
SITE CHARACTERIZATION REPORT

TOWNSEND AVENUE

SITE NUMBER 851072

Prepared For:



**Department of
Environmental
Conservation**

New York State Department of Environmental Conservation
Division of Environmental Remediation

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Certification

“I, Thomas Drachenberg, certify that I am currently a New York state registered professional engineer as defined in 6 NYCRR Part 375 and that this Site Characterization 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 DER-approved modifications.”



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11/19/2024

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LIST OF ACRONYMS

Acronym	Definition
ABG	ash, brick, and/or glass
bgs	below ground surface
CAMP	Community Air Monitoring Plan
DOT	U.S. Department of Transportation
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Accreditation Program
FAP	Field Activities Plan
IDW	investigation-derived waste
NAD	North American Datum
NAVD	North American Vertical Datum
NYCRR	New York Code of Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated biphenyls
PFAS	per- and polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
PID	Photoionization detector
PSHEP	Project Safety, Health, and Environmental Plan
PVC	polyvinyl chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
SCO	Soil Cleanup Objective
SGV	Standards and Guidance Values
SOP	Standard Operating Procedure
Subject material	Ash, brick, and/or glass
SVOC	semivolatile organic compound
TCLP	toxicity characteristic leaching procedure
TOGS	Technical and Operational Guidance Series
USCS	Unified Soil Classification System
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

SECTION 1 INTRODUCTION

This Site Characterization Report presents the results of site characterization efforts conducted at Townsend Avenue (Site Number 851072) in Corning, New York.

Site characterization efforts were completed to identify potential impacts to the site as a result of the presence of fill that consists of ash, brick, and/or glass (ABG), also referred to in this report as subject material. Site characterization included collection of soil samples that were compared to Part 375 soil cleanup objectives (SCOs).

SECTION 2 PROJECT BACKGROUND AND OBJECTIVES

The Townsend Avenue site is an approximately 0.321-acre property located in the City of Corning (**Figure 1**). It is bounded by Onondaga Street to the north, Cutler Avenue to the east, Townsend Avenue to the west, and residential properties to the south (**Figure 2**). The site is a residential property that includes a two-story, single-family residence and a detached two-story garage. Other features on the property include a garden bed, playground, and fire pit. Two underground utilities exist at the Townsend Avenue site, including natural gas (Corning Natural Gas Corporation) and municipal water, both of which run along the northern portion of the property parallel to Onondaga Street.

In 2021, the property owner conducted ground-intrusive activities on the site related to planting a cherry tree, constructing a fire pit, installing a new fence, and installing raised garden beds. During these activities, the owner observed subject material in the form of glass chunks the size of softballs, furnace brick, and ash, as well as coal deposits (slag) starting at depths of 2.5 feet below ground surface (bgs). During installation of a small cherry tree in the front landscape bed, several pieces of cullet approximately 3 to 5 inches in diameter were observed. Concentrated amounts of subject material were found in excavated materials from the fire pit construction. Materials excavated from a raised garden bed area in the southwest corner of the property also contained subject material.

During a site visit conducted by the New York State Department of Environmental Conservation (NYSDEC) on October 15, 2021, subject material collected by the property owner was examined and appeared to be consistent with the subject material observed in the Corning Study Area (NYSDEC Site Number 851046).

The purpose of this site characterization was to determine whether the site poses a threat to public health and the environment, and whether the threat requires further investigation. The site characterization activities were performed to determine:

- the physical extent of the suspected subject material at the property
- whether contamination is present in surface and subsurface soils
- if groundwater quality is being impacted

SECTION 3 SITE CHARACTERIZATION SCOPE AND RESULTS

The scope of work for the 2022 site characterization of Townsend Avenue consisted of the following activities:

1. Geophysical investigation to locate subsurface utilities
2. Surface and subsurface soil investigation
3. Groundwater investigation
4. Collection of archive subject material samples
5. Topographic survey of sample locations

Field activities were conducted in accordance with the Site Characterization Work Plan (Parsons 2022). In addition, field activities were completed in accordance with the following documents, prepared and approved for Parsons' contract with NYSDEC:

- Generic Field Activities Plan (FAP; Parsons 2020a)
- Generic Project Safety, Health, and Environmental Plan (PSHEP; Parsons, 2020b)
- Generic Quality Assurance Project Plan (QAPP; Parsons, 2020c)

Site-specific elements and specific job safety analyses for test pit excavations, soil sampling, and monitoring well installation were added to the PSHEP.

3.1 Analytical Services

Analytical services were directly contracted by NYSDEC for soil, groundwater, and waste samples and were provided by Pace Analytical of East Longmeadow, Massachusetts (Pace). Pace is accredited under the National Environmental Laboratory Approval Program and Department of Defense Environmental Laboratory Accreditation Program (ELAP) and is a New York State Department of Health (NYSDOH) ELAP-certified laboratory. Samples were analyzed in accordance with the Site Characterization Work Plan (Parsons 2022) for the compounds listed in **Tables 1A** and **1B**.

3.2 Geophysical Survey

UDig NY was contacted to identify and demarcate any subsurface utilities intersecting the site prior to the start of field investigation activities.

A geophysical survey was performed at the site on October 18, 2022, by Ravi Engineering & Land Surveying, PC (Ravi) to locate subsurface utility lines before subsurface borings and test pit excavations were begun. Ground Penetrating Radar and electromagnetic locating equipment were used to identified subsurface utilities and utilities were marked-out on the ground. The Subsurface Utility Engineering Report is included as **Appendix A**.

Ravi met with the property owners to determine the presence of any of private utilities and leach fields not identified by UDig NY. On-site Parsons personnel confirmed that the identified public and private utilities were a safe distance from the proposed boring locations before the start of intrusive sampling activities.

One proposed soil boring location required adjustment due to the presence of a subsurface utility that was not located during the geophysical survey, which is further discussed in **Section 3.3.2.2 Subsurface Soil**.

3.3 Soil Investigation

The purpose of the soil investigation element of this site characterization was to determine:

- the physical extent of the subject material at the property
- whether contamination is present in surface and subsurface soils

More specifically, this soil investigation consisted of:

- surface sampling
- subsurface soil boring and sampling
- test pit excavation and sampling

Soils encountered are characteristic of glacial deposits and consist primarily of variable amounts of dense gravel, sand, silt, and/or clay mixtures, typical of glacial till material. Fine sand, silt, and clay mixtures were noted at all locations, with coarse-grained material also observed below 1 foot bgs in many of the borings. Drilling refusal was not encountered at the Townsend Ave site.

3.3.1 CAMP Monitoring

A Community Air Monitoring Plan (CAMP) was implemented for real-time monitoring of volatile organic compounds (VOCs) and particulates (i.e., dust) at the upwind and downwind perimeter of each designated work area during intrusive activities. Each CAMP monitoring station consisted of one photoionization detector (PID) and a DustTrak monitor to measure VOC and particulate (particulate matter less than 10 micrometers in size [PM-10]) concentrations, respectively. Measurements were collected as 15-minute averages. CAMP readings collected during site characterization activities at Townsend Avenue are included in **Appendix B**.

Downwind VOC and PM-10 readings indicated that there were no impacts to downwind receptors due to intrusive site characterization activities. The following two tables summarize daily average and peak VOC and PM-10 concentrations, respectively, observed during CAMP monitoring.

Daily CAMP Readings – Average and Peak VOC Concentrations

Date	Upwind VOC Concentrations		Downwind VOC Concentrations	
	Average (ppm)	Peak (ppm)	Average (ppm)	Peak (ppm)
10/19/2022	0.1	0.1	0.1	0.2
10/20/2022	0.1	0.2	0	0.1
10/24/2022	0.1	0.2	0.7	4.1
10/25/2022	0.2	0.3	0	0.1
10/26/2022	0.1	0.1	0.1	0.6
10/27/2022	0.1	0.7	0	0.2
10/28/2022	0	0.3	0.1	0.1
10/31/2022	0	0.5	0	0.6

ppm = parts per million

Daily CAMP Readings – Average and Peak Particulate Concentrations

Date	Upwind Particulate Concentrations		Downwind Particulate Concentrations	
	Average (mg/m ³)	Peak (mg/m ³)	Average (mg/m ³)	Peak (mg/m ³)
10/19/2022	0.003	0.003	0.000	0.002

10/20/2022	0.006	0.007	0.006	0.008
10/24/2022	0.018	0.018	0.006	0.008
10/25/2022	0.005	0.019	0.003	0.010
10/26/2022	0.012	0.022	0.004	0.013
10/27/2022	0.004	0.006	0.001	0.006
10/28/2022	0.010	0.011	0.011	0.015
10/31/2022	0.004	0.019	0.008	0.014

mg/m³ = milligrams per cubic meter

Action limits for VOCs and particulates are specified in the NYSDOH Generic CAMP in Appendix 1A of DER-10 / Technical Guidance for Site Investigation and Remediation (NYSDEC 2010). VOC concentrations were observed to exceed the action limit of 5.0 ppm above background concentrations. PM-10 concentrations did not exceed the action limit of 0.100 mg/m³ above background concentrations. The intrusive site characterization activities did not affect the VOC or particulate concentrations of the surrounding area.

3.3.2 Sampling

3.3.2.1 SURFACE SOIL

Four surface soil samples (denoted TSA-SS-001 through TSA-SS-004) were collected from the site on October 20 and 21, 2022, as shown on **Figure 2**. Surface soil sample locations were selected based on areas of the site that are likely to be routes of exposure (e.g., garden bed, playground, fire pit).

Surface soil samples were obtained from the top 2 inches beneath the surficial grass layer using a stainless-steel shovel, trowel, and mixing bowl. Sampling equipment was decontaminated between sampling locations using Alconox mixed with laboratory-provided deionized water, scrubbing with a brush, followed by a final deionized water rinse.

Retrieved samples were visually examined for physical characteristics and described using the Burmeister System and the Unified Soil Classification System (USCS). The samples were screened with a PID and the headspace readings and any olfactory characteristics were noted. Lithology and field observations were recorded on surface soil sampling logs, which are included in **Appendix C**.

A discrete grab sample was collected from three locations for analysis of VOCs using TerraCore samplers. For per- and polyfluoroalkyl substances (PFAS) analyses, surface soil samples were homogenized using a dedicated high-density polyethylene (HDPE) sample container. For remaining analyses, surface soil samples were homogenized in dedicated/disposable zip-lock bags. Once homogenized, each sample was placed into appropriate laboratory-provided containers and submitted to the laboratory for analyses as shown in **Table 1A**.

3.3.2.2 SOIL BORINGS

Eight soil borings (denoted TSA-SB-001 through TSA-SB-008 as shown on **Figure 2**) were completed at the site from October 24 through 31, 2022. Two of the borings (TSA-SB-007 and TSA-SB-008) were converted to monitoring wells following the procedures described in **Section 3.4.1 Monitoring Well Installation and Development**.

Field observations from soil boring sampling efforts are summarized in **Table 1A**, and further described in the soil boring logs (**Appendix C**).

Soil boring locations were cleared by hand to a depth of 5 feet below ground surface (bgs) prior to drilling and sampling to avoid encountering buried utilities and/or infrastructure during drilling operations. Hand clearing activities consisted of soft-dig techniques performed at three locations, spaced 3 feet apart, in a triangular configuration surrounding the target boring location. Three-point hand clearing procedures were selected to facilitate collection of vertically continuous samples between 0 to 5 feet bgs, while mitigating risk associated with unidentified subsurface utilities and infrastructure.

During hand clearing at the proposed location of TSA-SB-007 on October 19, 2022, the crew encountered a cast iron pipe at approximately 30 inches bgs (i.e., 2.5 feet bgs). The location of SB-007 was subsequently adjusted to be approximately 5 feet east of the original location. During hand clearing at the new location, a terra cotta pipe was encountered and broken. By running a washing machine and toilet in the house on the property, the pipe was confirmed to be a sewer drainage line. The crew contacted the City of Corning Department of Public Works to report the break. A grab soil sample (TSA-TP-001) was collected from the open hole and placed into an appropriate laboratory-provided container. The soil sample was submitted for analysis as shown on **Table 1A**. T&R Environmental (T&R) performed the repair of the pipe with a master plumber in the afternoon of October 19, 2022. TSA-SB-007 was subsequently moved to a new location on the western portion of the property as shown on **Figure 2**.

Soil borings were advanced using direct push techniques (i.e., MacroCore) to depths ranging between 2 to 25 feet bgs. Additional runs were completed as needed to obtain sufficient soil volume for sample analyses. At TSA-SB-007, three runs were completed to 25 feet bgs, three runs to 15 feet bgs, and three runs to 5 feet bgs. At TSA-SB-008, five runs were completed to 25 feet bgs and one run to 15 feet bgs.

A minimum of three samples were obtained from each soil boring location at the following intervals:

- 0.0 to 0.5-foot
- 0.5 to 1.0-foot
- 1.0 to 2.0-foot

Additional samples were collected based on field observations such as presence of suspect subject material, elevated PID readings, staining, odors, soils directly below observed impacts, soils from the interval directly above the water table, and/or the bottom of the boring. A soil sample (TSA-TP-001) was also collected from the hand-cleared soil of TSA-SB-007 when the ceramic pipe was encountered.

Retrieved samples were visually examined for physical characteristics and described using the Burmeister System and the USCS. The samples were screened with a PID, and any olfactory characteristics were noted. Headspace readings were recorded from soil sample retrieved.

A discrete grab sample was collected from each location for analysis of VOCs using TerraCore samplers.

For per- and polyfluoroalkyl substances (PFAS) analyses, soil boring samples were homogenized using stainless-steel spoons and bowls. For the remaining analyses, soil boring samples were homogenized in dedicated/disposable zip lock bags or using stainless-steel spoons and bowls. Once homogenized, each sample was then placed into appropriate laboratory-provided containers and submitted for analyses as shown in **Table 1A**.

All sampling tools were decontaminated between sample intervals and locations using Alconox mixed with laboratory-provided deionized water, scrubbed with a brush, followed by a final rinse with deionized water.

3.3.2.3 QUALITY ASSURANCE/QUALITY CONTROL

Quality assurance/quality control (QA/QC) samples were collected during sampling for parameters listed on **Table 1A** at a rate of one QA/QC sample per 20 regular samples collected. A total of 3 field duplicates were analyzed for the parameters indicated on **Table 1A**.

3.3.3 Analytical Results

Soil sample analytical results for detected compounds are presented in **Table 2** (surface soil) and **Table 3** (subsurface soil). Analytical results were compared against regulatory cleanup objectives and guidance values, based on potential exposure to residential users of the site, as follows:

- New York Code of Rules and Regulations Title 6 (6 NYCRR) Part 375 SCOs for unrestricted use (NYSDEC 2006)
- 6 NYCRR Part 375 SCOs for residential use (NYSDEC 2006)
- NYSDEC PFAS Guidance for unrestricted use (NYSDEC 2021a)
- NYSDEC PFAS Guidance for residential use (NYSDEC 2021a)
- Applicable Resource Conservation and Recovery Act (RCRA) regulatory limits for toxicity characteristic leaching procedure (TCLP) metals

3.3.3.1 SURFACE SOIL

Surface soil parameters exceeding applicable SCOs are presented on **Figure 3**.

- Two metals (lead and zinc) detected above unrestricted use SCOs.
- Ten semivolatile organic compounds (SVOCs) were detected but results were all below residential and unrestricted SCOs.
- One VOC (acetone) was detected above its unrestricted SCO.
- Two pesticides (P,P'-DDE and P,P'-DDT) detected above unrestricted use SCOs.
- No TCLP metals exceeded the RCRA regulatory limits for toxicity characteristics.
- Two PFAS compounds were detected (PFOS and PFOA) but results were below their respective Standards and Guidance Values (SGVs).
- Polychlorinated biphenyls (PCBs) were not detected in any samples collected.

A summary of the exceedances for unrestricted and residential SCOs in surface soils is tabulated below:

Analyte	Units	SCO/ Guidance	Value	N > SCO	Range > SCO	Sample Location and Depth (in bgs)
Metals						
Lead	mg/kg	Unrestricted	63	2	90 - 120	TSA-SS-001 (0-2") TSA-SS-002 (0-2")
Zinc	mg/kg	Unrestricted	109	2	110 - 140	TSA-SS-001 (0-2") TSA-SS-002 (0-2")
VOCs						
Acetone	mg/kg	Unrestricted	0.05	1	0.088 - 0.11	TSA-SS-002 (0-2")
Pesticides						
P,P'-DDE	mg/kg	Unrestricted	0.0033	1	0.005 - 0.006	TSA-SS-002 (0-2")
P,P'-DDT	mg/kg	Unrestricted	0.0033	1	0.0038 - 0.0045	TSA-SS-002 (0-2")

Notes:

Value = SCO/Guidance concentration

N > SCO = number of samples with concentrations greater than the SCO/Guidance concentration

Range > SCO = range (minimum to maximum) of sample concentrations exceeding the SCO/Guidance concentration

in bgs = inches below ground surface

mg/kg = milligrams per kilogram

SS = surface soil

3.3.3.2 SUBSURFACE SOIL

Subsurface soil parameters exceeding applicable SCOs are presented on **Figure 4**.

Exceedances of SCOs in the top 2 feet of soil are considered of particular concern to property owners and recreational users:

- Three metals (arsenic, lead, and zinc) were detected above residential SCOs.
- One VOC (acetone) was detected above unrestricted use SCOs but below restricted SCOs.
- Two pesticides (P,P'-DDE and P,P'-DDT) were detected above unrestricted use SCOs but below residential SCOs.
- No SVOCs or PFAS compounds were detected above either unrestricted use or residential SCOs or guidance values.
- No TCLP metals exceeded the RCRA regulatory limits for toxicity characteristics.

A summary of the exceedances for unrestricted and residential SCOs in the top 2 feet is tabulated below.

Analyte	Units	SCO/ Guidance	Value	N > SCO	Range > SCO	Sample Location and Depth (feet bgs)
Metals						
Arsenic	mg/kg	Unrestricted	13	1	14	TSA-SB-005 (0.0-0.5)
		Residential	16	1	18	TSA-SB-005 (1.0-2.0)
Lead	mg/kg	Unrestricted	63	6	71 - 330	TSA-SB-001 (0.5-1.0)
						TSA-SB-005 (0.0-0.5)
						TSA-SB-005 (1.0-2.0)
						TSA-SB-007 (0.0-0.5)
						TSA-SB-007 (0.5-1.0)
						TSA-SB-007 (1.0-2.0)
		Residential	400	2	430 - 600	TSA-SB-001 (0.0-0.5)
						TSA-SB-001 (1.0-2.0)
Zinc	mg/kg	Unrestricted	109	3	120 - 190	TSA-SB-001 (0.0-0.5)
						TSA-SB-007 (0.0-0.5)
						TSA-SB-007 (0.5-1.0)
VOCs						
Acetone	mg/kg	Unrestricted	0.05	1	0.29	TSA-SB-001 (1.0-2.0)
Pesticides						
P,P'-DDE	mg/kg	Unrestricted	0.0033	1	0.066	TSA-SB-005 (1.0-2.0)
P,P'-DDT	mg/kg	Unrestricted	0.0033	1	0.01	TSA-SB-005 (1.0-2.0)

Notes:

Value = SCO/Guidance concentration

N > SCO = number of samples with concentrations greater than the SCO/Guidance concentration

Range > SCO = range (minimum to maximum) of sample concentrations exceeding the SCO/Guidance concentration

ft bgs = feet below ground surface

mg/kg = milligrams per kilogram

SB = soil boring

Below 2 feet bgs, exceedances of SCOs are considered of particular concern to construction and utility workers.

- One metal (lead) was detected above the unrestricted use SCO at 2 - 2.5 feet bgs at TSA-TP-001.
- No pesticides, VOCs, SVOCs, or PFAS were detected above unrestricted use or residential SCOs below 2 feet bgs.

3.3.4 Subject Material Observed

No subject material was observed on the soil surface during site characterization activities.

One piece of glass cullet was observed during the soil investigation, during hand clearing for the originally proposed location of TSA-SB-007. Ash and brick were observed at the site at the following soil boring locations (Figure 5):

- TSA-SB-001
- TSA-SB-002
- TSA-SB-004
- TSA-SB-006

Ash and/or brick was observed within the top 2 feet at TSA-SB-002, TSA-SB-004, and TSA-SB-006. Subject material observation locations are shown on **Figure 5** and summarized in **Table 1A**.

