0.074	0.0098	mg/Kg	☼	06/28/21 17:22	06/29/21 18:41	1
Aroclor 1254	0.074	U	0.074	0.010	mg/Kg	☼	06/28/21 17:22	06/29/21 18:41	1
Aroclor 1260	0.074	U	0.074	0.010	mg/Kg	☼	06/28/21 17:22	06/29/21 18:41	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.010	mg/Kg	☼	06/28/21 17:22	06/29/21 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*37 - 150*	*06/28/21 17:22*	*06/29/21 18:41*	*1*
DCB Decachlorobiphenyl	*57*		*37 - 150*	*06/28/21 17:22*	*06/29/21 18:41*	*1*
Tetrachloro-m-xylene	*103*		*54 - 150*	*06/28/21 17:22*	*06/29/21 18:41*	*1*
Tetrachloro-m-xylene	*51*	*	*54 - 150*	*06/28/21 17:22*	*06/29/21 18:41*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-237416-1

Client Sample ID: ISP SO 6-1 (0-2)

Date Collected: 06/23/21 08:40
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237416-1

Matrix: Solid
Percent Solids: 90.9

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	06/27/21 23:58	06/29/21 09:30	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	06/27/21 23:58	06/29/21 09:30	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	06/27/21 23:58	06/29/21 09:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*71*		*65 - 150*	*06/27/21 23:58*	*06/29/21 09:30*	*1*
2,4-Dichlorophenylacetic acid	*82*		*65 - 150*	*06/27/21 23:58*	*06/29/21 09:30*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.080**	**J**	0.22	0.030	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluoropentanoic acid (PFPeA)	**0.44**	~~*~~ J	0.22	0.084	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorohexanoic acid (PFHxA)	**0.15**	**J**	0.22	0.046	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluoroheptanoic acid (PFHpA)	**0.082**	**J**	0.22	0.032	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorooctanoic acid (PFOA)	**0.33**		0.22	0.094	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorononanoic acid (PFNA)	**0.37**		0.22	0.039	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorodecanoic acid (PFDA)	**0.40**		0.22	0.024	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluoroundecanoic acid (PFUnA)	**1.64**		0.22	0.039	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorododecanoic acid (PFDoA)	**0.27**		0.22	0.073	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorotridecanoic acid (PFTriA)	**1.06**		0.22	0.056	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorotetradecanoic acid (PFTeA)	**0.11**	**J**	0.22	0.059	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.027	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorohexanesulfonic acid (PFHxS)	**0.084**	**J**	0.22	0.034	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.038	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorooctanesulfonic acid (PFOS)	**2.78**		0.54	0.22	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorodecanesulfonic acid (PFDS)	**0.17**	**J**	0.22	0.042	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
Perfluorooctanesulfonamide (FOSA)	**0.60**		0.22	0.089	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.18	U	2.18	0.42	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.18	U	2.18	0.40	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
6:2 FTS	**3.07**	J	2.18	0.16	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1
8:2 FTS	**0.61**	**J**	2.18	0.27	ug/Kg	☼	06/30/21 11:39	07/03/21 16:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:00*	*1*
13C5 PFPeA	*68*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:00*	*1*
13C2 PFHxA	*87*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:00*	*1*
13C4 PFHpA	*97*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:00*	*1*
13C4 PFOA	*99*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:00*	*1*
13C5 PFNA	*89*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:00*	*1*
13C2 PFDA	*90*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:00*	*1*
13C2 PFUnA	*89*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:00*	*1*
13C2 PFDoA	*85*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:00*	*1*
13C2 PFTeDA	*102*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:00*	*1*

Client Sample ID: ISP SO 6-1 (0-2) — Lab Sample ID: 460-237416-1

Date Collected: 06/23/21 08:40 — **Matrix: Solid**
Date Received: 06/24/21 19:10 — **Percent Solids: 90.9**

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	100		25 - 150	06/30/21 11:39	07/03/21 16:00	1
18O2 PFHxS	79		25 - 150	06/30/21 11:39	07/03/21 16:00	1
13C4 PFOS	70		25 - 150	06/30/21 11:39	07/03/21 16:00	1
13C8 FOSA	83		25 - 150	06/30/21 11:39	07/03/21 16:00	1
d3-NMeFOSAA	82		25 - 150	06/30/21 11:39	07/03/21 16:00	1
d5-NEtFOSAA	99		25 - 150	06/30/21 11:39	07/03/21 16:00	1
M2-6:2 FTS	165	*	25 - 150	06/30/21 11:39	07/03/21 16:00	1
M2-8:2 FTS	163	*	25 - 150	06/30/21 11:39	07/03/21 16:00	1

~~Method: 537 (modified) - Fluorinated Alkyl Substances - RE~~

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	0.53	H	0.20	0.077	ug/Kg	☼	07/08/21 12:49	07/09/21 09:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	83		25 - 150	07/08/21 12:49	07/09/21 09:46	1

Client Sample ID: ISP SED 6-1 (0-2) — Lab Sample ID: 460-237416-2

Date Collected: 06/23/21 12:40 — **Matrix: Solid**
Date Received: 06/24/21 19:10 — **Percent Solids: 90.8**

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.098	J	0.0074	0.0013	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
4,4'-DDE	0.29		0.0074	0.00087	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
4,4'-DDT	3.0		0.15	0.027	mg/Kg	☼	06/28/21 17:32	06/30/21 06:42	20
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	06/28/21 17:32	06/29/21 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		10 - 150	06/28/21 17:32	06/29/21 12:08	1
DCB Decachlorobiphenyl	94		10 - 150	06/28/21 17:32	06/29/21 12:08	1
DCB Decachlorobiphenyl	95		10 - 150	06/28/21 17:32	06/30/21 06:42	20
DCB Decachlorobiphenyl	106		10 - 150	06/28/21 17:32	06/30/21 06:42	20
Tetrachloro-m-xylene	104		10 - 133	06/28/21 17:32	06/29/21 12:08	1
Tetrachloro-m-xylene	85		10 - 133	06/28/21 17:32	06/29/21 12:08	1
Tetrachloro-m-xylene	111		10 - 133	06/28/21 17:32	06/30/21 06:42	20

Client Sample ID: ISP SED 6-1 (0-2)

Date Collected: 06/23/21 12:40
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237416-2

Matrix: Solid
Percent Solids: 90.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*95*		*10 - 133*	*06/28/21 17:32*	*06/30/21 06:42*	*20*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0098	mg/Kg	☼	06/28/21 17:22	06/29/21 19:02	1
Aroclor 1221	0.074	U	0.074	0.0098	mg/Kg	☼	06/28/21 17:22	06/29/21 19:02	1
Aroclor 1232	0.074	U	0.074	0.0098	mg/Kg	☼	06/28/21 17:22	06/29/21 19:02	1
Aroclor 1242	0.074	U	0.074	0.0098	mg/Kg	☼	06/28/21 17:22	06/29/21 19:02	1
Aroclor 1248	0.074	U	0.074	0.0098	mg/Kg	☼	06/28/21 17:22	06/29/21 19:02	1
Aroclor 1254	0.074	U	0.074	0.010	mg/Kg	☼	06/28/21 17:22	06/29/21 19:02	1
Aroclor 1260	0.074	U	0.074	0.010	mg/Kg	☼	06/28/21 17:22	06/29/21 19:02	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.010	mg/Kg	☼	06/28/21 17:22	06/29/21 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*97*		*37 - 150*	*06/28/21 17:22*	*06/29/21 19:02*	*1*
DCB Decachlorobiphenyl	*64*		*37 - 150*	*06/28/21 17:22*	*06/29/21 19:02*	*1*
Tetrachloro-m-xylene	*91*		*54 - 150*	*06/28/21 17:22*	*06/29/21 19:02*	*1*
Tetrachloro-m-xylene	*55*		*54 - 150*	*06/28/21 17:22*	*06/29/21 19:02*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	06/27/21 23:58	06/29/21 09:45	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	06/27/21 23:58	06/29/21 09:45	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	06/27/21 23:58	06/29/21 09:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*72*		*65 - 150*	*06/27/21 23:58*	*06/29/21 09:45*	*1*
2,4-Dichlorophenylacetic acid	*88*		*65 - 150*	*06/27/21 23:58*	*06/29/21 09:45*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.65**		0.22	0.031	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluoropentanoic acid (PFPeA)	**4.13**	~~*~~ J	0.22	0.084	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluorohexanoic acid (PFHxA)	**1.64**		0.22	0.046	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluoroheptanoic acid (PFHpA)	**0.45**		0.22	0.032	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluorooctanoic acid (PFOA)	**0.91**		0.22	0.094	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluorononanoic acid (PFNA)	**1.17**		0.22	0.039	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluorodecanoic acid (PFDA)	**1.68**	J	0.22	0.024	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluoroundecanoic acid (PFUnA)	**4.20**		0.22	0.039	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluorododecanoic acid (PFDoA)	**0.48**		0.22	0.073	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluorotridecanoic acid (PFTriA)	**2.02**		0.22	0.056	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluorotetradecanoic acid (PFTeA)	**0.12**	J	0.22	0.059	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.027	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluorohexanesulfonic acid (PFHxS)	**0.37**		0.22	0.034	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.081**	J ~~Z~~	0.22	0.038	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
Perfluorodecanesulfonic acid (PFDS)	**0.73**		0.22	0.043	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1

Client Sample ID: ISP SED 6-1 (0-2) — Lab Sample ID: 460-237416-2

Date Collected: 06/23/21 12:40 — **Matrix: Solid**
Date Received: 06/24/21 19:10 — **Percent Solids: 90.8**

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	**2.05**		0.22	0.090	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.19	U J	2.19	0.43	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.19	U	2.19	0.40	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1
8:2 FTS	**8.85**	J	2.19	0.27	ug/Kg	☼	06/30/21 11:39	07/03/21 16:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C5 PFPeA	*67*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C2 PFHxA	*91*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C4 PFHpA	*99*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C4 PFOA	*96*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C5 PFNA	*92*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C2 PFDA	*91*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C2 PFUnA	*82*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C2 PFDoA	*85*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C2 PFTeDA	*108*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C3 PFBS	*98*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
18O2 PFHxS	*84*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C4 PFOS	*71*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
13C8 FOSA	*88*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
d3-NMeFOSAA	*91*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*
M2-8:2 FTS	*158*	*	*25 - 150*	*06/30/21 11:39*	*07/03/21 16:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**19.4**		1.09	0.44	ug/Kg	☼	06/30/21 11:39	07/08/21 08:32	2
6:2 FTS	**24.6**		4.37	0.33	ug/Kg	☼	06/30/21 11:39	07/08/21 08:32	2

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*78*		*25 - 150*	*06/30/21 11:39*	*07/08/21 08:32*	*2*
M2-6:2 FTS	*111*		*25 - 150*	*06/30/21 11:39*	*07/08/21 08:32*	*2*

~~Method: 537 (modified) - Fluorinated Alkyl Substances - RE~~

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**2.96**	**H**	0.19	0.075	ug/Kg	☼	07/08/21 12:49	07/09/21 09:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*83*		*25 - 150*	*07/08/21 12:49*	*07/09/21 09:56*	*1*

Client Sample ID: FB062321 — Lab Sample ID: 460-237416-3

Date Collected: 06/23/21 10:15 — **Matrix: Water**
Date Received: 06/24/21 19:10

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		06/27/21 13:35	06/28/21 15:02	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		06/27/21 13:35	06/28/21 15:02	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		06/27/21 13:35	06/28/21 15:02	1
Aldrin	0.020	U	0.020	0.0030	ug/L		06/27/21 13:35	06/28/21 15:02	1

Client Sample ID: FB062321 Lab Sample ID: 460-237416-3

Date Collected: 06/23/21 10:15 **Matrix: Water**
Date Received: 06/24/21 19:10

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	0.020	U	0.020	0.0070	ug/L		06/27/21 13:35	06/28/21 15:02	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		06/27/21 13:35	06/28/21 15:02	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		06/27/21 13:35	06/28/21 15:02	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		06/27/21 13:35	06/28/21 15:02	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		06/27/21 13:35	06/28/21 15:02	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		06/27/21 13:35	06/28/21 15:02	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		06/27/21 13:35	06/28/21 15:02	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		06/27/21 13:35	06/28/21 15:02	1
Endrin	0.020	U	0.020	0.0040	ug/L		06/27/21 13:35	06/28/21 15:02	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		06/27/21 13:35	06/28/21 15:02	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		06/27/21 13:35	06/28/21 15:02	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		06/27/21 13:35	06/28/21 15:02	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		06/27/21 13:35	06/28/21 15:02	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		06/27/21 13:35	06/28/21 15:02	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		06/27/21 13:35	06/28/21 15:02	1
Toxaphene	0.50	U	0.50	0.11	ug/L		06/27/21 13:35	06/28/21 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*10 - 150*	*06/27/21 13:35*	*06/28/21 15:02*	*1*
DCB Decachlorobiphenyl	*57*		*10 - 150*	*06/27/21 13:35*	*06/28/21 15:02*	*1*
Tetrachloro-m-xylene	*71*		*10 - 150*	*06/27/21 13:35*	*06/28/21 15:02*	*1*
Tetrachloro-m-xylene	*72*		*10 - 150*	*06/27/21 13:35*	*06/28/21 15:02*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 07:47	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 07:47	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 07:47	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 07:47	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 07:47	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		06/28/21 11:41	06/29/21 07:47	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		06/28/21 11:41	06/29/21 07:47	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 07:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*10 - 138*	*06/28/21 11:41*	*06/29/21 07:47*	*1*
DCB Decachlorobiphenyl	*69*		*10 - 138*	*06/28/21 11:41*	*06/29/21 07:47*	*1*
Tetrachloro-m-xylene	*84*		*10 - 150*	*06/28/21 11:41*	*06/29/21 07:47*	*1*
Tetrachloro-m-xylene	*95*		*10 - 150*	*06/28/21 11:41*	*06/29/21 07:47*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		06/27/21 23:57	06/29/21 07:40	1
2,4-D	1.2	U	1.2	0.13	ug/L		06/27/21 23:57	06/29/21 07:40	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		06/27/21 23:57	06/29/21 07:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*70*		*28 - 150*	*06/27/21 23:57*	*06/29/21 07:40*	*1*
2,4-Dichlorophenylacetic acid	*75*		*28 - 150*	*06/27/21 23:57*	*06/29/21 07:40*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-237416-1

Client Sample ID: FB062321

Date Collected: 06/23/21 10:15
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237416-3

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.15	U	5.15	2.47	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluoropentanoic acid (PFPeA)	2.06	U	2.06	0.50	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorohexanoic acid (PFHxA)	2.06	U	2.06	0.60	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluoroheptanoic acid (PFHpA)	2.06	U	2.06	0.26	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorooctanoic acid (PFOA)	2.06	U	2.06	0.87	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorononanoic acid (PFNA)	2.06	U	2.06	0.28	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorodecanoic acid (PFDA)	2.06	U	2.06	0.32	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluoroundecanoic acid (PFUnA)	2.06	U*	2.06	1.13	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorododecanoic acid (PFDoA)	2.06	U	2.06	0.57	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorotridecanoic acid (PFTriA)	2.06	U	2.06	1.34	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorotetradecanoic acid (PFTeA)	2.06	U	2.06	0.75	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorobutanesulfonic acid (PFBS)	2.06	U	2.06	0.21	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorohexanesulfonic acid (PFHxS)	2.06	U	2.06	0.59	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.06	U	2.06	0.20	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorooctanesulfonic acid (PFOS)	2.06	U	2.06	0.56	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorodecanesulfonic acid (PFDS)	2.06	U	2.06	0.33	ng/L		06/30/21 19:44	07/01/21 21:46	1
Perfluorooctanesulfonamide (FOSA)	2.06	U	2.06	1.01	ng/L		06/30/21 19:44	07/01/21 21:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.15	U	5.15	1.24	ng/L		06/30/21 19:44	07/01/21 21:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.15	U	5.15	1.34	ng/L		06/30/21 19:44	07/01/21 21:46	1
6:2 FTS	5.15	U	5.15	2.57	ng/L		06/30/21 19:44	07/01/21 21:46	1
8:2 FTS	2.06	U	2.06	0.47	ng/L		06/30/21 19:44	07/01/21 21:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C5 PFPeA	*90*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C2 PFHxA	*96*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C4 PFHpA	*104*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C4 PFOA	*96*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C5 PFNA	*91*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C2 PFDA	*89*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C2 PFUnA	*75*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C2 PFDoA	*90*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C2 PFTeDA	*92*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C3 PFBS	*100*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
18O2 PFHxS	*105*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C4 PFOS	*98*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
13C8 FOSA	*100*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
M2-6:2 FTS	*71*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:46*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-237416-1

Client Sample ID: ISP GWG 6-1

Date Collected: 06/23/21 11:50
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237416-4

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		06/27/21 13:35	06/28/21 15:15	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		06/27/21 13:35	06/28/21 15:15	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		06/27/21 13:35	06/28/21 15:15	1
Aldrin	0.020	U	0.020	0.0030	ug/L		06/27/21 13:35	06/28/21 15:15	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		06/27/21 13:35	06/28/21 15:15	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		06/27/21 13:35	06/28/21 15:15	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		06/27/21 13:35	06/28/21 15:15	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		06/27/21 13:35	06/28/21 15:15	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		06/27/21 13:35	06/28/21 15:15	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		06/27/21 13:35	06/28/21 15:15	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		06/27/21 13:35	06/28/21 15:15	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		06/27/21 13:35	06/28/21 15:15	1
Endrin	0.020	U	0.020	0.0040	ug/L		06/27/21 13:35	06/28/21 15:15	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		06/27/21 13:35	06/28/21 15:15	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		06/27/21 13:35	06/28/21 15:15	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		06/27/21 13:35	06/28/21 15:15	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		06/27/21 13:35	06/28/21 15:15	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		06/27/21 13:35	06/28/21 15:15	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		06/27/21 13:35	06/28/21 15:15	1
Toxaphene	0.50	U	0.50	0.11	ug/L		06/27/21 13:35	06/28/21 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*10 - 150*	*06/27/21 13:35*	*06/28/21 15:15*	*1*
DCB Decachlorobiphenyl	*60*		*10 - 150*	*06/27/21 13:35*	*06/28/21 15:15*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*06/27/21 13:35*	*06/28/21 15:15*	*1*
Tetrachloro-m-xylene	*77*		*10 - 150*	*06/27/21 13:35*	*06/28/21 15:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 08:04	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 08:04	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 08:04	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 08:04	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 08:04	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		06/28/21 11:41	06/29/21 08:04	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		06/28/21 11:41	06/29/21 08:04	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		06/28/21 11:41	06/29/21 08:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*10 - 138*	*06/28/21 11:41*	*06/29/21 08:04*	*1*
DCB Decachlorobiphenyl	*61*		*10 - 138*	*06/28/21 11:41*	*06/29/21 08:04*	*1*
Tetrachloro-m-xylene	*76*		*10 - 150*	*06/28/21 11:41*	*06/29/21 08:04*	*1*
Tetrachloro-m-xylene	*68*		*10 - 150*	*06/28/21 11:41*	*06/29/21 08:04*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		06/27/21 23:57	06/29/21 08:07	1
2,4-D	1.2	U	1.2	0.13	ug/L		06/27/21 23:57	06/29/21 08:07	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		06/27/21 23:57	06/29/21 08:07	1

Client Sample ID: ISP GWG 6-1 Lab Sample ID: 460-237416-4

Date Collected: 06/23/21 11:50 **Matrix: Water**
Date Received: 06/24/21 19:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	75		28 - 150	06/27/21 23:57	06/29/21 08:07	1
2,4-Dichlorophenylacetic acid	78		28 - 150	06/27/21 23:57	06/29/21 08:07	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**1570**		411	197	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluoropentanoic acid (PFPeA)	**9070**		164	40.3	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorohexanoic acid (PFHxA)	**3890**		164	47.7	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluoroheptanoic acid (PFHpA)	**1420**		164	20.5	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorooctanoic acid (PFOA)	**1000**		164	69.9	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorononanoic acid (PFNA)	**143**	**J**	164	22.2	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorodecanoic acid (PFDA)	164	U	164	25.5	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluoroundecanoic acid (PFUnA)	164	U	164	90.4	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorododecanoic acid (PFDoA)	164	U	164	45.2	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorotridecanoic acid (PFTriA)	164	U	164	107	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorotetradecanoic acid (PFTeA)	164	U	164	60.0	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorobutanesulfonic acid (PFBS)	164	U	164	16.4	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorohexanesulfonic acid (PFHxS)	**444**		164	46.8	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluoroheptanesulfonic Acid (PFHpS)	**90.6**	**J**	164	15.6	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorooctanesulfonic acid (PFOS)	**4290**		164	44.4	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorodecanesulfonic acid (PFDS)	164	U	164	26.3	ng/L		06/30/21 19:44	07/03/21 17:50	100
Perfluorooctanesulfonamide (FOSA)	164	U	164	80.5	ng/L		06/30/21 19:44	07/03/21 17:50	100
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	411	U	411	98.6	ng/L		06/30/21 19:44	07/03/21 17:50	100
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	411	U	411	107	ng/L		06/30/21 19:44	07/03/21 17:50	100
8:2 FTS	**638**		164	37.8	ng/L		06/30/21 19:44	07/03/21 17:50	100

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C5 PFPeA	84		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C2 PFHxA	93		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C4 PFHpA	103		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C4 PFOA	93		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C5 PFNA	96		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C2 PFDA	94		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C2 PFUnA	86		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C2 PFDoA	85		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C2 PFTeDA	105		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C3 PFBS	111		25 - 150	06/30/21 19:44	07/03/21 17:50	100
18O2 PFHxS	90		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C4 PFOS	75		25 - 150	06/30/21 19:44	07/03/21 17:50	100
13C8 FOSA	95		25 - 150	06/30/21 19:44	07/03/21 17:50	100
d3-NMeFOSAA	76		25 - 150	06/30/21 19:44	07/03/21 17:50	100
d5-NEtFOSAA	97		25 - 150	06/30/21 19:44	07/03/21 17:50	100
M2-8:2 FTS	69		25 - 150	06/30/21 19:44	07/03/21 17:50	100

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-237416-1

Client Sample ID: ISP GWG 6-1

Lab Sample ID: 460-237416-4

Date Collected: 06/23/21 11:50
Date Received: 06/24/21 19:10

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	44800	D	2050	1030	ng/L		06/30/21 19:44	07/09/21 12:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*87*		*25 - 150*	*06/30/21 19:44*	*07/09/21 12:17*	*1*

Client Sample ID: FRB062321

Lab Sample ID: 460-237416-5

Date Collected: 06/23/21 11:00
Date Received: 06/24/21 19:10

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.15	U	4.15	1.99	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluoropentanoic acid (PFPeA)	1.66	U	1.66	0.41	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorohexanoic acid (PFHxA)	1.66	U	1.66	0.48	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluoroheptanoic acid (PFHpA)	1.66	U	1.66	0.21	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorooctanoic acid (PFOA)	1.66	U	1.66	0.71	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorononanoic acid (PFNA)	1.66	U	1.66	0.22	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorodecanoic acid (PFDA)	1.66	U	1.66	0.26	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluoroundecanoic acid (PFUnA)	1.66	U	1.66	0.91	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorododecanoic acid (PFDoA)	1.66	U	1.66	0.46	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorotridecanoic acid (PFTriA)	1.66	U	1.66	1.08	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorotetradecanoic acid (PFTeA)	1.66	U	1.66	0.61	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorobutanesulfonic acid (PFBS)	1.66	U	1.66	0.17	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorohexanesulfonic acid (PFHxS)	1.66	U	1.66	0.47	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.66	U	1.66	0.16	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorooctanesulfonic acid (PFOS)	1.66	U	1.66	0.45	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorodecanesulfonic acid (PFDS)	1.66	U	1.66	0.27	ng/L		06/30/21 19:44	07/01/21 21:56	1
Perfluorooctanesulfonamide (FOSA)	1.66	U	1.66	0.81	ng/L		06/30/21 19:44	07/01/21 21:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.15	U	4.15	1.0	ng/L		06/30/21 19:44	07/01/21 21:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.15	U	4.15	1.08	ng/L		06/30/21 19:44	07/01/21 21:56	1
6:2 FTS	4.15	U	4.15	2.08	ng/L		06/30/21 19:44	07/01/21 21:56	1
8:2 FTS	1.66	U	1.66	0.38	ng/L		06/30/21 19:44	07/01/21 21:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C5 PFPeA	*88*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C2 PFHxA	*100*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C4 PFHpA	*104*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C4 PFOA	*93*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C5 PFNA	*98*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C2 PFDA	*101*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C2 PFUnA	*74*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C2 PFDoA	*100*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C3 PFBS	*104*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
18O2 PFHxS	*99*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C4 PFOS	*95*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
13C8 FOSA	*99*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*06/30/21 19:44*	*07/01/21 21:56*	*1*

Client Sample ID: FRB062321 — Lab Sample ID: 460-237416-5

Date Collected: 06/23/21 11:00 **Matrix: Water**
Date Received: 06/24/21 19:10

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	77		25 - 150	06/30/21 19:44	07/01/21 21:56	1
M2-6:2 FTS	76		25 - 150	06/30/21 19:44	07/01/21 21:56	1
M2-8:2 FTS	100		25 - 150	06/30/21 19:44	07/01/21 21:56	1

Client Sample ID: REP062321 — Lab Sample ID: 460-237416-6

Date Collected: 06/23/21 00:00 **Matrix: Solid**
Date Received: 06/24/21 19:10 **Percent Solids: 91.5**

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.0093**	~~p~~ J N	0.0073	0.0012	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
4,4'-DDE	**0.13**		0.0073	0.00086	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
4,4'-DDT	**0.40**		0.037	0.0067	mg/Kg	☼	06/28/21 17:32	06/30/21 06:58	5
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
cis-Chlordane	0.0073	U	0.0073	0.0012	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Endosulfan sulfate	0.0073	U	0.0073	0.00092	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	06/28/21 17:32	06/29/21 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		10 - 150	06/28/21 17:32	06/29/21 12:23	1
DCB Decachlorobiphenyl	86		10 - 150	06/28/21 17:32	06/29/21 12:23	1
DCB Decachlorobiphenyl	88		10 - 150	06/28/21 17:32	06/30/21 06:58	5
DCB Decachlorobiphenyl	89		10 - 150	06/28/21 17:32	06/30/21 06:58	5
Tetrachloro-m-xylene	94		10 - 133	06/28/21 17:32	06/29/21 12:23	1
Tetrachloro-m-xylene	79		10 - 133	06/28/21 17:32	06/29/21 12:23	1
Tetrachloro-m-xylene	94		10 - 133	06/28/21 17:32	06/30/21 06:58	5
Tetrachloro-m-xylene	80		10 - 133	06/28/21 17:32	06/30/21 06:58	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.0097	mg/Kg	☼	06/28/21 17:22	06/29/21 19:24	1
Aroclor 1221	0.073	U	0.073	0.0097	mg/Kg	☼	06/28/21 17:22	06/29/21 19:24	1
Aroclor 1232	0.073	U	0.073	0.0097	mg/Kg	☼	06/28/21 17:22	06/29/21 19:24	1
Aroclor 1242	0.073	U	0.073	0.0097	mg/Kg	☼	06/28/21 17:22	06/29/21 19:24	1
Aroclor 1248	0.073	U	0.073	0.0097	mg/Kg	☼	06/28/21 17:22	06/29/21 19:24	1
Aroclor 1254	0.073	U	0.073	0.010	mg/Kg	☼	06/28/21 17:22	06/29/21 19:24	1
Aroclor 1260	0.073	U	0.073	0.010	mg/Kg	☼	06/28/21 17:22	06/29/21 19:24	1

Client Sample ID: REP062321

Date Collected: 06/23/21 00:00
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237416-6