The subject material observed consisted primarily of ash and brick, with small pieces of glass. As a result, archive samples were not collected during the site characterization activities. However, the property owner has observed and collected glass cullet throughout the property as a result of intrusive activities described in **Section 2**. (e.g., installation of a new fence). A memorandum summarizing the subject material collected by the property owner is included as **Appendix D**. Subject material that was excavated during these intrusive activities were loaded into 55-gallon drums and disposed of with the investigation-derived waste (IDW).

3.4 Groundwater Investigation

A groundwater investigation was completed to:

- characterize groundwater at the site
- determine if there are any impacts to groundwater quality due to the presence of subject material at the site

The Site Characterization Work Plan (Parsons 2022) proposed installation of two monitoring wells to assess groundwater quality. The sampling summary and field observations for the groundwater investigation are presented in **Table 1B**. Groundwater was encountered at approximately 14.5 feet bgs.

3.4.1 Monitoring Well Installation and Development

Between October 26 and 28, 2022, monitoring wells were drilled via hollow-stem auger to a depth of 24 feet bgs at boring locations TSA-SB-007 and TSA-SB-008. The wells were constructed using 2-inch polyvinyl chloride (PVC) casing with a 10-foot-long, 10-slot screen set at 14 to 24 feet bgs. The annulus around the outside of the screen was backfilled with sand to 2 feet above the screen, followed by a bentonite seal above the sand pack. After hydration of the bentonite seal, grout was placed above it, and wells were completed with a flush-mount protective cover. Boring logs and well construction details are included in **Appendix C**.

Wells were developed on December 5, 2022, to remove material that may have settled in and around the well screen. Development was conducted until a turbidity of less than 50 nephelometric turbidity units was achieved. Development water was containerized using drums and was characterized for disposal. Well development logs are included in **Appendix E**.

3.4.2 Sampling

Groundwater sampling was conducted on December 8 and 9, 2022, using low-flow sampling techniques. Emergent contaminant-specific equipment, materials, and procedures were utilized in accordance with the FAP (Parsons 2020a) and QAPP (Parsons 2020c). Groundwater samples were analyzed for parameters as shown in **Table 1B**.

To ensure collection of a representative groundwater sample, monitoring wells were purged prior to sampling until water quality parameters (temperature, conductivity, pH, dissolved oxygen, oxidation-reduction potential,

and turbidity) stabilized within the thresholds prescribed in the FAP and QAPP. Water quality parameters were recorded every five minutes and immediately prior to sample collection. Water quality parameter measurements and observations recorded during sampling are documented in the groundwater sampling logs provided in Appendix E.

QA/QC samples were collected as part of this effort. One field duplicate, one matrix spike/matrix spike duplicate pair, and one equipment blank were analyzed for the parameters listed in **Table 1B**. In addition, two field blanks were collected and analyzed for PFAS, and two trip blanks were analyzed for VOCs.

3.4.3 Analytical Results

Analytical results were compared against applicable regulatory groundwater quality standards, as follows:

- Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Groundwater Quality SGVs (NYSDEC 1998)
- Draft Addendum to June 1998 TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for PFOS, PFOA, and 1,4-Dioxane (NYSDEC 2023b)

Antimony and sodium were observed to exceed Class GA SGVs in sampled collected from both monitoring wells. Several other metals and five VOCs were detected but did not exceed applicable SGVs. PFOS and PFOA were detected; however, the concentrations were below the NYSDEC PFAS guidance values. Six other PFAS compounds were detected; however, there are currently no guidance values for those compounds

A summary of the parameters that were detected at the site are presented in **Table 4**. A summary of the parameters that exceed the applicable SGVs are shown below and are spatially shown on **Figure 6**.

Analyte	Units	SGV	Value	N > SGV	Range > SGV	Sample Location
Metals						
Antimony	mg/L	Class GA SGVs	0.003	1	0.011	TSA-MW-02
Sodium	mg/L	Class GA SGVs	20	2	34 - 130	TSA-MW-01 TSA-MW-02

Notes:

SGV = Ambient Water Quality Standards and Guidance Values (NYSDEC 1998; 2023b)

Value = SGV screening concentration

N > SGV = number of samples with concentrations greater than the SGV concentration

Range > SGV = range (minimum to maximum) of sample concentrations exceeding the SGV concentration

mg/L = milligrams per liter

MW = monitoring well

SECTION 4 SITE SURVEY

After the completion of site characterization field activities, a New York state-licensed land surveyor completed a site topographical survey. The site survey included collecting as-built coordinates and elevations for soil borings, surface soil samples, and monitoring wells. Horizontal survey data are based on the North American Datum 1983 (NAD 83) New York State Plane West coordinate system (in feet). Elevations are based on the North American Vertical Datum 1988 (NAVD 88). Site survey information from the 2022 field activities is included in **Appendix F**.

SECTION 5 INVESTIGATION-DERIVED WASTE MANAGEMENT

IDW, including excess soils, decontamination rinsates, personal protective equipment, disposable sampling equipment, and subject material excavated as part of intrusive activities discussed in **Section 3**, were placed in U.S. Department of Transportation (DOT)-approved 55-gallon 17-H type drums.

Characterization samples of the IDW were collected and submitted for analyses as shown in **Table 1A** and **1B**.

The IDW was evaluated as nonhazardous based on characterization sample analytical results and was disposed of in accordance with applicable NYSDEC regulations.

SECTION 6 DATA VALIDATION AND REPORTING

Results from analytical samples collected during site characterization activities were validated and reviewed by Parsons for usability with respect to the following requirements:

- Site Characterization Work Plan (Parsons 2022)
- U. S. Environmental Protection Agency (USEPA) analytical methodologies
- *National Functional Guidelines for Organic Superfund Methods Data Review*, USEPA 540-R-20-005, November 2020
- *National Functional Guidelines for Inorganic Superfund Methods Data Review*, USEPA 542-R-20-006, November 2020
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review
- *Sampling Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated April 2023 (NYSDEC 2023a)

The quality of the data has been assessed and is documented in the Data Usability Summary Report (DUSR, **Appendix G**). Validated data have been submitted for loading into the NYSDEC database.

SECTION 7 CONCLUSIONS

The findings of the site characterization activities at the Townsend Avenue site documented in this report are as follows:

1. Subject material was observed within the top 2 feet bgs at four sampling locations and below 2 feet bgs at one location. The property owner has also collected a significant amount of glass cullet while performing intrusive activities. (e.g., installation of a new fence). This indicates that subject material is present at the site and associated contaminants may impact the area.
2. Metals, pesticide, and VOC concentrations exceeded unrestricted SCOs in surface soil samples, and unrestricted and residential SCOs in subsurface soil samples at the site, ranging in depth from 0 to 2.5 feet bgs.
 - a. Concentrations of three metals (arsenic, lead, and zinc) exceeded the unrestricted and/or residential SCOs in multiple samples from locations throughout the property.
 - i. Arsenic concentrations exceeded the unrestricted SCO in one sample from a soil boring (0 to 0.5 feet bgs) and also exceeded the residential SCO in one sample from the same soil boring (1 to 2 feet bgs).
 - ii. Lead concentrations exceeded the unrestricted SCO in two surface soil samples (0 to 2 inches bgs) and in six samples collected from three soil borings with depths within 0 to 2 feet bgs. Lead concentrations also exceeded the residential SCO in two samples collected from one boring with depths within 0 to 2 feet bgs.
 - iii. Zinc concentrations exceeded the unrestricted SCO in two surface soil samples (0 to 2 inches bgs) and in three samples collected from two soil borings with depths within 0 to 1 foot bgs.
 - iv. Concentrations of two pesticides (P,P'-DDE and P,P'-DDT) exceeded unrestricted SCOs in one surface soil sample (0-2 inches bgs) and one sample from one soil boring within 1 to 2 feet bgs.
 - v. The concentration of one VOC (acetone) exceeded the unrestricted SCO in one surface soil sample (0-2 inches bgs) and one sample from one soil boring within 1 to 2 feet bgs.
3. Two metals (antimony and sodium) were detected in groundwater samples above NYSDEC Class GA standards.
4. Human exposure to subject material and/or soils with SCO exceedances is possible in areas where subject material is present and during digging and excavation activities at the site.

Based on findings of the Townsend Avenue site characterization and the potential exposure to subject material and associated contaminants by property owners and construction and utility workers, Parsons recommends a full Remedial Investigation of the site. Additionally, due to the presence of subject material and SCO exceedances at sample locations close to the perimeter of the property, it is possible that subject material and associated contaminants may be present in adjacent rights-of-way and utility corridors. Therefore, Parsons recommends utility providers be made aware, and institutional controls be considered to prevent exposure during intrusive utility work.

SECTION 8 REFERENCES

- NYSDEC. 1998. *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*. Division of Water Technical and Operational Guidance Series (1.1.1). Originator - John Zambrano/Scott Stoner. Reissue date June 1998. Errata sheets January 1999, April 2000, and June 2004.
- NYSDEC, 2006. *New York Code of Rules and Regulation, Title 6, Part 375 Environmental Remediation Programs*. December 14.
- NYSDEC, 2010. DER-10 / Technical Guidance for Site Investigation and Remediation. May.
- NYSDEC, 2023a. *Sampling, Analysis, and Assessment of Per-and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*. April.
- NYSDEC. 2023b. *2023 Addendum to June 1998 TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values*. PFOS, PFOA, and 1,4-dioxane. February.
- Parsons. 2022. *Site Characterization Work Plan* ■■■ Townsend Avenue. October.
- Parsons. 2020a. *Generic Field Activities Plan (FAP)*. Prepared for the New York State Department of Environmental Conservation, Albany, NY. April.
- Parsons. 2020b. *Generic Project Safety, Health, and Environmental Plan (PSHEP)*. Prepared for the New York State Department of Environmental Conservation, Albany, NY. April.
- Parsons. 2020c. *Generic Quality Assurance Project Plan (QAPP)*. Prepared for the New York State Department of Environmental Conservation, Albany, NY. August.

TABLES

Table 1A
Townsend Avenue
Site Characterization Report
Sampling Summary and Field Observations - Soil/Solids

Location or Sample ID	Total Depth	Field Observations/ Comments	Glass Archive Sample(s) Collected?	Analytical Sample Depth	Matrix	Analytical Sample Type	Sampling Date			Metals	TCLP Metals	CN	Cr6+/Cr3+	SVOCs/ 1,4D	VOCs	Pest/PCB/Herb	TPH	PFAS	Solid Wastes RCRA Standards
Surface Soil																			
TSA-SS-001	2 in		No	0.0 - 2.0 in	Soil	Normal	10/21/2022	X	X					X					
TSA-SS-002	2 in		No	0.0 - 2.0 in	Soil	Normal	10/20/2022	X	X	X	X	X	X	X	X	X	X	X	
TSA-SS-003	2 in		No	0.0 - 2.0 in	Soil	Field Duplicate	10/20/2022	X	X	X	X	X	X	X	X	X	X	X	
TSA-SS-004	2 in		No	0.0 - 2.0 in	Soil	Normal	10/21/2022	X	X					X					
Soil Boring																			
TSA-SB-001	2 ft	1.5 - 2': black-brown slag and brick rubble	No	0.0-0.5 ft	Soil	Normal	10/24/2022	X	X					X					
				0.5-1.0 ft	Soil	Normal	10/24/2022	X	X			X							
				1.0-2.0 ft	Soil	Normal	10/24/2022 10/28/2022	X	X	X	X	X	X	X	X	X	X		
TSA-SB-002	2 ft	1.75 - 2': black slag and white ash	No	0.0-0.5 ft	Soil	Normal	10/24/2022	X	X					X					
				0.5-1.0 ft	Soil	Normal	10/24/2022	X	X			X							
				1.0-2.0 ft	Soil	Normal	10/24/2022 10/26/2022	X	X	X	X	X	X	X	X	X	X		
TSA-SB-003	2 ft		No	1.0-2.0 ft	Soil	Field Duplicate	10/24/2022	X	X					X					
				0.0-0.5 ft	Soil	Normal	10/24/2022	X	X			X							
				0.5-1.0 ft	Soil	Normal	10/24/2022	X	X			X							
TSA-SB-004	2 ft	1.75 - 2': white ash	No	1.0-2.0 ft	Soil	Normal	10/24/2022	X	X					X					
				0.0-0.5 ft	Soil	Normal	10/24/2022	X	X			X							
				0.5-1.0 ft	Soil	Normal	10/24/2022	X	X			X							
TSA-SB-005	2 ft	1.25 - 2': trace black slag	No	0.0-0.5 ft	Soil	Normal	10/24/2022	X	X					X					
				0.5-1.0 ft	Soil	Normal	10/24/2022	X	X			X							
				1.0-2.0 ft	Soil	Normal	10/24/2022 10/26/2022	X	X	X	X	X	X	X	X	X	X		
TSA-SB-006	2 ft	1.75 - 2': black slag and white ash	No	0.0-0.5 ft	Soil	Normal	10/24/2022	X	X					X					
				0.5-1.0 ft	Soil	Normal	10/24/2022	X	X			X							
				1.0-2.0 ft	Soil	Normal	10/24/2022	X	X			X							
TSA-SB-007	14.5 ft	1.5 - 3': slag	No	0.0-0.5 ft	Soil	Normal	10/27/2022	X	X					X					
				0.5-1.0 ft	Soil	Normal	10/27/2022	X	X			X							
				1.0-2.0 ft	Soil	Normal	10/27/2022	X	X	X	X	X	X	X	X	X	X		
				5.0-6.0 ft	Soil	Normal	10/27/2022	X	X	X	X	X	X	X	X	X	X		
				10.0-11.0 ft	Soil	Normal	10/27/2022	X	X	X	X	X	X	X	X	X	X		
TSA-SB-008	25 ft		No	13.5-14.5 ft	Soil	Normal	10/27/2022	X	X					X					
				0.0-0.5 ft	Soil	Normal	10/26/2022	X	X			X							
				0.5-1.0 ft	Soil	Normal	10/26/2022	X	X			X							
				1.0-2.0 ft	Soil	Normal	10/26/2022	X	X			X							
				8.0-9.0 ft	Soil	Normal	10/26/2022	X	X			X							
				8.0-9.0 ft	Soil	Field Duplicate	10/26/2022	X	X			X							
				13.5-14.5 ft	Soil	Normal	10/26/2022	X	X			X							
Test Pit																			
TSA-TP-001	2.5 ft		No	2.0 - 2.5 ft	Soil	Normal	10/19/2022	X	X					X					
IDW																			
TSA-IDW-Solid	N/A		-	-	Solid	Normal	12/05/2022												X

Metals = Metals, Mercury, and Boron (USEPA SW-846 6010D, 7471B)
TCLP Metals = Toxicity Characteristic Leaching Procedure metals (USEPA SW-846 6010C, 7470A)
CN = Cyanide (USEPA SW-846 9012B)
Cr6+/Cr3+ = Hexavalent and trivalent chromium (USEPA SW-846 7196A)
SVOCs/1,4-D = Semivolatile organic compounds plus 1,4-Dioxane (USEPA SW-846 8270D/8270D SIM)
VOCs = Volatile organic compounds (USEPA SW-846 8260C)
Pest/PCB/Herb = Pesticides, Polychlorinated biphenyls, Herbicides (USEPA SW-846 8081B/8082A/8151A)
TPH = Total petroleum hydrocarbons (USEPA 1664B)
PFAS = Per- and polyfluoroalkyl substances (modified USEPA 537.1)

Table 1B
Townsend Avenue
Site Characterization Report
Sampling Summary and Field Observations - Water/Liquids

Location or Sample ID	Total Depth	Field Observations/ Comments	Analytical Sample Depth	Matrix	Analytical Sample Type	Sampling Date	Metals	TCLP Metals	CN	Cr6+/Cr3+	SVOCs/1,4D	VOCs	Pest/PCB/Herb	TPH	PFAS	Liquid Waste RCRA Parameters
Groundwater																
TSA-MW-001	24 ft		14 ft - 24 ft	Water	Normal	12/09/2022	X	X		X	X	X	X	X	X	
TSA-MW-001	24 ft		14 ft - 24 ft	Water	Field Duplicate	12/09/2022	X	X		X	X	X	X	X	X	
TSA-GW-01	24 ft		-	Water	Equipment Blank	12/09/2022	X	X		X	X	X	X	X	X	
TSA-GW-01	24 ft		-	Water	Field Blank	12/09/2022									X	
TSA-GW-01	24 ft		-	Water	Trip Blank	12/09/2022						X				
TSA-MW-002	24 ft		20 ft	Water	Normal	12/08/2022	X	X		X	X	X	X	X	X	
TSA-GW-FB-01	24		-	Water	Field Blank	12/08/2022									X	
TSA-GW-TB-01	24		-	Water	Trip Blank	12/08/2022						X				
IDW																
TSA-IDW-Liquid	NA		-	Aqueous	Normal	12/5/2022										X

Analytical Methods:

Metals = Metals, Mercury, and Boron (USEPA SW-846 6010D, 7471B)

CN = Cyanide (USEPA SW-846 9012B)

Cr6+/Cr3+ = Hexavalent and trivalent chromium (USEPA SW-846 7196A)

SVOCs/1,4-D = Semivolatile organic compounds plus 1,4-Dioxane (USEPA SW-846 8270D/8270D SIM)

VOCs = Volatile organic compounds (USEPA SW-846 8260C)

Pest/PCB/Herb = Pesticides, Polychlorinated biphenyls, Herbicides (USEPA SW-846 8081B/8082A/8151A)

TPH = Total petroleum hydrocarbons (USEPA 1664B)

PFAS = Per- and polyfluoroalkyl substances (modified USEPA 537.1)

Table 2
Townsend Avenue
Site Characterization Report
Validated Surface Soil Data - Detected Compounds

Location ID Depth Sample ID Sample Type Matrix Sample Date					TSA-SS-001 0 - 2 in TSA-SS-001-0.0-0.166 N SO 10/21/2022	TSA-SS-002 0 - 2 in TSA-SS-002-0.0-0.166 N SO 10/20/2022	TSA-SS-002 0 - 2 in TSA-SS-002-0.0-0.166- D FD SO 10/20/2022	TSA-SS-003 0 - 2 in TSA-SS-003-0.0-0.166 N SO 10/21/2022	TSA-SS-004 0 - 2 in TSA-SS-004-0.0-0.166 N SO 10/21/2022
Chemical Name	Unit	Part 375 Unrestricted SCOs ⁽¹⁾	Part 375 Residential SCOs ⁽¹⁾	RCRA Regulatory Limits ⁽²⁾					
INORGANICS									
Aluminum	mg/kg				9500	8100	7900	7500	6900
Arsenic	mg/kg	13	16		6.3	8.4	8.1	6.3	3.1 J
Barium	mg/kg	350	350		110	95	90	79	73
Beryllium	mg/kg	7.2	14		0.6	0.36	0.35	0.42	0.4
Boron	mg/kg				4.1 J	4.3 J	4 J	3.6 J	2 J
Cadmium	mg/kg	2.5	2.5		0.34 J	0.84	0.81	0.23 J	0.39 U
Calcium	mg/kg				3400	8200	7800	5900	1800
Chromium, Total	mg/kg	30	36		13	11	11	11	9.3
Cobalt	mg/kg				7.8	6	5.8	6.5	6.3
Copper	mg/kg	50	270		26	26	27	17	10
Iron	mg/kg				21000	15000	15000	19000	16000
Lead	mg/kg	63	400		120	100	90	38	15
Magnesium	mg/kg				2800	5000	4800	4300	2000
Manganese	mg/kg	1600	2000		510	520	510	430	380
Nickel	mg/kg	30	140		17	14	14	14	13
Potassium	mg/kg				1300	1000	1000	1000	980
Sodium	mg/kg				78 J	70 J	70 J	41 J	81 J
Vanadium	mg/kg				17	14	13	13	11
Zinc	mg/kg	109	2200		110	140	140	75	49
Mercury	mg/kg	0.18	0.81		0.076	0.056	0.069	0.044	0.026 J
TCLP METALS									
Arsenic	mg/l			5	0.05 U	0.0052 J	0.05 U	0.05 U	0.05 U
Barium	mg/l			100	0.53	0.62	0.62	0.57	0.23 J
Cadmium	mg/l			1	0.0022 J	0.0034 J	0.0035 J	0.003 J	0.0013 J
Chromium, Total	mg/l			5	0.005 J	0.05 U	0.05 U	0.0026 J	0.0046 J
Lead	mg/l			5	0.054 J	0.013 J	0.021 J	0.1 U	0.011 J
Mercury	mg/l			0.2	0.0001 U	9.2E-05 J	4.2E-05 J	0.0001 U	0.0001 U
VOLATILE ORGANIC COMPOUNDS									
Acetone	mg/kg	0.05	100			0.11 J	0.088 J		
Methyl Ethyl Ketone (2-Butanone)	mg/kg	0.12	100			0.012 J	0.0083 J		
Toluene	mg/kg	0.7	100			0.0011 J	0.0009 J		
SEMI-VOLATILE ORGANIC COMPOUNDS									
Benzo(A)Anthracene	mg/kg	1	1		0.14 J	0.21 U	0.21 U	0.21 U	0.2 U
Benzo(A)Pyrene	mg/kg	1	1		0.16 J	0.08 J	0.21 U	0.21 U	0.2 U
Benzo(B)Fluoranthene	mg/kg	1	1		0.25	0.1 J	0.094 J	0.09 J	0.2 U
Benzo(G,H,I)Perylene	mg/kg	100	100		0.11 J	0.11 J	0.21 U	0.21 U	0.2 U
Benzo(K)Fluoranthene	mg/kg	0.8	1		0.08 J	0.21 U	0.21 U	0.21 U	0.2 U
Chrysene	mg/kg	1	1		0.18 J	0.083 J	0.21 U	0.21 U	0.2 U
Fluoranthene	mg/kg	100	100		0.31	0.12 J	0.11 J	0.1 J	0.086 J
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5		0.11 J	0.21 U	0.21 U	0.21 U	0.2 U
Phenanthrene	mg/kg	100	100		0.16 J	0.21 U	0.21 U	0.21 U	0.2 U
Pyrene	mg/kg	100	100		0.32	0.13 J	0.095 J	0.11 J	0.2 U
PFAS ⁽⁴⁾									
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88	8.8			0.6	0.58		
Perfluorooctanoic acid (PFOA)	ug/kg	0.66	6.6			0.26 J	0.26 J		
PESTICIDES									
Chlordane	mg/kg	0.094	0.91			0.085 J	0.055 J		
Heptachlor Epoxide	mg/kg					0.0028 J	0.031 U		
P,P'-DDE	mg/kg	0.0033	1.8			0.006 JN	0.005 JN		
P,P'-DDT	mg/kg	0.0033	1.7			0.0045 J	0.0038 J		
HERBICIDES									
2,4-D (Dichlorophenoxyacetic Acid)	mg/kg					0.0000247 U	0.00000812 J		
PCBS (no detections)									
Cyanide									
Cyanide	mg/kg	27	27			0.39 J	0.4 J		
TPH									
Sgt Hem (Oil And Grease - Nonpolar)	mg/kg					182 J	257		

Notes:

¹Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

²RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24

³Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium

⁴PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, June 2021.