Matrix: Solid
Percent Solids: 91.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.073	U	0.073	0.010	mg/Kg	☼	06/28/21 17:22	06/29/21 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*37 - 150*	*06/28/21 17:22*	*06/29/21 19:24*	*1*
DCB Decachlorobiphenyl	*53*		*37 - 150*	*06/28/21 17:22*	*06/29/21 19:24*	*1*
Tetrachloro-m-xylene	*91*		*54 - 150*	*06/28/21 17:22*	*06/29/21 19:24*	*1*
Tetrachloro-m-xylene	*47*	*	*54 - 150*	*06/28/21 17:22*	*06/29/21 19:24*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.036	U	0.036	0.0077	mg/Kg	☼	06/27/21 23:58	06/29/21 09:59	1
2,4-D	0.036	U	0.036	0.013	mg/Kg	☼	06/27/21 23:58	06/29/21 09:59	1
Silvex (2,4,5-TP)	0.036	U	0.036	0.0038	mg/Kg	☼	06/27/21 23:58	06/29/21 09:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*75*		*65 - 150*	*06/27/21 23:58*	*06/29/21 09:59*	*1*
2,4-Dichlorophenylacetic acid	*86*		*65 - 150*	*06/27/21 23:58*	*06/29/21 09:59*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.12**	**J**	0.20	0.028	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluoropentanoic acid (PFPeA)	**0.72**	~~*~~ J	0.20	0.077	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorohexanoic acid (PFHxA)	**0.20**		0.20	0.042	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluoroheptanoic acid (PFHpA)	**0.085**	**J**	0.20	0.029	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorooctanoic acid (PFOA)	**0.37**		0.20	0.086	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorononanoic acid (PFNA)	**0.34**		0.20	0.036	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorodecanoic acid (PFDA)	**0.35**		0.20	0.022	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluoroundecanoic acid (PFUnA)	**1.53**		0.20	0.036	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorododecanoic acid (PFDoA)	**0.20**		0.20	0.067	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorotridecanoic acid (PFTriA)	**0.79**		0.20	0.051	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorotetradecanoic acid (PFTeA)	**0.084**	**J**	0.20	0.054	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorohexanesulfonic acid (PFHxS)	**0.088**	**J**	0.20	0.031	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorooctanesulfonic acid (PFOS)	**2.31**		0.50	0.20	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorodecanesulfonic acid (PFDS)	**0.12**	**J**	0.20	0.039	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
Perfluorooctanesulfonamide (FOSA)	**0.47**		0.20	0.082	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.01	U	2.01	0.39	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.01	U	2.01	0.37	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
6:2 FTS	**4.14**	J	2.01	0.15	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1
8:2 FTS	**0.61**	**J**	2.01	0.25	ug/Kg	☼	06/30/21 11:39	07/03/21 15:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*06/30/21 11:39*	*07/03/21 15:51*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-237416-1

Client Sample ID: REP062321

Date Collected: 06/23/21 00:00
Date Received: 06/24/21 19:10

Lab Sample ID: 460-237416-6

Matrix: Solid
Percent Solids: 91.5

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	69		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C2 PFHxA	92		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C4 PFHpA	100		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C4 PFOA	96		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C5 PFNA	103		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C2 PFDA	91		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C2 PFUnA	96		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C2 PFDoA	95		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C2 PFTeDA	96		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C3 PFBS	94		25 - 150	06/30/21 11:39	07/03/21 15:51	1
18O2 PFHxS	79		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C4 PFOS	78		25 - 150	06/30/21 11:39	07/03/21 15:51	1
13C8 FOSA	92		25 - 150	06/30/21 11:39	07/03/21 15:51	1
d3-NMeFOSAA	91		25 - 150	06/30/21 11:39	07/03/21 15:51	1
d5-NEtFOSAA	92		25 - 150	06/30/21 11:39	07/03/21 15:51	1
M2-6:2 FTS	179	*	25 - 150	06/30/21 11:39	07/03/21 15:51	1
M2-8:2 FTS	156	*	25 - 150	06/30/21 11:39	07/03/21 15:51	1

Method: 537 (modified) - Fluorinated Alkyl Substances - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	0.73	H	0.21	0.083	ug/Kg	☼	07/08/21 12:49	07/09/21 10:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	79		25 - 150	07/08/21 12:49	07/09/21 10:24	1

Town of Islip-Long Island MacArthur Airport

Data Usability Summary Report

Ronkonkoma, New York

Volatile Organic Compound, Semi-Volatile Organic Compounds, Pesticides, Herbicides, Polychlorinated Biphenyls (PCBs), Perfluoroalkyl Substances (PFAS) and, Metals Analyses

SDGs # 460-241223-1, 460-241224-1 and 460-241225-1

Analyses Performed By:
Eurofins TestAmerica
Edison, New Jersey

Report #42878R
Review Level: Tier III
Project: 30017855.00005

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDGs) # 460-241223-1, 460-241224-1 and 460-241225-1 for samples collected in association with the Town of Islip-Long Island MacArthur Airport Site in Ronkonkoma, NY. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
						VOC	SVOC	Herb Pest PCB	PFAs	Metals
460-241223-1	ISP MW9-1	460-241223-1	Groundwater	8/18/2021		X	X	X	X	X
460-241224-1	ISP MW-01	460-241224-1	Groundwater	8/18/2021		X	X	X	X	X
	FB081821	460-241224-2	Water	8/18/2021		X	X	X	X	X
	TB081821	460-241224-3	Water	8/18/2021		X				
	FRB081821	460-241224-4	Water	8/18/2021					X	
460-241225-1	REP081821	460-241225-1	Groundwater	8/18/2021	ISP MW9-1	X	X	X	X	X

Notes:

1. PFAs analysis was performed at Eurofins TestAmerica-Sacramento, located in West Sacramento, California.

2. In SDG 460-241223-1, matrix spike (MS) analysis was performed on sample location ISP MW9-1 for Metals-total analysis.

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:

QA Quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260D, 8270E, 8270E by Selected Ion Monitoring (SIM), 8081B (Pesticides), 8151A (Herbicides), 8082A (PCBs), and USEPA method 537 Modified (PFAs). Data were reviewed in accordance with criteria set forth in the NYSDEC DER-10 (NYSDEC 2010), and applicable USEPA CLP National Functional Guidelines for Organic Data Review (USEPA January 2017 and October 1999). Specifically, for PFAS data validation the review will include combination the laboratory SOP, Department of Defense (DoD) Quality Systems Manual (QSM), and EPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFASs) Analyzed Using EPA Method 537, November 2018.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound is considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260D	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were detected in the associated QA blanks; however, the associated sample results were greater than the BAL and/or were non-detect. No qualification of the sample results was required.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
ISP MW9-1	CCV %D	Chloromethane	-21.2%
		Bromomethane	-46.0%
		Chloroethane	-27.1%
ISP MW-01		Chloromethane	-21.2%
FB081821			
TB081821			
REP081821		Chloromethane	-21.2%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ

Initial/Continuing	Criteria	Sample Result	Qualification
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with any of the SDGs.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

A field duplicate was not collected with a sample location associated with SDG 460-241224-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
ISP MW9-1/ REP081821	Chloromethane	0.47 J	1.0 U	AC

Notes:

AC Acceptable

U Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X	X		
C. Trip blanks		X			X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate (LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)					X
Matrix Spike Duplicate (MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		

VOCs: SW-846 8260D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270E and 8270E-SIM	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits in SDG 460-241223-1.

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
FB081821	CCV %D	Indeno[1,2,3-cd]pyrene	+30.6%
REP081821			

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R

Initial/Continuing	Criteria	Sample Result	Qualification
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

The SVOC and 1,4-Dioxane-d8 recoveries were within control limits in all SDGs.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with any of the SDGs.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits in SDG 460-241223-1.

Sample locations associated with LCS/LCSD analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compound	LCS Recovery	LCSD Recovery
8270E analysis: FB081821 REP081821	Pyrene	>UL	AC

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

A field duplicate was not collected with a sample location associated with SDG 460-241224-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
ISP MW9-1/ REP081821	8270E SIM: 1,4 Dioxane	0.20 U	0.20 U	AC
	8270E total: All SVOC compounds	U	U	AC

Notes:
AC Acceptable
U Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270E and 8270E-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate (LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)					X
Matrix Spike Duplicate (MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike %R		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	

SVOCs: SW-846 8270E and 8270E-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Pesticides and Herbicides Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8081B and 8151A	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99 is allowed.

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All initial and continuing calibration criteria were within the control limits.

4. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. pesticide-herbicide analysis

requires that one of the two pesticide-herbicide surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries reported from the primary column were within control limits.

5. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits (in Pesticide Method 8081B).

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with any of the SDGs.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

A field duplicate was not collected with a sample location associated with SDG 460-241224-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
ISP MW9-1/ REP081821	Pesticides: All Compounds	U	U	AC
	Herbicides: All compounds	1.2 U	1.2 U	AC

Note:
U Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

9. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the percent difference (%D) of detected sample results must be less than 25%.

In SDG 460-241223-1, 241224-1: all sample locations exhibited %Ds recoveries within the control limit; all results (pesticides and herbicides) were non-detect.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Pesticides and Herbicides

PESTICIDES/HERBICIDES: SW-846 8081B and 8051A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Internal Standard		X		X	
Matrix Spike (MS) %R					X
Matrix Spike Duplicate (MSD) %R					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike %R		X		X	
Column %D $\leq$ 25%		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
System performance and column resolution		X		X	
Compound identification and quantitation					
A. Quantitation Reports		X		X	
B. RT of sample compounds within the established RT windows		X		X	
C. Identification/confirmation		X		X	

PESTICIDES/HERBICIDES: SW-846 8081B and 8051A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Polychlorinated biphenyl (PCB) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8082A	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for Aroclor 1016 and 1260 only. Single-point calibrations were performed for the remaining Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All initial and continuing calibration criteria were within the control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that one of the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries reported from the primary column were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with any of the SDGs.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

A field duplicate was not collected with a sample location associated with SDG 460-241224-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
ISP MW9-1/ REP081821	All Aroclors	U	U	AC

Note:
U Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the relative percent difference (%RPD) of detected sample results must be less than 25%.

The dual column analysis exhibited an acceptable %RPD between columns; all results were non-detect.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for PCBs

PCBs: SW-846 8082A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Internal Standard		X		X	
Matrix Spike (MS) %R					X
Matrix Spike Duplicate (MSD) %R					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike %R		X		X	
Column (RPD) $\leq$ 25%		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
System performance and column resolution		X		X	
Compound identification and quantitation					
A. Quantitation Reports		X		X	
B. RT of sample compounds within the established RT windows		X		X	
C. Pattern identification		X		X	

PCBs: SW-846 8082A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Perfluoroalkyl Substances (PFAS) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
USEPA modified 537	Water	28 days to extraction; 28 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criteria.

The holding time has been changed from the original holding time documented in EPA 537 of 14 days to extraction hold time that has now been changed to 28 days. This was documented in EPA Technical Brief EPA/600/F-17/022h Updated January 2020. Utilizing the new guidance of 28 days all samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of ten times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Calibration

Mass calibration and system performance were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The percent relative standard deviation (%RSD) of the response factors (RF) must be less than 35%, or for linear calibration, $R^2 \geq 0.99$.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (30%) and RRF value greater than control limit (0.05).

All compounds associated with the initial and continuing calibrations were within the specified control limits in all SDGs.

5. Isotopically Labelled Standards

5.1 Extracted Internal Standard (EIS)

Labeled standards must be added to all field samples and QC samples prior to extraction. EIS recoveries must be within the limits of 25% to 150%.

All EIS recoveries were within control limits in all three SDGs.

5.2 Injection Internal Standards

Injection internal standards are added to the aliquot of sample dilutions, QC samples, and standards just prior to analysis. Peak areas must be within 50-150% of the area measured in the ICAL midpoint standard. On days when ICAL is not performed, the peak areas must be within 50-150% of the peak area measured in daily initial CCV.

All injected internal standard recoveries were within the specified control limits.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD less than 30%. The MS/MSD recovery control limits do not apply when the concentration detected in the parent sample exceeds the MS/MSD spike level by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with any of the SDGs.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPD within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

A field duplicate was not collected with a sample location associated with SDG 460-241224-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
ISP MW9-1/ REP081821	Perfluorobutanoic acid (PFBA)	9.36	8.72	AC
	Perfluoropentanoic acid (PFPeA)	7.52	7.35	2.3%
	Perfluorohexanoic acid (PFHxA)	11.2	10.5	6.5%
	Perfluoroheptanoic acid (PFHpA)	6.73	6.03	11%
	Perfluorooctanoic acid (PFOA)	19.8	19.8	0%
	Perfluorononanoic acid (PFNA)	1.01 J	1.01 J	AC
	Perfluorodecanoic acid (PFDA)	0.48 J	0.40 J	AC
	Perfluoroundecanoic acid (PFUnA)	1.71 U	1.62 U	AC
	Perfluorododecanoic acid (PFDoA)	1.71 U	1.62 U	AC
	Perfluorotridecanoic acid (PFTriA)	1.71 U	1.62 U	AC
	Perfluorotetradecanoic acid (PFTeA)	1.71 U	1.62 U	AC
	Perfluorobutanesulfonic acid (PFBS)	2.87	2.79	AC
	Perfluorohexanesulfonic acid (PFHxS)	38.9	36.2	7.2%
	Perfluoroheptanesulfonic Acid (PFHpS)	0.45 J	0.35 J	AC
	Perfluorooctanesulfonic acid (PFOS)	12.4	11.9	4.1%
	Perfluorodecanesulfonic acid (PFDS)	1.71 U	1.62 U	AC
	Perfluorooctanesulfonamide (FOSA)	1.71 U	1.62 U	AC
	N-methylperfluorooctanesulfonamido acetic acid (NMeFOSAA)	4.28 U	4.05 U	AC
	N-ethylperfluorooctanesulfonamido acetic acid (NEtFOSSA)	4.28 U	4.05 U	AC

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
	6:2 FTS	4.28 U	4.05 U	AC
	8:2 FTS	1.71 U	1.62 U	AC

Note:
AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

9. Compound Identification

PFC analytes are identified by using the compound's ion abundance ratios, signal-to-noise values, and relative retention times.

All identified compounds met method criteria.

10. System Performance and Overall Assessment

PFC analytes are identified by using the compound's ion abundance ratios, signal-to-noise values, and relative retention times.

As noted in the case narrative, "the transition mass ratio for was outside of the established ratio limit." For results In a some samples; as denoted with a laboratory applied qualifier "Z" on the Client Sample Result pages.

In the case of an ion ratio deviation, the sample results are qualified as documented in the table below.

Sample Locations	Compound
ISP MW9-1	Perfluoroheptanesulfonic Acid (PFHpS)
ISP MW-01	Perfluorohexanesulfonic acid (PFHxS)
REP081821	Perfluoroheptanesulfonic Acid (PFHpS)

In the case of an ion ratio deviation, the sample results are qualified as documented in the table below.

Control limit	Sample Result	Qualification
> +/- 50% D	Detect	J

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for PFAS

PFAS: USEPA 537 MODIFIED	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY (LC/MS/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Field blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R					X
Matrix Spike Duplicate (MSD) %R					X
MS/MSD Precision (RPD)					X
Field Duplicate (RPD)		X		X	
Extracted Internal Standards (EIS) %R		X		X	
Injection Internal Standard %R		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
Instrument tune and performance check		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
Instrument sensitivity check		X		X	
Ion transitions used		X		X	
Compound identification and quantitation					

PFAS: USEPA 537 MODIFIED	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY (LC/MS/MS)					
Reconstructed ion chromatograms		X		X	
Quantitation Reports		X		X	
A. RT of sample compounds within the established RT windows		X		X	
B. Transcription/calculations acceptable		X		X	
C. Ion Ratio %D		X	X		
D. Reporting limits adjusted to reflect sample dilutions		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Inorganic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 6020B and 7470A. Data were reviewed in accordance with National Functional Guidelines (NFGs) for Inorganic Superfund Data Review, USEPA 540-R-10-011, January 2010, and as applicable with additional reference to the USEPA CLP, NFGs for inorganic Data Review, EPA 540-R-04-004, October 2004, as appropriate.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Metals Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020B	Water	180 days from collection to analysis	Preserved to a pH of less than a pH 2 s.u..
SW-846 7470A	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2.

Note:
s.u Standard units

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

In SDG 460-241223-1: Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

In SDG 460-241224-1: Analytes were detected in the associated QA blanks; however, the associated sample results were greater than the BAL and/or were non-detect. No qualification of the sample results was required.

3. Mass Spectrometer Tuning

The %RSD of the absolute signals for all analytes in the tuning solution must be less than 5% for each analyte and the instrument mass resolution must be within 0.1 amu over manufacturer ‘s specifications the range of 6-210 amu.

Mass spectrometer performance and system performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of

acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

4.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4.2 Lower Limit of Quantitation Check Standard

The lower limit of quantitation check (LLQC) check standard serves to verify the linearity of calibration of the analysis at the reporting limit. The LLQC recoveries must be within 70 to 130% [and 50 to 150% for cobalt (Co), manganese (Mn), and zinc (Zn)]. The LLQC standard is not required for the analysis of aluminum (Al), barium (Ba), calcium (Ca), iron (Fe), magnesium (Mg), sodium (Na), and potassium (K). The criteria used to evaluate the LLQC standard analysis are presented below in the LLQC standards evaluation table (if applicable).

All LLQC standard recoveries were within control limits.

4.3 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

All ICS exhibited recoveries within the control limits.

5. Internal Standard Performance

Internal standard performance criteria ensure that the ICP/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard analytes associated with the metals must exhibit a percent recovery within the established acceptance limits of 60% to 125%

All internal standard responses were within control limits.

6. Matrix Spike (MS)/Laboratory Duplicate Analysis

MS and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

6.1 MS Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS analysis performed on sample location ISP MW9-1 (metals) exhibited recoveries within the control limits.

6.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 30% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices and two times the RL for soil matrices.

The laboratory duplicate sample ISP MW9-1 (Metals) results exhibited RPD within the control limits.

7. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

A field duplicate was not collected with a sample location associated with SDG 460-241224-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
ISP MW9-1/ REP081821 (Total)	Barium	13.8	13.9	AC
	Beryllium	0.46 J	0.45 J	AC
	Chromium	3.7 J	3.8 J	AC
	Copper	15.5	17.1	AC
	Lead	1.1 J	1.1 J	AC
	Manganese	485	484	0.2%
	Nickel	22.7	22.5	1.0%
	Zinc	37.3	40.4	AC
ISP MW9-1/ REP081821 (Dissolved)	Barium	14.1	14.1	AC
	Beryllium	0.41 J	0.35 J	AC
	Copper	14.3	15.3	AC
	Manganese	469	495	5.4%
	Nickel	22.8	23.7	4.0%
	Zinc	36.3	37.5	AC

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
ISP MW9-1/ REP081821 (Total)	Mercury	0.20 U	0.20 U	AC
ISP MW9-1/ REP081821 (Dissolved)	Mercury	0.20 U	0.20 U	AC

Notes:
AC Acceptable
U Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

9. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The serial dilution performed on sample location ISP MW9-1 (metals-Total and Dissolved) exhibited %D within the control limit.

10. General Assessment – Total vs. Dissolved

When the dissolved concentration exceeded the associated total concentration, and both results were five times greater than the RL, then the %D between the total and dissolved concentrations must be less than 10%.

The calculated %D between the total and the dissolved sample results were within the control limit.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Metals

METALS: SW-846 6020B and 7470A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) Atomic Absorption – Manual Cold Vapor (CV)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks		X	X		
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)		X		X	
ICP Serial Dilution %D		X		X	
Total vs. Dissolved		X		X	
Reporting Limit Verification		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
LLQC Standard Recovery		X		X	
ICP Interference Check		X		X	
ICP-MS Internal Standards		X		X	
Transcription/calculations acceptable		X		X	

METALS: SW-846 6020B and 7470A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Raw Data		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%R Percent recovery

RPD Relative percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]						Noncompliance
					VOC	SVOC	Pest Herb PCB	Mtls	PFAS	MISC	
460-241223-1	8/18/2021	SW-486	ISP MW9-1	Groundwater	No	Yes	Yes	Yes	No	--	VOC- Continuing calibration %D PFAS- Transition mass ratio
460-241224-1			ISP MW-01	Groundwater	No	Yes	Yes	Yes	No	--	VOC- Continuing calibration %D PFAS- Transition mass ratio
			FB081821	Water	No	Yes	Yes	Yes	Yes	--	VOC- Continuing calibration %D
			TB081821	Water	No	--	--	--	--	--	VOC- Continuing calibration %D
			FRB081821	Water	--	--	--	--	Yes	--	
460-241225-1			REP081821	Groundwater	No	Yes	Yes	Yes	No	--	VOC- Continuing calibration %D PFAS- Transition mass ratio

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Lisa Horton

SIGNATURE: Lisa Horton

DATE: October 4, 2021

PEER REVIEW: Dennis Capria

DATE: October 5, 2021

Chain of Custody Corrected Sample Analysis Data Sheets

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Stephen Vlavianos	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-138699-89838.1
Client Contact: Ms. Xuan Xu	Phone: 516 404 6601	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: NY	Page: Page 1 of 1
Company: ARCADIS U.S., Inc.	PWSID:			Job #: 241223
Address: Two Huntington Quadrangle Suite 1S10	Due Date Requested:			
City: Melville	TAT Requested (days): PFAS = 10 days; Rest = 5 days			
State, Zip: NY, 11747	Compliance Project: Δ Yes Δ No			
Phone: 631-391-5235(Tel)	PO #: 30017855.AOC GW			
Email: xuan.xu@arcadis.com	WO #:			
Project Name: MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

MC 22

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Custom TCL/NY Part 375 VOCs	8270E - TCL/NY Part 375 SVOCs	8270E_SIM_MS_ID - 1,4-Dioxane (waters only)	8081B - Custom TCL/NY Part 375 Pesticides	8082A - PCBs(7)	8151A - TCL Herbicides	6020B/7471B (7470A for water) - Custom Metals	PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N/A	N	N	N	N	N	D/N	N		
ISP MW 9-1	8/18/21	1425	G	W	Y	Y	X	X	X	X	X	X	X	X	17	Metals: Nitric Acid unfiltered unpreserved bottle is filtered

460-241223 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B & Equis Arcadis EDD

Special Instructions/QC Requirements: AFFF-impacted? Yes or No (circle one)

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Stephen Vlavianos	8/19/21 1610	Arcadis	[illegible]	8/19/21 1110	[illegible]
[illegible]	8/19/21 1610	[illegible]	[illegible]	8/19/21 1900	[illegible]
[illegible]	8/19/21 1900	[illegible]	[illegible]	8/19/21 1900	[illegible]

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

2621 ZR9 2620 ZR9 2520 ZR9 2520 ZR9

Ver: 01/16/2019

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-62644.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-241223-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 8/31/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Long Island MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
ISP MW9-1 (460-241223-1)	8/18/21	14:25 Eastern		Water			X	2	AFFF-impacted

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/23/21 1730	Company: TAEDI	Received by:	8/24/21	Date/Time: 8/24/21 10:25	Company: TAEDI
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 14714381		Cooler Temperature(s) °C and Other Remarks: 0.9w			

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.
Z	See case narrative notes for explanation of the 'Z' flag

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-241223-1

Client Sample ID: ISP MW9-1

Date Collected: 08/18/21 14:25
Date Received: 08/19/21 19:00

Lab Sample ID: 460-241223-1

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			08/24/21 12:12	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			08/24/21 12:12	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/24/21 12:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			08/24/21 12:12	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/24/21 12:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			08/24/21 12:12	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			08/24/21 12:12	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			08/24/21 12:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			08/24/21 12:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/24/21 12:12	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			08/24/21 12:12	1
Acetone	5.0	U	5.0	4.4	ug/L			08/24/21 12:12	1
Benzene	1.0	U	1.0	0.20	ug/L			08/24/21 12:12	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			08/24/21 12:12	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/24/21 12:12	1
Chloroform	1.0	U	1.0	0.33	ug/L			08/24/21 12:12	1
Chloromethane	**0.47**	**J**	1.0	0.40	ug/L			08/24/21 12:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			08/24/21 12:12	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/24/21 12:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/24/21 12:12	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			08/24/21 12:12	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			08/24/21 12:12	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			08/24/21 12:12	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			08/24/21 12:12	1
o-Xylene	1.0	U	1.0	0.36	ug/L			08/24/21 12:12	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			08/24/21 12:12	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			08/24/21 12:12	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			08/24/21 12:12	1
Toluene	1.0	U	1.0	0.38	ug/L			08/24/21 12:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			08/24/21 12:12	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			08/24/21 12:12	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			08/24/21 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*08/24/21 12:12*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*08/24/21 12:12*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*08/24/21 12:12*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/24/21 12:12*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		08/21/21 08:04	08/21/21 22:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*37*		*10 - 150*	*08/21/21 08:04*	*08/21/21 22:17*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		08/21/21 07:38	08/22/21 02:02	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		08/21/21 07:38	08/22/21 02:02	1
Acenaphthene	10	U	10	1.1	ug/L		08/21/21 07:38	08/22/21 02:02	1

Client Sample ID: ISP MW9-1 Lab Sample ID: 460-241223-1

Date Collected: 08/18/21 14:25 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	10	U	10	0.82	ug/L		08/21/21 07:38	08/22/21 02:02	1
Anthracene	10	U	10	1.3	ug/L		08/21/21 07:38	08/22/21 02:02	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		08/21/21 07:38	08/22/21 02:02	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		08/21/21 07:38	08/22/21 02:02	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		08/21/21 07:38	08/22/21 02:02	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		08/21/21 07:38	08/22/21 02:02	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		08/21/21 07:38	08/22/21 02:02	1
Chrysene	2.0	U	2.0	0.91	ug/L		08/21/21 07:38	08/22/21 02:02	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		08/21/21 07:38	08/22/21 02:02	1
Dibenzofuran	10	U	10	1.1	ug/L		08/21/21 07:38	08/22/21 02:02	1
Fluoranthene	10	U	10	0.84	ug/L		08/21/21 07:38	08/22/21 02:02	1
Fluorene	10	U	10	0.91	ug/L		08/21/21 07:38	08/22/21 02:02	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		08/21/21 07:38	08/22/21 02:02	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		08/21/21 07:38	08/22/21 02:02	1
Naphthalene	2.0	U	2.0	0.54	ug/L		08/21/21 07:38	08/22/21 02:02	1
Pentachlorophenol	20	U	20	1.4	ug/L		08/21/21 07:38	08/22/21 02:02	1
Phenanthrene	10	U	10	1.3	ug/L		08/21/21 07:38	08/22/21 02:02	1
Phenol	10	U	10	0.29	ug/L		08/21/21 07:38	08/22/21 02:02	1
Pyrene	10	U	10	1.6	ug/L		08/21/21 07:38	08/22/21 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*33 - 150*	*08/21/21 07:38*	*08/22/21 02:02*	*1*
2-Fluorobiphenyl	*89*		*42 - 127*	*08/21/21 07:38*	*08/22/21 02:02*	*1*
2-Fluorophenol (Surr)	*51*		*18 - 72*	*08/21/21 07:38*	*08/22/21 02:02*	*1*
Nitrobenzene-d5 (Surr)	*96*		*46 - 137*	*08/21/21 07:38*	*08/22/21 02:02*	*1*
Phenol-d5 (Surr)	*37*		*10 - 50*	*08/21/21 07:38*	*08/22/21 02:02*	*1*
Terphenyl-d14 (Surr)	*109*		*39 - 150*	*08/21/21 07:38*	*08/22/21 02:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		08/22/21 08:49	08/23/21 10:11	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:11	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:11	1
Aldrin	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:11	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		08/22/21 08:49	08/23/21 10:11	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:11	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:11	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		08/22/21 08:49	08/23/21 10:11	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:11	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:11	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:11	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		08/22/21 08:49	08/23/21 10:11	1
Endrin	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:11	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		08/22/21 08:49	08/23/21 10:11	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		08/22/21 08:49	08/23/21 10:11	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		08/22/21 08:49	08/23/21 10:11	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:11	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		08/22/21 08:49	08/23/21 10:11	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:11	1
Toxaphene	0.50	U	0.50	0.11	ug/L		08/22/21 08:49	08/23/21 10:11	1

Client Sample ID: ISP MW9-1 Lab Sample ID: 460-241223-1

Date Collected: 08/18/21 14:25 **Matrix: Water**
Date Received: 08/19/21 19:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:11*	*1*
DCB Decachlorobiphenyl	*89*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:11*	*1*
Tetrachloro-m-xylene	*71*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:11*	*1*
Tetrachloro-m-xylene	*69*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 06:46	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 06:46	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 06:46	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 06:46	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 06:46	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		08/22/21 08:54	08/24/21 06:46	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		08/22/21 08:54	08/24/21 06:46	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*10 - 138*	*08/22/21 08:54*	*08/24/21 06:46*	*1*
DCB Decachlorobiphenyl	*83*		*10 - 138*	*08/22/21 08:54*	*08/24/21 06:46*	*1*
Tetrachloro-m-xylene	*71*		*10 - 150*	*08/22/21 08:54*	*08/24/21 06:46*	*1*
Tetrachloro-m-xylene	*80*		*10 - 150*	*08/22/21 08:54*	*08/24/21 06:46*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		08/22/21 06:31	08/23/21 09:07	1
2,4-D	1.2	U	1.2	0.13	ug/L		08/22/21 06:31	08/23/21 09:07	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		08/22/21 06:31	08/23/21 09:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*89*		*28 - 150*	*08/22/21 06:31*	*08/23/21 09:07*	*1*
2,4-Dichlorophenylacetic acid	*89*		*28 - 150*	*08/22/21 06:31*	*08/23/21 09:07*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**9.36**		4.28	2.05	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluoropentanoic acid (PFPeA)	**7.52**		1.71	0.42	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorohexanoic acid (PFHxA)	**11.2**		1.71	0.50	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluoroheptanoic acid (PFHpA)	**6.73**		1.71	0.21	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorooctanoic acid (PFOA)	**19.8**		1.71	0.73	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorononanoic acid (PFNA)	**1.01**	**J**	1.71	0.23	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorodecanoic acid (PFDA)	**0.48**	**J**	1.71	0.27	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluoroundecanoic acid (PFUnA)	1.71	U	1.71	0.94	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorododecanoic acid (PFDoA)	1.71	U	1.71	0.47	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorotridecanoic acid (PFTriA)	1.71	U	1.71	1.11	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorotetradecanoic acid (PFTeA)	1.71	U	1.71	0.62	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorobutanesulfonic acid (PFBS)	**2.87**		1.71	0.17	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorohexanesulfonic acid (PFHxS)	**38.9**		1.71	0.49	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.45**	**J** ~~**Z**~~	1.71	0.16	ng/L		08/24/21 19:07	08/26/21 22:59	1