N = normal sample; FD = field duplicate; SO = soil;

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given; J = estimated at the value given; J+ = estimated biased high at the value given; JN = estimated with precision >90%

- Value exceeds the NYCRR Unrestricted Use SCOs

- Value exceeds the NYCRR Residential Use SCOs

- Value exceeds RCRA regulatory limits

Table 3
Townsend Avenue
Site Characterization Report
Validated Subsurface Soil Data - Detected Compounds

Location ID		TSA-SB-001		TSA-SB-001		TSA-SB-001		TSA-SB-002		TSA-SB-002		TSA-SB-002		TSA-SB-003		TSA-SB-003		TSA-SB-003		TSA-SB-004	
Depth		0 - 0.5 ft		0.5 - 1.0 ft		1.0 - 2.0 ft		0 - 0.5 ft		0.5 - 1.0 ft		1.0 - 2.0 ft		0 - 0.5 ft		0.5 - 1.0 ft		1.0 - 2.0 ft		0 - 0.5 ft	
Sample ID		TSA-SB-001-0.0-0.5		TSA-SB-001-0.5-1.0		TSA-SB-001-1.0-2.0		TSA-SB-002-0.0-0.5		TSA-SB-002-0.5-1.0		TSA-SB-002-1.0-2.0		TSA-SB-002-1.0-2.0-D		TSA-SB-003-0.0-0.5		TSA-SB-003-0.5-1.0		TSA-SB-003-1.0-2.0	
Sample Type		N		N		N		N		N		N		N		N		N		N	
Matrix		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
Sample Date		10/24/2022		10/24/2022		10/24/2022		10/24/2022		10/24/2022		10/24/2022		10/24/2022		10/25/2022		10/25/2022		10/25/2022	
Chemical Name		Unit	Part 375 Unrestricted SCOs ⁽¹⁾	Part 375 Residential SCOs ⁽¹⁾	RCRA Regulatory Limits ⁽²⁾																
INORGANICS																					
Aluminum	mg/kg				8200		7800		10000		10000		10000		11000		10000		7700		13000
Arsenic	mg/kg	13	16		9.9		10		11		6.9		7.6		7.1		8.1		6.2		6.7
Barium	mg/kg	350	350		110		110		150		85		69		140		110		75		180
Beryllium	mg/kg	7.2	14		0.51		0.58		0.63		0.46		0.43		0.6		0.52		0.37		0.58
Boron	mg/kg				3.6 J		3.3 J		2.2 J		3.9 U		1.7 J		4 U		3.5 J		2 J		4.4 U
Cadmium	mg/kg	2.5	2.5		1		0.77		0.85		0.39 U		0.39 U		0.41 U		0.4 U		0.45 U		0.38 U
Calcium	mg/kg				6300		5700		2800		2100		1300		1800		1900		5000		6200
Chromium, Total	mg/kg	30	36		11		11		12		12		12		14		13		12		9.9
Cobalt	mg/kg				6.7		6.5		8.4		7.6		8		8.9		7.4		5.6		8.4
Copper	mg/kg	50	270		27		30		21		19		20		26		21		23		18
Iron	mg/kg				20000		19000		22000		21000		19000		26000		19000		23000		13000
Lead	mg/kg	63	400		600		330		430		36		19		38		48		39 J		27
Magnesium	mg/kg				3600		3100		2400		2600		2800		2300		4000		4000		3200
Manganese	mg/kg	1600	2000		500		450		540		470		450		540		560		420		710
Nickel	mg/kg	30	140		15		15		17		17		18		19		17		14		18
Potassium	mg/kg				720		720		870		670		630		980		760		880		640
Sodium	mg/kg				69 J		69 J		120 J		53 J		34 J		92 J		82 J		120 J		39 J
Vanadium	mg/kg				16		17		18		18		18		21		17		18		17
Zinc	mg/kg	109	2200		120		100		87		71		62		96		90		87		73
Mercury	mg/kg	0.18	0.81		0.096 J		0.15 J		0.16 J		0.053 J		0.044 J		0.069 J		0.068 J		0.052		0.063
TCCLP Metals																					
Arsenic	mg/l				5		0.026 J		0.05 U		0.0089 J		0.0049 J		0.007 J		0.05 U		0.05 U		0.05 U
Barium	mg/l				100		0.52		0.66		0.56		0.29 J		0.47 J		0.44 J		1.2		2.6
Cadmium	mg/l				1		0.004 J		0.0051 J		0.0025 J		0.01 U		0.01 U		0.00081 J		0.00082 J		0.0048 J
Chromium, Total	mg/l				5		0.05 U		0.05 U		0.05 U		0.0047 J		0.05 U		0.05 U		0.05 U		0.05 U
Lead	mg/l				5		0.071 J		0.091 J		0.017 J		0.1 U		0.0098 J		0.013 J		0.0053 J		0.0099 J
Mercury	mg/l				0.2		0.0001 U		0.0001 U		0.0001 U		0.0001 U		0.0001 U		0.0001 U		6.8E-05 J		0.0001 U
PESTICIDES																					
P,P'-DDE	mg/kg	0.0033	1.8						0.053 U						0.0028 J						
P,P'-DDT	mg/kg	0.0033	1.7						0.053 U						0.0016 J						
HERBICIDES (no detections)																					
VOLATILE ORGANIC COMPOUNDS																					
Acetone	mg/kg	0.05	100						0.29 U												
Benzene	mg/kg	0.06	2.9						0.0058 U						0.002 U						
Toluene	mg/kg	0.7	100						0.0015 J						0.002 U						
SEMI-VOLATILE ORGANIC COMPOUNDS																					
1-Methylnaphthalene	mg/kg				0.21 U		0.2 U		0.21 U		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.2 U
2-Methylnaphthalene	mg/kg				0.21 U		0.2 U		0.21 U		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.21 J-
Acenaphthylene	mg/kg	100	100		0.21 U		0.2 U		0.21 U		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.54 J-
Anthracene	mg/kg	100	100		0.21 U		0.2 U		0.21 U		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.24 J-
Benzo(A)Anthracene	mg/kg	1	1		0.45		0.23		0.34		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.56 J-
Benzo(A)Pyrene	mg/kg	1	1		0.4		0.25		0.26		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.63 J-
Benzo(B)Fluoranthene	mg/kg	1	1		0.7		0.41		0.46		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.57 J-
Benzo(G,H,I)Perylene	mg/kg	100	100		0.26		0.19 J		0.2 J		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.54 J-
Benzo(K)Fluoranthene	mg/kg	0.8	1		0.31		0.17 J		0.21		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.54 J-
Bis(2-Ethylhexyl) Phthalate	mg/kg				0.15 J		0.4 U		0.42 U		0.41 U		0.4 U		0.42 U		0.46 U		0.39 U		0.4 U J
Chrysene	mg/kg	1	1		0.47		0.28		0.31		0.21 U		0.2 U		0.21 U		0.21 U		0.11 J		0.23 U
Dibenz(A,H)Anthracene	mg/kg	0.33	0.33		0.21 U		0.2 U		0.21 U		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.092 J
Fluoranthene	mg/kg	100	100		0.89		0.44		0.64		0.093 J		0.2 U		0.21 U		0.21 U		0.17 J		0.92 J-
Fluorene	mg/kg	30	100		0.21 U		0.2 U		0.21 U		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.17 J
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5		0.29		0.22		0.21		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.36 J-
Naphthalene	mg/kg	12	100		0.21 U		0.2 U		0.21 U		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.27 J-
Phenanthrene	mg/kg	100	100		0.3		0.21		0.21		0.21 U		0.2 U		0.21 U		0.21 U		0.23 U		0.93 J-
Pyrene	mg/kg	100	100		0.59		0.32		0.42		0.083 J		0.2 U		0.21 U		0.21 U		0.18 J		1.5 J-
PFAS ⁽⁴⁾																					
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88	8.8						0.58 U						0.55 U						
Perfluorooctanoic acid (PFOA)	ug/kg	0.66	6.6						0.58 U						0.55 U						
PCBS (no detections)																					
1,4-Dioxane																					
1,4-Dioxane (P-Dioxane)	ug/kg	100	9800														4.1 U		17 U		2.8 J
Cyanide																					
Cyanide	mg/kg	27	27						1.7						0.37 J						
TPH																					
Oil & Grease, Total Rec	mg/kg								53.2 J						399						

Notes:
¹Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006
²RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24
³Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium
⁴PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, June 2021.
N = normal sample; FD = field duplicate; SO = soil
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; J = Estimated and not detected at the value given; J+ = estimated biased high at the value given
- Value exceeds the NYCRR Unrestricted Use SCOs
- Value exceeds the NYCRR Residential Use SCOs
- Value exceeds RCRA regulatory limits

Table 3
Townsend Avenue
Site Characterization Report
Validated Subsurface Soil Data - Detected Compounds

Location ID Depth Sample ID Sample Type Matrix Sample Date					TSA-SB-004 0.5 - 1.0 ft TSA-SB-004-0.5-1.0 N SO 10/24/2022	TSA-SB-004 1.0 - 2.0 ft TSA-SB-004-1.0-2.0 N SO 10/24/2022	TSA-SB-005 0 - 0.5 ft TSA-SB-005-0.0-0.5 N SO 10/24/2022	TSA-SB-005 0.5 - 1.0 ft TSA-SB-005-0.5-1.0 N SO 10/24/2022	TSA-SB-005 1.0 - 2.0 ft TSA-SB-005-1.0-2.0 N SO 10/24/2022	TSA-SB-006 0 - 0.5 ft TSA-SB-006-0.0-0.5 N SO 10/24/2022	TSA-SB-006 0.5 - 1.0 ft TSA-SB-006-0.5-1.0 N SO 10/24/2022	TSA-SB-006 1.0 - 2.0 ft TSA-SB-006-1.0-2.0 N SO 10/24/2022	TSA-SB-007 0 - 0.5 ft TSA-SB-007-0.0-0.5 N SO 10/27/2022	TSA-SB-007 0.5 - 1.0 ft TSA-SB-007-0.5-1.0 N SO 10/27/2022	TSA-SB-007 1.0 - 2.0 ft TSA-SB-007-1.0-2.0 N SO 10/27/2022
Chemical Name	Unit	Part 375 Unrestricted SCOs ⁽¹⁾	Part 375 Residential SCOs ⁽¹⁾	RCRA Regulatory Limits ⁽²⁾											
INORGANICS															
Aluminum	mg/kg				9000	10000	11000	7800	9500	8100	8600	8500	6700	6800	10000
Arsenic	mg/kg	13	16		6.8	6.4	14	8.4	18	5.3	6	7.2	6	6.8	6.7
Barium	mg/kg	350	350		120	110	170	87	90	91	92	80	120	130	140
Beryllium	mg/kg	7.2	14		0.45	0.48	0.57	0.41	0.49	0.43	0.45	0.44	0.44	0.4	0.51
Boron	mg/kg				2 J	3.7 U	3.7 U	1.4 J	1.5 J	3.8 U	3.7 U	3.7 U	2.9 J	3.1 J	4 U
Cadmium	mg/kg	2.5	2.5		0.38 U	0.37 U	0.12 J	0.15 J	0.19 J	0.38 U	0.37 U	0.37 U	0.71	0.74	0.25 J
Calcium	mg/kg				5700	7400	1900	2200	2100	1400	1500	1600	5700	9000	1600
Chromium, Total	mg/kg	30	36		11	12	13	11	12	15	12	11	10	11	12
Cobalt	mg/kg				6.8	7	8.3	7.2	7.4	7.6	7.9	7	5.5	5.6	8.5
Copper	mg/kg	50	270		21	22	17	20	32	13	14	17	26	29	18
Iron	mg/kg				19000	28000	21000	19000	22000	20000	21000	22000	16000	17000	21000
Lead	mg/kg	63	400		33	23	71	39	79	25	22	40	200	220	90
Magnesium	mg/kg				3800	4400	2700	2400	2700	2400	2500	2400	2500	2700	2200
Manganese	mg/kg	1600	2000		680	660	700	480	480	490	570	410	500	520	550
Nickel	mg/kg	30	140		15	16	17	15	16	16	16	15	11	12	16
Potassium	mg/kg				860	840	960	1000	830	1000	870	710	930	980	840
Sodium	mg/kg				58 J	53 J	37 J	180 U	30 J	28 J	29 J	34 J	55 J	58 J	57 J
Vanadium	mg/kg				16	17	17	13	17	13	14	15	13	13	18
Zinc	mg/kg	109	2200		81	81	74	74	77	66	67	67	190	190	99
Mercury	mg/kg	0.18	0.81		0.084	0.059	0.099 J	0.045 J	0.069 J	0.041 J	0.046	0.062	0.045	0.057	0.073
TCCLP Metals															
Arsenic	mg/l			5	0.05 U	0.05 U	0.0096 J	0.05 U	0.021 J	0.05 U	0.014 J	0.05 U	0.0071 J	0.05 U	0.016 J
Barium	mg/l			100	0.71	0.84	0.46 J	0.86	0.7	0.53	0.65	0.57	0.79	0.57	0.56
Cadmium	mg/l			1	0.0017 J	0.0018 J	0.01 U	0.0043 J	0.0053 J	0.0016 J	0.0022 J	0.0026 J	0.0047 J	0.0016 J	0.01 U
Chromium, Total	mg/l			5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.0035 J	0.026 J	0.05 U	0.05 U	0.05 U	0.0063 J
Lead	mg/l			5	0.1 U	0.0047 J	0.007 J	0.011 J	0.022 J	0.032 J	0.052 J	0.011 J	0.088 J	0.021 J	0.052 J
Mercury	mg/l			0.2	5.9E-05 J	6E-05 J	0.0001 U	6.4E-05 J	5.3E-05 J	0.00012	0.00014	5.7E-05 J	7.4E-05 J	0.0001 U	0.00021
PESTICIDES															
P, P'-DDE	mg/kg	0.0033	1.8				0.0023 J		0.066						0.00057 J
P, P'-DDT	mg/kg	0.0033	1.7				0.0018 J		0.01 J						0.0049 U
HERBICIDES (no detections)															
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	0.05	100												
Benzene	mg/kg	0.06	2.9			0.0018 U			0.00072 J						0.0021 U
Toluene	mg/kg	0.7	100			0.0018 U			0.0023 U						0.0021 U
SEMI-VOLATILE ORGANIC COMPOUNDS															
1-Methylnaphthalene	mg/kg				0.2 UJ	0.19 UJ	0.19 U	0.19 UJ	0.19 U	0.2 U	0.19 U	0.19 UJ	0.21 UJ	0.22 UJ	0.21 UJ
2-Methylnaphthalene	mg/kg				0.2 UJ	0.19 UJ	0.19 U	0.19 UJ	0.19 U	0.2 U	0.19 U	0.19 UJ	0.21 U	0.22 U	0.21 U
Acenaphthylene	mg/kg	100	100		0.14 J	0.19 U	0.19 U	0.19 UJ	0.19 U	0.2 U	0.19 U	0.19 UJ	0.21 U	0.22 U	0.21 U
Anthracene	mg/kg	100	100		0.2 UJ	0.19 UJ	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.19 UJ	0.21 U	0.22 U	0.21 U
Benzo(A)Anthracene	mg/kg	1	1		0.12 J	0.1 J	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.084 J	0.14 J	0.079 J	0.21 U
Benzo(A)Pyrene	mg/kg	1	1		0.16 J	0.14 J	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.087 J	0.16 J	0.08 J	0.078 J
Benzo(B)Fluoranthene	mg/kg	1	1		0.15 J	0.12 J	0.12 J	0.099 J	0.073 J	0.2 U	0.19 U	0.12 J	0.22	0.12 J	0.12 J
Benzo(G,H,I)Perylene	mg/kg	100	100		0.14 J	0.12 J	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.19 UJ	0.13 J	0.22 U	0.21 U
Benzo(K)Fluoranthene	mg/kg	0.8	1		0.2 UJ	0.19 UJ	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.19 UJ	0.21 U	0.22 U	0.21 U
Bis(2-Ethylhexyl) Phthalate	mg/kg				0.39 UJ	0.39 UJ	0.39 U	0.39 U	0.38 U	0.4 U	0.39 U	0.39 UJ	0.42 U	0.44 U	0.42 U
Chrysene	mg/kg	1	1		0.14 J	0.12 J	0.08 J	0.081 J	0.19 U	0.2 U	0.19 U	0.099 J	0.19 J	0.11 J	0.08 J
Dibenz(A,H)Anthracene	mg/kg	0.33	0.33		0.2 UJ	0.19 UJ	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.19 UJ	0.21 U	0.22 U	0.21 U
Fluoranthene	mg/kg	100	100		0.18 J	0.13 J	0.1 J	0.14 J	0.09 J	0.2 U	0.19 U	0.14 J	0.3	0.14 J	0.12 J
Fluorene	mg/kg	30	100		0.2 UJ	0.19 UJ	0.19 U	0.19 UJ	0.19 U	0.2 U	0.19 U	0.19 UJ	0.21 U	0.22 U	0.21 U
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5		0.11 J	0.091 J	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.19 UJ	0.12 J	0.22 U	0.21 U
Naphthalene	mg/kg	12	100		0.2 UJ	0.19 UJ	0.19 U	0.19 UJ	0.19 U	0.2 U	0.19 U	0.19 UJ	0.21 U	0.22 U	0.21 U
Phenanthrene	mg/kg	100	100		0.18 J	0.14 J	0.19 U	0.081 J	0.19 U	0.2 U	0.19 U	0.095 J	0.2 J	0.11 J	0.21 U
Pyrene	mg/kg	100	100		0.28 J-	0.24 J-	0.11 J	0.14 J	0.089 J	0.2 U	0.19 U	0.16 J	0.3	0.14 J	0.13 J
PFAS ⁽⁴⁾															
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88	8.8			0.51 U			0.47 U						0.55 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.66	6.6			0.51 U			0.47 U						0.55 U
PCBS (no detections)															
1,4-Dioxane															
1,4-Dioxane (P-Dioxane)	ug/kg	100	9800										12 J	19 U	21 U
Cyanide															
Cyanide	mg/kg	27	27			3.2			0.41 J						0.59 U
TPH															
Oil & Grease, Total Rec	mg/kg					115 U			430						48.9 J

Notes:
¹Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006
²RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24
³Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium
⁴PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, June 2021.

N = normal sample; FD = field duplicate; SO = soil
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given; J = estimated at the value given; J+ =
- Value exceeds the NYCRR Unrestricted Use SCOs
- Value exceeds the NYCRR Residential Use SCOs
- Value exceeds RCRA regulatory limits

Table 3
Townsend Avenue
Site Characterization Report
Validated Subsurface Soil Data - Detected Compounds

Location ID Depth Sample ID Sample Type Matrix Sample Date					TSA-SB-007 5.0 - 6.0 ft TSA-SB-007-5.0-6.0 N SO 10/27/2022	TSA-SB-007 10.0 - 11.0 ft TSA-SB-007-10.0-11.0 N SO 10/27/2022	TSA-SB-007 13.5 - 14.5 ft TSA-SB-007-13.5-14.5 N SO 10/27/2022	TSA-SB-008 0 - 0.5 ft TSA-SB-008-0.0-0.5 N SO 10/26/2022	TSA-SB-008 0.5 - 1.0 ft TSA-SB-008-0.5-1.0 N SO 10/26/2022	TSA-SB-008 1.0 - 2.0 ft TSA-SB-008-1.0-2.0 N SO 10/26/2022	TSA-SB-008 8.0 - 9.0 ft TSA-SB-008-8.0-9.0 N SO 10/26/2022	TSA-SB-008 8.0 - 9.0 ft TSA-SB-008-8.0-9.0-D FD SO 10/26/2022	TSA-SB-008 13.5 - 14.5 ft TSA-SB-008-13.5-14.5 N SO 10/26/2022	TSA-SB-008 24.0 - 25.0 ft TSA-SB-008-24.0-25.0 N SO 10/26/2022	TSA-TP-01 2.0 - 2.5 ft TSA-TP-01-2.0-2.5 N SO 10/19/2022
Chemical Name	Unit	Part 375 Unrestricted SCOs ⁽¹⁾	Part 375 Residential SCOs ⁽¹⁾	RCRA Regulatory Limits ⁽²⁾											
INORGANICS															
Aluminum	mg/kg				12000	6900	5900	7300	8000	13000	7500	7700	5000	7200	8700
Arsenic	mg/kg	13	16		6	5.7	5.2	7.2	5.9	6.7	6.6	7.1	7.9	6.7	6.8
Barium	mg/kg	350	350		110	73	49	78	93	190	63	70	40	85	87
Beryllium	mg/kg	7.2	14		0.48	0.64	0.27	0.27	0.3	0.53	0.27	0.29	0.19	0.29	0.42
Boron	mg/kg				4 U	1.6 J	1.8 J	4.9	3.1 J	2.2 J	3.2 J	3.1 J	5.4	3.6 J	2.2 J
Cadmium	mg/kg	2.5	2.5		0.4 U	0.16 J	0.12 J	0.24 J	0.16 J	0.4 U	0.14 J	0.16 J	0.18 J	0.18 J	0.33 J
Calcium	mg/kg				570	2000	860	14000	12000	2100	10000	11000	87000	17000	7000
Chromium, Total	mg/kg	30	36		13	11	8.3	9.5	9.7	14	9.8	10	8.6	9.6	11
Cobalt	mg/kg				7.3	6.2	5.6	6	6.1	8.7	6	6.1	4.2	5.4	6.3
Copper	mg/kg	50	270		16	26	29	22	19	14	26	25	20	30	39
Iron	mg/kg				28000	21000	20000	19000	20000	26000	21000	19000	15000	20000	16000
Lead	mg/kg	63	400		9.8	15	6.7	24	15	13	12	14	10	9.6	64
Magnesium	mg/kg				2500	2200	2200	11000	8500	4000	9100	9800	36000	9100	2500
Manganese	mg/kg	1600	2000		350	540	380	460	450	690	490	550	460	700	370
Nickel	mg/kg	30	140		17	15	16	14	15	19	16	16	11	15	15
Potassium	mg/kg				680	710	650	780	640	820	690	730	670	900	700
Sodium	mg/kg				28 J	70 J	180 UJ	64 J	45 J	47 J	49 J	52 J	98 J	86 J	250
Vanadium	mg/kg				17	12	11	12	17	17	12	13	7.9	12	15
Zinc	mg/kg	109	2200		53	66	62	65	56	62	62	62	61 J	86	69
Mercury	mg/kg	0.18	0.81		0.043	0.023 J	0.014 J	0.036	0.026 J	0.054	0.025 J	0.024 J	0.02 J	0.032 J	0.06
TCLP Metals															
Arsenic	mg/l			5	0.05 U	0.05 U	0.05 U	0.014 J	0.05 U	0.05 U	0.016 J	0.022 J	0.05 U	0.05 U	0.0052 J
Barium	mg/l			100	0.46 J	0.42 J	0.48 J	1.3	1.7	0.74	0.74	0.97	1.4	0.85	0.55
Cadmium	mg/l			1	0.01 U	0.01 U	0.01 U	0.0039 J	0.0025 J	0.01 U	0.0022 J	0.0031 J	0.0026 J	0.0017 J	0.0012 J
Chromium, Total	mg/l			5	0.0026 J	0.05 U	0.05 U	0.0047 J	0.0039 J	0.05 U	0.05 U	0.0058 J	0.0029 J	0.0029 J	0.05 U
Lead	mg/l			5	0.0052 J	0.1 U	0.0073 J	0.0066 J	0.0066 J	0.1 U	0.016 J	0.016 J	0.0058 J	0.0072 J	0.0097 J
Mercury	mg/l			0.2	8.7E-05 J	8.5E-05 J	0.00015	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.00011
PESTICIDES															
P,P'-DDE	mg/kg	0.0033	1.8		0.0048 U	0.0046 U									
P,P'-DDT	mg/kg	0.0033	1.7		0.0048 U	0.0046 U									
HERBICIDES (no detections)															
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	0.05	100		0.002 U	0.002 U									
Benzene	mg/kg	0.06	2.9		0.002 U	0.00084 J									
Toluene	mg/kg	0.7	100		0.002 U										
SEMI-VOLATILE ORGANIC COMPOUNDS															
1-Methylnaphthalene	mg/kg				0.21 UJ	0.19 UJ	0.18 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.11 J
2-Methylnaphthalene	mg/kg				0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.13 J
Acenaphthylene	mg/kg	100	100		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.24 UJ
Anthracene	mg/kg	100	100		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.24 UJ
Benzo(A)Anthracene	mg/kg	1	1		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.21
Benzo(A)Pyrene	mg/kg	1	1		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.21 J
Benzo(B)Fluoranthene	mg/kg	1	1		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.37
Benzo(G,H,I)Perylene	mg/kg	100	100		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.15 J
Benzo(K)Fluoranthene	mg/kg	0.8	1		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.13 J
Bis(2-Ethylhexyl) Phthalate	mg/kg				0.41 U	0.39 U	0.37 U	0.39 UJ	0.39 UJ	0.41 UJ	0.38 UJ	0.38 UJ	0.37 UJ	0.49 UJ	0.49 UJ
Chrysene	mg/kg	1	1		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.32
Dibenz(A,H)Anthracene	mg/kg	0.33	0.33		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.24 UJ
Fluoranthene	mg/kg	100	100		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.47
Fluorene	mg/kg	30	100		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.24 UJ
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.16 J
Naphthalene	mg/kg	12	100		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.1 J
Phenanthrene	mg/kg	100	100		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.29
Pyrene	mg/kg	100	100		0.21 U	0.19 U	0.18 U	0.2 UJ	0.2 UJ	0.2 UJ	0.19 UJ	0.19 UJ	0.19 UJ	0.24 UJ	0.45
PFAS ⁽⁴⁾															
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88	8.8		0.32 J	0.5 U									
Perfluorooctanoic acid (PFOA)	ug/kg	0.66	6.6		0.27 J	0.5 U									
PCBS (no detections)															
1,4-Dioxane															
1,4-Dioxane (P-Dioxane)	ug/kg	100	9800		3.5 U	3.4 U	3.6 U	17 U	3.7 U	3.6 U	3.6 U	3.3 U	3.5 U	4 U	4 U
Cyanide															
Cyanide	mg/kg	27	27		0.6 U	0.56 U									
TPH															
Oil & Grease, Total Rec	mg/kg				59.6 J	44.3 J									

Notes:
¹Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006
²RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24
³Total chromium is compared against the NYCRR SCOs for trivalent (III) chromium
⁴PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, June 2021.

N = normal sample; FD = field duplicate; SO = soil
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given; J = estimated at the value given; J+ =
- Value exceeds the NYCRR Unrestricted Use SCOs
- Value exceeds the NYCRR Residential Use SCOs
- Value exceeds RCRA regulatory limits

Table 4
Townsend Avenue
Site Characterization Report
Validated Groundwater Data - Detected Compounds

					Location ID Sample ID Matrix Sampled Sample Type Code	TSA-MW-01 TSA-MW-01-20221209 WG 12/9/2022 N	TSA-MW-01 TSA-MW-01-20221209-D WG 12/9/2022 FD	TSA-MW-02 TSA-MW-02-2022-12-08 WG 12/8/2022 N
Chemical Name	Unit	NYCRR Class GA SGVs ⁽¹⁾	NYSDEC PFAS Guidance ⁽²⁾	RCRA Regulatory Limits ⁽³⁾				
METALS								
Aluminum	mg/l	0.1			0.068	0.072	0.057	
Antimony	mg/l	0.003			0.05 U	0.05 U	0.011 J	
Barium	mg/l	1			0.12	0.12	0.17	
Boron	mg/l				0.1 U	0.1 U	0.15	
Calcium	mg/l				83	83	100	
Iron	mg/l	0.3			0.085	0.097	0.071	
Magnesium	mg/l	35			19	19	22	
Manganese	mg/l	0.3			0.029	0.029	0.0044 J	
Potassium	mg/l				2.4	2.4	3.8	
Sodium	mg/l	20			34	34	130	
Vanadium	mg/l				0.0035 J	0.0057 J	0.0093 J	
Zinc	mg/l	2			0.01 U	0.0052 J	0.01 U	
Mercury	mg/l	0.0007			0.00013	0.00013	0.00013	
TCLP Metals								
Barium	mg/l			100	0.12 J	0.12 J	0.17 J	
Mercury	mg/l			0.2	0.0001 U	0.000062 J	0.0001 U	
VOCs								
Acetone	ug/l	50			50 U	50 U	3.2 J	
Bromodichloromethane	ug/l	50			0.5 U	0.5 U	4.9	
Bromoform	ug/l	50			1 UJ	1 UJ	3.1	
Chloroform	ug/l	7			2 U	2 U	3.6	
Dibromochloromethane	ug/l	50			0.5 U	0.5 U	5.9	
SVOCs (No Detections)								
PFAS								
Perfluorobutanesulfonic acid (PFBS)	ng/l				1.9 U	1.9 U	5.9	
Perfluorobutanoic Acid	ng/l				1.9 U	1.9 U	2	
Perfluoroheptanoic acid (PFHpA)	ng/l				1.9 U	1.9 U	1 J	
Perfluorohexanesulfonic acid (PFHxS)	ng/l				1.9 U	1.9 U	2.1	
Perfluorohexanoic acid (PFHxA)	ng/l				1.9 U	1.9 U	1.9	
Perfluorooctanesulfonic acid (PFOS)	ng/l		10		1.9 U	1.9 U	1.3 J	
Perfluorooctanoic acid (PFOA)	ng/l		10		1.9 U	1.9 U	2.2	
Perfluoropentanoic Acid (PFPeA)	ng/l				1.9 U	1.9 U	2.5	
PESTICIDES (No Detections)								
HERBICIDES (No Detections)								
PCBS (No Detections)								
TPH (No Detections)								

Notes:

¹NYSDEC Groundwater Standards and Guidance Values (SGVs) obtained from the Division of Water TOGS 1.1.1. June 1998

²PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, June 2021.

³RCRA maximum concentration of contaminants for the toxicity characteristic from 40 CFR § 261.24

N = normal sample; WG = groundwater; FD = field duplicate

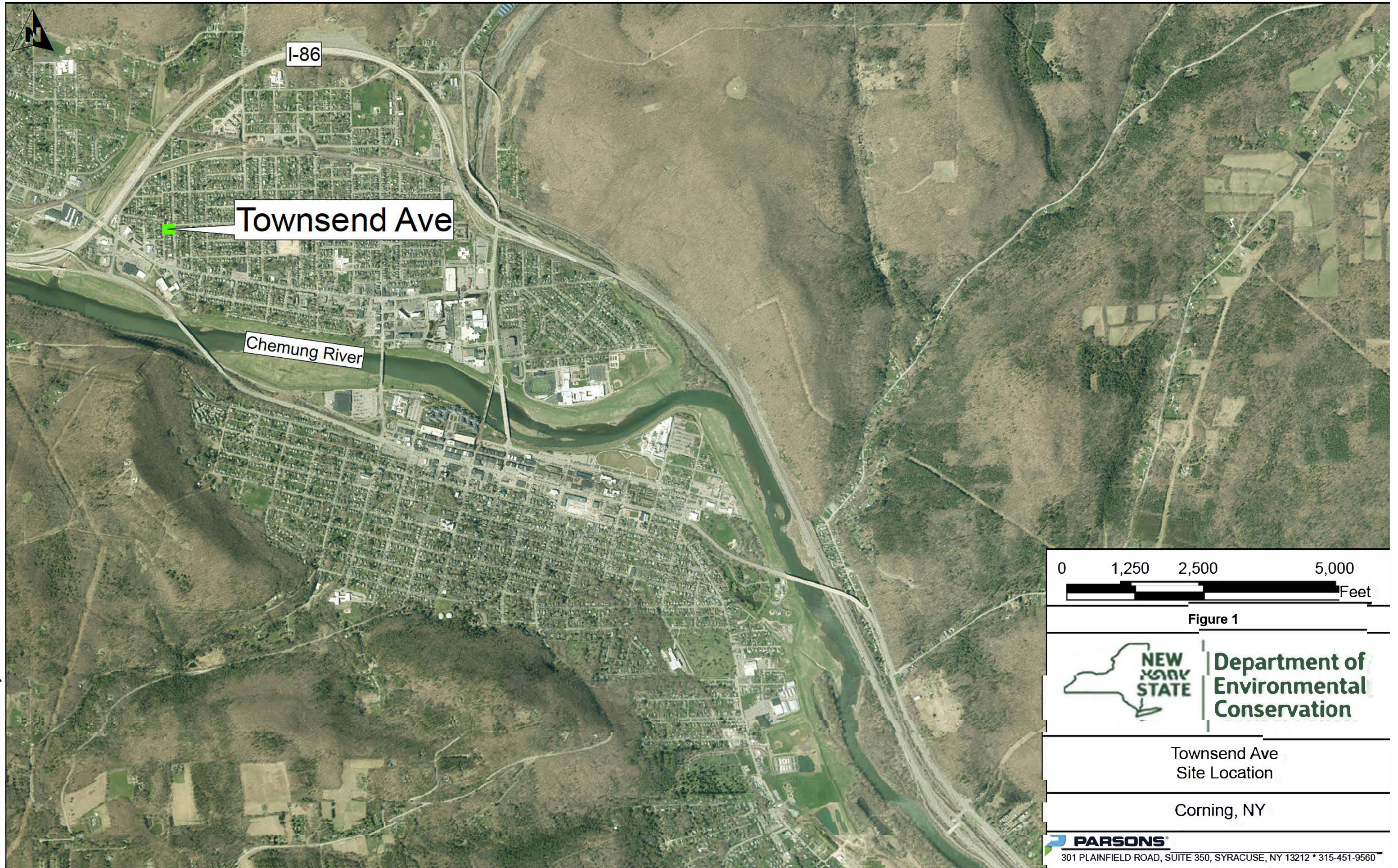
mg/l = milligrams per liter; ug/l = micrograms per liter; ng/l = nanograms per liter

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given

J = estimated at the value given; J+ = estimated biased high at the value given

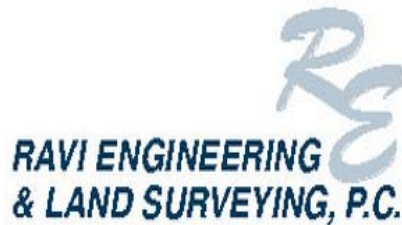
- Value exceeds Class GA groundwater quality standard.

FIGURES



APPENDIX A

SUBSURFACE UTILITY ENGINEERING REPORT



Subsurface Utility Engineering (SUE) Report

■ Townsend Ave. Corning, New York 14830

Client:

Tom Horn- Parsons

Work Date:

Tuesday, October 18th 2022

Technicians:

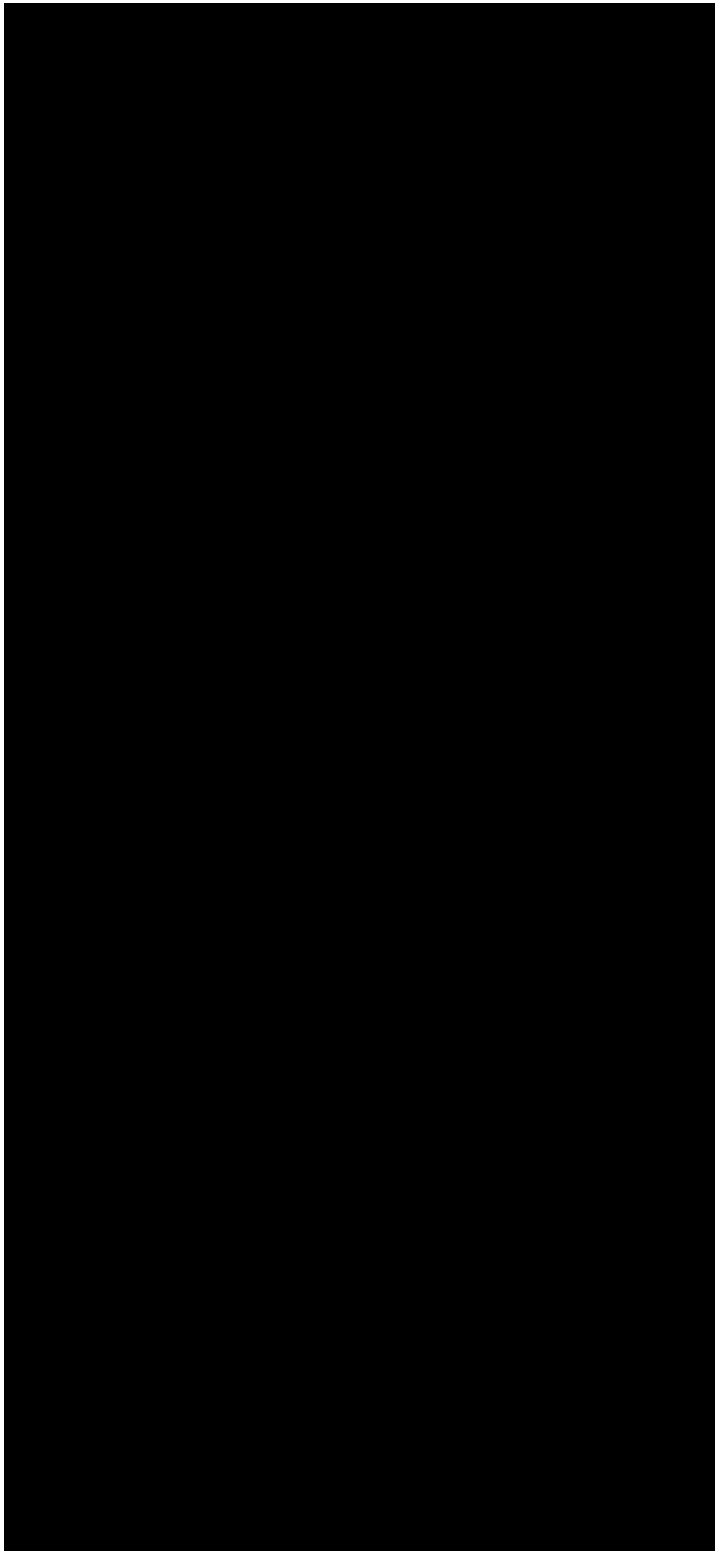
- Kiel Roeger (see abbreviated bio. on pg. 4)