Client Sample ID: ISP MW9-1 Lab Sample ID: 460-241223-1

Date Collected: 08/18/21 14:25 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**12.4**		1.71	0.46	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorodecanesulfonic acid (PFDS)	1.71	U	1.71	0.27	ng/L		08/24/21 19:07	08/26/21 22:59	1
Perfluorooctanesulfonamide (FOSA)	1.71	U	1.71	0.84	ng/L		08/24/21 19:07	08/26/21 22:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.28	U	4.28	1.03	ng/L		08/24/21 19:07	08/26/21 22:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.28	U	4.28	1.11	ng/L		08/24/21 19:07	08/26/21 22:59	1
6:2 FTS	4.28	U	4.28	2.14	ng/L		08/24/21 19:07	08/26/21 22:59	1
8:2 FTS	1.71	U	1.71	0.39	ng/L		08/24/21 19:07	08/26/21 22:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C5 PFPeA	*80*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C2 PFHxA	*83*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C4 PFHpA	*90*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C4 PFOA	*90*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C5 PFNA	*90*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C2 PFDA	*81*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C2 PFUnA	*84*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C2 PFDoA	*87*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C2 PFTeDA	*106*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C3 PFBS	*94*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
18O2 PFHxS	*86*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C4 PFOS	*73*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
13C8 FOSA	*78*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
d3-NMeFOSAA	*60*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
d5-NEtFOSAA	*64*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
M2-6:2 FTS	*87*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*
M2-8:2 FTS	*71*		*25 - 150*	*08/24/21 19:07*	*08/26/21 22:59*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		08/21/21 19:50	08/23/21 23:03	1
Barium	**13.8**		4.0	0.91	ug/L		08/21/21 19:50	08/23/21 23:03	1
Beryllium	**0.46**	**J**	0.80	0.13	ug/L		08/21/21 19:50	08/23/21 23:03	1
Cadmium	2.0	U	2.0	0.39	ug/L		08/21/21 19:50	08/23/21 23:03	1
Chromium	**3.7**	**J**	4.0	2.5	ug/L		08/21/21 19:50	08/23/21 23:03	1
Copper	**15.5**		4.0	2.5	ug/L		08/21/21 19:50	08/23/21 23:03	1
Lead	**1.1**	**J**	1.2	0.84	ug/L		08/21/21 19:50	08/23/21 23:03	1
Manganese	**485**		8.0	1.5	ug/L		08/21/21 19:50	08/23/21 23:03	1
Nickel	**22.7**		4.0	0.91	ug/L		08/21/21 19:50	08/23/21 23:03	1
Selenium	2.5	U	2.5	0.59	ug/L		08/21/21 19:50	08/23/21 23:03	1
Silver	2.0	U	2.0	0.29	ug/L		08/21/21 19:50	08/23/21 23:03	1
Zinc	**37.3**		16.0	6.5	ug/L		08/21/21 19:50	08/23/21 23:03	1

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		08/25/21 22:20	08/26/21 00:15	1
Barium	**14.1**		4.0	0.91	ug/L		08/25/21 22:20	08/26/21 00:15	1
Beryllium	**0.41**	**J**	0.80	0.13	ug/L		08/25/21 22:20	08/26/21 00:15	1

Client Sample ID: ISP MW9-1

Date Collected: 08/18/21 14:25
Date Received: 08/19/21 19:00

Lab Sample ID: 460-241223-1

Matrix: Water

Method: 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	U	2.0	0.39	ug/L		08/25/21 22:20	08/26/21 00:15	1
Chromium	4.0	U	4.0	2.5	ug/L		08/25/21 22:20	08/26/21 00:15	1
Copper	**14.3**		4.0	2.5	ug/L		08/25/21 22:20	08/26/21 00:15	1
Lead	1.2	U	1.2	0.84	ug/L		08/25/21 22:20	08/26/21 00:15	1
Manganese	**469**		8.0	1.5	ug/L		08/25/21 22:20	08/26/21 00:15	1
Nickel	**22.8**		4.0	0.91	ug/L		08/25/21 22:20	08/26/21 00:15	1
Selenium	2.5	U	2.5	0.59	ug/L		08/25/21 22:20	08/26/21 00:15	1
Silver	2.0	U	2.0	0.29	ug/L		08/25/21 22:20	08/26/21 00:15	1
Zinc	**36.3**		16.0	6.5	ug/L		08/25/21 22:20	08/26/21 00:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/23/21 11:51	08/23/21 13:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/25/21 12:52	08/25/21 15:42	1

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Stephen Vlavianos	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-138699-89838.1
Client Contact: Ms. Xuan Xu	Phone: 516 404 6601	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: NY	Page: Page 1 of 1
Company: ARCADIS U.S., Inc.	PWSID:			Job #: 241224 NYC 222
Address: Two Huntington Quadrangle Suite 1S10	Due Date Requested:			
City: Melville	TAT Requested (days): PFAS = 10 days; Rest = 5 days			
State, Zip: NY, 11747	Compliance Project: Δ Yes Δ No			
Phone: 631-391-5235(Tel)	PO #: 30017855.AOC GW			
Email: xuan.xu@arcadis.com	WO #:			
Project Name: MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Custom TCL/NY Part 375 VOCs	8270E - TCL/NY Part 375 SVOCs	8270E_SIM_MS_ID - 1,4-Dioxane (waters only)	8081B - Custom TCL/NY Part 375 Pesticides	8082A - PCBs(7)	8151A - TCL Herbicides	6020B/7471B (7470A for water) - Custom Metals	PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N/A	N	N	N	N	N	D/N	N		
ISP MW-01	8/18/21	1000	G	W	X		X	X	X	X	X	X	X	X	17	Metals: Nitric Acid is unfiltered
FB081821	8/18/21	1530	G	W			X	X	X	X	X	X	X	X	16	unpreserved bott. is filtered
TB081821	8/18/21	—	G	W			X								2	Field blank metals
FRB081821	8/18/21	1535	G	W										X	2	were not filtered

Internal Comment
QA/QC samples
also go w/ ISP MW 4-1
and ISP MW 9-1

460-241224 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B & Equis Arcadis EDD

Special Instructions/QC Requirements: AFFF-impacted? Yes or No (circle one)

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Stephen Vlavianos	8/19/21	Arcadis		8/19/21 1110	
	8/19/21 1610			8/19/21 1700	
	8/19/21 1900			8/19/21 1900	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

26 21 IRQ 25 20 IRQ 23 20 IRQ 28 20 IRQ

Ver: 01/16/2019

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08/30/2021

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-62644.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-241224-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 8/31/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Long Island MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
ISP MW-01 (460-241224-1)	8/18/21	10:00 Eastern		Water			X	2	AFFF-impacted
FB081821 (460-241224-2)	8/18/21	15:30 Eastern		Water			X	2	AFFF-impacted
FRB081821 (460-241224-4)	8/18/21	15:35 Eastern		Water			X	2	AFFF-impacted

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 8/23/21 1730	Company: TAGI	Received by: [signature] 8/24/21	Date/Time: ~~8/25/21~~ 8/24/21 10:25	Company: ETASAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1474381 | Cooler Temperature(s) °C and Other Remarks: 0.9c

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.
Z	See case narrative notes for explanation of the 'Z' flag

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-241224-1

Client Sample ID: ISP MW-01

Date Collected: 08/18/21 10:00
Date Received: 08/19/21 19:00

Lab Sample ID: 460-241224-1

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U		1.0	0.24	ug/L			08/24/21 12:33	1
1,1-Dichloroethane	1.0	U		1.0	0.26	ug/L			08/24/21 12:33	1
1,1-Dichloroethene	1.0	U		1.0	0.26	ug/L			08/24/21 12:33	1
1,2,4-Trichlorobenzene	1.0	U		1.0	0.37	ug/L			08/24/21 12:33	1
1,2,4-Trimethylbenzene	1.0	U		1.0	0.37	ug/L			08/24/21 12:33	1
1,2-Dichlorobenzene	1.0	U		1.0	0.21	ug/L			08/24/21 12:33	1
1,2-Dichloroethane	1.0	U		1.0	0.43	ug/L			08/24/21 12:33	1
1,3,5-Trimethylbenzene	1.0	U		1.0	0.33	ug/L			08/24/21 12:33	1
1,3-Dichlorobenzene	1.0	U		1.0	0.34	ug/L			08/24/21 12:33	1
1,4-Dichlorobenzene	1.0	U		1.0	0.33	ug/L			08/24/21 12:33	1
2-Butanone (MEK)	5.0	U		5.0	1.9	ug/L			08/24/21 12:33	1
Acetone	5.0	U		5.0	4.4	ug/L			08/24/21 12:33	1
Benzene	1.0	U		1.0	0.20	ug/L			08/24/21 12:33	1
Carbon tetrachloride	1.0	U		1.0	0.21	ug/L			08/24/21 12:33	1
Chlorobenzene	1.0	U		1.0	0.38	ug/L			08/24/21 12:33	1
Chloroform	**1.3**			1.0	0.33	ug/L			08/24/21 12:33	1
Chloromethane	1.0	U	J	1.0	0.40	ug/L			08/24/21 12:33	1
cis-1,2-Dichloroethene	1.0	U		1.0	0.22	ug/L			08/24/21 12:33	1
Ethylbenzene	1.0	U		1.0	0.30	ug/L			08/24/21 12:33	1
Methyl tert-butyl ether	1.0	U		1.0	0.22	ug/L			08/24/21 12:33	1
Methylene Chloride	1.0	U		1.0	0.32	ug/L			08/24/21 12:33	1
m-Xylene & p-Xylene	1.0	U		1.0	0.30	ug/L			08/24/21 12:33	1
n-Butylbenzene	1.0	U		1.0	0.32	ug/L			08/24/21 12:33	1
N-Propylbenzene	1.0	U		1.0	0.32	ug/L			08/24/21 12:33	1
o-Xylene	1.0	U		1.0	0.36	ug/L			08/24/21 12:33	1
sec-Butylbenzene	1.0	U		1.0	0.37	ug/L			08/24/21 12:33	1
tert-Butylbenzene	1.0	U		1.0	0.34	ug/L			08/24/21 12:33	1
Tetrachloroethene	1.0	U		1.0	0.25	ug/L			08/24/21 12:33	1
Toluene	1.0	U		1.0	0.38	ug/L			08/24/21 12:33	1
trans-1,2-Dichloroethene	1.0	U		1.0	0.24	ug/L			08/24/21 12:33	1
Trichloroethene	1.0	U		1.0	0.31	ug/L			08/24/21 12:33	1
Vinyl chloride	1.0	U		1.0	0.17	ug/L			08/24/21 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*08/24/21 12:33*	*1*
4-Bromofluorobenzene	*106*		*76 - 120*		*08/24/21 12:33*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*08/24/21 12:33*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/24/21 12:33*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		08/21/21 08:04	08/21/21 22:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*38*		*10 - 150*	*08/21/21 08:04*	*08/21/21 22:33*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		08/21/21 07:38	08/22/21 02:23	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		08/21/21 07:38	08/22/21 02:23	1
Acenaphthene	10	U	10	1.1	ug/L		08/21/21 07:38	08/22/21 02:23	1

Client Sample ID: ISP MW-01 Lab Sample ID: 460-241224-1

Date Collected: 08/18/21 10:00 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	10	U	10	0.82	ug/L		08/21/21 07:38	08/22/21 02:23	1
Anthracene	10	U	10	1.3	ug/L		08/21/21 07:38	08/22/21 02:23	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		08/21/21 07:38	08/22/21 02:23	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		08/21/21 07:38	08/22/21 02:23	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		08/21/21 07:38	08/22/21 02:23	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		08/21/21 07:38	08/22/21 02:23	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		08/21/21 07:38	08/22/21 02:23	1
Chrysene	2.0	U	2.0	0.91	ug/L		08/21/21 07:38	08/22/21 02:23	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		08/21/21 07:38	08/22/21 02:23	1
Dibenzofuran	10	U	10	1.1	ug/L		08/21/21 07:38	08/22/21 02:23	1
Fluoranthene	10	U	10	0.84	ug/L		08/21/21 07:38	08/22/21 02:23	1
Fluorene	10	U	10	0.91	ug/L		08/21/21 07:38	08/22/21 02:23	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		08/21/21 07:38	08/22/21 02:23	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		08/21/21 07:38	08/22/21 02:23	1
Naphthalene	2.0	U	2.0	0.54	ug/L		08/21/21 07:38	08/22/21 02:23	1
Pentachlorophenol	20	U	20	1.4	ug/L		08/21/21 07:38	08/22/21 02:23	1
Phenanthrene	10	U	10	1.3	ug/L		08/21/21 07:38	08/22/21 02:23	1
Phenol	10	U	10	0.29	ug/L		08/21/21 07:38	08/22/21 02:23	1
Pyrene	10	U	10	1.6	ug/L		08/21/21 07:38	08/22/21 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*118*		*33 - 150*	*08/21/21 07:38*	*08/22/21 02:23*	*1*
2-Fluorobiphenyl	*102*		*42 - 127*	*08/21/21 07:38*	*08/22/21 02:23*	*1*
2-Fluorophenol (Surr)	*66*		*18 - 72*	*08/21/21 07:38*	*08/22/21 02:23*	*1*
Nitrobenzene-d5 (Surr)	*107*		*46 - 137*	*08/21/21 07:38*	*08/22/21 02:23*	*1*
Phenol-d5 (Surr)	*54*	*	*10 - 50*	*08/21/21 07:38*	*08/22/21 02:23*	*1*
Terphenyl-d14 (Surr)	*131*		*39 - 150*	*08/21/21 07:38*	*08/22/21 02:23*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		08/22/21 08:49	08/23/21 10:26	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:26	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:26	1
Aldrin	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:26	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		08/22/21 08:49	08/23/21 10:26	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:26	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:26	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		08/22/21 08:49	08/23/21 10:26	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:26	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:26	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:26	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		08/22/21 08:49	08/23/21 10:26	1
Endrin	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:26	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		08/22/21 08:49	08/23/21 10:26	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		08/22/21 08:49	08/23/21 10:26	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		08/22/21 08:49	08/23/21 10:26	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:26	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		08/22/21 08:49	08/23/21 10:26	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:26	1
Toxaphene	0.50	U	0.50	0.11	ug/L		08/22/21 08:49	08/23/21 10:26	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-241224-1

Client Sample ID: ISP MW-01

Date Collected: 08/18/21 10:00
Date Received: 08/19/21 19:00

Lab Sample ID: 460-241224-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:26*	*1*
DCB Decachlorobiphenyl	*67*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:26*	*1*
Tetrachloro-m-xylene	*61*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:26*	*1*
Tetrachloro-m-xylene	*56*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:26*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:02	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:02	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:02	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:02	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:02	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		08/22/21 08:54	08/24/21 07:02	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		08/22/21 08:54	08/24/21 07:02	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*10 - 138*	*08/22/21 08:54*	*08/24/21 07:02*	*1*
DCB Decachlorobiphenyl	*59*		*10 - 138*	*08/22/21 08:54*	*08/24/21 07:02*	*1*
Tetrachloro-m-xylene	*50*		*10 - 150*	*08/22/21 08:54*	*08/24/21 07:02*	*1*
Tetrachloro-m-xylene	*56*		*10 - 150*	*08/22/21 08:54*	*08/24/21 07:02*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		08/22/21 06:31	08/23/21 09:20	1
2,4-D	1.2	U	1.2	0.13	ug/L		08/22/21 06:31	08/23/21 09:20	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		08/22/21 06:31	08/23/21 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*92*		*28 - 150*	*08/22/21 06:31*	*08/23/21 09:20*	*1*
2,4-Dichlorophenylacetic acid	*99*		*28 - 150*	*08/22/21 06:31*	*08/23/21 09:20*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**9.75**		4.17	2.00	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluoropentanoic acid (PFPeA)	**6.49**		1.67	0.41	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorohexanoic acid (PFHxA)	**6.55**		1.67	0.48	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluoroheptanoic acid (PFHpA)	**2.71**		1.67	0.21	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorooctanoic acid (PFOA)	**5.19**		1.67	0.71	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorononanoic acid (PFNA)	**0.25**	**J**	1.67	0.23	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorodecanoic acid (PFDA)	1.67	U	1.67	0.26	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluoroundecanoic acid (PFUnA)	1.67	U	1.67	0.92	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorododecanoic acid (PFDoA)	1.67	U	1.67	0.46	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorotridecanoic acid (PFTriA)	1.67	U	1.67	1.08	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorotetradecanoic acid (PFTeA)	1.67	U	1.67	0.61	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorobutanesulfonic acid (PFBS)	**1.51**	**J**	1.67	0.17	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorohexanesulfonic acid (PFHxS)	**4.46**	~~Z~~ J	1.67	0.48	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.67	U	1.67	0.16	ng/L		08/24/21 19:07	08/26/21 23:08	1

Client Sample ID: ISP MW-01 Lab Sample ID: 460-241224-1

Date Collected: 08/18/21 10:00 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**5.71**		1.67	0.45	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorodecanesulfonic acid (PFDS)	1.67	U	1.67	0.27	ng/L		08/24/21 19:07	08/26/21 23:08	1
Perfluorooctanesulfonamide (FOSA)	1.67	U	1.67	0.82	ng/L		08/24/21 19:07	08/26/21 23:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.17	U	4.17	1.00	ng/L		08/24/21 19:07	08/26/21 23:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.17	U	4.17	1.08	ng/L		08/24/21 19:07	08/26/21 23:08	1
6:2 FTS	4.17	U	4.17	2.08	ng/L		08/24/21 19:07	08/26/21 23:08	1
8:2 FTS	1.67	U	1.67	0.38	ng/L		08/24/21 19:07	08/26/21 23:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C5 PFPeA	*83*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C2 PFHxA	*85*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C4 PFHpA	*86*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C4 PFOA	*89*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C5 PFNA	*95*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C2 PFDA	*92*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C2 PFUnA	*90*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C2 PFDoA	*85*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C3 PFBS	*92*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
18O2 PFHxS	*84*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C4 PFOS	*80*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
13C8 FOSA	*77*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
d5-NEtFOSAA	*75*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
M2-6:2 FTS	*131*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*
M2-8:2 FTS	*104*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:08*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		08/21/21 19:50	08/23/21 23:07	1
Barium	**94.6**		4.0	0.91	ug/L		08/21/21 19:50	08/23/21 23:07	1
Beryllium	0.80	U	0.80	0.13	ug/L		08/21/21 19:50	08/23/21 23:07	1
Cadmium	2.0	U	2.0	0.39	ug/L		08/21/21 19:50	08/23/21 23:07	1
Chromium	**4.0**		4.0	2.5	ug/L		08/21/21 19:50	08/23/21 23:07	1
Copper	**10.3**		4.0	2.5	ug/L		08/21/21 19:50	08/23/21 23:07	1
Lead	1.2	U	1.2	0.84	ug/L		08/21/21 19:50	08/23/21 23:07	1
Manganese	**202**		8.0	1.5	ug/L		08/21/21 19:50	08/23/21 23:07	1
Nickel	**3.4**	**J**	4.0	0.91	ug/L		08/21/21 19:50	08/23/21 23:07	1
Selenium	**0.87**	**J**	2.5	0.59	ug/L		08/21/21 19:50	08/23/21 23:07	1
Silver	2.0	U	2.0	0.29	ug/L		08/21/21 19:50	08/23/21 23:07	1
Zinc	16.0	U	16.0	6.5	ug/L		08/21/21 19:50	08/23/21 23:07	1

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		08/25/21 22:20	08/26/21 00:17	1
Barium	**95.5**		4.0	0.91	ug/L		08/25/21 22:20	08/26/21 00:17	1
Beryllium	0.80	U	0.80	0.13	ug/L		08/25/21 22:20	08/26/21 00:17	1

Client Sample ID: ISP MW-01 — Lab Sample ID: 460-241224-1

Date Collected: 08/18/21 10:00 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	U	2.0	0.39	ug/L		08/25/21 22:20	08/26/21 00:17	1
Chromium	4.0	U	4.0	2.5	ug/L		08/25/21 22:20	08/26/21 00:17	1
Copper	**5.6**		4.0	2.5	ug/L		08/25/21 22:20	08/26/21 00:17	1
Lead	1.2	U	1.2	0.84	ug/L		08/25/21 22:20	08/26/21 00:17	1
Manganese	**190**		8.0	1.5	ug/L		08/25/21 22:20	08/26/21 00:17	1
Nickel	**3.4**	**J**	4.0	0.91	ug/L		08/25/21 22:20	08/26/21 00:17	1
Selenium	**0.88**	**J**	2.5	0.59	ug/L		08/25/21 22:20	08/26/21 00:17	1
Silver	2.0	U	2.0	0.29	ug/L		08/25/21 22:20	08/26/21 00:17	1
Zinc	16.0	U	16.0	6.5	ug/L		08/25/21 22:20	08/26/21 00:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/23/21 11:51	08/23/21 13:45	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/25/21 12:52	08/25/21 15:43	1

Client Sample ID: FB081821 — Lab Sample ID: 460-241224-2

Date Collected: 08/18/21 15:30 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			08/24/21 10:26	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			08/24/21 10:26	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/24/21 10:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			08/24/21 10:26	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/24/21 10:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			08/24/21 10:26	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			08/24/21 10:26	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			08/24/21 10:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			08/24/21 10:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/24/21 10:26	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			08/24/21 10:26	1
Acetone	**18**		5.0	4.4	ug/L			08/24/21 10:26	1
Benzene	1.0	U	1.0	0.20	ug/L			08/24/21 10:26	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			08/24/21 10:26	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/24/21 10:26	1
Chloroform	1.0	U	1.0	0.33	ug/L			08/24/21 10:26	1
Chloromethane	1.0	U J	1.0	0.40	ug/L			08/24/21 10:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			08/24/21 10:26	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/24/21 10:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/24/21 10:26	1
Methylene Chloride	**0.38**	**J**	1.0	0.32	ug/L			08/24/21 10:26	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			08/24/21 10:26	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			08/24/21 10:26	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			08/24/21 10:26	1
o-Xylene	1.0	U	1.0	0.36	ug/L			08/24/21 10:26	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			08/24/21 10:26	1

Client Sample ID: FB081821 Lab Sample ID: 460-241224-2

Date Collected: 08/18/21 15:30 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			08/24/21 10:26	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			08/24/21 10:26	1
Toluene	1.0	U	1.0	0.38	ug/L			08/24/21 10:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			08/24/21 10:26	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			08/24/21 10:26	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			08/24/21 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*08/24/21 10:26*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*08/24/21 10:26*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*08/24/21 10:26*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/24/21 10:26*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		08/21/21 08:04	08/21/21 22:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*36*		*10 - 150*	*08/21/21 08:04*	*08/21/21 22:49*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		08/22/21 17:29	08/23/21 19:01	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		08/22/21 17:29	08/23/21 19:01	1
Acenaphthene	10	U	10	1.1	ug/L		08/22/21 17:29	08/23/21 19:01	1
Acenaphthylene	10	U	10	0.82	ug/L		08/22/21 17:29	08/23/21 19:01	1
Anthracene	10	U	10	1.3	ug/L		08/22/21 17:29	08/23/21 19:01	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		08/22/21 17:29	08/23/21 19:01	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		08/22/21 17:29	08/23/21 19:01	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		08/22/21 17:29	08/23/21 19:01	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		08/22/21 17:29	08/23/21 19:01	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		08/22/21 17:29	08/23/21 19:01	1
Chrysene	2.0	U	2.0	0.91	ug/L		08/22/21 17:29	08/23/21 19:01	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		08/22/21 17:29	08/23/21 19:01	1
Dibenzofuran	10	U	10	1.1	ug/L		08/22/21 17:29	08/23/21 19:01	1
Fluoranthene	10	U	10	0.84	ug/L		08/22/21 17:29	08/23/21 19:01	1
Fluorene	10	U	10	0.91	ug/L		08/22/21 17:29	08/23/21 19:01	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		08/22/21 17:29	08/23/21 19:01	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		08/22/21 17:29	08/23/21 19:01	1
Naphthalene	2.0	U	2.0	0.54	ug/L		08/22/21 17:29	08/23/21 19:01	1
Pentachlorophenol	20	U	20	1.4	ug/L		08/22/21 17:29	08/23/21 19:01	1
Phenanthrene	10	U	10	1.3	ug/L		08/22/21 17:29	08/23/21 19:01	1
Phenol	10	U	10	0.29	ug/L		08/22/21 17:29	08/23/21 19:01	1
Pyrene	10	U *	10	1.6	ug/L		08/22/21 17:29	08/23/21 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*33 - 150*	*08/22/21 17:29*	*08/23/21 19:01*	*1*
2-Fluorobiphenyl	*88*		*42 - 127*	*08/22/21 17:29*	*08/23/21 19:01*	*1*
2-Fluorophenol (Surr)	*54*		*18 - 72*	*08/22/21 17:29*	*08/23/21 19:01*	*1*
Nitrobenzene-d5 (Surr)	*88*		*46 - 137*	*08/22/21 17:29*	*08/23/21 19:01*	*1*
Phenol-d5 (Surr)	*32*		*10 - 50*	*08/22/21 17:29*	*08/23/21 19:01*	*1*

Client Sample ID: FB081821 Lab Sample ID: 460-241224-2

Date Collected: 08/18/21 15:30 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	121		39 - 150	08/22/21 17:29	08/23/21 19:01	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		08/22/21 08:49	08/23/21 10:41	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:41	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:41	1
Aldrin	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:41	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		08/22/21 08:49	08/23/21 10:41	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:41	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:41	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		08/22/21 08:49	08/23/21 10:41	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:41	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:41	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:41	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		08/22/21 08:49	08/23/21 10:41	1
Endrin	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:41	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		08/22/21 08:49	08/23/21 10:41	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		08/22/21 08:49	08/23/21 10:41	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		08/22/21 08:49	08/23/21 10:41	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:41	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		08/22/21 08:49	08/23/21 10:41	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:41	1
Toxaphene	0.50	U	0.50	0.11	ug/L		08/22/21 08:49	08/23/21 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		10 - 150	08/22/21 08:49	08/23/21 10:41	1
DCB Decachlorobiphenyl	73		10 - 150	08/22/21 08:49	08/23/21 10:41	1
Tetrachloro-m-xylene	61		10 - 150	08/22/21 08:49	08/23/21 10:41	1
Tetrachloro-m-xylene	66		10 - 150	08/22/21 08:49	08/23/21 10:41	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:19	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:19	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:19	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:19	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:19	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		08/22/21 08:54	08/24/21 07:19	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		08/22/21 08:54	08/24/21 07:19	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		10 - 138	08/22/21 08:54	08/24/21 07:19	1
DCB Decachlorobiphenyl	72		10 - 138	08/22/21 08:54	08/24/21 07:19	1
Tetrachloro-m-xylene	63		10 - 150	08/22/21 08:54	08/24/21 07:19	1
Tetrachloro-m-xylene	72		10 - 150	08/22/21 08:54	08/24/21 07:19	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-241224-1