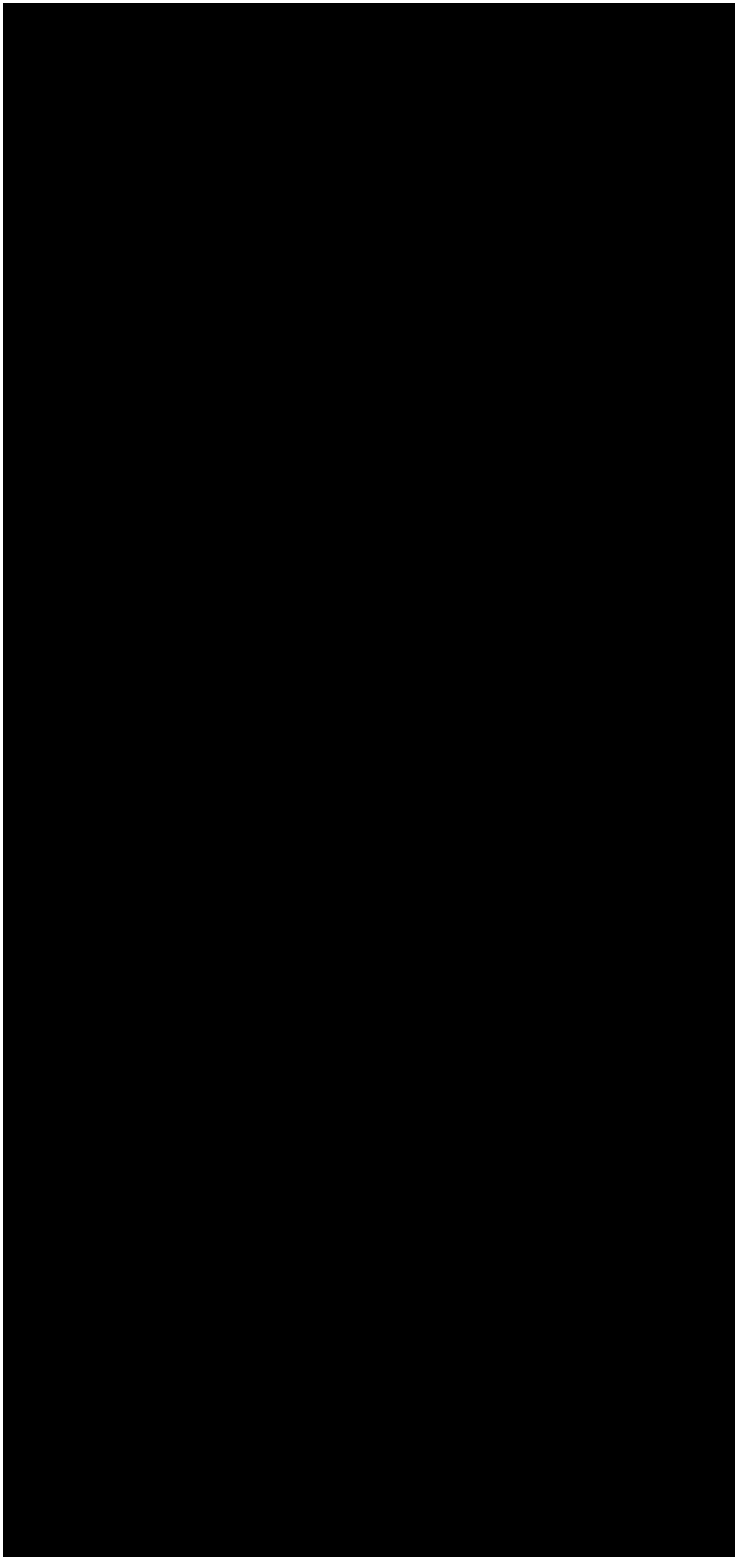
Equipment Used:

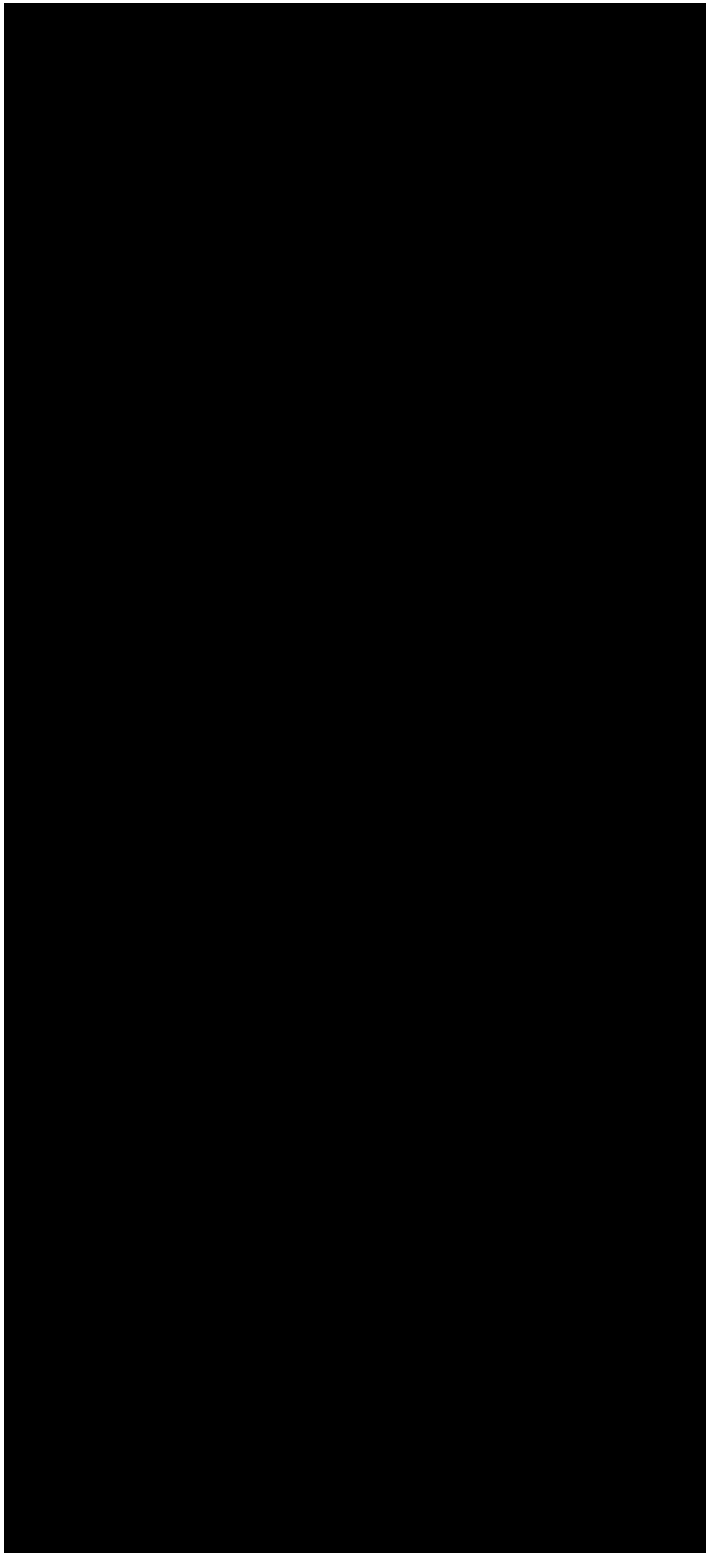
- US Radar GPRover (GPR)
- Radiodetection 8100
- VLoc 3 RTK Pro

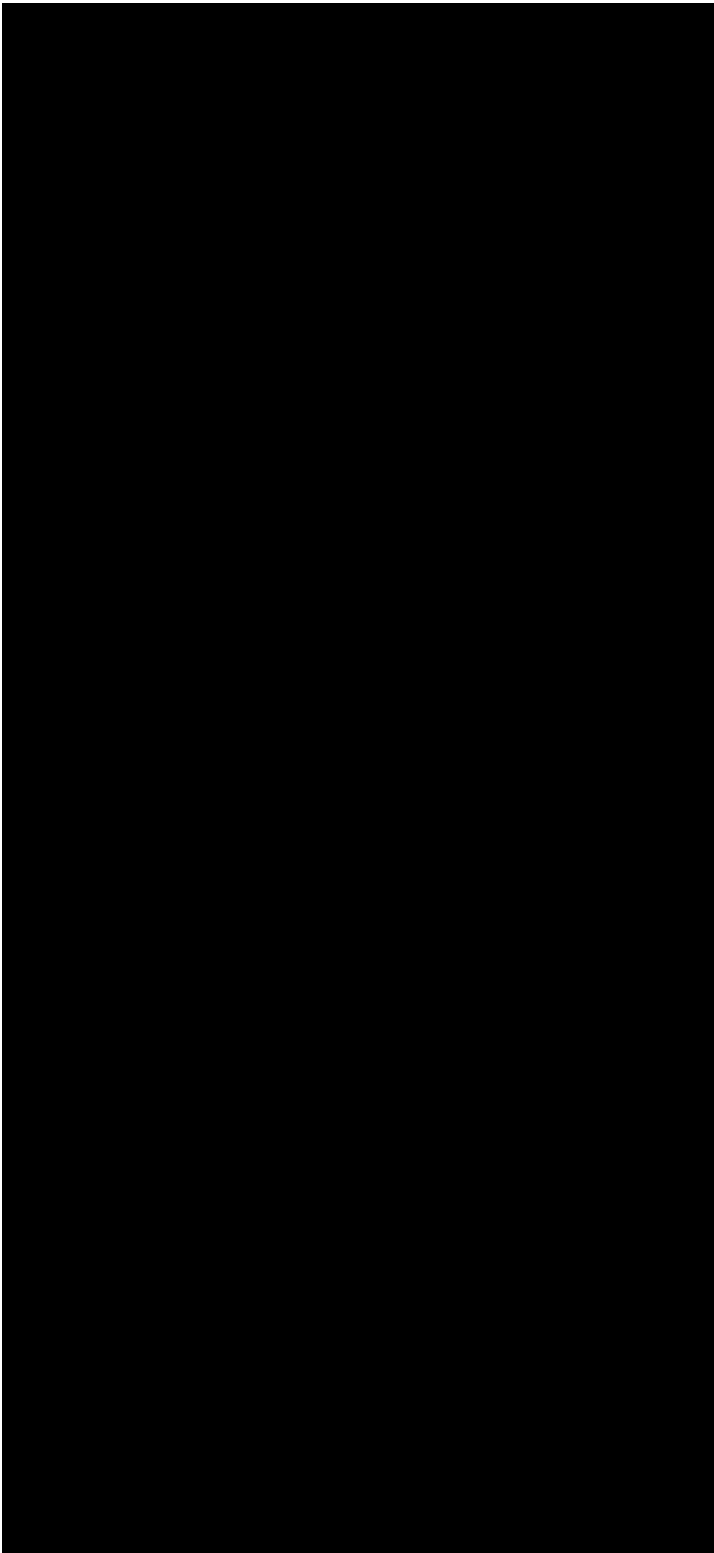
Methods/Key Findings:

Ravi Engineering & Land Surveying, PC technician scanned with ground Penetrating Radar and electromagnetic locating equipment in an attempt to locate underground voids and utilities for two Soil borings/ monitoring wells, located at ■. One boring on the Northside of the property and one on the Southside of the property. The boring on the south side of the property was found to be clear for underground utilities and voids. GPR was able to scan to a depth of 42 inches. The boring on the Northside of the property was more involved. Gas(yellow) and water(blue) were marked using EM locating. A limited GPR scan was performed due to numerous above ground obstructions in the area of the proposed soil boring/ monitoring well. GPR was able to scan to a depth of 42inches finding a few anomalies that were marked in purple. One marked within inches of the proposed soil boring/ monitoring well.

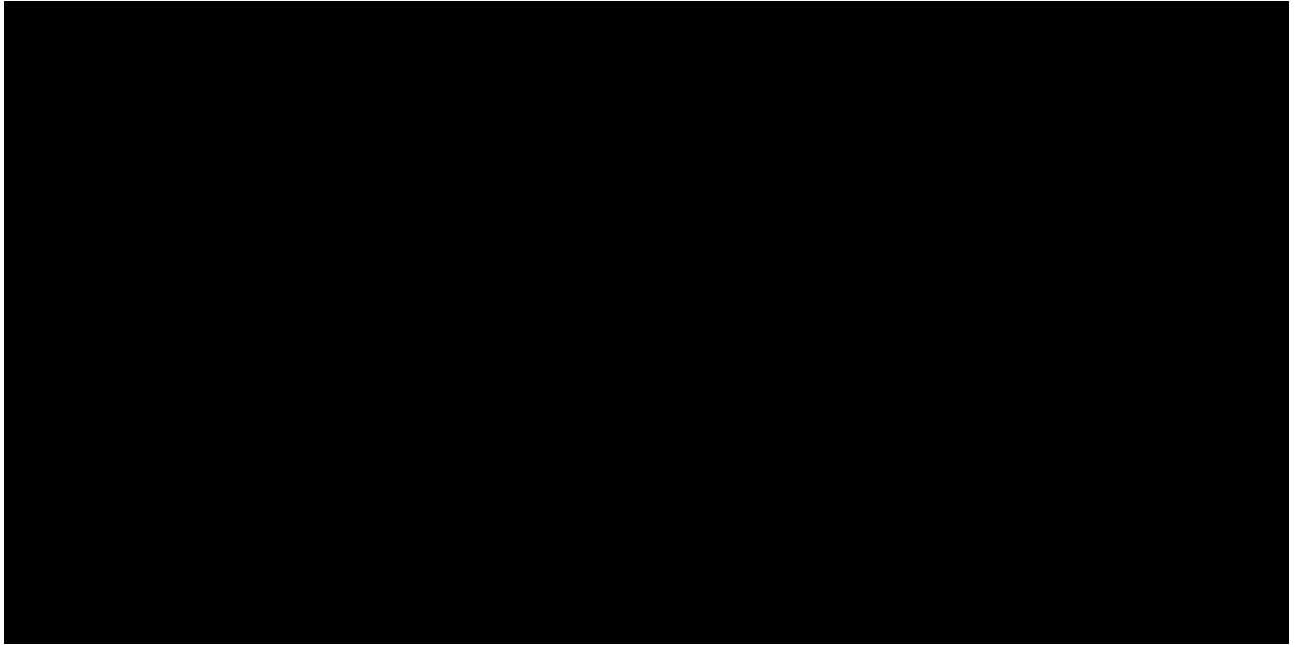








The following Google Earth view of the site:



Abbreviated Biographies:

Kiel Roeger:

- 12+ years of experience in utility services with management experience
- MACP & PACP certified by Nassco Lateral and Manhole Assessment Certification
- OSHA Hazwoper certified
- OSHA 10 Certified
- Confined Space certified

References/Attachments:

1. <https://usradar.com/gp-rover-utility-mapping-system/>
2. https://www.radiodetection.com/sites/default/files/RD8100-OPMAN-ENG_03.pdf
3. <https://www.vivax-metrotech.com/vivax-product/vloc3-rtk-pro/>
4. <https://www.geophysical.com/wp-content/uploads/2017/10/GSSI-StructureScan-Mini-XT-Manual.pdf>
5. https://pipehorn.com/wp-content/uploads/2018/04/800-high-frequency_manual.pdf
6. <https://www.pearpoint.com/sites/default/files/P350flexitraxOperationManualV12.pdf?buster=U0pwchgU>

APPENDIX B

CAMP DATA

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_001
Test Start Time	1:43:17 PM
Test Start Date	10/4/2022
Test Length [D:H:M]	0:01:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.028
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	6

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.024		
1800	0.006		
2700	0.002		
3600	0.028		
4500	0.008		
5400	0.004		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_002
Test Start Time	8:24:33 AM
Test Start Date	10/5/2022
Test Length [D:H:M]	0:00:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.021
Mass Minimum [mg/m3]	0.021
Mass Maximum [mg/m3]	0.021
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	2

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.021		
1800	0.021		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_003
Test Start Time	11:50:31 AM
Test Start Date	10/5/2022
Test Length [D:H:M]	0:01:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	-0.002
Mass Maximum [mg/m3]	0.032
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	4

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.032		
1800	0		
2700	-0.002		
3600	-0.002		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_004
Test Start Time	1:04:45 PM
Test Start Date	10/5/2022
Test Length [D:H:M]	0:02:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.018
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	11

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.018		
1800	0.007		
2700	0.001		
3600	0.01		
4500	0.004		
5400	0		
6300	0.014		
7200	0.008		
8100	0.001		
9000	0.002		
9900	0.006		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_005
Test Start Time	8:06:21 AM
Test Start Date	10/6/2022
Test Length [D:H:M]	0:03:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.016
Mass Minimum [mg/m3]	0.014
Mass Maximum [mg/m3]	0.019
Mass TWA [mg/m3]	0.007
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.017		
1800	0.017		
2700	0.017		
3600	0.017		
4500	0.018		
5400	0.019		
6300	0.018		
7200	0.017		
8100	0.015		
9000	0.015		
9900	0.015		
10800	0.014		
11700	0.014		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_006
Test Start Time	9:33:46 AM
Test Start Date	10/12/2022
Test Length [D:H:M]	0:00:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.05
Mass Minimum [mg/m3]	0.049
Mass Maximum [mg/m3]	0.052
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	2

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.049		
1800	0.052		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_007
Test Start Time	11:10:10 AM
Test Start Date	10/12/2022
Test Length [D:H:M]	0:00:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.025
Mass Minimum [mg/m3]	0.025
Mass Maximum [mg/m3]	0.025
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.025		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_008
Test Start Time	11:54:53 AM
Test Start Date	10/12/2022
Test Length [D:H:M]	0:00:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.009
Mass Minimum [mg/m3]	0.009
Mass Maximum [mg/m3]	0.009
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.009		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_009
Test Start Time	9:29:27 AM
Test Start Date	10/19/2022
Test Length [D:H:M]	0:02:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0
Mass Minimum [mg/m3]	-0.002
Mass Maximum [mg/m3]	0.002
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	10

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.002		
1800	0		
2700	0		
3600	0		
4500	0		
5400	-0.001		
6300	-0.001		
7200	-0.002		
8100	-0.001		
9000	-0.002		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_010
Test Start Time	1:45:18 PM
Test Start Date	10/20/2022
Test Length [D:H:M]	0:01:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.008
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	7

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.008		
1800	0.008		
2700	0.007		
3600	0.006		
4500	0.006		
5400	0.005		
6300	0.005		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_011
Test Start Time	11:57:04 AM
Test Start Date	10/24/2022
Test Length [D:H:M]	0:00:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.006
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	2

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.006		
1800	0.003		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_012
Test Start Time	2:17:02 PM
Test Start Date	10/24/2022
Test Length [D:H:M]	0:02:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.008
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	8

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.005		
1800	0.007		
2700	0.007		
3600	0.005		
4500	0.005		
5400	0.005		
6300	0.006		
7200	0.008		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_013
Test Start Time	9:19:52 AM
Test Start Date	10/25/2022
Test Length [D:H:M]	0:02:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.003
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.01
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	8

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.01		
1800	0.006		
2700	0.003		
3600	0.002		
4500	0		
5400	0		
6300	0		
7200	0		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_014
Test Start Time	9:38:20 AM
Test Start Date	10/26/2022
Test Length [D:H:M]	0:03:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.002
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.005
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.005		
1800	0.003		
2700	0.001		
3600	0.001		
4500	0.001		
5400	0.002		
6300	0.002		
7200	0.002		
8100	0.002		
9000	0.001		
9900	0.001		
10800	0.002		
11700	0.001		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_015
Test Start Time	3:36:23 PM
Test Start Date	10/26/2022
Test Length [D:H:M]	0:01:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.01
Mass Minimum [mg/m3]	0.008
Mass Maximum [mg/m3]	0.013
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	6

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.013		
1800	0.011		
2700	0.01		
3600	0.009		
4500	0.008		
5400	0.009		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_016
Test Start Time	11:03:28 AM
Test Start Date	10/27/2022
Test Length [D:H:M]	0:01:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	4

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0		
1800	0		
2700	0		
3600	0		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_017
Test Start Time	1:07:05 PM
Test Start Date	10/27/2022
Test Length [D:H:M]	0:01:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.001
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	7

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0		
1800	0.001		
2700	0		
3600	0		
4500	0		
5400	0		
6300	0		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_018
Test Start Time	3:03:00 PM
Test Start Date	10/27/2022
Test Length [D:H:M]	0:02:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.002
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.006
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	10

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.002		
1800	0		
2700	0		
3600	0		
4500	0.003		
5400	0.006		
6300	0.001		
7200	0.001		
8100	0.002		
9000	0.002		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_019
Test Start Time	8:31:15 AM
Test Start Date	10/28/2022
Test Length [D:H:M]	0:05:06
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.011
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.015
Mass TWA [mg/m3]	0.007
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	5

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.015		
1800	0.014		
2700	0.014		
3600	0.012		
18360	0		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_016
Test Start Time	11:25:57 AM
Test Start Date	10/31/2022
Test Length [D:H:M]	0:02:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.008
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.014
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	11

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.014		
1800	0.009		
2700	0.01		
3600	0.013		
4500	0.011		
5400	0.006		
6300	0.005		
7200	0.005		
8100	0.005		
9000	0.005		
9900	0.004		

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22/10/04 13:39

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	DSC00003
User ID	MAB00003

Begin	10/4/2022 13:39
End	10/4/2022 13:42
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	9/27/2022 7:24

Datalog

0 record.

=====

22/10/04 13:46

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	DSC00003
User ID	MAB00003

Begin	10/4/2022 13:46
End	10/4/2022 15:27
Sample Period(s)	900
Number of Records	6

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/4/2022 13:46
Peak	0
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/4/2022 14:01	0	0	0	0
002	10/4/2022 14:16	0	0	0.1	0
003	10/4/2022 14:31	0	0	0	0
004	10/4/2022 14:46	0	0	0	0
005	10/4/2022 15:01	0	0	0.1	0
006	10/4/2022 15:16	0	0	0	0
Peak		0	0	0.1	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/4/2022 14:01	0	0
002	10/4/2022 14:16	0	0
003	10/4/2022 14:31	0	0
004	10/4/2022 14:46	0	0
005	10/4/2022 15:01	0	0
006	10/4/2022 15:16	0	0

22/10/05 08:02

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	DSC00003
User ID	MAB00003

Begin	10/5/2022 8:02
End	10/5/2022 8:04
Sample Period(s)	900

Number of Records	0
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Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/4/2022 13:46

Datalog

0 record.

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22/10/05 08:07

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	DSC00003
User ID	MAB00003

Begin	10/5/2022 8:07
End	10/5/2022 9:10
Sample Period(s)	900
Number of Records	4

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/5/2022 8:06
Peak	0.1
Min	0.1
Average	0.1

Datalog

PID(ppm) PID(ppm) PID(ppm) PID(ppm)

Index	Date/Time	(Min)	(Avg)	(Max)	(Real)
001	10/5/2022 8:22	0	0	0.1	0.1
002	10/5/2022 8:37	0.1	0.1	0.1	0.1
003	10/5/2022 8:52	0.1	0.1	0.1	0.1
004	10/5/2022 9:07	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.1	0.1
Min		0	0	0.1	0.1
Average		0.1	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/5/2022 8:22	0	0.1
002	10/5/2022 8:37	0	0.2
003	10/5/2022 8:52	0	0.2
004	10/5/2022 9:07	0	0.2

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22/10/05 11:54

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	DSC00003
User ID	MAB00003

Begin	10/5/2022 11:54
End	10/5/2022 12:13
Sample Period(s)	900
Number of Records	1

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/5/2022 8:06
Peak	0
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/5/2022 12:09	0	0	0	0
Peak		0	0	0	0

Min	0	0	0	0
Average	0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/5/2022 12:09	0	0

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22/10/05 13:08

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	DSC00003
User ID	MAB00003

Begin	10/5/2022 13:08
End	10/5/2022 16:02
Sample Period(s)	900
Number of Records	11

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/5/2022 8:06
Peak	0
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/5/2022 13:23	0	0	0	0
002	10/5/2022 13:38	0	0	0	0
003	10/5/2022 13:53	0	0	0.1	0
004	10/5/2022 14:08	0	0	0	0
005	10/5/2022 14:23	0	0	0	0
006	10/5/2022 14:38	0	0	0	0
007	10/5/2022 14:53	0	0	0	0
008	10/5/2022 15:08	0	0	0	0
009	10/5/2022 15:23	0	0	0	0
010	10/5/2022 15:38	0	0	0	0
011	10/5/2022 15:53	0	0	0	0

Peak	0	0	0.1	0
Min	0	0	0	0
Average	0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/5/2022 13:23	0	0
002	10/5/2022 13:38	0	0
003	10/5/2022 13:53	0	0
004	10/5/2022 14:08	0	0
005	10/5/2022 14:23	0	0
006	10/5/2022 14:38	0	0
007	10/5/2022 14:53	0	0
008	10/5/2022 15:08	0	0
009	10/5/2022 15:23	0	0
010	10/5/2022 15:38	0	0
011	10/5/2022 15:53	0	0

22/10/06 08:04

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	DSC00003
User ID	MAB00003

Begin	10/6/2022 8:04
End	10/6/2022 8:06
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/5/2022 8:06

Datalog

0 record.

22/10/06 08:09

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918193
Unit Firmware Ver V2.14

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID DSC00003
User ID MAB00003

Begin 10/6/2022 8:09
End 10/6/2022 11:38
Sample Period(s) 900
Number of Records 13

Sensor PID(ppm)
Sensor SN S023030252UA
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/6/2022 8:09
Peak 0.1
Min 0
Average 0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/6/2022 8:24	0	0	0.4	0.1
002	10/6/2022 8:39	0	0	0.2	0
003	10/6/2022 8:54	0	0	0.1	0
004	10/6/2022 9:09	0	0	0.1	0
005	10/6/2022 9:24	0	0.1	0.1	0.1
006	10/6/2022 9:39	0.1	0.1	0.1	0.1
007	10/6/2022 9:54	0.1	0.1	0.1	0.1
008	10/6/2022 10:09	0.1	0.1	0.1	0.1
009	10/6/2022 10:24	0.1	0.1	0.1	0.1
010	10/6/2022 10:39	0.1	0.1	0.1	0.1
011	10/6/2022 10:54	0	0.1	0.1	0.1
012	10/6/2022 11:09	0	0	0.1	0
013	10/6/2022 11:24	0	0	0	0
Peak		0.1	0.1	0.4	0.1
Min		0	0	0	0
Average		0	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
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001	10/6/2022 8:24	0	0.1
002	10/6/2022 8:39	0	0.1
003	10/6/2022 8:54	0	0
004	10/6/2022 9:09	0	0
005	10/6/2022 9:24	0	0.1
006	10/6/2022 9:39	0	0.2
007	10/6/2022 9:54	0	0.2
008	10/6/2022 10:09	0	0.2
009	10/6/2022 10:24	0	0.2
010	10/6/2022 10:39	0	0.2
011	10/6/2022 10:54	0	0.2
012	10/6/2022 11:09	0	0.1
013	10/6/2022 11:24	0	0

22/10/12 09:22

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	DSC00003
User ID	MAB00003

Begin	10/12/2022 9:22
End	10/12/2022 9:23
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/6/2022 8:09

Datalog

0 record.

22/10/12 09:27

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode
Datalog Mode
Diagnostic Mode
Stop Reason

Hygiene Mode
Auto
No
Power Down

Site ID
User ID

DSC00003
MAB00003

Begin
End
Sample Period(s)
Number of Records

10/12/2022 9:27
10/12/2022 10:21
900
3

Sensor
Sensor SN
Measure Type
Span
Span 2
Low Alarm
High Alarm
Over Alarm
STEL Alarm
TWA Alarm
Measurement Gas
Calibration Time
Peak
Min
Average

PID(ppm)
S023030252UA
Min; Avg; Max; Real
100
1000
50
100
15000
25
10
Isobutylene
10/12/2022 9:27
0.1
0.1
0.1

Datalog

Index

001

002

003

Peak

Min

Average

Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
10/12/2022 9:42	0	0.1	0.1	0.1
10/12/2022 9:57	0.1	0.1	0.2	0.1
10/12/2022 10:12	0.1	0.1	0.1	0.1
	0.1	0.1	0.2	0.1
	0	0.1	0.1	0.1
	0.1	0.1	0.1	0.1

TWA/STEL

Index

001

002

003

Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
10/12/2022 9:42	0	0.1
10/12/2022 9:57	0	0.2
10/12/2022 10:12	0	0.2

22/10/12 11:15

Summary

Unit Name
Unit SN
Unit Firmware Ver

MiniRAE 3000(PGM-7320)
592-918193
V2.14

Running Mode
Datalog Mode
Diagnostic Mode
Stop Reason

Hygiene Mode
Auto
No
Power Down

Site ID DSC00003
User ID MAB00003

Begin 10/12/2022 11:15
End 10/12/2022 11:45
Sample Period(s) 900
Number of Records 1

Sensor PID(ppm)
Sensor SN S023030252UA
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/12/2022 9:27
Peak 0
Min 0
Average 0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/12/2022 11:30	0	0	0	0
Peak		0	0	0	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/12/2022 11:30	0	0

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22/10/12 11:53

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918193
Unit Firmware Ver V2.14

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID DSC00003
User ID MAB00003

Begin 10/12/2022 11:53
End 10/12/2022 12:27
Sample Period(s) 900
Number of Records 2

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/12/2022 9:27
Peak	0
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/12/2022 12:08	0	0	0	0
002	10/12/2022 12:23	0	0	0	0
Peak		0	0	0	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/12/2022 12:08	0	0
002	10/12/2022 12:23	0	0

=====
22/10/13 11:14

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	DSC00003
User ID	MAB00003

Begin	10/13/2022 11:14
End	10/13/2022 11:25
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100

Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/12/2022 9:27

Datalog

0 record.

=====

22/10/14 11:50

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918193
Unit Firmware Ver V2.14

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID DSC00003
User ID MAB00003

Begin 10/14/2022 11:50
End 10/14/2022 13:16
Sample Period(s) 900
Number of Records 5

Sensor PID(ppm)
Sensor SN S023030252UA
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/12/2022 9:27
Peak 0.2
Min 0.1
Average 0.2

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/14/2022 12:05	0	0.1	0.1	0.1
002	10/14/2022 12:20	0.1	0.1	0.2	0.2
003	10/14/2022 12:35	0.2	0.2	0.2	0.2
004	10/14/2022 12:50	0.2	0.2	0.2	0.2
005	10/14/2022 13:05	0.2	0.2	0.2	0.2
Peak		0.2	0.2	0.2	0.2
Min		0	0.1	0.1	0.1
Average		0.1	0.2	0.2	0.2

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/14/2022 12:05	0	0.1
002	10/14/2022 12:20	0	0.3
003	10/14/2022 12:35	0	0.4
004	10/14/2022 12:50	0	0.4
005	10/14/2022 13:05	0	0.4

=====

22/10/19 09:25

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	DSC00003
User ID	MAB00003

Begin	10/19/2022 9:25
End	10/19/2022 9:26
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/12/2022 9:27

Datalog

0 record.

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22/10/19 09:28

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto

Diagnostic Mode
Stop Reason

No
Power Down

Site ID
User ID

DSC00003
MAB00003

Begin
End
Sample Period(s)
Number of Records

10/19/2022 9:28
10/19/2022 12:19
900
11

Sensor
Sensor SN
Measure Type
Span
Span 2
Low Alarm
High Alarm
Over Alarm
STEL Alarm
TWA Alarm
Measurement Gas
Calibration Time
Peak
Min
Average

PID(ppm)
S023030252UA
Min; Avg; Max; Real
100
1000
50
100
15000
25
10
Isobutylene
10/19/2022 9:28
0.1
0
0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/19/2022 9:43	0	0	0.2	0
002	10/19/2022 9:58	0	0	0.1	0.1
003	10/19/2022 10:13	0	0.1	0.1	0.1
004	10/19/2022 10:28	0.1	0.1	0.1	0.1
005	10/19/2022 10:43	0.1	0.1	0.1	0.1
006	10/19/2022 10:58	0.1	0.1	0.1	0.1
007	10/19/2022 11:13	0.1	0.1	0.1	0.1
008	10/19/2022 11:28	0.1	0.1	0.1	0.1
009	10/19/2022 11:43	0.1	0.1	0.1	0.1
010	10/19/2022 11:58	0.1	0.1	0.1	0.1
011	10/19/2022 12:13	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.2	0.1
Min		0	0	0.1	0
Average		0.1	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/19/2022 9:43	0	0
002	10/19/2022 9:58	0	0.1
003	10/19/2022 10:13	0	0.2
004	10/19/2022 10:28	0	0.2
005	10/19/2022 10:43	0	0.2
006	10/19/2022 10:58	0	0.2
007	10/19/2022 11:13	0	0.2
008	10/19/2022 11:28	0	0.2
009	10/19/2022 11:43	0	0.2
010	10/19/2022 11:58	0	0.2
011	10/19/2022 12:13	0	0.2

22/10/20 13:48

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	DSC00003
User ID	MAB00003
Begin	10/20/2022 13:48
End	10/20/2022 13:48
Sample Period(s)	900
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/19/2022 9:28

Datalog

0 record.

22/10/20 13:52

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	DSC00003
User ID	MAB00003
Begin	10/20/2022 13:52
End	10/20/2022 15:47
Sample Period(s)	900
Number of Records	7

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-----
Sensor                               PID(ppm)
Sensor SN                           S023030252UA
Measure Type                         Min; Avg; Max; Real
Span                                100
Span 2                              1000
Low Alarm                            50
High Alarm                           100
Over Alarm                           15000
STEL Alarm                           25
TWA Alarm                             10
Measurement Gas                      Isobutylene
Calibration Time                     10/20/2022 13:51
Peak                                 0.1
Min                                   0
Average                              0
```

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/20/2022 14:07	0	0	0.1	0
002	10/20/2022 14:22	0	0	0	0
003	10/20/2022 14:37	0	0	0	0
004	10/20/2022 14:52	0	0	0	0
005	10/20/2022 15:07	0	0	0.1	0
006	10/20/2022 15:22	0	0	0.1	0.1
007	10/20/2022 15:37	0	0.1	0.1	0.1
Peak		0	0.1	0.1	0.1
Min		0	0	0	0
Average		0	0	0.1	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/20/2022 14:07	0	0
002	10/20/2022 14:22	0	0
003	10/20/2022 14:37	0	0
004	10/20/2022 14:52	0	0
005	10/20/2022 15:07	0	0
006	10/20/2022 15:22	0	0.1
007	10/20/2022 15:37	0	0.2

=====

22/10/24 11:58

Summary

```
-----
Unit Name           MiniRAE 3000(PGM-7320)
Unit SN             592-918193
Unit Firmware Ver   V2.14
```

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-----
Running Mode        Hygiene Mode
Datalog Mode        Auto
Diagnostic Mode      No
Stop Reason          Pause in Menu Mode
```

```
-----
Site ID             DSC00003
User ID             MAB00003
```

```
-----
Begin               10/24/2022 11:58
```

End	10/24/2022 11:58
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/20/2022 13:51

Datalog

0 record.

=====

22/10/24 12:03

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	DSC00003
User ID	MAB00003

Begin	10/24/2022 12:03
End	10/24/2022 12:13
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/24/2022 12:03

Datalog

0 record.

22/10/24 12:15

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918193
Unit Firmware Ver V2.14

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID DSC00003
User ID MAB00003

Begin 10/24/2022 12:15
End 10/24/2022 12:41
Sample Period(s) 900
Number of Records 1

Sensor PID(ppm)
Sensor SN S023030252UA
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/24/2022 12:03
Peak 0.4
Min 0.4
Average 0.4

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/24/2022 12:30	0	0.1	0.5	0.4
Peak		0	0.1	0.5	0.4
Min		0	0.1	0.5	0.4
Average		0	0.1	0.5	0.4

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/24/2022 12:30	0	0.4

22/10/24 14:00

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918193
Unit Firmware Ver V2.14

Running Mode
Datalog Mode
Diagnostic Mode
Stop Reason

Hygiene Mode
Auto
No
Power Down

Site ID
User ID

DSC00003
MAB00003

Begin
End
Sample Period(s)
Number of Records

10/24/2022 14:00
10/24/2022 16:25
900
9

Sensor
Sensor SN
Measure Type
Span
Span 2
Low Alarm
High Alarm
Over Alarm
STEL Alarm
TWA Alarm
Measurement Gas
Calibration Time
Peak
Min
Average

PID(ppm)
S023030252UA
Min; Avg; Max; Real
100
1000
50
100
15000
25
10
Isobutylene
10/24/2022 12:03
1.2
0
0.7

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/24/2022 14:15	0	0	0.3	0
002	10/24/2022 14:30	0	0.2	0.5	0.3
003	10/24/2022 14:45	0.2	0.5	1.3	0.5
004	10/24/2022 15:00	0.3	0.6	0.9	0.6
005	10/24/2022 15:15	0.5	0.8	1	0.9
006	10/24/2022 15:30	0.7	0.9	4.1	0.9
007	10/24/2022 15:45	0.8	1	1.2	1.1
008	10/24/2022 16:00	0.9	1.1	1.3	1.1
009	10/24/2022 16:15	0.9	1.3	1.7	1.2
Peak		0.9	1.3	4.1	1.2
Min		0	0	0.3	0
Average		0.5	0.7	1.4	0.7

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/24/2022 14:15	0	0
002	10/24/2022 14:30	0	0.3
003	10/24/2022 14:45	0	0.8
004	10/24/2022 15:00	0	1.1
005	10/24/2022 15:15	0.1	1.5
006	10/24/2022 15:30	0.1	1.8
007	10/24/2022 15:45	0.1	2
008	10/24/2022 16:00	0.2	2.2
009	10/24/2022 16:15	0.2	2.3

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22/10/25 07:19

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	DSC00003
User ID	MAB00003
Begin	10/25/2022 7:19
End	10/25/2022 7:20
Sample Period(s)	900
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/24/2022 12:03

Datalog

0 record.

22/10/25 07:24

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	DSC00003
User ID	MAB00003
Begin	10/25/2022 7:24
End	10/25/2022 7:24
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/25/2022 7:24

Datalog

0 record.

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22/10/25 07:25

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	DSC00003
User ID	MAB00003

Begin	10/25/2022 7:25
End	10/25/2022 7:25
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/25/2022 7:24

Datalog

0 record.

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22/10/25 07:25

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	DSC00003
User ID	MAB00003
Begin	10/25/2022 7:25
End	10/25/2022 7:26
Sample Period(s)	900
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/25/2022 7:24

Datalog

0 record.

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22/10/25 09:27

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	DSC00003
User ID	MAB00003
Begin	10/25/2022 9:27
End	10/25/2022 11:38
Sample Period(s)	900
Number of Records	8
Sensor	PID(ppm)
Sensor SN	S023030252UA

Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/25/2022 7:24
Peak	0.1
Min	0
Average	0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/25/2022 9:42	0	0	0	0
002	10/25/2022 9:57	0	0	0.1	0.1
003	10/25/2022 10:12	0.1	0.1	0.1	0.1
004	10/25/2022 10:27	0.1	0.1	0.1	0.1
005	10/25/2022 10:42	0.1	0.1	0.1	0.1
006	10/25/2022 10:57	0	0	0.1	0
007	10/25/2022 11:12	0	0	0.1	0
008	10/25/2022 11:27	0	0	0	0
Peak		0.1	0.1	0.1	0.1
Min		0	0	0	0
Average		0	0	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/25/2022 9:42	0	0
002	10/25/2022 9:57	0	0.1
003	10/25/2022 10:12	0	0.2
004	10/25/2022 10:27	0	0.2
005	10/25/2022 10:42	0	0.2
006	10/25/2022 10:57	0	0.1
007	10/25/2022 11:12	0	0
008	10/25/2022 11:27	0	0

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22/10/26 08:27

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	DSC00003
User ID	MAB00003

Begin	10/26/2022 8:27
End	10/26/2022 8:32

Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/25/2022 7:24

Datalog

0 record.