Client Sample ID: FB081821

Date Collected: 08/18/21 15:30
Date Received: 08/19/21 19:00

Lab Sample ID: 460-241224-2

Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		08/22/21 06:31	08/23/21 09:34	1
2,4-D	1.2	U	1.2	0.13	ug/L		08/22/21 06:31	08/23/21 09:34	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		08/22/21 06:31	08/23/21 09:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*50*		*28 - 150*	*08/22/21 06:31*	*08/23/21 09:34*	*1*
2,4-Dichlorophenylacetic acid	*49*		*28 - 150*	*08/22/21 06:31*	*08/23/21 09:34*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.15	U	4.15	1.99	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluoropentanoic acid (PFPeA)	1.66	U	1.66	0.41	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorohexanoic acid (PFHxA)	1.66	U	1.66	0.48	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluoroheptanoic acid (PFHpA)	1.66	U	1.66	0.21	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorooctanoic acid (PFOA)	1.66	U	1.66	0.71	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorononanoic acid (PFNA)	1.66	U	1.66	0.22	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorodecanoic acid (PFDA)	1.66	U	1.66	0.26	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluoroundecanoic acid (PFUnA)	1.66	U	1.66	0.91	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorododecanoic acid (PFDoA)	1.66	U	1.66	0.46	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorotridecanoic acid (PFTriA)	1.66	U	1.66	1.08	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorotetradecanoic acid (PFTeA)	1.66	U	1.66	0.61	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorobutanesulfonic acid (PFBS)	1.66	U	1.66	0.17	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorohexanesulfonic acid (PFHxS)	1.66	U	1.66	0.47	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.66	U	1.66	0.16	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorooctanesulfonic acid (PFOS)	1.66	U	1.66	0.45	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorodecanesulfonic acid (PFDS)	1.66	U	1.66	0.27	ng/L		08/24/21 19:07	08/25/21 23:33	1
Perfluorooctanesulfonamide (FOSA)	1.66	U	1.66	0.81	ng/L		08/24/21 19:07	08/25/21 23:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.15	U	4.15	1.0	ng/L		08/24/21 19:07	08/25/21 23:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.15	U	4.15	1.08	ng/L		08/24/21 19:07	08/25/21 23:33	1
6:2 FTS	4.15	U	4.15	2.08	ng/L		08/24/21 19:07	08/25/21 23:33	1
8:2 FTS	1.66	U	1.66	0.38	ng/L		08/24/21 19:07	08/25/21 23:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C5 PFPeA	*85*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C2 PFHxA	*85*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C4 PFHpA	*92*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C4 PFOA	*94*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C5 PFNA	*94*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C2 PFDA	*100*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C2 PFUnA	*97*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C2 PFDoA	*100*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C2 PFTeDA	*114*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C3 PFBS	*99*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
18O2 PFHxS	*93*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C4 PFOS	*87*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
13C8 FOSA	*88*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
d3-NMeFOSAA	*70*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*

Client Sample ID: FB081821 — Lab Sample ID: 460-241224-2

Date Collected: 08/18/21 15:30 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*77*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
M2-6:2 FTS	*87*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*08/24/21 19:07*	*08/25/21 23:33*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		08/21/21 19:50	08/23/21 23:12	1
Barium	4.0	U	4.0	0.91	ug/L		08/21/21 19:50	08/23/21 23:12	1
Beryllium	0.80	U	0.80	0.13	ug/L		08/21/21 19:50	08/23/21 23:12	1
Cadmium	2.0	U	2.0	0.39	ug/L		08/21/21 19:50	08/23/21 23:12	1
Chromium	4.0	U	4.0	2.5	ug/L		08/21/21 19:50	08/23/21 23:12	1
Copper	4.0	U	4.0	2.5	ug/L		08/21/21 19:50	08/23/21 23:12	1
Lead	1.2	U	1.2	0.84	ug/L		08/21/21 19:50	08/23/21 23:12	1
Manganese	8.0	U	8.0	1.5	ug/L		08/21/21 19:50	08/23/21 23:12	1
Nickel	4.0	U	4.0	0.91	ug/L		08/21/21 19:50	08/23/21 23:12	1
Selenium	2.5	U	2.5	0.59	ug/L		08/21/21 19:50	08/23/21 23:12	1
Silver	2.0	U	2.0	0.29	ug/L		08/21/21 19:50	08/23/21 23:12	1
Zinc	**10.1**	**J**	16.0	6.5	ug/L		08/21/21 19:50	08/23/21 23:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/23/21 11:51	08/23/21 13:50	1

Client Sample ID: TB081821 — Lab Sample ID: 460-241224-3

Date Collected: 08/18/21 00:00 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			08/24/21 10:47	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			08/24/21 10:47	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/24/21 10:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			08/24/21 10:47	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/24/21 10:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			08/24/21 10:47	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			08/24/21 10:47	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			08/24/21 10:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			08/24/21 10:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/24/21 10:47	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			08/24/21 10:47	1
Acetone	5.0	U	5.0	4.4	ug/L			08/24/21 10:47	1
Benzene	1.0	U	1.0	0.20	ug/L			08/24/21 10:47	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			08/24/21 10:47	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/24/21 10:47	1
Chloroform	1.0	U	1.0	0.33	ug/L			08/24/21 10:47	1
Chloromethane	1.0	U J	1.0	0.40	ug/L			08/24/21 10:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			08/24/21 10:47	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/24/21 10:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/24/21 10:47	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			08/24/21 10:47	1

Client Sample ID: TB081821 — Lab Sample ID: 460-241224-3

Date Collected: 08/18/21 00:00 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			08/24/21 10:47	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			08/24/21 10:47	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			08/24/21 10:47	1
o-Xylene	1.0	U	1.0	0.36	ug/L			08/24/21 10:47	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			08/24/21 10:47	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			08/24/21 10:47	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			08/24/21 10:47	1
Toluene	1.0	U	1.0	0.38	ug/L			08/24/21 10:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			08/24/21 10:47	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			08/24/21 10:47	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			08/24/21 10:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*08/24/21 10:47*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*08/24/21 10:47*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*08/24/21 10:47*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/24/21 10:47*	*1*

Client Sample ID: FRB081821 — Lab Sample ID: 460-241224-4

Date Collected: 08/18/21 15:35 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.15	U	4.15	1.99	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluoropentanoic acid (PFPeA)	1.66	U	1.66	0.41	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorohexanoic acid (PFHxA)	1.66	U	1.66	0.48	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluoroheptanoic acid (PFHpA)	1.66	U	1.66	0.21	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorooctanoic acid (PFOA)	1.66	U	1.66	0.71	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorononanoic acid (PFNA)	1.66	U	1.66	0.22	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorodecanoic acid (PFDA)	1.66	U	1.66	0.26	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluoroundecanoic acid (PFUnA)	1.66	U	1.66	0.91	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorododecanoic acid (PFDoA)	1.66	U	1.66	0.46	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorotridecanoic acid (PFTriA)	1.66	U	1.66	1.08	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorotetradecanoic acid (PFTeA)	1.66	U	1.66	0.61	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorobutanesulfonic acid (PFBS)	1.66	U	1.66	0.17	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorohexanesulfonic acid (PFHxS)	1.66	U	1.66	0.47	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.66	U	1.66	0.16	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorooctanesulfonic acid (PFOS)	1.66	U	1.66	0.45	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorodecanesulfonic acid (PFDS)	1.66	U	1.66	0.27	ng/L		08/24/21 19:07	08/26/21 00:01	1
Perfluorooctanesulfonamide (FOSA)	1.66	U	1.66	0.81	ng/L		08/24/21 19:07	08/26/21 00:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.15	U	4.15	1.0	ng/L		08/24/21 19:07	08/26/21 00:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.15	U	4.15	1.08	ng/L		08/24/21 19:07	08/26/21 00:01	1
6:2 FTS	4.15	U	4.15	2.08	ng/L		08/24/21 19:07	08/26/21 00:01	1
8:2 FTS	1.66	U	1.66	0.38	ng/L		08/24/21 19:07	08/26/21 00:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*08/24/21 19:07*	*08/26/21 00:01*	*1*
13C5 PFPeA	*84*		*25 - 150*	*08/24/21 19:07*	*08/26/21 00:01*	*1*

Client Sample ID: FRB081821

Lab Sample ID: 460-241224-4

Date Collected: 08/18/21 15:35

Matrix: Water

Date Received: 08/19/21 19:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	86		25 - 150	08/24/21 19:07	08/26/21 00:01	1
13C4 PFHpA	94		25 - 150	08/24/21 19:07	08/26/21 00:01	1
13C4 PFOA	92		25 - 150	08/24/21 19:07	08/26/21 00:01	1
13C5 PFNA	97		25 - 150	08/24/21 19:07	08/26/21 00:01	1
13C2 PFDA	101		25 - 150	08/24/21 19:07	08/26/21 00:01	1
13C2 PFUnA	101		25 - 150	08/24/21 19:07	08/26/21 00:01	1
13C2 PFDoA	102		25 - 150	08/24/21 19:07	08/26/21 00:01	1
13C2 PFTeDA	114		25 - 150	08/24/21 19:07	08/26/21 00:01	1
13C3 PFBS	99		25 - 150	08/24/21 19:07	08/26/21 00:01	1
18O2 PFHxS	90		25 - 150	08/24/21 19:07	08/26/21 00:01	1
13C4 PFOS	89		25 - 150	08/24/21 19:07	08/26/21 00:01	1
13C8 FOSA	87		25 - 150	08/24/21 19:07	08/26/21 00:01	1
d3-NMeFOSAA	68		25 - 150	08/24/21 19:07	08/26/21 00:01	1
d5-NEtFOSAA	78		25 - 150	08/24/21 19:07	08/26/21 00:01	1
M2-6:2 FTS	87		25 - 150	08/24/21 19:07	08/26/21 00:01	1
M2-8:2 FTS	90		25 - 150	08/24/21 19:07	08/26/21 00:01	1

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Stephen Vlavianos	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-138699/39[illegible] NYC
Client Contact: Ms. Xuan Xu	Phone: 516 404 6601	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: NY	Page: Page of 2 2
Company: ARCADIS U.S., Inc.	PWSID:			Job #: 241225
Address: Two Huntington Quadrangle Suite 1S10	Due Date Requested:			
City: Melville	TAT Requested (days): PFAS = 10 days; Rest = 5 days			
State, Zip: NY, 11747	Compliance Project: Δ Yes Δ No			
Phone: 631-391-5235(Tel)	PO #: 30017855.AOC GW			
Email: xuan.xu@arcadis.com	WO #:			
Project Name: MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Custom TCL/NY Part 375 VOCs	8270E - TCL/NY Part 375 SVOCs	8270E_SIM_MS_ID - 1,4-Dioxane (waters only)	8081B - Custom TCL/NY Part 375 Pesticides	8082A - PCBs(7)	8151A - TCL Herbicides	6020B/7471B (7470A for water) - Custom Metals	PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N/A	N	N	N	N	N	D/N	N		
REP081821	8/18/21	—	G	W	N	N	X	X	X	X	X	X	X	X	17	Metals: Nitric Acid in unfilter unpreserved bott. filtered

460-241225 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B & Equis Arcadis EDD

Special Instructions/QC Requirements: AFFF-impacted? Yes or No (circle one)

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Stephen Vlavianos	8/18/21	Arcadis	[illegible]	8/19/21 1110	[illegible]
[illegible]	8/19/21 1610	[illegible]	[illegible]	8/19/21 1700	[illegible]
Jamal	8/19/21 1900		[illegible]	8/19/21 1900	TN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

2.6 21 TRA 2.5 20 TRA 2.5 20 TRA 2.5 20 TRA

Ver: 01/16/2019

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-62644.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-241225-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 8/31/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Long Island MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
REP081821 (460-241225-1)	8/18/21	Eastern		Water			X	2	AFFF-impacted

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 8/23/21 1730	Company: TAGD	Received by: [signature]	Date/Time: ~~8/25/21~~ 8/24/21 10:25	Company: ELASAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 1474381

Cooler Temperature(s) °C and Other Remarks: 0.9C

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.
Z	See case narrative notes for explanation of the 'Z' flag

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-241225-1

Client Sample ID: REP081821

Date Collected: 08/18/21 00:00
Date Received: 08/19/21 19:00

Lab Sample ID: 460-241225-1

Matrix: Water

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			08/24/21 12:54	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			08/24/21 12:54	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/24/21 12:54	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			08/24/21 12:54	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/24/21 12:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			08/24/21 12:54	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			08/24/21 12:54	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			08/24/21 12:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			08/24/21 12:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/24/21 12:54	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			08/24/21 12:54	1
Acetone	5.0	U	5.0	4.4	ug/L			08/24/21 12:54	1
Benzene	1.0	U	1.0	0.20	ug/L			08/24/21 12:54	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			08/24/21 12:54	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/24/21 12:54	1
Chloroform	1.0	U	1.0	0.33	ug/L			08/24/21 12:54	1
Chloromethane	1.0	U J	1.0	0.40	ug/L			08/24/21 12:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			08/24/21 12:54	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/24/21 12:54	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/24/21 12:54	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			08/24/21 12:54	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			08/24/21 12:54	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			08/24/21 12:54	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			08/24/21 12:54	1
o-Xylene	1.0	U	1.0	0.36	ug/L			08/24/21 12:54	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			08/24/21 12:54	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			08/24/21 12:54	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			08/24/21 12:54	1
Toluene	1.0	U	1.0	0.38	ug/L			08/24/21 12:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			08/24/21 12:54	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			08/24/21 12:54	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			08/24/21 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*08/24/21 12:54*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*08/24/21 12:54*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*08/24/21 12:54*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/24/21 12:54*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		08/21/21 08:04	08/21/21 23:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*40*		*10 - 150*	*08/21/21 08:04*	*08/21/21 23:04*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		08/22/21 17:29	08/23/21 19:22	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		08/22/21 17:29	08/23/21 19:22	1
Acenaphthene	10	U	10	1.1	ug/L		08/22/21 17:29	08/23/21 19:22	1

Client Sample ID: REP081821 Lab Sample ID: 460-241225-1

Date Collected: 08/18/21 00:00 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	10	U	10	0.82	ug/L		08/22/21 17:29	08/23/21 19:22	1
Anthracene	10	U	10	1.3	ug/L		08/22/21 17:29	08/23/21 19:22	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		08/22/21 17:29	08/23/21 19:22	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		08/22/21 17:29	08/23/21 19:22	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		08/22/21 17:29	08/23/21 19:22	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		08/22/21 17:29	08/23/21 19:22	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		08/22/21 17:29	08/23/21 19:22	1
Chrysene	2.0	U	2.0	0.91	ug/L		08/22/21 17:29	08/23/21 19:22	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		08/22/21 17:29	08/23/21 19:22	1
Dibenzofuran	10	U	10	1.1	ug/L		08/22/21 17:29	08/23/21 19:22	1
Fluoranthene	10	U	10	0.84	ug/L		08/22/21 17:29	08/23/21 19:22	1
Fluorene	10	U	10	0.91	ug/L		08/22/21 17:29	08/23/21 19:22	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		08/22/21 17:29	08/23/21 19:22	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		08/22/21 17:29	08/23/21 19:22	1
Naphthalene	2.0	U	2.0	0.54	ug/L		08/22/21 17:29	08/23/21 19:22	1
Pentachlorophenol	20	U	20	1.4	ug/L		08/22/21 17:29	08/23/21 19:22	1
Phenanthrene	10	U	10	1.3	ug/L		08/22/21 17:29	08/23/21 19:22	1
Phenol	10	U	10	0.29	ug/L		08/22/21 17:29	08/23/21 19:22	1
Pyrene	10	U *	10	1.6	ug/L		08/22/21 17:29	08/23/21 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*33 - 150*	*08/22/21 17:29*	*08/23/21 19:22*	*1*
2-Fluorobiphenyl	*84*		*42 - 127*	*08/22/21 17:29*	*08/23/21 19:22*	*1*
2-Fluorophenol (Surr)	*43*		*18 - 72*	*08/22/21 17:29*	*08/23/21 19:22*	*1*
Nitrobenzene-d5 (Surr)	*84*		*46 - 137*	*08/22/21 17:29*	*08/23/21 19:22*	*1*
Phenol-d5 (Surr)	*25*		*10 - 50*	*08/22/21 17:29*	*08/23/21 19:22*	*1*
Terphenyl-d14 (Surr)	*102*		*39 - 150*	*08/22/21 17:29*	*08/23/21 19:22*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		08/22/21 08:49	08/23/21 10:55	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:55	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:55	1
Aldrin	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:55	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		08/22/21 08:49	08/23/21 10:55	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:55	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:55	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		08/22/21 08:49	08/23/21 10:55	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:55	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		08/22/21 08:49	08/23/21 10:55	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:55	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		08/22/21 08:49	08/23/21 10:55	1
Endrin	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:55	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		08/22/21 08:49	08/23/21 10:55	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		08/22/21 08:49	08/23/21 10:55	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		08/22/21 08:49	08/23/21 10:55	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		08/22/21 08:49	08/23/21 10:55	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		08/22/21 08:49	08/23/21 10:55	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		08/22/21 08:49	08/23/21 10:55	1
Toxaphene	0.50	U	0.50	0.11	ug/L		08/22/21 08:49	08/23/21 10:55	1

Client Sample ID: REP081821 — Lab Sample ID: 460-241225-1

Date Collected: 08/18/21 00:00 **Matrix: Water**
Date Received: 08/19/21 19:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:55*	*1*
DCB Decachlorobiphenyl	*73*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:55*	*1*
Tetrachloro-m-xylene	*61*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:55*	*1*
Tetrachloro-m-xylene	*59*		*10 - 150*	*08/22/21 08:49*	*08/23/21 10:55*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:35	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:35	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:35	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:35	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:35	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		08/22/21 08:54	08/24/21 07:35	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		08/22/21 08:54	08/24/21 07:35	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		08/22/21 08:54	08/24/21 07:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*10 - 138*	*08/22/21 08:54*	*08/24/21 07:35*	*1*
DCB Decachlorobiphenyl	*96*		*10 - 138*	*08/22/21 08:54*	*08/24/21 07:35*	*1*
Tetrachloro-m-xylene	*79*		*10 - 150*	*08/22/21 08:54*	*08/24/21 07:35*	*1*
Tetrachloro-m-xylene	*90*		*10 - 150*	*08/22/21 08:54*	*08/24/21 07:35*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		08/22/21 06:31	08/23/21 09:47	1
2,4-D	1.2	U	1.2	0.13	ug/L		08/22/21 06:31	08/23/21 09:47	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		08/22/21 06:31	08/23/21 09:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*28 - 150*	*08/22/21 06:31*	*08/23/21 09:47*	*1*
2,4-Dichlorophenylacetic acid	*79*		*28 - 150*	*08/22/21 06:31*	*08/23/21 09:47*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**8.72**		4.05	1.94	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluoropentanoic acid (PFPeA)	**7.35**		1.62	0.40	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorohexanoic acid (PFHxA)	**10.5**		1.62	0.47	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluoroheptanoic acid (PFHpA)	**6.03**		1.62	0.20	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorooctanoic acid (PFOA)	**19.8**		1.62	0.69	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorononanoic acid (PFNA)	**1.01**	**J**	1.62	0.22	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorodecanoic acid (PFDA)	**0.40**	**J**	1.62	0.25	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluoroundecanoic acid (PFUnA)	1.62	U	1.62	0.89	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorododecanoic acid (PFDoA)	1.62	U	1.62	0.45	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorotridecanoic acid (PFTriA)	1.62	U	1.62	1.05	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorotetradecanoic acid (PFTeA)	1.62	U	1.62	0.59	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorobutanesulfonic acid (PFBS)	**2.79**		1.62	0.16	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorohexanesulfonic acid (PFHxS)	**36.2**		1.62	0.46	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.35**	**J** ~~Z~~	1.62	0.15	ng/L		08/24/21 19:07	08/26/21 23:17	1

Client Sample ID: REP081821 Lab Sample ID: 460-241225-1

Date Collected: 08/18/21 00:00 **Matrix: Water**
Date Received: 08/19/21 19:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**11.9**		1.62	0.44	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorodecanesulfonic acid (PFDS)	1.62	U	1.62	0.26	ng/L		08/24/21 19:07	08/26/21 23:17	1
Perfluorooctanesulfonamide (FOSA)	1.62	U	1.62	0.79	ng/L		08/24/21 19:07	08/26/21 23:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.05	U	4.05	0.97	ng/L		08/24/21 19:07	08/26/21 23:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.05	U	4.05	1.05	ng/L		08/24/21 19:07	08/26/21 23:17	1
6:2 FTS	4.05	U	4.05	2.02	ng/L		08/24/21 19:07	08/26/21 23:17	1
8:2 FTS	1.62	U	1.62	0.37	ng/L		08/24/21 19:07	08/26/21 23:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C5 PFPeA	*77*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C2 PFHxA	*84*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C4 PFHpA	*92*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C4 PFOA	*84*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C5 PFNA	*84*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C2 PFDA	*86*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C2 PFUnA	*78*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C2 PFDoA	*77*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C2 PFTeDA	*106*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C3 PFBS	*103*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
18O2 PFHxS	*88*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C4 PFOS	*70*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
13C8 FOSA	*77*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
d3-NMeFOSAA	*57*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
d5-NEtFOSAA	*54*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*08/24/21 19:07*	*08/26/21 23:17*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		08/21/21 19:50	08/23/21 23:19	1
Barium	**13.9**		4.0	0.91	ug/L		08/21/21 19:50	08/23/21 23:19	1
Beryllium	**0.45**	**J**	0.80	0.13	ug/L		08/21/21 19:50	08/23/21 23:19	1
Cadmium	2.0	U	2.0	0.39	ug/L		08/21/21 19:50	08/23/21 23:19	1
Chromium	**3.8**	**J**	4.0	2.5	ug/L		08/21/21 19:50	08/23/21 23:19	1
Copper	**17.1**		4.0	2.5	ug/L		08/21/21 19:50	08/23/21 23:19	1
Lead	**1.1**	**J**	1.2	0.84	ug/L		08/21/21 19:50	08/23/21 23:19	1
Manganese	**484**		8.0	1.5	ug/L		08/21/21 19:50	08/23/21 23:19	1
Nickel	**22.5**		4.0	0.91	ug/L		08/21/21 19:50	08/23/21 23:19	1
Selenium	2.5	U	2.5	0.59	ug/L		08/21/21 19:50	08/23/21 23:19	1
Silver	2.0	U	2.0	0.29	ug/L		08/21/21 19:50	08/23/21 23:19	1
Zinc	**40.4**		16.0	6.5	ug/L		08/21/21 19:50	08/23/21 23:19	1

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	0.89	ug/L		08/25/21 22:20	08/26/21 00:19	1
Barium	**14.1**		4.0	0.91	ug/L		08/25/21 22:20	08/26/21 00:19	1
Beryllium	**0.35**	**J**	0.80	0.13	ug/L		08/25/21 22:20	08/26/21 00:19	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-241225-1

Client Sample ID: REP081821

Date Collected: 08/18/21 00:00
Date Received: 08/19/21 19:00

Lab Sample ID: 460-241225-1

Matrix: Water

Method: 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	U	2.0	0.39	ug/L		08/25/21 22:20	08/26/21 00:19	1
Chromium	4.0	U	4.0	2.5	ug/L		08/25/21 22:20	08/26/21 00:19	1
Copper	**15.3**		4.0	2.5	ug/L		08/25/21 22:20	08/26/21 00:19	1
Lead	1.2	U	1.2	0.84	ug/L		08/25/21 22:20	08/26/21 00:19	1
Manganese	**495**		8.0	1.5	ug/L		08/25/21 22:20	08/26/21 00:19	1
Nickel	**23.7**		4.0	0.91	ug/L		08/25/21 22:20	08/26/21 00:19	1
Selenium	2.5	U	2.5	0.59	ug/L		08/25/21 22:20	08/26/21 00:19	1
Silver	2.0	U	2.0	0.29	ug/L		08/25/21 22:20	08/26/21 00:19	1
Zinc	**37.5**		16.0	6.5	ug/L		08/25/21 22:20	08/26/21 00:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/23/21 11:51	08/23/21 13:52	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/25/21 12:52	08/25/21 15:45	1

Town of Islip-Long Island MacArthur Airport

Data Usability Summary Report

Ronkonkoma, New York

Volatile Organic Compound, Semi-Volatile Organic Compounds, Pesticides, Herbicides, Polychlorinated Biphenyls (PCBs), Perfluoroalkyl Substances (PFAS), Total Petroleum Hydrocarbons and Total Organic Carbon Analyses

SDGs # 460-229709-1 and 460-229719-1

Analyses Performed By:
Eurofins TestAmerica
Edison, New Jersey

Report #41483R
Review Level: Tier III
Project: 30017855.00005

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDGs) #460-229709-1 and 460-229719-1 for samples collected in association with the Town of Islip-Long Island MacArthur Airport Site in Ronkonkoma, NY. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis					
						VOC	SVOC	Herb Pest PCB	PFAs	TPH	TOC
460-229709-1	TB030921	460-229709-1	Water	3/9/2021		X					
	ISP GWG 3-1	460-229709-2	Water	3/9/2021		X	X	X	X	X	X
	FRB030921	460-229709-3	Water	3/9/2021					X		
	FB030921	460-229709-4	Water	3/9/2021		X	X	X	X		
460-229719-1	ISP SO 4-2 (0-2)	460-229719-1	Soil	3/10/2021		X	X	X	X		X
	FRB031021	460-229719-2	Water	3/10/2021					X		
	TB031021	460-229719-3	Water	3/10/2021		X					
	FB031021	460-229719-4	Water	3/10/2021		X	X	X	X		
	ISP SO 4-2 (51-53)	460-229719-5	Soil	3/10/2021		X	X	X	X		X
	ISP SO 4-2 (42-44)	460-229719-6	Soil	3/10/2021		X	X	X	X		X
	ISP SO 4-2 (22.9-24.9)	460-229719-7	Soil	3/10/2021		X	X	X	X		X
	REP031021	460-229719-8	Soil	3/10/2021	ISP SO 4-2 (22.9-24.9)	X	X	X	X		X
	Tote0311221	460-229719-9	Water	3/10/2021					X		

Notes:

1. PFAs analysis was performed at Eurofins TestAmerica-Sacramento, located in West Sacramento, CA
2. TOC - Total organic carbon was performed via Standard Methods (SM) 5310B for water samples and via Lloyd Kahn method for soil samples.
3. In SDG 460-229719-1, matrix spike/matrix spike duplicate (MS/MSD) was performed on sample location ISP SO 4-2 (51-53) for VOC, SVOC, Pesticide, Herbicides, PCBs and PFAS analyses.

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260D, 8270E, 8270E by Selected Ion Monitoring (SIM), 8081B (Pesticides), 8151A (Herbicides), 8082A (PCBs), 8015D (TPH-GRO/DRO), and USEPA method 537 Modified (PFAs). Data were reviewed in accordance with criteria set forth in the NYSDEC DER-10 (NYSDEC 2010), and applicable USEPA CLP National Functional Guidelines for both Organic Data Review (USEPA January 2017 and October 1999) and Inorganic Data Review (USEPA January 2010 and October 2004). Specifically, for PFAS data validation the review will include combination the laboratory SOP, Department of Defense (DoD) Quality Systems Manual (QSM), and EPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFASs) Analyzed Using EPA Method 537, November 2018.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound is considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260D	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.
	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cool to <6 °C.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

In SDG 460-229709-1: Compounds were detected in the associated QA blanks; however, the associated sample results were greater than the BAL and/or were non-detect. No other qualification of the sample results was required.

In SDG 460-229719-1, all compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B). Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
ISP SO 4-2 (0-2) ISP SO 4-2 (51-53) ISP SO 4-2 (42-44) ISP SO 4-2 (22.9-24.9) REP031021	Toluene (Leachate blank)	Detected sample results <RL and <BAL	"UB" at the RL

Note:
RL = reporting limit

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

In SDG 460-229709-1, all compounds associated with the calibrations were within the specified control limits.

In SDG 460-229719-1, all compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
ISP SO 4-2 (51-53) ISP SO 4-2 (22.9-24.9) REP031021	CCV %D	Chloromethane	-64.0%
		Vinyl chloride	-46.5%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with SDG 460-229709-1.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
SDG 4460-229719-1: ISP SO 4-2 (51-53)	Chloromethane	<LL but >10%	<LL but >10%
	Methylene chloride	>UL	AC
	Vinyl chloride	<LL but >10%	<LL but >10%

Note:
AC = acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than the control limit are presented in the following table.

Sample Locations	Compound
SDG 4460-229719-1: ISP SO 4-2 (51-53)	1,2,4-Trimethylbenzene
	1,2-Dichlorobenzene
	1,3,5-Trimethylbenzene
	1,3-Dichlorobenzene
	1,4-Dichlorobenzene
	2-Butanone
	Benzene
	Chlorobenzene
	Chloroform
	Methyl tert-butyl ether
	Methylene chloride
	m-Xylene & p-Xylene
	N-Propylbenzene
	o-Xylene
	sec-Butylbenzene

Sample Locations	Compound
	tert-Butylbenzene

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

In SDG 460-229709-1, all compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

Sample locations associated with LCS/LCSD analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compound	LCS Recovery	LCSD Recovery
SDG 460-229719-1: ISP SO 4-2 (51-53) ISP SO 4-2 (22.9-24.9) REP031021	Chloromethane	<LL but >10%	<LL but >10%
	n-Butylbenzene	<LL but >10%	AC
	Vinyl chloride	AC	<LL but >10%

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J

Control Limit	Sample Result	Qualification
< 10%	Non-detect	R
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil.

A field duplicate was not collected with a sample location associated with SDG 460-229709-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SDG 460-229719-1: ISP SO 4-2 (22.9-24.9)/ Rep031221	Acetone	0.011	0.0094	16%
	Toluene	0.00034 J	0.00061 J	AC

Note:
AC = acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks		X	X		
C. Trip blanks		X	X		
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate (LCSD)		X	X		
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)		X	X		
Matrix Spike Duplicate (MSD)		X	X		
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		

VOCs: SW-846 8260D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270E and 8270E-SIM	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

In SDG 460-229709-1, all compounds associated with the calibrations were within the specified control limits.