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22/10/26 08:37

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	DSC00003
User ID	MAB00003

Begin	10/26/2022 8:37
End	10/26/2022 13:04
Sample Period(s)	900
Number of Records	17

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/26/2022 8:35
Peak	0.1
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/26/2022 8:52	0	0.1	2	0
002	10/26/2022 9:07	0	0.1	0.1	0.1
003	10/26/2022 9:22	0.1	0.1	0.1	0.1
004	10/26/2022 9:37	0.1	0.1	0.1	0.1
005	10/26/2022 9:52	0.1	0.1	0.1	0.1
006	10/26/2022 10:07	0.1	0.1	0.1	0.1
007	10/26/2022 10:22	0.1	0.1	0.1	0.1
008	10/26/2022 10:37	0.1	0.1	0.1	0.1
009	10/26/2022 10:52	0.1	0.1	0.1	0.1
010	10/26/2022 11:07	0	0	0.1	0
011	10/26/2022 11:22	0	0	0	0
012	10/26/2022 11:37	0	0	0	0
013	10/26/2022 11:52	0	0	0	0
014	10/26/2022 12:07	0	0	0	0
015	10/26/2022 12:22	0	0	0	0
016	10/26/2022 12:37	0	0	0	0
017	10/26/2022 12:52	0	0	0.1	0
Peak		0.1	0.1	2	0.1
Min		0	0	0	0
Average		0	0.1	0.2	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/26/2022 8:52	0	0
002	10/26/2022 9:07	0	0.1
003	10/26/2022 9:22	0	0.2
004	10/26/2022 9:37	0	0.2
005	10/26/2022 9:52	0	0.2
006	10/26/2022 10:07	0	0.2
007	10/26/2022 10:22	0	0.2
008	10/26/2022 10:37	0	0.2
009	10/26/2022 10:52	0	0.2
010	10/26/2022 11:07	0	0.1
011	10/26/2022 11:22	0	0
012	10/26/2022 11:37	0	0
013	10/26/2022 11:52	0	0
014	10/26/2022 12:07	0	0
015	10/26/2022 12:22	0	0
016	10/26/2022 12:37	0	0
017	10/26/2022 12:52	0	0

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22/10/26 14:55

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	DSC00003
User ID	MAB00003

Begin	10/26/2022 14:55
End	10/26/2022 14:56
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/26/2022 8:35

Datalog

0 record.

=====

22/10/26 15:43

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	DSC00003
User ID	MAB00003

Begin	10/26/2022 15:43
End	10/26/2022 17:14
Sample Period(s)	900
Number of Records	6

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/26/2022 8:35
Peak	0
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/26/2022 15:58	0	0	0	0.1
002	10/26/2022 16:13	0	0	0	0.6
003	10/26/2022 16:28	0	0	0	0.2
004	10/26/2022 16:43	0	0	0	0
005	10/26/2022 16:58	0	0	0	0
006	10/26/2022 17:13	0	0	0	0
Peak		0	0	0	0.6
Min		0	0	0	0
Average		0	0	0	0.2

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/26/2022 15:58	0	0
002	10/26/2022 16:13	0	0
003	10/26/2022 16:28	0	0
004	10/26/2022 16:43	0	0
005	10/26/2022 16:58	0	0
006	10/26/2022 17:13	0	0

22/10/27 08:43

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918193
Unit Firmware Ver V2.14

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID DSC00003
User ID MAB00003

Begin 10/27/2022 8:43
End 10/27/2022 8:55
Sample Period(s) 900
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030252UA
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/26/2022 8:35

Datalog

0 record.

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22/10/27 09:01

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918193
Unit Firmware Ver V2.14

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID DSC00003
User ID MAB00003

Begin 10/27/2022 9:01
End 10/27/2022 12:26
Sample Period(s) 900
Number of Records 13

Sensor PID(ppm)
Sensor SN S023030252UA
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/27/2022 9:01
Peak 0.1
Min 0
Average 0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/27/2022 9:16	0	0	0.1	0
002	10/27/2022 9:31	0	0	0.1	0
003	10/27/2022 9:46	0	0	0	0
004	10/27/2022 10:01	0	0	0	0
005	10/27/2022 10:16	0	0	0	0
006	10/27/2022 10:31	0	0	0.1	0
007	10/27/2022 10:46	0	0	0.1	0.1
008	10/27/2022 11:01	0	0	0.1	0
009	10/27/2022 11:16	0	0	0.1	0
010	10/27/2022 11:31	0	0	0	0
011	10/27/2022 11:46	0	0	0	0
012	10/27/2022 12:01	0	0	0	0
013	10/27/2022 12:16	0	0	0.1	0
Peak		0	0	0.1	0.1
Min		0	0	0	0
Average		0	0	0.1	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/27/2022 9:16	0	0
002	10/27/2022 9:31	0	0
003	10/27/2022 9:46	0	0
004	10/27/2022 10:01	0	0
005	10/27/2022 10:16	0	0
006	10/27/2022 10:31	0	0
007	10/27/2022 10:46	0	0.1
008	10/27/2022 11:01	0	0.1
009	10/27/2022 11:16	0	0
010	10/27/2022 11:31	0	0
011	10/27/2022 11:46	0	0
012	10/27/2022 12:01	0	0
013	10/27/2022 12:16	0	0

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22/10/27 13:14

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	DSC00003
User ID	MAB00003

Begin	10/27/2022 13:14
End	10/27/2022 17:48
Sample Period(s)	900
Number of Records	18

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/27/2022 9:01
Peak	0.1
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/27/2022 13:29	0	0	0	0

002	10/27/2022 13:44	0	0	0.1	0
003	10/27/2022 13:59	0	0	0	0
004	10/27/2022 14:14	0	0	0.1	0
005	10/27/2022 14:29	0	0	0	0
006	10/27/2022 14:44	0	0	0	0
007	10/27/2022 14:59	0	0	0	0
008	10/27/2022 15:14	0	0	0.1	0
009	10/27/2022 15:29	0	0	0.2	0
010	10/27/2022 15:44	0	0	0.1	0
011	10/27/2022 15:59	0	0	0.1	0
012	10/27/2022 16:14	0	0	0.2	0
013	10/27/2022 16:29	0	0	0.2	0
014	10/27/2022 16:44	0	0	0.1	0
015	10/27/2022 16:59	0	0	0.1	0
016	10/27/2022 17:14	0	0	0.1	0
017	10/27/2022 17:29	0	0	0.2	0.1
018	10/27/2022 17:44	0	0	0.2	0
Peak		0	0	0.2	0.1
Min		0	0	0	0
Average		0	0	0.1	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/27/2022 13:29	0	0
002	10/27/2022 13:44	0	0
003	10/27/2022 13:59	0	0
004	10/27/2022 14:14	0	0
005	10/27/2022 14:29	0	0
006	10/27/2022 14:44	0	0
007	10/27/2022 14:59	0	0
008	10/27/2022 15:14	0	0
009	10/27/2022 15:29	0	0
010	10/27/2022 15:44	0	0
011	10/27/2022 15:59	0	0
012	10/27/2022 16:14	0	0
013	10/27/2022 16:29	0	0
014	10/27/2022 16:44	0	0
015	10/27/2022 16:59	0	0
016	10/27/2022 17:14	0	0
017	10/27/2022 17:29	0	0.1
018	10/27/2022 17:44	0	0.1

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22/10/28 08:22

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	DSC00003
User ID	MAB00003

Begin	10/28/2022 8:22
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End	10/28/2022 8:23
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/27/2022 9:01

Datalog

0 record.

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22/10/28 08:25

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-918193
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	DSC00003
User ID	MAB00003

Begin	10/28/2022 8:25
End	10/28/2022 8:26
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030252UA
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/28/2022 8:24

Datalog

0 record.

22/10/28 08:39

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918193
Unit Firmware Ver V2.14

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID DSC00003
User ID MAB00003

Begin 10/28/2022 8:39
End 10/28/2022 9:53
Sample Period(s) 900
Number of Records 4

Sensor PID(ppm)
Sensor SN S023030252UA
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/28/2022 8:24
Peak 0.1
Min 0
Average 0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/28/2022 8:54	0	0	0.1	0
002	10/28/2022 9:09	0	0.1	0.1	0.1
003	10/28/2022 9:24	0.1	0.1	0.1	0.1
004	10/28/2022 9:39	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.1	0.1
Min		0	0	0.1	0
Average		0.1	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/28/2022 8:54	0	0
002	10/28/2022 9:09	0	0.1
003	10/28/2022 9:24	0	0.2
004	10/28/2022 9:39	0	0.2

22/10/31 11:42

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918193
Unit Firmware Ver V2.14

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID DSC00003
User ID MAB00003

Begin 10/31/2022 11:42
End 10/31/2022 14:23
Sample Period(s) 900
Number of Records 10

Sensor PID(ppm)
Sensor SN S023030252UA
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/28/2022 8:24
Peak 0.2
Min 0
Average 0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/31/2022 11:57	0	0	0	0
002	10/31/2022 12:12	0	0	0.2	0
003	10/31/2022 12:27	0	0.1	0.5	0.2
004	10/31/2022 12:42	0	0.1	0.6	0.1
005	10/31/2022 12:57	0	0	0.3	0
006	10/31/2022 13:12	0	0	0	0
007	10/31/2022 13:27	0	0	0.3	0
008	10/31/2022 13:42	0	0	0	0
009	10/31/2022 13:57	0	0	0	0
010	10/31/2022 14:12	0	0	0	0
Peak		0	0.1	0.6	0.2
Min		0	0	0	0
Average		0	0	0.2	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/31/2022 11:57	0	0
002	10/31/2022 12:12	0	0
003	10/31/2022 12:27	0	0.2

004	10/31/2022 12:42	0	0.3
005	10/31/2022 12:57	0	0.1
006	10/31/2022 13:12	0	0
007	10/31/2022 13:27	0	0
008	10/31/2022 13:42	0	0
009	10/31/2022 13:57	0	0
010	10/31/2022 14:12	0	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_001
Test Start Time	1:43:26 PM
Test Start Date	10/4/2022
Test Length [D:H:M]	0:01:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.006
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	6

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.005		
1800	0.003		
2700	0.004		
3600	0.005		
4500	0.006		
5400	0.005		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_002
Test Start Time	8:25:42 AM
Test Start Date	10/5/2022
Test Length [D:H:M]	0:00:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.008
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	2

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.008		
1800	0.004		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_003
Test Start Time	11:51:25 AM
Test Start Date	10/5/2022
Test Length [D:H:M]	0:04:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.001
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	16

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0		
1800	0.001		
2700	0		
3600	0		
4500	0		
5400	0		
6300	0		
7200	0		
8100	0		
9000	0.001		
9900	0		
10800	0		
11700	0		
12600	0.001		
13500	0.001		
14400	0.001		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_004
Test Start Time	8:05:04 AM
Test Start Date	10/6/2022
Test Length [D:H:M]	0:03:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.013
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.043
Mass TWA [mg/m3]	0.005
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.043		
1800	0.036		
2700	0.02		
3600	0.011		
4500	0.008		
5400	0.009		
6300	0.009		
7200	0.008		
8100	0.007		
9000	0.007		
9900	0.006		
10800	0.005		
11700	0.005		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_005
Test Start Time	9:33:34 AM
Test Start Date	10/12/2022
Test Length [D:H:M]	0:00:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.019
Mass Minimum [mg/m3]	0.018
Mass Maximum [mg/m3]	0.02
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	2

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.02		
1800	0.018		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_006
Test Start Time	11:11:04 AM
Test Start Date	10/12/2022
Test Length [D:H:M]	0:00:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.007
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.007		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_007
Test Start Time	11:55:06 AM
Test Start Date	10/12/2022
Test Length [D:H:M]	0:00:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.007
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.007		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_008
Test Start Time	9:29:51 AM
Test Start Date	10/19/2022
Test Length [D:H:M]	0:02:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.003
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.003
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	10

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.002		
1800	0.002		
2700	0.002		
3600	0.002		
4500	0.003		
5400	0.003		
6300	0.003		
7200	0.003		
8100	0.003		
9000	0.003		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_009
Test Start Time	1:46:21 PM
Test Start Date	10/20/2022
Test Length [D:H:M]	0:01:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.007
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	7

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.007		
1800	0.006		
2700	0.006		
3600	0.007		
4500	0.006		
5400	0.006		
6300	0.006		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_010
Test Start Time	11:57:28 AM
Test Start Date	10/24/2022
Test Length [D:H:M]	0:00:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.018
Mass Minimum [mg/m3]	0.018
Mass Maximum [mg/m3]	0.018
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	Flow Error
Number of Samples	1

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.018		Flow Error

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_011
Test Start Time	9:21:07 AM
Test Start Date	10/25/2022
Test Length [D:H:M]	0:23:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.019
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	10

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.003		
1800	0.001		
2700	0.003		
3600	0.004		
4500	0.004		
5400	0.004		
6300	0.004		
7200	0.003		
82737	0		
82800	0.019		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_012
Test Start Time	9:39:41 AM
Test Start Date	10/26/2022
Test Length [D:H:M]	0:03:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.008
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.009
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.008		
1800	0.008		
2700	0.006		
3600	0.007		
4500	0.007		
5400	0.008		
6300	0.008		
7200	0.008		
8100	0.009		
9000	0.009		
9900	0.009		
10800	0.008		
11700	0.008		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_013
Test Start Time	3:37:42 PM
Test Start Date	10/26/2022
Test Length [D:H:M]	0:01:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.021
Mass Minimum [mg/m3]	0.014
Mass Maximum [mg/m3]	0.04
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	5

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.04		
1800	0.017		
2700	0.022		
3600	0.014		
4500	0.014		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_014
Test Start Time	11:05:15 AM
Test Start Date	10/27/2022
Test Length [D:H:M]	0:06:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.006
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	23

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.004		
1800	0.005		
2700	0.002		
3600	0.002		
7233	0		
8100	0.003		
9000	0.004		
9900	0.003		
10800	0.003		
11700	0.004		
12600	0.004		
13500	0.004		
14400	0.004		
15300	0.004		
16200	0.004		
17100	0.004		
18000	0.004		
18900	0.004		
19800	0.005		
20700	0.005		
21600	0.006		
22500	0.006		
23400	0.006		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141504
Firmware Version	3.1
Calibration Date	2/22/2022
Test Name	MANUAL_015
Test Start Time	8:33:36 AM
Test Start Date	10/28/2022
Test Length [D:H:M]	0:01:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.01
Mass Minimum [mg/m3]	0.01
Mass Maximum [mg/m3]	0.011
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	4

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.011		
1800	0.01		
2700	0.01		
3600	0.01		

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22/10/04 13:42

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	00000001
User ID	00000001

Begin	10/4/2022 13:42
End	10/4/2022 13:45
Sample Period(s)	60
Number of Records	3

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	9/27/2022 7:28
Peak	0
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/4/2022 13:43	0	0	0	0
002	10/4/2022 13:44	0	0	0	0
003	10/4/2022 13:45	0	0	0	0
Peak		0	0	0	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/4/2022 13:43	0 ---	
002	10/4/2022 13:44	0 ---	
003	10/4/2022 13:45	0 ---	

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22/10/04 13:47

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/4/2022 13:47
End	10/4/2022 15:29
Sample Period(s)	60
Number of Records	102

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/4/2022 13:47
Peak	0.4
Min	0
Average	0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/4/2022 13:48	0	0.5	12.6	0
002	10/4/2022 13:49	0	0	0.1	0

003	10/4/2022 13:50	0	0.1	0.2	0.2
004	10/4/2022 13:51	0	0.1	0.2	0
005	10/4/2022 13:52	0	0	0.1	0
006	10/4/2022 13:53	0	0	0	0
007	10/4/2022 13:54	0	0	0	0
008	10/4/2022 13:55	0	0	0.1	0
009	10/4/2022 13:56	0	0	0	0
010	10/4/2022 13:57	0	0	0	0
011	10/4/2022 13:58	0	0	0	0
012	10/4/2022 13:59	0	0	0	0
013	10/4/2022 14:00	0	0	0.1	0
014	10/4/2022 14:01	0	0	0	0
015	10/4/2022 14:02	0	0	0	0
016	10/4/2022 14:03	0	0	0	0
017	10/4/2022 14:04	0	0	0	0
018	10/4/2022 14:05	0	0	0	0
019	10/4/2022 14:06	0	0	0	0
020	10/4/2022 14:07	0	0	0	0
021	10/4/2022 14:08	0	0	0	0
022	10/4/2022 14:09	0	0	0	0
023	10/4/2022 14:10	0	0	0	0
024	10/4/2022 14:11	0	0	0	0
025	10/4/2022 14:12	0	0	0	0
026	10/4/2022 14:13	0	0	0	0
027	10/4/2022 14:14	0	0	0	0
028	10/4/2022 14:15	0	0	0	0
029	10/4/2022 14:16	0	0.1	0.2	0.1
030	10/4/2022 14:17	0	0.1	0.2	0
031	10/4/2022 14:18	0	0	0.1	0
032	10/4/2022 14:19	0	0.1	0.2	0
033	10/4/2022 14:20	0	0.1	0.3	0.1
034	10/4/2022 14:21	0	0	0.2	0
035	10/4/2022 14:22	0	0	0	0
036	10/4/2022 14:23	0	0	0	0
037	10/4/2022 14:24	0	0	0	0
038	10/4/2022 14:25	0	0	0	0
039	10/4/2022 14:26	0	0	0	0
040	10/4/2022 14:27	0	0	0	0
041	10/4/2022 14:28	0	0	0	0
042	10/4/2022 14:29	0	0	0	0
043	10/4/2022 14:30	0	0	0	0
044	10/4/2022 14:31	0	0	0	0
045	10/4/2022 14:32	0	0	0	0
046	10/4/2022 14:33	0	0	0	0
047	10/4/2022 14:34	0	0	0	0
048	10/4/2022 14:35	0	0	0	0
049	10/4/2022 14:36	0	0	0	0
050	10/4/2022 14:37	0	0	0	0
051	10/4/2022 14:38	0	0	0	0
052	10/4/2022 14:39	0	0.1	0.3	0.3
053	10/4/2022 14:40	0.1	0.1	0.2	0.2
054	10/4/2022 14:41	0.1	0.1	0.2	0.1
055	10/4/2022 14:42	0	0.2	0.3	0
056	10/4/2022 14:43	0	0.1	0.2	0.2
057	10/4/2022 14:44	0.1	0.2	0.4	0.4
058	10/4/2022 14:45	0	0.1	0.5	0.1
059	10/4/2022 14:46	0.1	0.1	0.2	0.1
060	10/4/2022 14:47	0.1	0.2	0.3	0.1
061	10/4/2022 14:48	0.1	0.1	0.2	0.1
062	10/4/2022 14:49	0	0.1	0.3	0
063	10/4/2022 14:50	0	0.1	0.2	0.2
064	10/4/2022 14:51	0.1	0.1	0.2	0.1
065	10/4/2022 14:52	0	0	0.1	0.1
066	10/4/2022 14:53	0	0.1	0.1	0
067	10/4/2022 14:54	0	0.1	0.1	0.1
068	10/4/2022 14:55	0	0.1	0.1	0
069	10/4/2022 14:56	0	0.1	0.1	0.1
070	10/4/2022 14:57	0	0.1	0.2	0.1
071	10/4/2022 14:58	0	0.1	0.1	0.1
072	10/4/2022 14:59	0	0.1	0.2	0.1
073	10/4/2022 15:00	0	0.1	0.1	0.1
074	10/4/2022 15:01	0	0.1	0.1	0.1
075	10/4/2022 15:02	0	0.1	0.1	0
076	10/4/2022 15:03	0	0.1	0.1	0
077	10/4/2022 15:04	0	0.1	0.1	0.1
078	10/4/2022 15:05	0	0.1	0.1	0.1
079	10/4/2022 15:06	0	0.1	0.1	0.1
080	10/4/2022 15:07	0.1	0.1	0.1	0.1
081	10/4/2022 15:08	0.1	0.1	0.1	0.1
082	10/4/2022 15:09	0.1	0.1	0.1	0.1
083	10/4/2022 15:10	0.1	0.1	0.1	0.1
084	10/4/2022 15:11	0.1	0.1	0.1	0.1
085	10/4/2022 15:12	0.1	0.1	0.1	0.1
086	10/4/2022 15:13	0.1	0.1	0.1	0.1
087	10/4/2022 15:14	0.1	0.1	0.1	0.1
088	10/4/2022 15:15	0.1	0.1	0.1	0.1
089	10/4/2022 15:16	0.1	0.1	0.1	0.1
090	10/4/2022 15:17	0.1	0.1	0.3	0.1
091	10/4/2022 15:18	0.1	0.1	0.2	0.1
092	10/4/2022 15:19	0.1	0.1	0.1	0.1
093	10/4/2022 15:20	0.1	0.1	0.1	0.1
094	10/4/2022 15:21	0.1	0.1	0.2	0.1
095	10/4/2022 15:22	0.1	0.1	0.1	0.1
096	10/4/2022 15:23	0.1	0.1	0.1	0.1
097	10/4/2022 15:24	0.1	0.1	0.2	0.1
098	10/4/2022 15:25	0.1	0.1	0.1	0.1
099	10/4/2022 15:26	0.1	0.1	0.1	0.1
	100	10/4/2022 15:27	0.1	0.1	0.1
	101	10/4/2022 15:28	0.1	0.1	0.1
	102	10/4/2022 15:29	0.1	0.1	0.1