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
SDG 460-229719-1: FB031021	CCV %D	Indeno[1,2,3-cd]pyrene	+22.1%
		Dibenz(a,h)anthracene	+27.9%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ

Initial/Continuing	Criteria	Sample Result	Qualification
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

The SVOC and 1,4-Dioxane-d8 recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with SDG 460-229709-1.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
SDG 460-229719-1: ISP SO 4-2 (51-53)	All compounds	All compounds were <LL but >10%, except: • Acenaphthene • Indeno[1,2,3-cd]pyrene	All compounds were <LL but >10%, except:: • 2-Methylphenol • Acenaphthene • Benzo(a)pyrene • Benzo(g,h,i)perylene • Benzo[k]fluoranthene • Indeno[1,2,3-cd]pyrene • Pentachlorophenol • Phenol

Note:
AC = acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil.

A field duplicate was not collected with a sample location associated with SDG 460-229709-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SDG 460-229719-1: ISP SO 4-2 (22.9-24.9)/ Rep031221	All compounds	U	U	AC

Note:
ND = not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270E and 8270E-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate (LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)		X	X		
Matrix Spike Duplicate (MSD)		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike %R		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	

SVOCs: SW-846 8270E and 8270E-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Pesticides and Herbicides Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8081B/8151A	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99 is allowed.

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All initial and continuing calibration criteria were within the control limits.

4. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. pesticide-herbicide analysis requires that one of the two pesticide-herbicide surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries reported from the primary column were within control limits.

5. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits (in Pesticide Method 8081B).

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with SDG 460-229709-1.

In SDG 460-229719-1, the MS/MSD performed on sample ISP SO 4-2 (51-53) (Pesticide and Herbicides) exhibited acceptable recoveries and RPDs.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil matrices.

A field duplicate was not collected with a sample location associated with SDG 460-229709-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SDG 460-229719-1: ISP SO 4-2 (22.9-24.9)/ Rep031221	Pesticides-All compounds	ND	ND	AC
	Herbicides-All compounds	ND	ND	AC

Note:
ND = not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

9. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the percent difference (%D) of detected sample results must be less than 25%.

In SDG 460-229709-1, all sample locations exhibited %Ds recoveries within the control limit; all results were non-detect.

In SDG 460-229719-1, sample location ISO SO 4-2 (0-2) exhibited %D recoveries within the control limit.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Pesticides and Herbicides

PESTICIDES/HERBICIDES: SW-846 8081B/8051A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Internal Standard		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike %R		X		X	
Column %D $\leq$ 25% (If dual column is performed for reporting-not confirmation)		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
System performance and column resolution		X		X	
Compound identification and quantitation					
A. Quantitation Reports		X		X	
B. RT of sample compounds within the established RT windows		X		X	

PESTICIDES/HERBICIDES: SW-846 8081B/8051A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
C. Identification/confirmation		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Polychlorinated biphenyl (PCB) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8082A	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C
	Soil	14 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for Aroclor 1016 and 1260 only. Single-point calibrations were performed for the remaining Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All initial and continuing calibration criteria were within the control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that one of the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries reported from the primary column were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

In SDG 460-229709-1, a MS/MSD was not performed on a sample location associated with this SDG.

In SDG 460-229719-1, the MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil matrices.

A field duplicate was not collected with a sample location associated with SDG 460-229709-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SDG 460-229719-1: ISP SO 4-2 (22.9-24.9)/ Rep031221	PCBs-All Aroclors	ND	ND	AC

Note:
ND = not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the relative percent difference (%RPD) of detected sample results must be less than 25%.

The dual column analysis exhibited an acceptable %RPD between columns; all results were non-detect.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for PCBs

PCBs: SW-846 8082A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Internal Standard		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike %R		X		X	
Column (RPD)		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
System performance and column resolution		X		X	
Compound identification and quantitation					
A. Quantitation Reports		X		X	
B. RT of sample compounds within the established RT windows		X		X	
C. Pattern identification		X		X	

PCBs: SW-846 8082A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD = relative standard deviation

%R = percent recovery

RPD = relative percent difference

%D = percent difference

Perfluoroalkyl Substances (PFAS) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
USEPA Method 537 (Modified)	Water	14 days from collection to extraction and 28 days from extraction to analysis	Cool to <6 °C
	Soil	14 days from collection to extraction and 28 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of ten times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

In SDG 460-229709-1, compounds were detected in the associated QA blanks; however, the associated sample results were greater than the BAL and/or were non-detect. Therefore, sample results greater than the BAL resulted in the removal of the laboratory qualifier (B). No other qualification of the sample results was required.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B). Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
SDG 460-229719-1: ISP SO 4-2 (22.9-24.9)	Perfluorooctanesulfonic acid (PFOS)	Detected sample results <RL and <BAL	"UB" at the RL

Note:
RL = reporting limit

3. Mass Calibration

Mass calibration and system performance were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The percent relative standard deviation (%RSD) of the response factors (RF) must be less than 35%, or for linear calibration, $R^2 \geq 0.99$.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (30%) and RRF value greater than control limit (0.05).

All compounds associated with the initial and continuing calibrations were within the specified control limits.

5. Isotopically Labelled Standards

5.1 Extracted Internal Standard (EIS)

Labeled standards must be added to all field samples and QC samples prior to extraction. EIS recoveries must be within the limits of 25% to 150%.

In SDG 460-229719-1, all EIS recoveries were within the specified control limits.

Sample locations associated with EIS exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	EIS	Associated Compound	%R
SDG 460-229709-1: ISP GWG 3-1	M2-6:2 FTS	6:2 Fluorotelomer sulfonate	>150%

The criteria used to evaluate the EIS recoveries are presented in the following table. In the case of an EIS deviation, the sample results associated with the EIS are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> 150%	Non-detect	UJ
	Detect	J

Control Limit	Sample Result	Qualification
< 50% (<25% for poor responding analytes)	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	R

5.2 Injection Internal Standards

Injection internal standards are added to the aliquot of sample dilutions, QC samples, and standards just prior to analysis. Peak areas must be within 50-150% of the area measured in the ICAL midpoint standard. On days when ICAL is not performed, the peak areas must be within 50-150% of the peak area measured in daily initial CCV.

All injected internal standard recoveries were within the specified control limits in SDG 460-229709-1.

In SDG 460-229719-1 exhibited an internal standard aera exceedance (13C2 PFOA - <10%) for sample ISP SO 4-2 (0-2); results are not quantitated from the internal standard and the recovery of EIS 13C4 PFOA was 100 %, therefore qualification of the data was not necessary.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD less than 30%. The MS/MSD recovery control limits do not apply when the concentration detected in the parent sample exceeds the MS/MSD spike level by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with SDG 460-229709-1.

In SDG 460-229719-1, the MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field

duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil matrices.

A field duplicate was not collected with a sample location associated with SDG 460-229709-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SDG 460-229719-1: ISP SO 4-2 (22.9-24.9)/ Rep031221	Perfluorobutanoic acid (PFBA)	0.53	0.56	AC
	Perfluoropentanoic acid (PFPeA)	2.65	2.83	6.6%
	Perfluorohexanoic acid (PFHxA)	0.22	0.23	AC
	Perfluorooctanesulfonic acid (PFOS)	0.21 J	0.52 U	AC

Note:
AC = acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

9. Compound Identification

PFC analytes are identified by using the compound's ion abundance ratios, signal-to-noise values, and relative retention times.

All identified compounds met method criteria.

10. System Performance and Overall Assessment

Note: In SDG 460-229709-1, the original (100x) analysis of sample location ISP GWG 3-1 exhibited a percent recovery greater than the QC control limit with Isotope Dilution extracted internal standard (EIS) M2-6:2 FTS. A reanalysis of this sample was performed with a complex dilution (> 500x) with all passing recoveries. However, the original analysis should be reported with the EIS associated PFAS compound [6:2 Fluorotelomer sulfonate (FTS)] qualified as estimate.

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for PFAS

PFAS: USEPA 537 MODIFIED	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY (LC/MS/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Field blanks		X	X		
C. Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field Duplicate (RPD)		X		X	
Extracted Internal Standards (EIS) %R		X	X		
Injection Internal Standard %R		X	X		
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
Instrument tune and performance check		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
Instrument sensitivity check		X		X	
Ion transitions used		X		X	

PFAS: USEPA 537 MODIFIED	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY (LC/MS/MS)					
Compound identification and quantitation					
Reconstructed ion chromatograms		X		X	
Quantitation Reports		X		X	
A. RT of sample compounds within the established RT windows		X		X	
B. Transcription/calculations acceptable		X		X	
C. Ion Ratio %D		X			
D. Reporting limits adjusted to reflect sample dilutions		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Total Petroleum Hydrocarbons (TPH) Analyses-Gas Range Organics (GRO)/Diesel Range Organics (DRO)

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
GRO by SW-846 8015D	Water	14 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2 s.u..
DRO by SW-846 8015D	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

Note:
s.u. = standard units

In SDG 460-229709-1, all samples were analyzed within the specified holding times.

Note: TPH (GRO/DRO) analysis was not performed on a sample location associated with SDG 460-229719-1.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% or a correlation coefficient of greater than 0.99 is allowed.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%).

All initial and continuing calibration criteria were within the control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. The analysis requires surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with SDG 460-229709-1.

7. Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil matrices.

A field duplicate was not collected with a sample location associated with SDG 460-229709-1.

9. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows.

All identified compounds met the specified criteria.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for TPH-GRO/DRO

TPH-DRO/GRO: SW-846 8015D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R					X
Matrix Spike Duplicate (MSD) %R					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)					X
Surrogate Spike %R		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
System performance and column resolution		X		X	
Compound identification and quantitation					
A. Quantitation Reports		X		X	
B. RT of sample compounds within the established RT windows		X		X	
C. Pattern identification		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R = percent recovery

TPH-DRO/GRO: SW-846 8015D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					

RPD = relative percent difference
%D = difference

Inorganic Analysis Introduction

Analyses were performed according to Standard Method SM5310 and Lloyd Kahn. Data were reviewed in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (January 2017); USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (July 2002) and associated USEPA Region II guidelines.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

General Chemistry Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Total Organic Carbon by SM5310	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2 s.u..
TOC by Lloyd Kahn	Soil	14 days from collection to analysis	Cool to <6 °C.

Note:
s.u. = standard units

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4. Matrix Spike(MS)/Matrix Spike Duplicate(MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

A MS/MSD analysis was not performed on a sample location associated with either SDG.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices and two times the RL for soil matrices.

A laboratory duplicate was not performed on a sample location associated with SDG 460-229709-1.

IN SDG 460-229719-1, the laboratory duplicate sample [ISP SO4-2 (51-53)] results exhibited RPD within the control limit.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for soil matrices.

A field duplicate was not collected with a sample location associated with SDG 460-229709-1.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SDG 460-229719-1: ISP SO 4-2 (22.9-24.9)/ Rep031221	TOC	370	570	43%

The calculated RPDs between the parent sample and field duplicate were acceptable.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the laboratory established control limits.

The LCS analysis exhibited recoveries within the control limits.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for General Chemistry

General Chemistry: SM5310 and Lloyd Kahn	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks					X
Laboratory Control Sample (LCS)		X		X	
Matrix Spike (MS) %R					X
Matrix Spike Duplicate (MSD) %R					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (RPD)		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
Transcription/calculations acceptable		X		X	
Raw Data		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R = percent recovery
RPD = relative percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]						Noncompliance
					VOC	SVOC	Pest Herb PCB	TPH-GRO/ DRO	PFAS	TOC	
460-229709-1	3/9/2021	SW-486	TB030921	Water	Yes	--	--	--	--	--	
	3/9/2021		ISP GWG 3-1	Water	Yes	Yes	Yes	Yes	No	Yes	PFAS- Extracted internal standard %R
	3/9/2021		FRB030921	Water	--	--	--	--	Yes	---	
	3/9/2021		FB030921	Water	Yes	Yes	Yes	Yes	Yes	--	
460-229719-1	3/10/2021		ISP SO 4-2 (0-2)	Soil	No	Yes	Yes	--	Yes	Yes	VOC- Leachate blank contamination.
	3/10/2021		FRB031021	Water	--	--	--	--	Yes	--	
	3/10/2021		TB031021	Water	Yes	--	--	--	--	--	
	3/10/2021		FB031021	Water	Yes	Yes	Yes	--	Yes	--	
	3/10/2021		ISP SO 4-2 (51-53)	Soil	No	No	Yes	--	Yes	Yes	VOC- Leachate blank contamination, Matrix spike/matrix spike duplicate %R and RPD, Laboratory control sample/laboratory control sample duplicate %R, Continuing calibration %D SVOC- Matrix spike/matrix spike duplicate %R
	3/10/2021		ISP SO 4-2 (42-44)	Soil	No	Yes	Yes	--	Yes	Yes	VOC- Leachate blank contamination,
	3/10/2021		ISP SO 4-2 (22.9-24.9)	Soil	No	Yes	Yes	--	No	Yes	VOC- Leachate blank contamination, Laboratory control sample/laboratory control sample duplicate %R, Continuing calibration %D PFAS- Method blank contamination

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]						Noncompliance
					VOC	SVOC	Pest Herb PCB	TPH-GRO/ DRO	PFAS	TOC	
	3/10/2021		REP031021	Soil	No	Yes	Yes	--	Yes	Yes	VOC- Leachate blank contamination, Laboratory control sample/laboratory control sample duplicate %R, Continuing calibration %D
	3/11/2021		Tote0311221	Water	--	--	--	--	Yes	--	

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Lisa Horton

SIGNATURE: Lisa Horton

DATE: June 2, 2021

PEER REVIEW: Dennis Capria

DATE: June 10, 2021

Chain of Custody Corrected Sample Analysis Data Sheets

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Agnes Link-Harrington	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-138699-89838.1
Client Contact: Ms. Xuan Xu	Phone: 631-948-0827	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: ARCADIS U.S., Inc.	PWSID:			Job #: 229709
Address: Two Huntington Quadrangle Suite 1S10	Due Date Requested:			
City: Melville	TAT Requested (days): PFAS = 10 days; Rest = 5 days			
State, Zip: NY, 11747	Compliance Project: Δ Yes Δ No			
Phone: 631-391-5235(Tel)	PO #: 30017855.AOC03			
Email: xuan.xu@arcadis.com	WO #:			
Project Name: MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

NYC 222

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Custom TCL/NY Part 375 VOCs	8270E - TCL/NY Part 375 SVOCs (+1,4-DX for soils only)	8270E_SIM_MS_ID - 1,4-Dioxane (waters only)	8081B - Custom TCL/NY Part 375 Pesticides	8082A - PCBs(7)	8151A - TCL Herbicides	8015D_GRO - Gasoline Range Organics	Lloyd_Kahn_Mod - Organic Carbon, Total (TOC) (soils only)	SM5310B - Organic Carbon, Total (TOC) (waters only)	PFAS, Standard List (21 Analytes)	8015D_DRO - C10-C44 Extended Diesel Range Organics			Total Number of containers	Special Instructions/Note:
			Preservation Code:				N/A	N	N	N	N	N	F/A	N	S	N	N				
TB030921	3/9/21	—	—	W			✓														1
ISP GWG 3-1	3/9/21	10:00	G	W			✓		✓	✓	✓	✓	✓		✓	✓	✓				2
FRB030921	3/9/21	10:30	G	W												✓					3
FB030921	3/9/21	11:00	G	W			✓		✓	✓	✓	✓				✓					4

460-229709 Chain of Custody

5-Day RUSH

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B & Equis Arcadis EDD

Special Instructions/QC Requirements: AFFF-impacted? Yes or No (circle one)

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3/ /21	Arcadis	[signature]	3/10/21 1124	TA
[signature]	3/19/21 19:30	TA	[signature]	3/10/21 1930	THEL

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

2.5 / 2.5 3.0 / 3.0 FM# 11

Ver: 01/16/2019

03/25/2021

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61000.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-229709-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 3/22/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Long Island MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
ISP GWG 3-1 (460-229709-2)	3/9/21	10:00 Eastern		Water			X	2	AFFF-impacted
FB030921 (460-229709-4)	3/9/21	11:00 Eastern		Water			X	2	AFFF-impacted

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 3/12/21 1900	Company ETAEL	Received by:	Date/Time: 3-13-21 2905	Company ETASAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☒ Yes Δ No | Custody Seal No.: 1169473 | Cooler Temperature(s) °C and Other Remarks: 1.0

Ver: 11/01/2020

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61027.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-229709-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 3/22/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Long Island MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FRB030921 (460-229709-3)	3/9/21	10:30 Eastern		Water			X	2	AFFF-impacted

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 3/16/21 1900	Company: EJ AEL	Received by:	Date/Time: 3/18/21 950	Company: EJ AEL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 1470560

Cooler Temperature(s) °C and Other Remarks: 0.6

Ver: 11/01/2020

03/25/2021

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: TB030921 — Lab Sample ID: 460-229709-1

Date Collected: 03/09/21 00:00 **Matrix: Water**
Date Received: 03/10/21 19:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/13/21 18:03	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/13/21 18:03	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/13/21 18:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/13/21 18:03	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			03/13/21 18:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/13/21 18:03	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/13/21 18:03	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			03/13/21 18:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/13/21 18:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/13/21 18:03	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/13/21 18:03	1
Acetone	5.0	U	5.0	4.4	ug/L			03/13/21 18:03	1
Benzene	1.0	U	1.0	0.20	ug/L			03/13/21 18:03	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/13/21 18:03	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/13/21 18:03	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/13/21 18:03	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/13/21 18:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/13/21 18:03	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/13/21 18:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/13/21 18:03	1
Methylene Chloride	**0.53**	**J**	1.0	0.32	ug/L			03/13/21 18:03	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/13/21 18:03	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			03/13/21 18:03	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			03/13/21 18:03	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/13/21 18:03	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			03/13/21 18:03	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			03/13/21 18:03	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/13/21 18:03	1
Toluene	1.0	U	1.0	0.38	ug/L			03/13/21 18:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/13/21 18:03	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/13/21 18:03	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/13/21 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*03/13/21 18:03*	*1*
4-Bromofluorobenzene	*96*		*76 - 120*		*03/13/21 18:03*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*03/13/21 18:03*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*03/13/21 18:03*	*1*

Client Sample ID: ISP GWG 3-1 — Lab Sample ID: 460-229709-2

Date Collected: 03/09/21 10:00 **Matrix: Water**
Date Received: 03/10/21 19:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/13/21 20:03	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/13/21 20:03	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/13/21 20:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/13/21 20:03	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			03/13/21 20:03	1

Client Sample ID: ISP GWG 3-1 Lab Sample ID: 460-229709-2

Date Collected: 03/09/21 10:00 **Matrix: Water**
Date Received: 03/10/21 19:30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/13/21 20:03	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/13/21 20:03	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			03/13/21 20:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/13/21 20:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/13/21 20:03	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/13/21 20:03	1
Acetone	5.0	U	5.0	4.4	ug/L			03/13/21 20:03	1
Benzene	1.0	U	1.0	0.20	ug/L			03/13/21 20:03	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/13/21 20:03	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/13/21 20:03	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/13/21 20:03	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/13/21 20:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/13/21 20:03	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/13/21 20:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/13/21 20:03	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/13/21 20:03	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/13/21 20:03	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			03/13/21 20:03	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			03/13/21 20:03	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/13/21 20:03	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			03/13/21 20:03	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			03/13/21 20:03	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/13/21 20:03	1
Toluene	1.0	U	1.0	0.38	ug/L			03/13/21 20:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/13/21 20:03	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/13/21 20:03	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/13/21 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*03/13/21 20:03*	*1*
4-Bromofluorobenzene	*96*		*76 - 120*		*03/13/21 20:03*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*03/13/21 20:03*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/13/21 20:03*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		03/12/21 16:09	03/12/21 21:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*18*		*10 - 150*	*03/12/21 16:09*	*03/12/21 21:18*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		03/13/21 08:06	03/13/21 19:51	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		03/13/21 08:06	03/13/21 19:51	1
Acenaphthene	10	U	10	1.1	ug/L		03/13/21 08:06	03/13/21 19:51	1
Acenaphthylene	10	U	10	0.82	ug/L		03/13/21 08:06	03/13/21 19:51	1
Anthracene	**1.3**	**J**	10	1.3	ug/L		03/13/21 08:06	03/13/21 19:51	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/13/21 08:06	03/13/21 19:51	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/13/21 08:06	03/13/21 19:51	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/13/21 08:06	03/13/21 19:51	1

Client Sample ID: ISP GWG 3-1 Lab Sample ID: 460-229709-2

Date Collected: 03/09/21 10:00 **Matrix: Water**
Date Received: 03/10/21 19:30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/13/21 08:06	03/13/21 19:51	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/13/21 08:06	03/13/21 19:51	1
Chrysene	10	U	10	0.91	ug/L		03/13/21 08:06	03/13/21 19:51	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/13/21 08:06	03/13/21 19:51	1
Dibenzofuran	10	U	10	1.1	ug/L		03/13/21 08:06	03/13/21 19:51	1
Fluoranthene	**1.3**	**J**	10	0.84	ug/L		03/13/21 08:06	03/13/21 19:51	1
Fluorene	**1.8**	**J**	10	0.91	ug/L		03/13/21 08:06	03/13/21 19:51	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/13/21 08:06	03/13/21 19:51	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/13/21 08:06	03/13/21 19:51	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/13/21 08:06	03/13/21 19:51	1
Pentachlorophenol	30	U	30	1.4	ug/L		03/13/21 08:06	03/13/21 19:51	1
Phenanthrene	**11**		10	1.3	ug/L		03/13/21 08:06	03/13/21 19:51	1
Phenol	10	U	10	0.29	ug/L		03/13/21 08:06	03/13/21 19:51	1
Pyrene	**1.8**	**J**	10	1.6	ug/L		03/13/21 08:06	03/13/21 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*33 - 150*	*03/13/21 08:06*	*03/13/21 19:51*	*1*
2-Fluorobiphenyl	*92*		*42 - 127*	*03/13/21 08:06*	*03/13/21 19:51*	*1*
2-Fluorophenol (Surr)	*48*		*18 - 72*	*03/13/21 08:06*	*03/13/21 19:51*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 137*	*03/13/21 08:06*	*03/13/21 19:51*	*1*
Phenol-d5 (Surr)	*32*		*10 - 50*	*03/13/21 08:06*	*03/13/21 19:51*	*1*
Terphenyl-d14 (Surr)	*101*		*39 - 150*	*03/13/21 08:06*	*03/13/21 19:51*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	25	U	25	25	ug/L			03/12/21 08:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*123*		*76 - 133*		*03/12/21 08:47*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	**350**		130	39	ug/L		03/12/21 16:17	03/13/21 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*38 - 149*	*03/12/21 16:17*	*03/13/21 11:05*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		03/12/21 16:16	03/15/21 08:25	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		03/12/21 16:16	03/15/21 08:25	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:25	1
Aldrin	0.020	U	0.020	0.0030	ug/L		03/12/21 16:16	03/15/21 08:25	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		03/12/21 16:16	03/15/21 08:25	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:25	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		03/12/21 16:16	03/15/21 08:25	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		03/12/21 16:16	03/15/21 08:25	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		03/12/21 16:16	03/15/21 08:25	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		03/12/21 16:16	03/15/21 08:25	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:25	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		03/12/21 16:16	03/15/21 08:25	1

Client Sample ID: ISP GWG 3-1 Lab Sample ID: 460-229709-2

Date Collected: 03/09/21 10:00 **Matrix: Water**
Date Received: 03/10/21 19:30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:25	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		03/12/21 16:16	03/15/21 08:25	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		03/12/21 16:16	03/15/21 08:25	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		03/12/21 16:16	03/15/21 08:25	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		03/12/21 16:16	03/15/21 08:25	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		03/12/21 16:16	03/15/21 08:25	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:25	1
Toxaphene	0.50	U	0.50	0.11	ug/L		03/12/21 16:16	03/15/21 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*15*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:25*	*1*
DCB Decachlorobiphenyl	*25*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:25*	*1*
Tetrachloro-m-xylene	*52*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:25*	*1*
Tetrachloro-m-xylene	*53*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:25*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:34	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:34	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:34	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:34	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:34	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/12/21 16:12	03/15/21 12:34	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/12/21 16:12	03/15/21 12:34	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*40*		*10 - 138*	*03/12/21 16:12*	*03/15/21 12:34*	*1*
DCB Decachlorobiphenyl	*29*		*10 - 138*	*03/12/21 16:12*	*03/15/21 12:34*	*1*
Tetrachloro-m-xylene	*84*		*10 - 150*	*03/12/21 16:12*	*03/15/21 12:34*	*1*
Tetrachloro-m-xylene	*52*		*10 - 150*	*03/12/21 16:12*	*03/15/21 12:34*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		03/12/21 22:39	03/15/21 11:42	1
2,4-D	1.2	U	1.2	0.13	ug/L		03/12/21 22:39	03/15/21 11:42	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		03/12/21 22:39	03/15/21 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*28 - 150*	*03/12/21 22:39*	*03/15/21 11:42*	*1*
2,4-Dichlorophenylacetic acid	*91*		*28 - 150*	*03/12/21 22:39*	*03/15/21 11:42*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**383**	**J**	452	217	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluoropentanoic acid (PFPeA)	**1780**		181	44.3	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorohexanoic acid (PFHxA)	**1440**		181	52.4	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluoroheptanoic acid (PFHpA)	**819**		181	22.6	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorooctanoic acid (PFOA)	**1320**		181	76.8	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorononanoic acid (PFNA)	**1200**		181	24.4	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorodecanoic acid (PFDA)	181	U	181	28.0	ng/L		03/17/21 19:24	03/20/21 11:40	100

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-229709-1

Client Sample ID: ISP GWG 3-1

Date Collected: 03/09/21 10:00
Date Received: 03/10/21 19:30

Lab Sample ID: 460-229709-2

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	181	U	181	99.3	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorododecanoic acid (PFDoA)	181	U	181	49.7	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorotridecanoic acid (PFTriA)	181	U	181	117	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorotetradecanoic acid (PFTeA)	181	U	181	65.9	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorobutanesulfonic acid (PFBS)	181	U	181	18.1	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorohexanesulfonic acid (PFHxS)	**4000**		181	51.5	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluoroheptanesulfonic Acid (PFHpS)	**996**		181	17.2	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorooctanesulfonic acid (PFOS)	**22600**	~~B~~	181	48.8	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorodecanesulfonic acid (PFDS)	181	U	181	28.9	ng/L		03/17/21 19:24	03/20/21 11:40	100
Perfluorooctanesulfonamide (FOSA)	181	U	181	88.5	ng/L		03/17/21 19:24	03/20/21 11:40	100
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	452	U	452	108	ng/L		03/17/21 19:24	03/20/21 11:40	100
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	452	U	452	117	ng/L		03/17/21 19:24	03/20/21 11:40	100
6:2 FTS	**10100**	~~B~~ J	452	226	ng/L		03/17/21 19:24	03/20/21 11:40	100
8:2 FTS	181	U	181	41.5	ng/L		03/17/21 19:24	03/20/21 11:40	100

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C5 PFPeA	*70*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C2 PFHxA	*96*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C4 PFHpA	*88*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C4 PFOA	*94*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C5 PFNA	*104*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C2 PFDA	*116*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C2 PFUnA	*93*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C2 PFDoA	*92*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C2 PFTeDA	*91*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C3 PFBS	*78*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
18O2 PFHxS	*78*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C4 PFOS	*96*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
13C8 FOSA	*105*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
d3-NMeFOSAA	*103*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
d5-NEtFOSAA	*105*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
M2-6:2 FTS	*220*	*	*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*
M2-8:2 FTS	*110*		*25 - 150*	*03/17/21 19:24*	*03/20/21 11:40*	*100*

Method: 537 (modified) - Fluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2260	U	2260	1080	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluoropentanoic acid (PFPeA)	**1130**		903	221	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorohexanoic acid (PFHxA)	**896**	**J**	903	262	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluoroheptanoic acid (PFHpA)	**492**	**J**	903	113	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorooctanoic acid (PFOA)	**825**	**J**	903	384	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorononanoic acid (PFNA)	**820**	**J**	903	122	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorodecanoic acid (PFDA)	903	U	903	140	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluoroundecanoic acid (PFUnA)	903	U	903	497	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorododecanoic acid (PFDoA)	903	U	903	248	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorotridecanoic acid (PFTriA)	903	U	903	587	ng/L		03/17/21 19:24	03/23/21 21:06	1

Client Sample ID: ISP GWG 3-1

Lab Sample ID: 460-229709-2

Date Collected: 03/09/21 10:00
Date Received: 03/10/21 19:30

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	903	U	903	330	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorobutanesulfonic acid (PFBS)	903	U	903	90.3	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorohexanesulfonic acid (PFHxS)	**1970**		903	257	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	**595**	**J**	903	85.8	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorooctanesulfonic acid (PFOS)	**13300**	**B**	903	244	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorodecanesulfonic acid (PFDS)	903	U	903	145	ng/L		03/17/21 19:24	03/23/21 21:06	1
Perfluorooctanesulfonamide (FOSA)	903	U	903	443	ng/L		03/17/21 19:24	03/23/21 21:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2260	U	2260	542	ng/L		03/17/21 19:24	03/23/21 21:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2260	U	2260	587	ng/L		03/17/21 19:24	03/23/21 21:06	1
6:2 FTS	**12300**	**B**	2260	1130	ng/L		03/17/21 19:24	03/23/21 21:06	1
8:2 FTS	903	U	903	208	ng/L		03/17/21 19:24	03/23/21 21:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*118*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C4 PFBA	*107*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C5 PFPeA	*102*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C2 PFHxA	*110*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C4 PFHpA	*112*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C4 PFOA	*109*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C5 PFNA	*113*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C2 PFDA	*117*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C2 PFUnA	*111*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C2 PFDoA	*121*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C2 PFTeDA	*129*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C3 PFBS	*110*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
18O2 PFHxS	*107*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
13C4 PFOS	*109*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
d3-NMeFOSAA	*111*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
d5-NEtFOSAA	*118*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
M2-6:2 FTS	*90*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*
M2-8:2 FTS	*108*		*25 - 150*	*03/17/21 19:24*	*03/23/21 21:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	**1210**		1000	336	ug/L			03/14/21 03:50	1

Client Sample ID: FRB030921

Lab Sample ID: 460-229709-3

Date Collected: 03/09/21 10:30
Date Received: 03/10/21 19:30

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.79	U	4.79	2.30	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluoropentanoic acid (PFPeA)	1.92	U	1.92	0.47	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorohexanoic acid (PFHxA)	1.92	U	1.92	0.56	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluoroheptanoic acid (PFHpA)	1.92	U	1.92	0.24	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorooctanoic acid (PFOA)	1.92	U	1.92	0.81	ng/L		03/19/21 04:47	03/21/21 03:06	1

Client Sample ID: FRB030921

Lab Sample ID: 460-229709-3

Date Collected: 03/09/21 10:30
Matrix: Water
Date Received: 03/10/21 19:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	1.92	U	1.92	0.26	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorodecanoic acid (PFDA)	1.92	U	1.92	0.30	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluoroundecanoic acid (PFUnA)	1.92	U	1.92	1.05	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorododecanoic acid (PFDoA)	1.92	U	1.92	0.53	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorotridecanoic acid (PFTriA)	1.92	U	1.92	1.25	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorotetradecanoic acid (PFTeA)	1.92	U	1.92	0.70	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorobutanesulfonic acid (PFBS)	1.92	U	1.92	0.19	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorohexanesulfonic acid (PFHxS)	1.92	U	1.92	0.55	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.92	U	1.92	0.18	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorooctanesulfonic acid (PFOS)	1.92	U	1.92	0.52	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorodecanesulfonic acid (PFDS)	1.92	U	1.92	0.31	ng/L		03/19/21 04:47	03/21/21 03:06	1
Perfluorooctanesulfonamide (FOSA)	1.92	U	1.92	0.94	ng/L		03/19/21 04:47	03/21/21 03:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.79	U	4.79	1.15	ng/L		03/19/21 04:47	03/21/21 03:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.79	U	4.79	1.25	ng/L		03/19/21 04:47	03/21/21 03:06	1
6:2 FTS	4.79	U	4.79	2.40	ng/L		03/19/21 04:47	03/21/21 03:06	1
8:2 FTS	1.92	U	1.92	0.44	ng/L		03/19/21 04:47	03/21/21 03:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C5 PFPeA	*102*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C2 PFHxA	*107*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C4 PFHpA	*106*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C4 PFOA	*113*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C5 PFNA	*111*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C2 PFDA	*107*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C2 PFUnA	*106*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C2 PFDoA	*100*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C2 PFTeDA	*121*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C3 PFBS	*103*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
18O2 PFHxS	*107*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C4 PFOS	*106*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
13C8 FOSA	*99*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
d3-NMeFOSAA	*126*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
d5-NEtFOSAA	*131*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
M2-6:2 FTS	*139*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*
M2-8:2 FTS	*124*		*25 - 150*	*03/19/21 04:47*	*03/21/21 03:06*	*1*

Client Sample ID: FB030921

Lab Sample ID: 460-229709-4

Date Collected: 03/09/21 11:00
Matrix: Water
Date Received: 03/10/21 19:30

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/13/21 19:39	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/13/21 19:39	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/13/21 19:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/13/21 19:39	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			03/13/21 19:39	1

Client Sample ID: FB030921 Lab Sample ID: 460-229709-4

Date Collected: 03/09/21 11:00 **Matrix: Water**
Date Received: 03/10/21 19:30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/13/21 19:39	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/13/21 19:39	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			03/13/21 19:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/13/21 19:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/13/21 19:39	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/13/21 19:39	1
Acetone	5.0	U	5.0	4.4	ug/L			03/13/21 19:39	1
Benzene	1.0	U	1.0	0.20	ug/L			03/13/21 19:39	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/13/21 19:39	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/13/21 19:39	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/13/21 19:39	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/13/21 19:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/13/21 19:39	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/13/21 19:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/13/21 19:39	1
Methylene Chloride	**0.56**	**J**	1.0	0.32	ug/L			03/13/21 19:39	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/13/21 19:39	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			03/13/21 19:39	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			03/13/21 19:39	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/13/21 19:39	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			03/13/21 19:39	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			03/13/21 19:39	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/13/21 19:39	1
Toluene	1.0	U	1.0	0.38	ug/L			03/13/21 19:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/13/21 19:39	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/13/21 19:39	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/13/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*03/13/21 19:39*	*1*
4-Bromofluorobenzene	*97*		*76 - 120*		*03/13/21 19:39*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*03/13/21 19:39*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/13/21 19:39*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		03/12/21 16:09	03/12/21 21:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*22*		*10 - 150*	*03/12/21 16:09*	*03/12/21 21:33*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		03/13/21 08:06	03/13/21 20:12	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		03/13/21 08:06	03/13/21 20:12	1
Acenaphthene	10	U	10	1.1	ug/L		03/13/21 08:06	03/13/21 20:12	1
Acenaphthylene	10	U	10	0.82	ug/L		03/13/21 08:06	03/13/21 20:12	1
Anthracene	10	U	10	1.3	ug/L		03/13/21 08:06	03/13/21 20:12	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/13/21 08:06	03/13/21 20:12	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/13/21 08:06	03/13/21 20:12	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/13/21 08:06	03/13/21 20:12	1

Client Sample ID: FB030921 Lab Sample ID: 460-229709-4

Date Collected: 03/09/21 11:00 **Matrix: Water**
Date Received: 03/10/21 19:30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/13/21 08:06	03/13/21 20:12	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/13/21 08:06	03/13/21 20:12	1
Chrysene	10	U	10	0.91	ug/L		03/13/21 08:06	03/13/21 20:12	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/13/21 08:06	03/13/21 20:12	1
Dibenzofuran	10	U	10	1.1	ug/L		03/13/21 08:06	03/13/21 20:12	1
Fluoranthene	10	U	10	0.84	ug/L		03/13/21 08:06	03/13/21 20:12	1
Fluorene	10	U	10	0.91	ug/L		03/13/21 08:06	03/13/21 20:12	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/13/21 08:06	03/13/21 20:12	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/13/21 08:06	03/13/21 20:12	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/13/21 08:06	03/13/21 20:12	1
Pentachlorophenol	30	U	30	1.4	ug/L		03/13/21 08:06	03/13/21 20:12	1
Phenanthrene	10	U	10	1.3	ug/L		03/13/21 08:06	03/13/21 20:12	1
Phenol	10	U	10	0.29	ug/L		03/13/21 08:06	03/13/21 20:12	1
Pyrene	10	U	10	1.6	ug/L		03/13/21 08:06	03/13/21 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*33 - 150*	*03/13/21 08:06*	*03/13/21 20:12*	*1*
2-Fluorobiphenyl	*79*		*42 - 127*	*03/13/21 08:06*	*03/13/21 20:12*	*1*
2-Fluorophenol (Surr)	*40*		*18 - 72*	*03/13/21 08:06*	*03/13/21 20:12*	*1*
Nitrobenzene-d5 (Surr)	*87*		*46 - 137*	*03/13/21 08:06*	*03/13/21 20:12*	*1*
Phenol-d5 (Surr)	*25*		*10 - 50*	*03/13/21 08:06*	*03/13/21 20:12*	*1*
Terphenyl-d14 (Surr)	*90*		*39 - 150*	*03/13/21 08:06*	*03/13/21 20:12*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		03/12/21 16:16	03/15/21 08:39	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		03/12/21 16:16	03/15/21 08:39	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:39	1
Aldrin	0.020	U	0.020	0.0030	ug/L		03/12/21 16:16	03/15/21 08:39	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		03/12/21 16:16	03/15/21 08:39	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:39	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		03/12/21 16:16	03/15/21 08:39	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		03/12/21 16:16	03/15/21 08:39	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		03/12/21 16:16	03/15/21 08:39	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		03/12/21 16:16	03/15/21 08:39	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:39	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		03/12/21 16:16	03/15/21 08:39	1
Endrin	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:39	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		03/12/21 16:16	03/15/21 08:39	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		03/12/21 16:16	03/15/21 08:39	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		03/12/21 16:16	03/15/21 08:39	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		03/12/21 16:16	03/15/21 08:39	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		03/12/21 16:16	03/15/21 08:39	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:39	1
Toxaphene	0.50	U	0.50	0.11	ug/L		03/12/21 16:16	03/15/21 08:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*14*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:39*	*1*
DCB Decachlorobiphenyl	*23*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:39*	*1*
Tetrachloro-m-xylene	*47*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:39*	*1*

Client Sample ID: FB030921

Date Collected: 03/09/21 11:00
Date Received: 03/10/21 19:30

Lab Sample ID: 460-229709-4

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*48*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:15	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:15	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:15	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:15	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:15	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/12/21 16:12	03/15/21 12:15	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/12/21 16:12	03/15/21 12:15	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*24*		*10 - 138*	*03/12/21 16:12*	*03/15/21 12:15*	*1*
DCB Decachlorobiphenyl	*26*		*10 - 138*	*03/12/21 16:12*	*03/15/21 12:15*	*1*
Tetrachloro-m-xylene	*52*		*10 - 150*	*03/12/21 16:12*	*03/15/21 12:15*	*1*
Tetrachloro-m-xylene	*53*		*10 - 150*	*03/12/21 16:12*	*03/15/21 12:15*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		03/12/21 22:39	03/15/21 11:56	1
2,4-D	1.2	U	1.2	0.13	ug/L		03/12/21 22:39	03/15/21 11:56	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		03/12/21 22:39	03/15/21 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*88*		*28 - 150*	*03/12/21 22:39*	*03/15/21 11:56*	*1*
2,4-Dichlorophenylacetic acid	*94*		*28 - 150*	*03/12/21 22:39*	*03/15/21 11:56*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.56	U	4.56	2.19	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluoropentanoic acid (PFPeA)	1.82	U	1.82	0.45	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorohexanoic acid (PFHxA)	1.82	U	1.82	0.53	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluoroheptanoic acid (PFHpA)	1.82	U	1.82	0.23	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorooctanoic acid (PFOA)	1.82	U	1.82	0.77	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorononanoic acid (PFNA)	1.82	U	1.82	0.25	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorodecanoic acid (PFDA)	1.82	U	1.82	0.28	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluoroundecanoic acid (PFUnA)	1.82	U	1.82	1.00	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorododecanoic acid (PFDoA)	1.82	U	1.82	0.50	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorotridecanoic acid (PFTriA)	1.82	U	1.82	1.19	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorotetradecanoic acid (PFTeA)	1.82	U	1.82	0.67	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorobutanesulfonic acid (PFBS)	1.82	U	1.82	0.18	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorohexanesulfonic acid (PFHxS)	1.82	U	1.82	0.52	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.82	U	1.82	0.17	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorooctanesulfonic acid (PFOS)	1.82	U	1.82	0.49	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorodecanesulfonic acid (PFDS)	1.82	U	1.82	0.29	ng/L		03/17/21 19:24	03/20/21 10:34	1
Perfluorooctanesulfonamide (FOSA)	1.82	U	1.82	0.89	ng/L		03/17/21 19:24	03/20/21 10:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.56	U	4.56	1.09	ng/L		03/17/21 19:24	03/20/21 10:34	1

Client Sample ID: FB030921

Date Collected: 03/09/21 11:00
Date Received: 03/10/21 19:30

Lab Sample ID: 460-229709-4

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.56	U	4.56	1.19	ng/L		03/17/21 19:24	03/20/21 10:34	1
6:2 FTS	4.56	U	4.56	2.28	ng/L		03/17/21 19:24	03/20/21 10:34	1
8:2 FTS	1.82	U	1.82	0.42	ng/L		03/17/21 19:24	03/20/21 10:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C5 PFPeA	*80*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C2 PFHxA	*115*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C4 PFHpA	*110*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C4 PFOA	*108*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C5 PFNA	*115*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C2 PFDA	*115*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C2 PFUnA	*81*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C2 PFDoA	*47*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C2 PFTeDA	*99*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C3 PFBS	*100*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
18O2 PFHxS	*111*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C4 PFOS	*114*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
13C8 FOSA	*115*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
d3-NMeFOSAA	*47*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
d5-NEtFOSAA	*52*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
M2-6:2 FTS	*117*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*
M2-8:2 FTS	*146*		*25 - 150*	*03/17/21 19:24*	*03/20/21 10:34*	*1*

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Agnes Link-Harrington	Lab PM: Haas, Melissa	Carrier Tracking No(s): NYC 22	COC No: 460-138699-89838.1
Client Contact: Ms. Xuan Xu	Phone: 631-948-0827	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: ARCADIS U.S., Inc.	PWSID:			Job #: 229719
Address: Two Huntington Quadrangle Suite 1S1	Due Date Requested:			
City: Melville	TAT Requested (days): PFAS = 10 days; Rest = 5 days			
State, Zip: NY, 11747	Compliance Project: Δ Yes Δ No			
Phone: 631-391-5235(Tel)	PO #: 30017855.AOC04			
Email: xuan.xu@arcadis.com	WO #:			
Project Name: MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

460-229719 Chain of Custody

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Custom TCL/NY Part 375 VOCs	8270E - TCL/NY Part 375 SVOCs (+1,4-DX for soils only)	8270E_SIM_MS_ID - 1,4-Dioxane (waters only)	8081B - Custom TCL/NY Part 375 Pesticides	8082A - PCBs(7)	8151A - TCL Herbicides	8015D_GRO - Gasoline Range Organics	Lloyd_Kahn_Mod - Organic Carbon, Total (TOC) (soils only)	SM5310B - Organic Carbon, Total (TOC) (waters only)	PFAS, Standard List (21 Analytes)	8015D_DRO - C10-C44 Extended Diesel Range Organics	8270E - TCL/NY Part 375 SVOC (water)		Total Number of containers	Special Instructions/Note:
			Preservation Code:				N/A	N	N	N	N	N	F/A	N	S	N	N				
ISP SO 4-2 (0-2)	3/10/2021	10:00	C	So			✓	✓		✓	✓	✓		✓		✓					1
FRB031021	3/10/2021	11:10	G	W												✓					2
TB031021	3/10/2021	—	—	W			✓														3
FB031021	3/10/2021	15:50	G	W			✓		✓	✓	✓	✓				✓		✓			4
ISP SO 4-2 (51-53)	3/10/2021	14:30	C	SO			✓	✓		✓	✓	✓		✓		✓					MS/MSD 5
ISP SO 4-2 (42-44)	3/10/2021	13:00	C	SO			✓	✓		✓	✓	✓		✓		✓					6
ISP SO 4-2 (~~22.25~~ 22.9-24.9)	3/10/2021	11:50	C	SO			✓	✓		✓	✓	✓		✓		✓					7
REP031021 (5x)	3/10/2021	—	C	SO			✓	✓		✓	✓	✓		✓		✓					8
Tote 031 2021	3/11/2021	0800	G	W												✓					9

SHORT HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY Cat B & Equis Arcadis EDD

Special Instructions/QC Requirements: AFFF-impacted? Yes or No (circle one)

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3/11/21 1055	Arcadis	[signature]	3/11/21 1055	[signature]
[signature]	3/11/21 1600	[signature]	[signature]	3/11/21 1600	
[signature]	3/11/21 1700	[signature]	[signature]	3/11/21 1700	[signature]

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61000.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-229719-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 3/23/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Long Island MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 Analytes)	PFC_IDA/3535_PFC PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
ISP SO 4-2 (0-2) (460-229719-1)	3/10/21	10:00 Eastern		Solid			X		1	AFFF-impacted
FRB031021 (460-229719-2)	3/10/21	11:10 Eastern		Water				X	2	AFFF-impacted
FB031021 (460-229719-4)	3/10/21	15:50 Eastern		Water				X	2	AFFF-impacted
ISP SO 4-2 (51-53) (460-229719-5)	3/10/21	14:30 Eastern		Solid			X		1	AFFF-impacted
ISP SO 4-2 (51-53) (460-229719-5MS)	3/10/21	14:30 Eastern	MS	Solid			X		1	AFFF-impacted
ISP SO 4-2 (51-53) (460-229719-5MSD)	3/10/21	14:30 Eastern	MSD	Solid			X		1	AFFF-impacted
ISP SO 4-2 (42-44) (460-229719-6)	3/10/21	13:00 Eastern		Solid			X		1	AFFF-impacted
ISP SO 4-2 (22.9-24.9) (460-229719-7)	3/10/21	11:50 Eastern		Solid			X		1	AFFF-impacted
REP031021 (460-229719-8)	3/10/21	Eastern		Solid			X		1	AFFF-impacted

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3/12/21 1900	ETAEdi	[signature]	3-13-21 0905	ETASAC

Custody Seals Intact: ☐ Yes Δ No

Custody Seal No.: 1169473

Cooler Temperature(s) °C and Other Remarks: 1.0

Ver: 11/01/2020

03/26/2021

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-61000.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa.Haas@Eurofinset.com	State of Origin: New York	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-229719-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 3/23/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Long Island MacArthur Airport	Project #: 46034469			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 Analytes)	PFC_IDA/3535_PFC PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
Tote03112021 (460-229719-9)	3/11/21	08:00 Eastern		Water				X		AFFF-impacted

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 3/12/21 1900	Company	Received by:	Date/Time: 3-13-21 0905	Company ETASAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.: 1169473

Cooler Temperature(s) °C and Other Remarks: 1.0

Ver: 11/01/2020

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Duplicate RPD exceeds control limits
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-229719-1

Client Sample ID: ISP SO 4-2 (0-2)

Date Collected: 03/10/21 10:00
Date Received: 03/11/21 17:00

Lab Sample ID: 460-229719-1

Matrix: Solid
Percent Solids: 89.1

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00087	U	0.00087	0.00020	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
1,1-Dichloroethane	0.00087	U	0.00087	0.00018	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
1,1-Dichloroethene	0.00087	U	0.00087	0.00020	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
1,2,4-Trichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
1,2,4-Trimethylbenzene	0.00087	U	0.00087	0.00021	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
1,2-Dichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
1,2-Dichloroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
1,3,5-Trimethylbenzene	0.00087	U	0.00087	0.00027	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
1,3-Dichlorobenzene	0.00087	U	0.00087	0.00032	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
1,4-Dichlorobenzene	0.00087	U	0.00087	0.00020	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Acetone	**0.0075**		0.0052	0.0050	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Benzene	0.00087	U	0.00087	0.00022	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Carbon tetrachloride	0.00087	U	0.00087	0.00034	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Chlorobenzene	0.00087	U	0.00087	0.00015	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Chloroform	0.00087	U	0.00087	0.00084	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Chloromethane	0.00087	U	0.00087	0.00038	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
cis-1,2-Dichloroethene	0.00087	U	0.00087	0.00031	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Ethylbenzene	0.00087	U	0.00087	0.00017	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Methyl tert-butyl ether	0.00087	U	0.00087	0.00044	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Methylene Chloride	0.0017	U	0.0017	0.00099	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
m-Xylene & p-Xylene	0.00087	U	0.00087	0.00015	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
n-Butylbenzene	0.00087	U	0.00087	0.00026	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
N-Propylbenzene	0.00087	U	0.00087	0.00015	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
o-Xylene	0.00087	U	0.00087	0.00017	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
sec-Butylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
tert-Butylbenzene	0.00087	U	0.00087	0.00024	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Tetrachloroethene	0.00087	U	0.00087	0.00026	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Toluene 0.00087	~~**0.00041**~~	~~**J B**~~ UB	0.00087	0.00020	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
trans-1,2-Dichloroethene	0.00087	U	0.00087	0.00021	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Trichloroethene	0.00087	U	0.00087	0.00028	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1
Vinyl chloride	0.00087	U	0.00087	0.00047	mg/Kg	☼	03/12/21 01:59	03/13/21 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*77 - 145*	*03/12/21 01:59*	*03/13/21 15:08*	*1*
4-Bromofluorobenzene	*99*		*70 - 139*	*03/12/21 01:59*	*03/13/21 15:08*	*1*
Dibromofluoromethane (Surr)	*115*		*48 - 150*	*03/12/21 01:59*	*03/13/21 15:08*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*03/12/21 01:59*	*03/13/21 15:08*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.11	U	0.11	0.032	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Acenaphthylene	0.37	U	0.37	0.0037	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Anthracene	**0.020**	**J**	0.37	0.011	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Benzo[a]anthracene	**0.21**		0.037	0.013	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Benzo[a]pyrene	**0.23**		0.037	0.0099	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Benzo[b]fluoranthene	**0.35**		0.037	0.0096	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1

Client Sample ID: ISP SO 4-2 (0-2) Lab Sample ID: 460-229719-1

Date Collected: 03/10/21 10:00 **Matrix: Solid**
Date Received: 03/11/21 17:00 **Percent Solids: 89.1**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**0.15**	**J**	0.37	0.011	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Benzo[k]fluoranthene	**0.12**		0.037	0.0073	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Chrysene	**0.25**	**J**	0.37	0.0063	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Dibenz(a,h)anthracene	**0.043**		0.037	0.016	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Dibenzofuran	0.37	U	0.37	0.0052	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Fluoranthene	**0.49**		0.37	0.013	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Fluorene	0.37	U	0.37	0.0050	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Indeno[1,2,3-cd]pyrene	**0.20**		0.037	0.015	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Phenanthrene	**0.22**	**J**	0.37	0.0065	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1
Pyrene	**0.38**		0.37	0.0092	mg/Kg	☼	03/14/21 16:06	03/15/21 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*10 - 123*	*03/14/21 16:06*	*03/15/21 02:35*	*1*
2-Fluorobiphenyl	*51*		*14 - 103*	*03/14/21 16:06*	*03/15/21 02:35*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 105*	*03/14/21 16:06*	*03/15/21 02:35*	*1*
Nitrobenzene-d5 (Surr)	*51*		*11 - 104*	*03/14/21 16:06*	*03/15/21 02:35*	*1*
Phenol-d5 (Surr)	*51*		*15 - 100*	*03/14/21 16:06*	*03/15/21 02:35*	*1*
Terphenyl-d14 (Surr)	*57*		*12 - 126*	*03/14/21 16:06*	*03/15/21 02:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
4,4'-DDE	0.0075	U	0.0075	0.00089	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
4,4'-DDT	**0.0030**	**J**	0.0075	0.0014	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Dieldrin	0.0022	U	0.0022	0.00098	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00070	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Heptachlor	0.0075	U	0.0075	0.00089	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	03/12/21 10:33	03/15/21 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*10 - 150*	*03/12/21 10:33*	*03/15/21 11:58*	*1*
DCB Decachlorobiphenyl	*60*		*10 - 150*	*03/12/21 10:33*	*03/15/21 11:58*	*1*
Tetrachloro-m-xylene	*62*		*10 - 133*	*03/12/21 10:33*	*03/15/21 11:58*	*1*

Client Sample ID: ISP SO 4-2 (0-2) Lab Sample ID: 460-229719-1

Date Collected: 03/10/21 10:00 **Matrix: Solid**
Date Received: 03/11/21 17:00 **Percent Solids: 89.1**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*50*		*10 - 133*	*03/12/21 10:33*	*03/15/21 11:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:40	1
Aroclor 1221	0.075	U	0.075	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:40	1
Aroclor 1232	0.075	U	0.075	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:40	1
Aroclor 1242	0.075	U	0.075	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:40	1
Aroclor 1248	0.075	U	0.075	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:40	1
Aroclor 1254	0.075	U	0.075	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:40	1
Aroclor 1260	0.075	U	0.075	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:40	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*103*		*37 - 150*	*03/12/21 10:30*	*03/15/21 15:40*	*1*
DCB Decachlorobiphenyl	*118*		*37 - 150*	*03/12/21 10:30*	*03/15/21 15:40*	*1*
Tetrachloro-m-xylene	*102*		*54 - 150*	*03/12/21 10:30*	*03/15/21 15:40*	*1*
Tetrachloro-m-xylene	*105*		*54 - 150*	*03/12/21 10:30*	*03/15/21 15:40*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0080	mg/Kg	☼	03/16/21 01:23	03/16/21 08:56	1
2,4-D	0.037	U	0.037	0.014	mg/Kg	☼	03/16/21 01:23	03/16/21 08:56	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0039	mg/Kg	☼	03/16/21 01:23	03/16/21 08:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*81*		*65 - 150*	*03/16/21 01:23*	*03/16/21 08:56*	*1*
2,4-Dichlorophenylacetic acid	*78*		*65 - 150*	*03/16/21 01:23*	*03/16/21 08:56*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	21.7	U	21.7	3.03	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluoropentanoic acid (PFPeA)	21.7	U	21.7	8.35	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorohexanoic acid (PFHxA)	**7.03**	**J**	21.7	4.55	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluoroheptanoic acid (PFHpA)	**6.82**	**J**	21.7	3.14	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorooctanoic acid (PFOA)	21.7	U	21.7	9.32	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorononanoic acid (PFNA)	21.7	U	21.7	3.90	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorodecanoic acid (PFDA)	21.7	U	21.7	2.38	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluoroundecanoic acid (PFUnA)	21.7	U	21.7	3.90	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorododecanoic acid (PFDoA)	21.7	U	21.7	7.26	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorotridecanoic acid (PFTriA)	21.7	U	21.7	5.53	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorotetradecanoic acid (PFTeA)	21.7	U	21.7	5.85	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorobutanesulfonic acid (PFBS)	21.7	U	21.7	2.71	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorohexanesulfonic acid (PFHxS)	21.7	U	21.7	3.36	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluoroheptanesulfonic Acid (PFHpS)	21.7	U	21.7	3.79	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorooctanesulfonic acid (PFOS)	54.2	U	54.2	21.7	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorodecanesulfonic acid (PFDS)	21.7	U	21.7	4.23	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
Perfluorooctanesulfonamide (FOSA)	21.7	U	21.7	8.89	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	217	U	217	42.3	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100

Client Sample ID: ISP SO 4-2 (0-2) — Lab Sample ID: 460-229719-1

Date Collected: 03/10/21 10:00 — **Matrix: Solid**
Date Received: 03/11/21 17:00 — **Percent Solids: 89.1**

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	217	U	217	40.1	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
6:2 FTS	**282**		217	16.3	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100
8:2 FTS	217	U	217	27.1	ug/Kg	☼	03/16/21 05:07	03/20/21 12:55	100

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C5 PFPeA	*61*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C2 PFHxA	*83*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C4 PFHpA	*71*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C4 PFOA	*100*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C5 PFNA	*82*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C2 PFDA	*94*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C2 PFUnA	*107*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C2 PFDoA	*99*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C2 PFTeDA	*103*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C3 PFBS	*59*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
18O2 PFHxS	*59*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C4 PFOS	*70*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
13C8 FOSA	*102*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
d3-NMeFOSAA	*78*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
d5-NEtFOSAA	*90*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
M2-6:2 FTS	*112*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*
M2-8:2 FTS	*82*		*25 - 150*	*03/16/21 05:07*	*03/20/21 12:55*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	**6010**		112	91.3	mg/Kg	☼		03/18/21 18:28	1

Client Sample ID: FRB031021 — Lab Sample ID: 460-229719-2

Date Collected: 03/10/21 11:10 — **Matrix: Water**
Date Received: 03/11/21 17:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.65	U	4.65	2.23	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluoropentanoic acid (PFPeA)	1.86	U	1.86	0.46	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorohexanoic acid (PFHxA)	1.86	U	1.86	0.54	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluoroheptanoic acid (PFHpA)	1.86	U	1.86	0.23	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorooctanoic acid (PFOA)	1.86	U	1.86	0.79	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorononanoic acid (PFNA)	1.86	U	1.86	0.25	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorodecanoic acid (PFDA)	1.86	U	1.86	0.29	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluoroundecanoic acid (PFUnA)	1.86	U	1.86	1.02	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorododecanoic acid (PFDoA)	1.86	U	1.86	0.51	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorotridecanoic acid (PFTriA)	1.86	U	1.86	1.21	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorotetradecanoic acid (PFTeA)	**1.07**	**J**	1.86	0.68	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorobutanesulfonic acid (PFBS)	1.86	U	1.86	0.19	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorohexanesulfonic acid (PFHxS)	1.86	U	1.86	0.53	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.86	U	1.86	0.18	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorooctanesulfonic acid (PFOS)	1.86	U	1.86	0.50	ng/L		03/17/21 19:24	03/20/21 09:00	1

Client Sample ID: FRB031021 — Lab Sample ID: 460-229719-2

Date Collected: 03/10/21 11:10 **Matrix: Water**
Date Received: 03/11/21 17:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	1.86	U	1.86	0.30	ng/L		03/17/21 19:24	03/20/21 09:00	1
Perfluorooctanesulfonamide (FOSA)	1.86	U	1.86	0.91	ng/L		03/17/21 19:24	03/20/21 09:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.65	U	4.65	1.12	ng/L		03/17/21 19:24	03/20/21 09:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.65	U	4.65	1.21	ng/L		03/17/21 19:24	03/20/21 09:00	1
6:2 FTS	4.65	U	4.65	2.33	ng/L		03/17/21 19:24	03/20/21 09:00	1
8:2 FTS	1.86	U	1.86	0.43	ng/L		03/17/21 19:24	03/20/21 09:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C5 PFPeA	*103*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C2 PFHxA	*107*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C4 PFHpA	*108*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C4 PFOA	*111*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C5 PFNA	*124*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C2 PFDA	*115*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C2 PFUnA	*119*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C2 PFDoA	*107*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C2 PFTeDA	*107*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C3 PFBS	*103*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
18O2 PFHxS	*113*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C4 PFOS	*109*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
13C8 FOSA	*110*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
d3-NMeFOSAA	*113*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
d5-NEtFOSAA	*109*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
M2-6:2 FTS	*109*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*
M2-8:2 FTS	*112*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:00*	*1*

Client Sample ID: TB031021 — Lab Sample ID: 460-229719-3

Date Collected: 03/10/21 00:00 **Matrix: Water**
Date Received: 03/11/21 17:00

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/13/21 18:51	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/13/21 18:51	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/13/21 18:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/13/21 18:51	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			03/13/21 18:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/13/21 18:51	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/13/21 18:51	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			03/13/21 18:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/13/21 18:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/13/21 18:51	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/13/21 18:51	1
Acetone	5.0	U	5.0	4.4	ug/L			03/13/21 18:51	1
Benzene	1.0	U	1.0	0.20	ug/L			03/13/21 18:51	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/13/21 18:51	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/13/21 18:51	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/13/21 18:51	1

Client Sample ID: TB031021

Lab Sample ID: 460-229719-3

Date Collected: 03/10/21 00:00

Matrix: Water

Date Received: 03/11/21 17:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			03/13/21 18:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/13/21 18:51	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/13/21 18:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/13/21 18:51	1
Methylene Chloride	**0.52**	**J**	1.0	0.32	ug/L			03/13/21 18:51	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/13/21 18:51	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			03/13/21 18:51	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			03/13/21 18:51	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/13/21 18:51	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			03/13/21 18:51	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			03/13/21 18:51	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/13/21 18:51	1
Toluene	1.0	U	1.0	0.38	ug/L			03/13/21 18:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/13/21 18:51	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/13/21 18:51	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/13/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*03/13/21 18:51*	*1*
4-Bromofluorobenzene	*96*		*76 - 120*		*03/13/21 18:51*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*03/13/21 18:51*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/13/21 18:51*	*1*

Client Sample ID: FB031021

Lab Sample ID: 460-229719-4

Date Collected: 03/10/21 15:50

Matrix: Water

Date Received: 03/11/21 17:00

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/13/21 19:15	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/13/21 19:15	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/13/21 19:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/13/21 19:15	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			03/13/21 19:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/13/21 19:15	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/13/21 19:15	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			03/13/21 19:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/13/21 19:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/13/21 19:15	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/13/21 19:15	1
Acetone	5.0	U	5.0	4.4	ug/L			03/13/21 19:15	1
Benzene	1.0	U	1.0	0.20	ug/L			03/13/21 19:15	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/13/21 19:15	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/13/21 19:15	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/13/21 19:15	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/13/21 19:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/13/21 19:15	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/13/21 19:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/13/21 19:15	1
Methylene Chloride	**0.42**	**J**	1.0	0.32	ug/L			03/13/21 19:15	1

Client Sample ID: FB031021 Lab Sample ID: 460-229719-4

Date Collected: 03/10/21 15:50 **Matrix: Water**
Date Received: 03/11/21 17:00

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/13/21 19:15	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			03/13/21 19:15	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			03/13/21 19:15	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/13/21 19:15	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			03/13/21 19:15	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			03/13/21 19:15	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/13/21 19:15	1
Toluene	1.0	U	1.0	0.38	ug/L			03/13/21 19:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/13/21 19:15	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/13/21 19:15	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/13/21 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*03/13/21 19:15*	*1*
4-Bromofluorobenzene	*96*		*76 - 120*		*03/13/21 19:15*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*03/13/21 19:15*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/13/21 19:15*	*1*

Method: 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.016	ug/L		03/12/21 16:09	03/12/21 21:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*21*		*10 - 150*	*03/12/21 16:09*	*03/12/21 21:49*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		03/13/21 07:53	03/14/21 00:21	1
3 & 4 Methylphenol	10	U	10	0.64	ug/L		03/13/21 07:53	03/14/21 00:21	1
Acenaphthene	10	U	10	1.1	ug/L		03/13/21 07:53	03/14/21 00:21	1
Acenaphthylene	10	U	10	0.82	ug/L		03/13/21 07:53	03/14/21 00:21	1
Anthracene	10	U	10	1.3	ug/L		03/13/21 07:53	03/14/21 00:21	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/13/21 07:53	03/14/21 00:21	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/13/21 07:53	03/14/21 00:21	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/13/21 07:53	03/14/21 00:21	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/13/21 07:53	03/14/21 00:21	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/13/21 07:53	03/14/21 00:21	1
Chrysene	10	U	10	0.91	ug/L		03/13/21 07:53	03/14/21 00:21	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/13/21 07:53	03/14/21 00:21	1
Dibenzofuran	10	U	10	1.1	ug/L		03/13/21 07:53	03/14/21 00:21	1
Fluoranthene	10	U	10	0.84	ug/L		03/13/21 07:53	03/14/21 00:21	1
Fluorene	10	U	10	0.91	ug/L		03/13/21 07:53	03/14/21 00:21	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/13/21 07:53	03/14/21 00:21	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/13/21 07:53	03/14/21 00:21	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/13/21 07:53	03/14/21 00:21	1
Pentachlorophenol	30	U	30	1.4	ug/L		03/13/21 07:53	03/14/21 00:21	1
Phenanthrene	10	U	10	1.3	ug/L		03/13/21 07:53	03/14/21 00:21	1
Phenol	10	U	10	0.29	ug/L		03/13/21 07:53	03/14/21 00:21	1
Pyrene	10	U	10	1.6	ug/L		03/13/21 07:53	03/14/21 00:21	1

Client Sample ID: FB031021 Lab Sample ID: 460-229719-4

Date Collected: 03/10/21 15:50 **Matrix: Water**
Date Received: 03/11/21 17:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*33 - 150*	*03/13/21 07:53*	*03/14/21 00:21*	*1*
2-Fluorobiphenyl	*72*		*42 - 127*	*03/13/21 07:53*	*03/14/21 00:21*	*1*
2-Fluorophenol (Surr)	*45*		*18 - 72*	*03/13/21 07:53*	*03/14/21 00:21*	*1*
Nitrobenzene-d5 (Surr)	*75*		*46 - 137*	*03/13/21 07:53*	*03/14/21 00:21*	*1*
Phenol-d5 (Surr)	*39*		*10 - 50*	*03/13/21 07:53*	*03/14/21 00:21*	*1*
Terphenyl-d14 (Surr)	*93*		*39 - 150*	*03/13/21 07:53*	*03/14/21 00:21*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.020	U	0.020	0.0060	ug/L		03/12/21 16:16	03/15/21 08:54	1
4,4'-DDE	0.020	U	0.020	0.0020	ug/L		03/12/21 16:16	03/15/21 08:54	1
4,4'-DDT	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:54	1
Aldrin	0.020	U	0.020	0.0030	ug/L		03/12/21 16:16	03/15/21 08:54	1
alpha-BHC	0.020	U	0.020	0.0070	ug/L		03/12/21 16:16	03/15/21 08:54	1
beta-BHC	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:54	1
cis-Chlordane	0.020	U	0.020	0.0020	ug/L		03/12/21 16:16	03/15/21 08:54	1
delta-BHC	0.020	U	0.020	0.0050	ug/L		03/12/21 16:16	03/15/21 08:54	1
Dieldrin	0.020	U	0.020	0.0030	ug/L		03/12/21 16:16	03/15/21 08:54	1
Endosulfan I	0.020	U	0.020	0.0020	ug/L		03/12/21 16:16	03/15/21 08:54	1
Endosulfan II	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:54	1
Endosulfan sulfate	0.020	U	0.020	0.0060	ug/L		03/12/21 16:16	03/15/21 08:54	1
Endrin	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:54	1
Endrin aldehyde	0.020	U	0.020	0.0080	ug/L		03/12/21 16:16	03/15/21 08:54	1
Endrin ketone	0.020	U	0.020	0.0080	ug/L		03/12/21 16:16	03/15/21 08:54	1
gamma-BHC (Lindane)	0.020	U	0.020	0.012	ug/L		03/12/21 16:16	03/15/21 08:54	1
Heptachlor	0.020	U	0.020	0.0030	ug/L		03/12/21 16:16	03/15/21 08:54	1
Heptachlor epoxide	0.020	U	0.020	0.0050	ug/L		03/12/21 16:16	03/15/21 08:54	1
Methoxychlor	0.020	U	0.020	0.0040	ug/L		03/12/21 16:16	03/15/21 08:54	1
Toxaphene	0.50	U	0.50	0.11	ug/L		03/12/21 16:16	03/15/21 08:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*17*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:54*	*1*
DCB Decachlorobiphenyl	*23*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:54*	*1*
Tetrachloro-m-xylene	*56*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:54*	*1*
Tetrachloro-m-xylene	*57*		*10 - 150*	*03/12/21 16:16*	*03/15/21 08:54*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 11:55	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 11:55	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 11:55	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 11:55	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 11:55	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/12/21 16:12	03/15/21 11:55	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/12/21 16:12	03/15/21 11:55	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/12/21 16:12	03/15/21 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*31*		*10 - 138*	*03/12/21 16:12*	*03/15/21 11:55*	*1*
DCB Decachlorobiphenyl	*33*		*10 - 138*	*03/12/21 16:12*	*03/15/21 11:55*	*1*
Tetrachloro-m-xylene	*74*		*10 - 150*	*03/12/21 16:12*	*03/15/21 11:55*	*1*

Client Sample ID: FB031021

Date Collected: 03/10/21 15:50
Date Received: 03/11/21 17:00

Lab Sample ID: 460-229719-4

Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*10 - 150*	*03/12/21 16:12*	*03/15/21 11:55*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	1.2	U	1.2	0.12	ug/L		03/12/21 22:39	03/15/21 12:09	1
2,4-D	1.2	U	1.2	0.13	ug/L		03/12/21 22:39	03/15/21 12:09	1
Silvex (2,4,5-TP)	1.2	U	1.2	0.11	ug/L		03/12/21 22:39	03/15/21 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*91*		*28 - 150*	*03/12/21 22:39*	*03/15/21 12:09*	*1*
2,4-Dichlorophenylacetic acid	*98*		*28 - 150*	*03/12/21 22:39*	*03/15/21 12:09*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.39	U	4.39	2.11	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluoropentanoic acid (PFPeA)	1.76	U	1.76	0.43	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorohexanoic acid (PFHxA)	1.76	U	1.76	0.51	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluoroheptanoic acid (PFHpA)	1.76	U	1.76	0.22	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorooctanoic acid (PFOA)	1.76	U	1.76	0.75	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorononanoic acid (PFNA)	1.76	U	1.76	0.24	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorodecanoic acid (PFDA)	1.76	U	1.76	0.27	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluoroundecanoic acid (PFUnA)	1.76	U	1.76	0.97	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorododecanoic acid (PFDoA)	1.76	U	1.76	0.48	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorotridecanoic acid (PFTriA)	1.76	U	1.76	1.14	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorotetradecanoic acid (PFTeA)	1.76	U	1.76	0.64	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorobutanesulfonic acid (PFBS)	1.76	U	1.76	0.18	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorohexanesulfonic acid (PFHxS)	1.76	U	1.76	0.50	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.76	U	1.76	0.17	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorooctanesulfonic acid (PFOS)	1.76	U	1.76	0.47	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorodecanesulfonic acid (PFDS)	1.76	U	1.76	0.28	ng/L		03/17/21 19:24	03/20/21 09:09	1
Perfluorooctanesulfonamide (FOSA)	1.76	U	1.76	0.86	ng/L		03/17/21 19:24	03/20/21 09:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.39	U	4.39	1.05	ng/L		03/17/21 19:24	03/20/21 09:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.39	U	4.39	1.14	ng/L		03/17/21 19:24	03/20/21 09:09	1
6:2 FTS	4.39	U	4.39	2.20	ng/L		03/17/21 19:24	03/20/21 09:09	1
8:2 FTS	1.76	U	1.76	0.40	ng/L		03/17/21 19:24	03/20/21 09:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*
13C5 PFPeA	*103*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*
13C2 PFHxA	*103*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*
13C4 PFHpA	*105*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*
13C4 PFOA	*106*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*
13C5 PFNA	*112*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*
13C2 PFDA	*117*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*
13C2 PFUnA	*120*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*
13C2 PFDoA	*103*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*
13C2 PFTeDA	*110*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*
13C3 PFBS	*105*		*25 - 150*	*03/17/21 19:24*	*03/20/21 09:09*	*1*

Client Sample ID: FB031021

Lab Sample ID: 460-229719-4

Date Collected: 03/10/21 15:50
Matrix: Water
Date Received: 03/11/21 17:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	116		25 - 150	03/17/21 19:24	03/20/21 09:09	1
13C4 PFOS	110		25 - 150	03/17/21 19:24	03/20/21 09:09	1
13C8 FOSA	116		25 - 150	03/17/21 19:24	03/20/21 09:09	1
d3-NMeFOSAA	111		25 - 150	03/17/21 19:24	03/20/21 09:09	1
d5-NEtFOSAA	114		25 - 150	03/17/21 19:24	03/20/21 09:09	1
M2-6:2 FTS	105		25 - 150	03/17/21 19:24	03/20/21 09:09	1
M2-8:2 FTS	124		25 - 150	03/17/21 19:24	03/20/21 09:09	1

Client Sample ID: ISP SO 4-2 (51-53)

Lab Sample ID: 460-229719-5

Date Collected: 03/10/21 14:30
Matrix: Solid
Date Received: 03/11/21 17:00
Percent Solids: 83.1

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00020	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
1,1-Dichloroethene	0.00099	U	0.00099	0.00022	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00035	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
1,2,4-Trimethylbenzene	0.00099	U J	0.00099	0.00024	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
1,2-Dichlorobenzene	0.00099	U J	0.00099	0.00036	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
1,3,5-Trimethylbenzene	0.00099	U J	0.00099	0.00031	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
1,3-Dichlorobenzene	0.00099	U J	0.00099	0.00036	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
1,4-Dichlorobenzene	0.00099	U J	0.00099	0.00022	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
2-Butanone (MEK)	0.0049	U J	0.0049	0.00036	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Benzene	0.00099	U J	0.00099	0.00025	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Carbon tetrachloride	0.00099	U	0.00099	0.00038	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Chlorobenzene	0.00099	U J	0.00099	0.00017	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Chloroform	0.00099	U J	0.00099	0.00096	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Chloromethane	0.00099	U* J	0.00099	0.00043	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00035	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Ethylbenzene	0.00099	U	0.00099	0.00020	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Methyl tert-butyl ether	0.00099	U J	0.00099	0.00050	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Methylene Chloride	0.0020	U J	0.0020	0.0011	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
m-Xylene & p-Xylene	0.00099	U J	0.00099	0.00017	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
n-Butylbenzene	0.00099	U* J	0.00099	0.00029	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
N-Propylbenzene	0.00099	U J	0.00099	0.00017	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
o-Xylene	0.00099	U J	0.00099	0.00019	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
sec-Butylbenzene	0.00099	U J	0.00099	0.00028	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
tert-Butylbenzene	0.00099	U J	0.00099	0.00027	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Tetrachloroethene	0.00099	U	0.00099	0.00030	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Toluene 0.00099	~~0.00026~~ ~~J B~~ UB		0.00099	0.00023	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1
Vinyl chloride	0.00099	U* J	0.00099	0.00054	mg/Kg	☼	03/12/21 02:00	03/13/21 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 145	03/12/21 02:00	03/13/21 19:13	1
4-Bromofluorobenzene	98		70 - 139	03/12/21 02:00	03/13/21 19:13	1

Client Sample ID: ISP SO 4-2 (51-53) Lab Sample ID: 460-229719-5

Date Collected: 03/10/21 14:30 **Matrix: Solid**
Date Received: 03/11/21 17:00 **Percent Solids: 83.1**

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	112		48 - 150	03/12/21 02:00	03/13/21 19:13	1
Toluene-d8 (Surr)	102		80 - 120	03/12/21 02:00	03/13/21 19:13	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.12	U J	0.12	0.035	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
2-Methylphenol	0.40	U J	0.40	0.015	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
3 & 4 Methylphenol	0.40	U J	0.40	0.025	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Acenaphthene	0.40	U	0.40	0.011	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Acenaphthylene	0.40	U J	0.40	0.0040	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Anthracene	0.40	U J	0.40	0.012	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Benzo[a]anthracene	0.040	U J	0.040	0.014	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Benzo[a]pyrene	0.040	U J	0.040	0.011	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Benzo[b]fluoranthene	0.040	U J	0.040	0.010	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Benzo[g,h,i]perylene	0.40	U J	0.40	0.012	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Benzo[k]fluoranthene	0.040	U J	0.040	0.0078	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Chrysene	0.40	U J	0.40	0.0067	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Dibenz(a,h)anthracene	0.040	U J	0.040	0.017	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Dibenzofuran	0.40	U J	0.40	0.0056	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Fluoranthene	0.40	U J	0.40	0.014	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Fluorene	0.40	U J	0.40	0.0054	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Hexachlorobenzene	0.040	U J	0.040	0.019	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Indeno[1,2,3-cd]pyrene	0.040	U	0.040	0.016	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Naphthalene	0.40	U J	0.40	0.0069	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Pentachlorophenol	0.32	U J	0.32	0.082	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Phenanthrene	0.40	U J	0.40	0.0070	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Phenol	0.40	U J	0.40	0.015	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1
Pyrene	0.40	U J	0.40	0.0099	mg/Kg	☼	03/14/21 16:06	03/14/21 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		10 - 123	03/14/21 16:06	03/14/21 21:41	1
2-Fluorobiphenyl	55		14 - 103	03/14/21 16:06	03/14/21 21:41	1
2-Fluorophenol (Surr)	55		10 - 105	03/14/21 16:06	03/14/21 21:41	1
Nitrobenzene-d5 (Surr)	55		11 - 104	03/14/21 16:06	03/14/21 21:41	1
Phenol-d5 (Surr)	58		15 - 100	03/14/21 16:06	03/14/21 21:41	1
Terphenyl-d14 (Surr)	64		12 - 126	03/14/21 16:06	03/14/21 21:41	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0081	U	0.0081	0.0014	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
4,4'-DDE	0.0081	U	0.0081	0.00095	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
4,4'-DDT	0.0081	U	0.0081	0.0015	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Aldrin	0.0081	U	0.0081	0.0012	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
alpha-BHC	0.0024	U	0.0024	0.00082	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
beta-BHC	0.0024	U	0.0024	0.00090	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
cis-Chlordane	0.0081	U	0.0081	0.0013	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
delta-BHC	0.0024	U	0.0024	0.00049	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Dieldrin	0.0024	U	0.0024	0.0010	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Endosulfan I	0.0081	U	0.0081	0.0012	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Endosulfan II	0.0081	U	0.0081	0.0021	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1

Client Sample ID: ISP SO 4-2 (51-53) Lab Sample ID: 460-229719-5

Date Collected: 03/10/21 14:30 **Matrix: Solid**
Date Received: 03/11/21 17:00 **Percent Solids: 83.1**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0081	U	0.0081	0.0010	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Endrin	0.0081	U	0.0081	0.0012	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Endrin aldehyde	0.0081	U	0.0081	0.0019	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Endrin ketone	0.0081	U	0.0081	0.0016	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
gamma-BHC (Lindane)	0.0024	U	0.0024	0.00075	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Heptachlor	0.0081	U	0.0081	0.00095	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Heptachlor epoxide	0.0081	U	0.0081	0.0012	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Methoxychlor	0.0081	U	0.0081	0.0018	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1
Toxaphene	0.081	U	0.081	0.029	mg/Kg	☼	03/12/21 10:33	03/15/21 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*10 - 150*	*03/12/21 10:33*	*03/15/21 11:46*	*1*
DCB Decachlorobiphenyl	*62*		*10 - 150*	*03/12/21 10:33*	*03/15/21 11:46*	*1*
Tetrachloro-m-xylene	*54*		*10 - 133*	*03/12/21 10:33*	*03/15/21 11:46*	*1*
Tetrachloro-m-xylene	*58*		*10 - 133*	*03/12/21 10:33*	*03/15/21 11:46*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.081	U	0.081	0.011	mg/Kg	☼	03/12/21 10:30	03/15/21 14:50	1
Aroclor 1221	0.081	U	0.081	0.011	mg/Kg	☼	03/12/21 10:30	03/15/21 14:50	1
Aroclor 1232	0.081	U	0.081	0.011	mg/Kg	☼	03/12/21 10:30	03/15/21 14:50	1
Aroclor 1242	0.081	U	0.081	0.011	mg/Kg	☼	03/12/21 10:30	03/15/21 14:50	1
Aroclor 1248	0.081	U	0.081	0.011	mg/Kg	☼	03/12/21 10:30	03/15/21 14:50	1
Aroclor 1254	0.081	U	0.081	0.011	mg/Kg	☼	03/12/21 10:30	03/15/21 14:50	1
Aroclor 1260	0.081	U	0.081	0.011	mg/Kg	☼	03/12/21 10:30	03/15/21 14:50	1
Polychlorinated biphenyls, Total	0.081	U	0.081	0.011	mg/Kg	☼	03/12/21 10:30	03/15/21 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*37 - 150*	*03/12/21 10:30*	*03/15/21 14:50*	*1*
DCB Decachlorobiphenyl	*96*		*37 - 150*	*03/12/21 10:30*	*03/15/21 14:50*	*1*
Tetrachloro-m-xylene	*107*		*54 - 150*	*03/12/21 10:30*	*03/15/21 14:50*	*1*
Tetrachloro-m-xylene	*105*		*54 - 150*	*03/12/21 10:30*	*03/15/21 14:50*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.040	U	0.040	0.0085	mg/Kg	☼	03/16/21 01:23	03/16/21 12:43	1
2,4-D	0.040	U	0.040	0.015	mg/Kg	☼	03/16/21 01:23	03/16/21 12:43	1
Silvex (2,4,5-TP)	0.040	U	0.040	0.0042	mg/Kg	☼	03/16/21 01:23	03/16/21 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*97*		*65 - 150*	*03/16/21 01:23*	*03/16/21 12:43*	*1*
2,4-Dichlorophenylacetic acid	*94*		*65 - 150*	*03/16/21 01:23*	*03/16/21 12:43*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.031**	**J**	0.22	0.031	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluoropentanoic acid (PFPeA)	**0.10**	**J**	0.22	0.086	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.047	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.033	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.097	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.040	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1

Client Sample ID: ISP SO 4-2 (51-53) Lab Sample ID: 460-229719-5

Date Collected: 03/10/21 14:30 **Matrix: Solid**
Date Received: 03/11/21 17:00 **Percent Solids: 83.1**

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.025	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.040	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.075	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.057	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.061	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.028	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.035	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.039	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorooctanesulfonic acid (PFOS)	0.56	U	0.56	0.22	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.044	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.092	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.25	U	2.25	0.44	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.25	U	2.25	0.42	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
6:2 FTS	2.25	U	2.25	0.17	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1
8:2 FTS	2.25	U	2.25	0.28	ug/Kg	☼	03/16/21 05:07	03/21/21 15:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C5 PFPeA	*82*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C2 PFHxA	*99*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C4 PFHpA	*96*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C4 PFOA	*96*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C5 PFNA	*95*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C2 PFDA	*100*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C2 PFUnA	*104*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C2 PFDoA	*100*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C2 PFTeDA	*107*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C3 PFBS	*95*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
18O2 PFHxS	*91*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C4 PFOS	*95*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
13C8 FOSA	*94*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
d3-NMeFOSAA	*122*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
M2-6:2 FTS	*92*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	**141**		120	97.9	mg/Kg	☼		03/18/21 17:46	1

Client Sample ID: ISP SO 4-2 (42-44) Lab Sample ID: 460-229719-6

Date Collected: 03/10/21 13:00 **Matrix: Solid**
Date Received: 03/11/21 17:00 **Percent Solids: 90.5**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00097	U	0.00097	0.00023	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
1,1-Dichloroethane	0.00097	U	0.00097	0.00020	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
1,1-Dichloroethene	0.00097	U	0.00097	0.00022	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-229719-1

Client Sample ID: ISP SO 4-2 (42-44)

Date Collected: 03/10/21 13:00
Date Received: 03/11/21 17:00

Lab Sample ID: 460-229719-6

Matrix: Solid
Percent Solids: 90.5

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
1,2,4-Trimethylbenzene	0.00097	U	0.00097	0.00024	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
1,2-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
1,2-Dichloroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
1,3,5-Trimethylbenzene	0.00097	U	0.00097	0.00030	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
1,3-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
1,4-Dichlorobenzene	0.00097	U	0.00097	0.00022	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00036	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Acetone	**0.011**		0.0058	0.0055	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Benzene	0.00097	U	0.00097	0.00025	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Carbon tetrachloride	0.00097	U	0.00097	0.00038	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Chlorobenzene	0.00097	U	0.00097	0.00017	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Chloroform	0.00097	U	0.00097	0.00094	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Chloromethane	0.00097	U	0.00097	0.00042	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
cis-1,2-Dichloroethene	0.00097	U	0.00097	0.00035	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Ethylbenzene	0.00097	U	0.00097	0.00019	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Methyl tert-butyl ether	0.00097	U	0.00097	0.00050	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
m-Xylene & p-Xylene	0.00097	U	0.00097	0.00017	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
n-Butylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
N-Propylbenzene	0.00097	U	0.00097	0.00017	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
o-Xylene	0.00097	U	0.00097	0.00019	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
sec-Butylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
tert-Butylbenzene	0.00097	U	0.00097	0.00027	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Tetrachloroethene	0.00097	U	0.00097	0.00030	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Toluene 0.0097	~~0.00040~~	~~J B~~ UB	0.00097	0.00023	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
trans-1,2-Dichloroethene	0.00097	U	0.00097	0.00024	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Trichloroethene	0.00097	U	0.00097	0.00031	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1
Vinyl chloride	0.00097	U	0.00097	0.00053	mg/Kg	☼	03/12/21 02:02	03/13/21 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 145*	*03/12/21 02:02*	*03/13/21 15:32*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*03/12/21 02:02*	*03/13/21 15:32*	*1*
Dibromofluoromethane (Surr)	*112*		*48 - 150*	*03/12/21 02:02*	*03/13/21 15:32*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*03/12/21 02:02*	*03/13/21 15:32*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.11	U	0.11	0.032	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Acenaphthylene	0.36	U	0.36	0.0037	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Benzo[a]anthracene	0.036	U	0.036	0.013	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0095	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0072	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Chrysene	0.36	U	0.36	0.0062	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1

Client Sample ID: ISP SO 4-2 (42-44) Lab Sample ID: 460-229719-6

Date Collected: 03/10/21 13:00 **Matrix: Solid**
Date Received: 03/11/21 17:00 **Percent Solids: 90.5**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Dibenzofuran	0.36	U	0.36	0.0051	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Fluorene	0.36	U	0.36	0.0050	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Pentachlorophenol	**0.089**	**J**	0.29	0.075	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Phenanthrene	0.36	U	0.36	0.0064	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1
Pyrene	0.36	U	0.36	0.0091	mg/Kg	☼	03/14/21 16:06	03/14/21 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*10 - 123*	*03/14/21 16:06*	*03/14/21 22:33*	*1*
2-Fluorobiphenyl	*53*		*14 - 103*	*03/14/21 16:06*	*03/14/21 22:33*	*1*
2-Fluorophenol (Surr)	*55*		*10 - 105*	*03/14/21 16:06*	*03/14/21 22:33*	*1*
Nitrobenzene-d5 (Surr)	*44*		*11 - 104*	*03/14/21 16:06*	*03/14/21 22:33*	*1*
Phenol-d5 (Surr)	*57*		*15 - 100*	*03/14/21 16:06*	*03/14/21 22:33*	*1*
Terphenyl-d14 (Surr)	*64*		*12 - 126*	*03/14/21 16:06*	*03/14/21 22:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	03/12/21 10:33	03/15/21 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*10 - 150*	*03/12/21 10:33*	*03/15/21 12:10*	*1*
DCB Decachlorobiphenyl	*68*		*10 - 150*	*03/12/21 10:33*	*03/15/21 12:10*	*1*
Tetrachloro-m-xylene	*60*		*10 - 133*	*03/12/21 10:33*	*03/15/21 12:10*	*1*
Tetrachloro-m-xylene	*62*		*10 - 133*	*03/12/21 10:33*	*03/15/21 12:10*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-229719-1

Client Sample ID: ISP SO 4-2 (42-44)

Date Collected: 03/10/21 13:00
Date Received: 03/11/21 17:00

Lab Sample ID: 460-229719-6

Matrix: Solid
Percent Solids: 90.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.0098	mg/Kg	☼	03/12/21 10:30	03/15/21 15:57	1
Aroclor 1221	0.074	U	0.074	0.0098	mg/Kg	☼	03/12/21 10:30	03/15/21 15:57	1
Aroclor 1232	0.074	U	0.074	0.0098	mg/Kg	☼	03/12/21 10:30	03/15/21 15:57	1
Aroclor 1242	0.074	U	0.074	0.0098	mg/Kg	☼	03/12/21 10:30	03/15/21 15:57	1
Aroclor 1248	0.074	U	0.074	0.0098	mg/Kg	☼	03/12/21 10:30	03/15/21 15:57	1
Aroclor 1254	0.074	U	0.074	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:57	1
Aroclor 1260	0.074	U	0.074	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:57	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.010	mg/Kg	☼	03/12/21 10:30	03/15/21 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*37 - 150*	*03/12/21 10:30*	*03/15/21 15:57*	*1*
DCB Decachlorobiphenyl	*130*		*37 - 150*	*03/12/21 10:30*	*03/15/21 15:57*	*1*
Tetrachloro-m-xylene	*111*		*54 - 150*	*03/12/21 10:30*	*03/15/21 15:57*	*1*
Tetrachloro-m-xylene	*116*		*54 - 150*	*03/12/21 10:30*	*03/15/21 15:57*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.037	U	0.037	0.0078	mg/Kg	☼	03/16/21 01:23	03/16/21 12:58	1
2,4-D	0.037	U	0.037	0.013	mg/Kg	☼	03/16/21 01:23	03/16/21 12:58	1
Silvex (2,4,5-TP)	0.037	U	0.037	0.0038	mg/Kg	☼	03/16/21 01:23	03/16/21 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*99*		*65 - 150*	*03/16/21 01:23*	*03/16/21 12:58*	*1*
2,4-Dichlorophenylacetic acid	*95*		*65 - 150*	*03/16/21 01:23*	*03/16/21 12:58*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.080**	**J**	0.22	0.031	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluoropentanoic acid (PFPeA)	**0.32**		0.22	0.085	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.046	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.032	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.095	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.040	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.024	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.040	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.074	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.056	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.060	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.028	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.034	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.039	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorooctanesulfonic acid (PFOS)	0.55	U	0.55	0.22	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.043	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.090	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.21	U	2.21	0.43	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.21	U	2.21	0.41	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
6:2 FTS	2.21	U	2.21	0.17	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1
8:2 FTS	2.21	U	2.21	0.28	ug/Kg	☼	03/16/21 05:07	03/25/21 11:29	1

Client Sample ID: ISP SO 4-2 (42-44) Lab Sample ID: 460-229719-6

Date Collected: 03/10/21 13:00 **Matrix: Solid**
Date Received: 03/11/21 17:00 **Percent Solids: 90.5**

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C5 PFPeA	*92*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C2 PFHxA	*95*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C4 PFHpA	*96*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C4 PFOA	*97*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C5 PFNA	*100*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C2 PFDA	*94*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C2 PFUnA	*94*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C2 PFDoA	*95*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C3 PFBS	*92*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
18O2 PFHxS	*92*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C4 PFOS	*89*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
13C8 FOSA	*90*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
M2-6:2 FTS	*66*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*
M2-8:2 FTS	*67*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	**213**		110	89.8	mg/Kg	☼		03/18/21 18:35	1

Client Sample ID: ISP SO 4-2 (22.9-24.9) Lab Sample ID: 460-229719-7

Date Collected: 03/10/21 11:50 **Matrix: Solid**
Date Received: 03/11/21 17:00 **Percent Solids: 95.0**

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00024	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00033	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00024	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00039	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Acetone	**0.011**		0.0063	0.0060	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Benzene	0.0010	U	0.0010	0.00027	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Carbon tetrachloride	0.0010	U	0.0010	0.00041	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Chlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Chloromethane	0.0010	~~U~~ J	0.0010	0.00046	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Ethylbenzene	0.0010	U	0.0010	0.00021	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00054	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-229719-1

Client Sample ID: ISP SO 4-2 (22.9-24.9)

Date Collected: 03/10/21 11:50
Date Received: 03/11/21 17:00

Lab Sample ID: 460-229719-7

Matrix: Solid
Percent Solids: 95.0

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	0.0010	U ~~*~~ J	0.0010	0.00031	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Toluene 0.0010	~~0.00034~~ ~~J B~~ UB		0.0010	0.00024	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00026	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Trichloroethene	0.0010	U	0.0010	0.00034	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1
Vinyl chloride	0.0010	U ~~*~~ j	0.0010	0.00057	mg/Kg	☼	03/12/21 02:04	03/13/21 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 145*	*03/12/21 02:04*	*03/13/21 21:11*	*1*
4-Bromofluorobenzene	*93*		*70 - 139*	*03/12/21 02:04*	*03/13/21 21:11*	*1*
Dibromofluoromethane (Surr)	*110*		*48 - 150*	*03/12/21 02:04*	*03/13/21 21:11*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*03/12/21 02:04*	*03/13/21 21:11*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.11	U	0.11	0.030	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Acenaphthene	0.35	U	0.35	0.0099	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Acenaphthylene	0.35	U	0.35	0.0035	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Benzo[a]anthracene	0.035	U	0.035	0.012	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Benzo[a]pyrene	0.035	U	0.035	0.0093	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0090	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0068	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Chrysene	0.35	U	0.35	0.0059	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Dibenzofuran	0.35	U	0.35	0.0049	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Fluorene	0.35	U	0.35	0.0047	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Naphthalene	0.35	U	0.35	0.0060	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Pentachlorophenol	0.28	U	0.28	0.071	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Phenanthrene	0.35	U	0.35	0.0061	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1
Pyrene	0.35	U	0.35	0.0087	mg/Kg	☼	03/14/21 16:06	03/14/21 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*10 - 123*	*03/14/21 16:06*	*03/14/21 22:51*	*1*
2-Fluorobiphenyl	*48*		*14 - 103*	*03/14/21 16:06*	*03/14/21 22:51*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 105*	*03/14/21 16:06*	*03/14/21 22:51*	*1*
Nitrobenzene-d5 (Surr)	*49*		*11 - 104*	*03/14/21 16:06*	*03/14/21 22:51*	*1*
Phenol-d5 (Surr)	*51*		*15 - 100*	*03/14/21 16:06*	*03/14/21 22:51*	*1*
Terphenyl-d14 (Surr)	*61*		*12 - 126*	*03/14/21 16:06*	*03/14/21 22:51*	*1*

Client Sample ID: ISP SO 4-2 (22.9-24.9) Lab Sample ID: 460-229719-7

Date Collected: 03/10/21 11:50 **Matrix: Solid**
Date Received: 03/11/21 17:00 **Percent Solids: 95.0**

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
4,4'-DDE	0.0071	U	0.0071	0.00083	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
beta-BHC	0.0021	U	0.0021	0.00079	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
cis-Chlordane	0.0071	U	0.0071	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Endosulfan sulfate	0.0071	U	0.0071	0.00088	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Heptachlor	0.0071	U	0.0071	0.00083	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1
Toxaphene	0.071	U	0.071	0.025	mg/Kg	☼	03/12/21 10:33	03/15/21 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*10 - 150*	*03/12/21 10:33*	*03/15/21 12:23*	*1*
DCB Decachlorobiphenyl	*60*		*10 - 150*	*03/12/21 10:33*	*03/15/21 12:23*	*1*
Tetrachloro-m-xylene	*53*		*10 - 133*	*03/12/21 10:33*	*03/15/21 12:23*	*1*
Tetrachloro-m-xylene	*53*		*10 - 133*	*03/12/21 10:33*	*03/15/21 12:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	03/12/21 10:30	03/15/21 16:13	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	03/12/21 10:30	03/15/21 16:13	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	03/12/21 10:30	03/15/21 16:13	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	03/12/21 10:30	03/15/21 16:13	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	03/12/21 10:30	03/15/21 16:13	1
Aroclor 1254	0.071	U	0.071	0.0097	mg/Kg	☼	03/12/21 10:30	03/15/21 16:13	1
Aroclor 1260	0.071	U	0.071	0.0097	mg/Kg	☼	03/12/21 10:30	03/15/21 16:13	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.0097	mg/Kg	☼	03/12/21 10:30	03/15/21 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*37 - 150*	*03/12/21 10:30*	*03/15/21 16:13*	*1*
DCB Decachlorobiphenyl	*112*		*37 - 150*	*03/12/21 10:30*	*03/15/21 16:13*	*1*
Tetrachloro-m-xylene	*99*		*54 - 150*	*03/12/21 10:30*	*03/15/21 16:13*	*1*
Tetrachloro-m-xylene	*100*		*54 - 150*	*03/12/21 10:30*	*03/15/21 16:13*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	03/16/21 01:23	03/16/21 13:12	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	03/16/21 01:23	03/16/21 13:12	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	03/16/21 01:23	03/16/21 13:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-229719-1

Client Sample ID: ISP SO 4-2 (22.9-24.9)

Date Collected: 03/10/21 11:50
Date Received: 03/11/21 17:00

Lab Sample ID: 460-229719-7

Matrix: Solid
Percent Solids: 95.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*96*		*65 - 150*	*03/16/21 01:23*	*03/16/21 13:12*	*1*
2,4-Dichlorophenylacetic acid	*92*		*65 - 150*	*03/16/21 01:23*	*03/16/21 13:12*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.53**		0.20	0.028	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluoropentanoic acid (PFPeA)	**2.65**		0.20	0.077	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorohexanoic acid (PFHxA)	**0.22**		0.20	0.042	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.029	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.086	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.036	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.022	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.036	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.067	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.051	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.054	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.025	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.031	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.035	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorooctanesulfonic acid (PFOS) 0.50	~~**0.21**~~ ~~**J B**~~	UB	0.50	0.20	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.039	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.082	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.39	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.37	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
6:2 FTS	2.00	U	2.00	0.15	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1
8:2 FTS	2.00	U	2.00	0.25	ug/Kg	☼	03/16/21 05:07	03/25/21 11:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C5 PFPeA	*87*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C2 PFHxA	*95*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C4 PFHpA	*96*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C4 PFOA	*103*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C5 PFNA	*95*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C2 PFDA	*96*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C2 PFUnA	*100*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C2 PFDoA	*104*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C2 PFTeDA	*107*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C3 PFBS	*94*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
18O2 PFHxS	*88*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C4 PFOS	*93*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
13C8 FOSA	*91*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
d5-NEtFOSAA	*70*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
M2-6:2 FTS	*61*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*
M2-8:2 FTS	*59*		*25 - 150*	*03/16/21 05:07*	*03/25/21 11:39*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Long Island MacArthur Airport

Job ID: 460-229719-1

Client Sample ID: ISP SO 4-2 (22.9-24.9)

Lab Sample ID: 460-229719-7
Date Collected: 03/10/21 11:50
Matrix: Solid
Date Received: 03/11/21 17:00
Percent Solids: 95.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	**370**		105	85.6	mg/Kg	☼		03/18/21 18:43	1

Client Sample ID: REP031021

Lab Sample ID: 460-229719-8
Date Collected: 03/10/21 00:00
Matrix: Solid
Date Received: 03/11/21 17:00
Percent Solids: 94.3

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00045	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
2-Butanone (MEK)	0.0071	U	0.0071	0.00052	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Acetone	**0.0094**		0.0085	0.0081	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Benzene	0.0014	U	0.0014	0.00037	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Chloromethane	0.0014	U ~~*~~ J	0.0014	0.00062	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00073	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
n-Butylbenzene	0.0014	U ~~*~~ J	0.0014	0.00042	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
o-Xylene	0.0014	U	0.0014	0.00028	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
tert-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Toluene 0.0014	~~**0.00061**~~	~~**J B**~~ UB	0.0014	0.00033	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Trichloroethene	0.0014	U	0.0014	0.00046	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1
Vinyl chloride	0.0014	U ~~*~~ J	0.0014	0.00077	mg/Kg	☼	03/12/21 02:03	03/13/21 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*77 - 145*	*03/12/21 02:03*	*03/13/21 21:34*	*1*
4-Bromofluorobenzene	*102*		*70 - 139*	*03/12/21 02:03*	*03/13/21 21:34*	*1*
Dibromofluoromethane (Surr)	*122*		*48 - 150*	*03/12/21 02:03*	*03/13/21 21:34*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*	*03/12/21 02:03*	*03/13/21 21:34*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.11	U	0.11	0.031	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1

Client Sample ID: REP031021 — Lab Sample ID: 460-229719-8

Date Collected: 03/10/21 00:00 — **Matrix: Solid**
Date Received: 03/11/21 17:00 — **Percent Solids: 94.3**

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Acenaphthylene	0.35	U	0.35	0.0035	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Benzo[a]anthracene	0.035	U	0.035	0.012	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Benzo[a]pyrene	0.035	U	0.035	0.0094	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0091	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Chrysene	0.35	U	0.35	0.0059	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Dibenzofuran	0.35	U	0.35	0.0049	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Fluorene	0.35	U	0.35	0.0048	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Phenanthrene	0.35	U	0.35	0.0062	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1
Pyrene	0.35	U	0.35	0.0087	mg/Kg	☼	03/14/21 16:06	03/14/21 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*10 - 123*	*03/14/21 16:06*	*03/14/21 23:08*	*1*
2-Fluorobiphenyl	*54*		*14 - 103*	*03/14/21 16:06*	*03/14/21 23:08*	*1*
2-Fluorophenol (Surr)	*55*		*10 - 105*	*03/14/21 16:06*	*03/14/21 23:08*	*1*
Nitrobenzene-d5 (Surr)	*58*		*11 - 104*	*03/14/21 16:06*	*03/14/21 23:08*	*1*
Phenol-d5 (Surr)	*57*		*15 - 100*	*03/14/21 16:06*	*03/14/21 23:08*	*1*
Terphenyl-d14 (Surr)	*64*		*12 - 126*	*03/14/21 16:06*	*03/14/21 23:08*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
cis-Chlordane	0.0071	U	0.0071	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1

Client Sample ID: REP031021 — Lab Sample ID: 460-229719-8

Date Collected: 03/10/21 00:00 — **Matrix: Solid**
Date Received: 03/11/21 17:00 — **Percent Solids: 94.3**

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	03/12/21 10:33	03/15/21 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*10 - 150*	*03/12/21 10:33*	*03/15/21 12:35*	*1*
DCB Decachlorobiphenyl	*61*		*10 - 150*	*03/12/21 10:33*	*03/15/21 12:35*	*1*
Tetrachloro-m-xylene	*53*		*10 - 133*	*03/12/21 10:33*	*03/15/21 12:35*	*1*
Tetrachloro-m-xylene	*56*		*10 - 133*	*03/12/21 10:33*	*03/15/21 12:35*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.0094	mg/Kg	☼	03/12/21 10:30	03/15/21 16:30	1
Aroclor 1221	0.071	U	0.071	0.0094	mg/Kg	☼	03/12/21 10:30	03/15/21 16:30	1
Aroclor 1232	0.071	U	0.071	0.0094	mg/Kg	☼	03/12/21 10:30	03/15/21 16:30	1
Aroclor 1242	0.071	U	0.071	0.0094	mg/Kg	☼	03/12/21 10:30	03/15/21 16:30	1
Aroclor 1248	0.071	U	0.071	0.0094	mg/Kg	☼	03/12/21 10:30	03/15/21 16:30	1
Aroclor 1254	0.071	U	0.071	0.0098	mg/Kg	☼	03/12/21 10:30	03/15/21 16:30	1
Aroclor 1260	0.071	U	0.071	0.0098	mg/Kg	☼	03/12/21 10:30	03/15/21 16:30	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.0098	mg/Kg	☼	03/12/21 10:30	03/15/21 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*37 - 150*	*03/12/21 10:30*	*03/15/21 16:30*	*1*
DCB Decachlorobiphenyl	*126*		*37 - 150*	*03/12/21 10:30*	*03/15/21 16:30*	*1*
Tetrachloro-m-xylene	*105*		*54 - 150*	*03/12/21 10:30*	*03/15/21 16:30*	*1*
Tetrachloro-m-xylene	*112*		*54 - 150*	*03/12/21 10:30*	*03/15/21 16:30*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.035	U	0.035	0.0075	mg/Kg	☼	03/16/21 01:23	03/16/21 13:26	1
2,4-D	0.035	U	0.035	0.013	mg/Kg	☼	03/16/21 01:23	03/16/21 13:26	1
Silvex (2,4,5-TP)	0.035	U	0.035	0.0037	mg/Kg	☼	03/16/21 01:23	03/16/21 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*100*		*65 - 150*	*03/16/21 01:23*	*03/16/21 13:26*	*1*
2,4-Dichlorophenylacetic acid	*97*		*65 - 150*	*03/16/21 01:23*	*03/16/21 13:26*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.56**		0.21	0.029	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluoropentanoic acid (PFPeA)	**2.83**		0.21	0.080	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorohexanoic acid (PFHxA)	**0.23**		0.21	0.044	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluoroheptanoic acid (PFHpA)	0.21	U	0.21	0.030	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorooctanoic acid (PFOA)	0.21	U	0.21	0.089	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.037	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorodecanoic acid (PFDA)	0.21	U	0.21	0.023	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.037	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.070	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.053	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorotetradecanoic acid (PFTeA)	0.21	U	0.21	0.056	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.026	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1

Client Sample ID: REP031021 — Lab Sample ID: 460-229719-8

Date Collected: 03/10/21 00:00 — **Matrix: Solid**
Date Received: 03/11/21 17:00 — **Percent Solids: 94.3**

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.032	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.21	U	0.21	0.036	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorooctanesulfonic acid (PFOS)	0.52	U	0.52	0.21	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorodecanesulfonic acid (PFDS)	0.21	U	0.21	0.040	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.085	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.08	U	2.08	0.40	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.08	U	2.08	0.38	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
6:2 FTS	2.08	U	2.08	0.16	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1
8:2 FTS	2.08	U	2.08	0.26	ug/Kg	☼	03/16/21 05:07	03/21/21 15:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C5 PFPeA	*80*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C2 PFHxA	*93*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C4 PFHpA	*96*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C4 PFOA	*94*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C5 PFNA	*90*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C2 PFDA	*101*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C2 PFUnA	*100*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C2 PFDoA	*101*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C3 PFBS	*93*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
18O2 PFHxS	*93*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C4 PFOS	*93*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
13C8 FOSA	*95*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
d3-NMeFOSAA	*121*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
M2-6:2 FTS	*85*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*03/16/21 05:07*	*03/21/21 15:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Result 1	**570**		106	86.3	mg/Kg	☼		03/18/21 18:51	1

Client Sample ID: Tote03112021 — Lab Sample ID: 460-229719-9

Date Collected: 03/11/21 08:00 — **Matrix: Water**
Date Received: 03/11/21 17:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.56	U	4.56	2.19	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluoropentanoic acid (PFPeA)	**0.99**	**J**	1.82	0.45	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorohexanoic acid (PFHxA)	**1.13**	**J**	1.82	0.53	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluoroheptanoic acid (PFHpA)	**0.40**	**J**	1.82	0.23	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorooctanoic acid (PFOA)	**1.21**	**J**	1.82	0.77	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorononanoic acid (PFNA)	1.82	U	1.82	0.25	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorodecanoic acid (PFDA)	1.82	U	1.82	0.28	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluoroundecanoic acid (PFUnA)	1.82	U	1.82	1.00	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorododecanoic acid (PFDoA)	1.82	U	1.82	0.50	ng/L		03/24/21 04:21	03/25/21 01:56	1

Client Sample ID: Tote03112021

Date Collected: 03/11/21 08:00
Date Received: 03/11/21 17:00

Lab Sample ID: 460-229719-9

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTriA)	1.82	U	1.82	1.18	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorotetradecanoic acid (PFTeA)	1.82	U	1.82	0.67	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorobutanesulfonic acid (PFBS)	**0.51**	**J**	1.82	0.18	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorohexanesulfonic acid (PFHxS)	**1.19**	**J**	1.82	0.52	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.82	U	1.82	0.17	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorooctanesulfonic acid (PFOS)	**1.95**		1.82	0.49	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorodecanesulfonic acid (PFDS)	1.82	U	1.82	0.29	ng/L		03/24/21 04:21	03/25/21 01:56	1
Perfluorooctanesulfonamide (FOSA)	1.82	U	1.82	0.89	ng/L		03/24/21 04:21	03/25/21 01:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.56	U	4.56	1.09	ng/L		03/24/21 04:21	03/25/21 01:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.56	U	4.56	1.18	ng/L		03/24/21 04:21	03/25/21 01:56	1
6:2 FTS	4.56	U	4.56	2.28	ng/L		03/24/21 04:21	03/25/21 01:56	1
8:2 FTS	1.82	U	1.82	0.42	ng/L		03/24/21 04:21	03/25/21 01:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*111*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C5 PFPeA	*100*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C2 PFHxA	*113*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C4 PFHpA	*110*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C4 PFOA	*110*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C5 PFNA	*121*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C2 PFDA	*115*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C2 PFUnA	*114*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C2 PFDoA	*118*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C2 PFTeDA	*117*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C3 PFBS	*108*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
18O2 PFHxS	*112*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C4 PFOS	*108*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
13C8 FOSA	*111*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
M2-6:2 FTS	*83*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*
M2-8:2 FTS	*84*		*25 - 150*	*03/24/21 04:21*	*03/25/21 01:56*	*1*

Appendix I

Category B Analytical Laboratory Reports

Note: Category B Reports are too large to work with capacity of the SharePoint. Reports were submitted in flash drive to NYSDEC and NYSDOH in December 2021.

Appendix J

Foam Usage History

Appendix J
Firefighting Foam Usage History
Long Island MacArthur Airport
Ronkonkoma, New York

ARCADIS

Time Frame	Fire Department Practices[1]	Fire Fighting Foam Products[2]			
		Year	Product Description	Volumn per Unit (gal)	Total Volume per Year (gal)
Mid-1940's until 1980's	Ansul protein-based firefighting foam products were used on Site.	Prior to 1988	Ansul protein based firefighting foam made from fish products was used prior to 1988.	NA	NA
1988 - 1995[3]	**AOPC#3**: Hot training was performed once or twice a year in October at the burn road (at a clearing to the east and off echo runway). Airplane fuelselage and fire pits containing aviation and jet fuel donated from Hudson Aviation was set on fire and extinguished. Events occured over two days. Foam was typically drawn from 5-gallon pails containing a foam inductor and dispersed from fire hoses. Chemguard foam inductor mix ratio was set at 6% foam to water; later in the 1980s the mix ratio was changed to 3% foam. **Sitewide**: Chief Gillette recalls that during his tenure, foam was used to extinguish a helicopter crash fire that occured at the taxiway, and also dispersed for a gasoline spill that occured at Herring Drive.	1988	In 1988 the Airport converted to Chemguard AFFF which was a military specification firefighting foam.	NA	NA
		1999	Invoice items listed with no item description: C301P, PP1003	5	250
1996 - 2004[4]	AFFF purchase records available. Chief Tomassone whose tenure at the airport began in 1996 only responded to emergencies during his earlier career at the airport. He could not provide further details on department practices prior to 2004.	2000	3% Mil Spec AFFF Pail, PP1003 (invoice item listed with no item description)	5	350
		2001	3% Mil Spec AFFF Pail	5	300
		2002	3% Mil Spec AFFF Pail, PK Pail	5	550
		2003	3% Mil Spec AFFF Pail, PK Pail	5	360
2004 - 2019[4, 5]	**AOPC#5**: Foam testing was primarily performed at the north side of the Old Firehouse in the parking lot area. Fire truck would setup north of the Old Firehouse and direct foam southwest toward the firehouse into a collection pail with 5-gallon catch bucket that was bolted onto the pavement. Foam would spray out over 60 feet and cover a swath of approximately 25 feet at the end of its arc. **AOPC#4**: On windy days, the foam testing would be performed at AOPC#4. Foam would be sprayed from fire truck turrets onto the sidewall of a cargo storage container [situated at the eastern edge of training area clearing] where it would splash down into the collection pail and 5-gallon catch bucket for sampling and also to the surrounding ground. **AOPC#6**: Most of the time after foam testing, firetrucks were connected to the hydrant near the SCWA ground storage tank booster station [at the western portion of the airport near Smithtown Avenue] to flush out maybe 3 times.	2004	3% Mil Spec AFFF Pail, PK Pail	5	350
		2005	(C301P) 3% Mil Spec AFFF Pail, Fire Extinguishing Chemical *non-hazardous* (PP1003) No Info Available	5	250
		2006	3% Mil Spec AFFF Pail, PK Powder Pail	5	350
		2007	3% MS-AFFF Mil Spec Foam, Purple- K Dry Chem	5	350
		2008	3% Mil Spec AFFF Pail, PK Dry Chemical Fire Extinguishing Powder Pail	5	400
		2011	C301MSP-3% AFFF Military Specification Foam, PK- 40% Dry Chemical Fire Extinguishing Powder	5	225
		2012	PK- 40% Dry Chemical Fire Extinguishing Powder Pail, C301MSP-3% AFFF Military Sp	5	170
		2014	C301MSP-3% AFFF Military Specification Foam, PK- 40% Dry Chemical Fire Extinguishing Powder Pail	5	170
		2015	C301MSP-3% AFFF Military Specification Foam	5	175
		2016	ChemGuard, #C301-MS-P, Premium 3% MS-AFFF Concentrate. MIL Spec.	5	125
		2017	Dry Chemical # 13512, AFFF C306-MS-C	5	200
		2018	Williams PKW, #423650 (a dry-chemical), #C306-MS-C-P Premium 3% MS-AFFF Concentrate. MIL Spec #MIL- F-24385F.	5	225
2019 - Present[6]	The Fire Deparment acquired two (2) fire trucks with "Eco-Foam" system approved for use by the FAA. The first truck is in service since June 2019; the second truck is in service since October 2019. "Eco-Foam" system is a test mode of the computer in the trucks that analyzes and records the flow of water through turrets and percentage of foam being dispensed during the test mode simulation, without the need of actually dispersing foam product to test the required three percent (3%) foam to 97% water mixing ratio. The computer test simulation is then downloaded from computer to a USB flash drive. The data is accepted by the FAA for Part 139 testing requirements. The last physical foam testing using the older fire trucks occurred on 3/20/2019. Tests performed after that date used the new computerized method in the new trucks. There have been no emergency response incidents involving foam usage during this time period either.	2022	Chemguard 3% Milspec is still stored on the Eco-friendly fire trucks but not dispersed during training. Foam invoices for this time period are unavailable at this time.		

Notes and Abbreviations:

(1) Information from interviews with historical and current Fire Chiefs for the airport Fire Department. Refer to Records Search Report (Arcadis 2019) for further details.

(2) Historical invoices provided by the fire Department list foam products and volume. Refer to Records Search Report (Arcadis 2019) for further details.

(3) Fire Chief Gilette provided information on the Fire Department's practices from the 1980's to 1995 during a 2019 interview with Arcadis.

(4) Fire Chief Tomassone provided information on the Fire Department's practices from 1996 to 2019 during a 2019 interview with Arcadis.

(5) Fire Chief Cinotti provided information on the Fire Department's practices from 2004 to 2019 during a 2019 interview with Arcadis.

(6) Fire Chief Cinotti provided information on the Fire Department's Eco-Friendly fire trucks from 2019 to present during a 2022 phone call with Arcadis and an email dated 3/7/2022.

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