Peak	0.1	0.5	12.6	0.4
Min	0	0	0	0
Average	0	0.1	0.2	0.1

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/4/2022 13:48	0 ---	
002	10/4/2022 13:49	0 ---	
003	10/4/2022 13:50	0 ---	
004	10/4/2022 13:51	0 ---	
005	10/4/2022 13:52	0 ---	
006	10/4/2022 13:53	0 ---	
007	10/4/2022 13:54	0 ---	
008	10/4/2022 13:55	0 ---	
009	10/4/2022 13:56	0 ---	
010	10/4/2022 13:57	0 ---	
011	10/4/2022 13:58	0 ---	
012	10/4/2022 13:59	0 ---	
013	10/4/2022 14:00	0 ---	
014	10/4/2022 14:01	0 ---	
015	10/4/2022 14:02	0	0
016	10/4/2022 14:03	0	0
017	10/4/2022 14:04	0	0
018	10/4/2022 14:05	0	0
019	10/4/2022 14:06	0	0
020	10/4/2022 14:07	0	0
021	10/4/2022 14:08	0	0
022	10/4/2022 14:09	0	0
023	10/4/2022 14:10	0	0
024	10/4/2022 14:11	0	0
025	10/4/2022 14:12	0	0
026	10/4/2022 14:13	0	0
027	10/4/2022 14:14	0	0
028	10/4/2022 14:15	0	0
029	10/4/2022 14:16	0	0
030	10/4/2022 14:17	0	0
031	10/4/2022 14:18	0	0
032	10/4/2022 14:19	0	0
033	10/4/2022 14:20	0	0
034	10/4/2022 14:21	0	0
035	10/4/2022 14:22	0	0
036	10/4/2022 14:23	0	0
037	10/4/2022 14:24	0	0
038	10/4/2022 14:25	0	0
039	10/4/2022 14:26	0	0
040	10/4/2022 14:27	0	0
041	10/4/2022 14:28	0	0
042	10/4/2022 14:29	0	0
043	10/4/2022 14:30	0	0
044	10/4/2022 14:31	0	0
045	10/4/2022 14:32	0	0
046	10/4/2022 14:33	0	0
047	10/4/2022 14:34	0	0
048	10/4/2022 14:35	0	0
049	10/4/2022 14:36	0	0
050	10/4/2022 14:37	0	0
051	10/4/2022 14:38	0	0
052	10/4/2022 14:39	0	0
053	10/4/2022 14:40	0	0
054	10/4/2022 14:41	0	0
055	10/4/2022 14:42	0	0
056	10/4/2022 14:43	0	0.1
057	10/4/2022 14:44	0	0.1
058	10/4/2022 14:45	0	0.1
059	10/4/2022 14:46	0	0.1
060	10/4/2022 14:47	0	0.1
061	10/4/2022 14:48	0	0.1
062	10/4/2022 14:49	0	0.1
063	10/4/2022 14:50	0	0.1
064	10/4/2022 14:51	0	0.1
065	10/4/2022 14:52	0	0.1
066	10/4/2022 14:53	0	0.1
067	10/4/2022 14:54	0	0.1
068	10/4/2022 14:55	0	0.1
069	10/4/2022 14:56	0	0.1
070	10/4/2022 14:57	0	0.1
071	10/4/2022 14:58	0	0.1
072	10/4/2022 14:59	0	0.1
073	10/4/2022 15:00	0	0.1
074	10/4/2022 15:01	0	0.1
075	10/4/2022 15:02	0	0.1
076	10/4/2022 15:03	0	0.1
077	10/4/2022 15:04	0	0.1
078	10/4/2022 15:05	0	0.1
079	10/4/2022 15:06	0	0.1
080	10/4/2022 15:07	0	0.1
081	10/4/2022 15:08	0	0.1
082	10/4/2022 15:09	0	0.1
083	10/4/2022 15:10	0	0.1
084	10/4/2022 15:11	0	0.1
085	10/4/2022 15:12	0	0.1
086	10/4/2022 15:13	0	0.1
087	10/4/2022 15:14	0	0.1
088	10/4/2022 15:15	0	0.1
089	10/4/2022 15:16	0	0.1
090	10/4/2022 15:17	0	0.1
091	10/4/2022 15:18	0	0.1
092	10/4/2022 15:19	0	0.1

093		10/4/2022 15:20	0	0.1
094		10/4/2022 15:21	0	0.1
095		10/4/2022 15:22	0	0.1
096		10/4/2022 15:23	0	0.1
097		10/4/2022 15:24	0	0.1
098		10/4/2022 15:25	0	0.1
099		10/4/2022 15:26	0	0.1
	100	10/4/2022 15:27	0	0.1
	101	10/4/2022 15:28	0	0.1
	102	10/4/2022 15:29	0	0.1

22/10/05 08:06

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	00000001
User ID	00000001

Begin	10/5/2022 8:06
End	10/5/2022 8:07
Sample Period(s)	60
Number of Records	1

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/4/2022 13:47
Peak	0
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/5/2022 8:07	0	0	0	0
Peak		0	0	0	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/5/2022 8:07	0	---

22/10/05 08:10

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/5/2022 8:10
End	10/5/2022 9:12
Sample Period(s)	60
Number of Records	62

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/5/2022 8:09
Peak	0.2
Min	0
Average	0.1

Datalog

Index	Date/Time	PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
		(Min)	(Avg)	(Max)	(Real)
001	10/5/2022 8:11	0	0	0.2	0
002	10/5/2022 8:12	0	0	0	0
003	10/5/2022 8:13	0	0	0	0
004	10/5/2022 8:14	0	0	0	0
005	10/5/2022 8:15	0	0	0	0
006	10/5/2022 8:16	0	0	0	0
007	10/5/2022 8:17	0	0	0	0
008	10/5/2022 8:18	0	0	0	0
009	10/5/2022 8:19	0	0	0	0
010	10/5/2022 8:20	0	0	0	0
011	10/5/2022 8:21	0	0	0	0
012	10/5/2022 8:22	0	0	0	0
013	10/5/2022 8:23	0	0	0	0
014	10/5/2022 8:24	0	0	0	0
015	10/5/2022 8:25	0	0	0	0
016	10/5/2022 8:26	0	0	0	0
017	10/5/2022 8:27	0	0	0	0
018	10/5/2022 8:28	0	0	0	0
019	10/5/2022 8:29	0	0	0.1	0.1
020	10/5/2022 8:30	0	0.1	0.1	0.1
021	10/5/2022 8:31	0	0.1	0.1	0.1
022	10/5/2022 8:32	0.1	0.1	0.1	0.1
023	10/5/2022 8:33	0.1	0.1	0.1	0.1
024	10/5/2022 8:34	0.1	0.1	0.1	0.1
025	10/5/2022 8:35	0.1	0.1	0.1	0.1
026	10/5/2022 8:36	0.1	0.1	0.1	0.1
027	10/5/2022 8:37	0.1	0.1	0.1	0.1
028	10/5/2022 8:38	0.1	0.1	0.1	0.1
029	10/5/2022 8:39	0.1	0.1	0.1	0.1
030	10/5/2022 8:40	0.1	0.1	0.2	0.1
031	10/5/2022 8:41	0.1	0.1	0.2	0.1
032	10/5/2022 8:42	0.1	0.1	0.1	0.1
033	10/5/2022 8:43	0.1	0.1	0.1	0.1
034	10/5/2022 8:44	0.1	0.1	0.1	0.1
035	10/5/2022 8:45	0.1	0.1	0.1	0.1
036	10/5/2022 8:46	0.1	0.1	0.1	0.1
037	10/5/2022 8:47	0.1	0.1	0.1	0.1
038	10/5/2022 8:48	0.1	0.1	0.2	0.1
039	10/5/2022 8:49	0.1	0.1	0.2	0.1
040	10/5/2022 8:50	0.1	0.1	0.2	0.2
041	10/5/2022 8:51	0.1	0.1	0.2	0.1
042	10/5/2022 8:52	0.1	0.1	0.1	0.1
043	10/5/2022 8:53	0.1	0.1	0.2	0.1
044	10/5/2022 8:54	0.1	0.1	0.1	0.1
045	10/5/2022 8:55	0.1	0.1	0.2	0.1
046	10/5/2022 8:56	0.1	0.1	0.1	0.1
047	10/5/2022 8:57	0.1	0.1	0.1	0.1
048	10/5/2022 8:58	0.1	0.1	0.1	0.1
049	10/5/2022 8:59	0.1	0.1	0.1	0.1
050	10/5/2022 9:00	0.1	0.1	0.1	0.1
051	10/5/2022 9:01	0.1	0.1	0.1	0.1
052	10/5/2022 9:02	0.1	0.1	0.1	0.1
053	10/5/2022 9:03	0.1	0.1	0.1	0.1
054	10/5/2022 9:04	0.1	0.1	0.1	0.1
055	10/5/2022 9:05	0.1	0.1	0.1	0.1
056	10/5/2022 9:06	0.1	0.1	0.1	0.1
057	10/5/2022 9:07	0.1	0.1	0.1	0.1
058	10/5/2022 9:08	0.1	0.1	0.1	0.1
059	10/5/2022 9:09	0.1	0.1	0.1	0.1
060	10/5/2022 9:10	0.1	0.1	0.1	0.1
061	10/5/2022 9:11	0.1	0.1	0.1	0.1
062	10/5/2022 9:12	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.2	0.2
Min		0	0	0	0
Average		0.1	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/5/2022 8:11	0	---
002	10/5/2022 8:12	0	---
003	10/5/2022 8:13	0	---
004	10/5/2022 8:14	0	---
005	10/5/2022 8:15	0	---
006	10/5/2022 8:16	0	---
007	10/5/2022 8:17	0	---
008	10/5/2022 8:18	0	---
009	10/5/2022 8:19	0	---
010	10/5/2022 8:20	0	---
011	10/5/2022 8:21	0	---
012	10/5/2022 8:22	0	---
013	10/5/2022 8:23	0	---
014	10/5/2022 8:24	0	---
015	10/5/2022 8:25	0	0
016	10/5/2022 8:26	0	0
017	10/5/2022 8:27	0	0
018	10/5/2022 8:28	0	0
019	10/5/2022 8:29	0	0
020	10/5/2022 8:30	0	0
021	10/5/2022 8:31	0	0
022	10/5/2022 8:32	0	0
023	10/5/2022 8:33	0	0
024	10/5/2022 8:34	0	0
025	10/5/2022 8:35	0	0
026	10/5/2022 8:36	0	0.1

027	10/5/2022 8:37	0	0.1
028	10/5/2022 8:38	0	0.1
029	10/5/2022 8:39	0	0.1
030	10/5/2022 8:40	0	0.1
031	10/5/2022 8:41	0	0.1
032	10/5/2022 8:42	0	0.1
033	10/5/2022 8:43	0	0.1
034	10/5/2022 8:44	0	0.1
035	10/5/2022 8:45	0	0.1
036	10/5/2022 8:46	0	0.1
037	10/5/2022 8:47	0	0.1
038	10/5/2022 8:48	0	0.1
039	10/5/2022 8:49	0	0.1
040	10/5/2022 8:50	0	0.1
041	10/5/2022 8:51	0	0.1
042	10/5/2022 8:52	0	0.1
043	10/5/2022 8:53	0	0.1
044	10/5/2022 8:54	0	0.1
045	10/5/2022 8:55	0	0.1
046	10/5/2022 8:56	0	0.1
047	10/5/2022 8:57	0	0.1
048	10/5/2022 8:58	0	0.1
049	10/5/2022 8:59	0	0.1
050	10/5/2022 9:00	0	0.1
051	10/5/2022 9:01	0	0.1
052	10/5/2022 9:02	0	0.1
053	10/5/2022 9:03	0	0.1
054	10/5/2022 9:04	0	0.1
055	10/5/2022 9:05	0	0.1
056	10/5/2022 9:06	0	0.1
057	10/5/2022 9:07	0	0.1
058	10/5/2022 9:08	0	0.1
059	10/5/2022 9:09	0	0.1
060	10/5/2022 9:10	0	0.1
061	10/5/2022 9:11	0	0.1
062	10/5/2022 9:12	0	0.1

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22/10/05 11:56

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/5/2022 11:56
End	10/5/2022 12:15
Sample Period(s)	60
Number of Records	18

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/5/2022 8:09
Peak	0.2
Min	0
Average	0.1

Datalog

Index	Date/Time	PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
		(Min)	(Avg)	(Max)	(Real)
001	10/5/2022 11:57	0	0	0.1	0
002	10/5/2022 11:58	0	0.1	0.1	0.1
003	10/5/2022 11:59	0	0.1	0.1	0
004	10/5/2022 12:00	0	0.1	0.1	0.1
005	10/5/2022 12:01	0	0.1	0.1	0.1
006	10/5/2022 12:02	0	0.1	0.2	0.1
007	10/5/2022 12:03	0	0.1	0.2	0.1
008	10/5/2022 12:04	0	0.1	0.2	0.1
009	10/5/2022 12:05	0	0.1	0.1	0.1
010	10/5/2022 12:06	0	0.1	0.3	0
011	10/5/2022 12:07	0	0.1	0.2	0.1
012	10/5/2022 12:08	0	0.1	0.2	0.2
013	10/5/2022 12:09	0	0.1	0.1	0.1
014	10/5/2022 12:10	0	0	0.1	0
015	10/5/2022 12:11	0	0	0	0
016	10/5/2022 12:12	0	0	0	0
017	10/5/2022 12:13	0	0	0	0
018	10/5/2022 12:14	0	0	0	0
Peak		0	0.1	0.3	0.2
Min		0	0	0	0
Average		0	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm)	
		(TWA)	(STEL)
001	10/5/2022 11:57	0	---
002	10/5/2022 11:58	0	---
003	10/5/2022 11:59	0	---
004	10/5/2022 12:00	0	---
005	10/5/2022 12:01	0	---
006	10/5/2022 12:02	0	---
007	10/5/2022 12:03	0	---
008	10/5/2022 12:04	0	---
009	10/5/2022 12:05	0	---
010	10/5/2022 12:06	0	---
011	10/5/2022 12:07	0	---
012	10/5/2022 12:08	0	---
013	10/5/2022 12:09	0	---
014	10/5/2022 12:10	0	---
015	10/5/2022 12:11	0	0.1
016	10/5/2022 12:12	0	0.1
017	10/5/2022 12:13	0	0.1
018	10/5/2022 12:14	0	0.1

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22/10/05 13:10

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/5/2022 13:10
End	10/5/2022 16:05
Sample Period(s)	60
Number of Records	174

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/5/2022 8:09
Peak	0.2
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
		(Min)	(Avg)	(Max)	(Real)
001	10/5/2022 13:11	0	0	0	0
002	10/5/2022 13:12	0	0	0	0
003	10/5/2022 13:13	0	0	0.1	0
004	10/5/2022 13:14	0	0	0.2	0.2
005	10/5/2022 13:15	0	0	0.1	0.1
006	10/5/2022 13:16	0	0	0.2	0.1
007	10/5/2022 13:17	0	0	0.1	0
008	10/5/2022 13:18	0	0	0	0
009	10/5/2022 13:19	0	0	0.1	0
010	10/5/2022 13:20	0	0	0.1	0.1
011	10/5/2022 13:21	0	0	0.1	0
012	10/5/2022 13:22	0	0	0	0
013	10/5/2022 13:23	0	0	0	0
014	10/5/2022 13:24	0	0	0	0
015	10/5/2022 13:25	0	0	0	0
016	10/5/2022 13:26	0	0	0	0
017	10/5/2022 13:27	0	0	0	0
018	10/5/2022 13:28	0	0	0	0
019	10/5/2022 13:29	0	0.1	0.1	0
020	10/5/2022 13:30	0	0.1	0.2	0
021	10/5/2022 13:31	0	0	0.1	0.1
022	10/5/2022 13:32	0	0	0.1	0
023	10/5/2022 13:33	0	0.1	0.2	0.2
024	10/5/2022 13:34	0	0	0.2	0
025	10/5/2022 13:35	0	0	0	0
026	10/5/2022 13:36	0	0	0	0
027	10/5/2022 13:37	0	0	0	0
028	10/5/2022 13:38	0	0	0	0
029	10/5/2022 13:39	0	0	0	0
030	10/5/2022 13:40	0	0	0	0
031	10/5/2022 13:41	0	0	0	0
032	10/5/2022 13:42	0	0	0	0
033	10/5/2022 13:43	0	0	0	0
034	10/5/2022 13:44	0	0	0	0
035	10/5/2022 13:45	0	0	0.1	0.1
036	10/5/2022 13:46	0	0	0.1	0

037		10/5/2022 13:47	0	0	0	0
038		10/5/2022 13:48	0	0	0	0
039		10/5/2022 13:49	0	0	0	0
040		10/5/2022 13:50	0	0	0	0
041		10/5/2022 13:51	0	0	0	0
042		10/5/2022 13:52	0	0	0	0
043		10/5/2022 13:53	0	0	0	0
044		10/5/2022 13:54	0	0	0	0
045		10/5/2022 13:55	0	0	0	0
046		10/5/2022 13:56	0	0	0	0
047		10/5/2022 13:57	0	0	0	0
048		10/5/2022 13:58	0	0	0	0
049		10/5/2022 13:59	0	0	0	0
050		10/5/2022 14:00	0	0	0.1	0
051		10/5/2022 14:01	0	0	0.2	0.1
052		10/5/2022 14:02	0	0.1	0.2	0.1
053		10/5/2022 14:03	0	0.1	0.2	0.1
054		10/5/2022 14:04	0	0	0.1	0
055		10/5/2022 14:05	0	0	0.1	0.1
056		10/5/2022 14:06	0	0	0	0
057		10/5/2022 14:07	0	0	0	0
058		10/5/2022 14:08	0	0.1	0.1	0
059		10/5/2022 14:09	0	0	0	0
060		10/5/2022 14:10	0	0	0	0
061		10/5/2022 14:11	0	0	0	0
062		10/5/2022 14:12	0	0	0	0
063		10/5/2022 14:13	0	0	0	0
064		10/5/2022 14:14	0	0	0.1	0
065		10/5/2022 14:15	0	0	0	0
066		10/5/2022 14:16	0	0	0	0
067		10/5/2022 14:17	0	0	0	0
068		10/5/2022 14:18	0	0	0	0
069		10/5/2022 14:19	0	0	0	0
070		10/5/2022 14:20	0	0	0	0
071		10/5/2022 14:21	0	0	0	0
072		10/5/2022 14:22	0	0	0	0
073		10/5/2022 14:23	0	0	0	0
074		10/5/2022 14:24	0	0	0	0
075		10/5/2022 14:25	0	0	0	0
076		10/5/2022 14:26	0	0	0.1	0.1
077		10/5/2022 14:27	0	0	0.1	0
078		10/5/2022 14:28	0	0	0.1	0
079		10/5/2022 14:29	0	0	0	0
080		10/5/2022 14:30	0	0	0	0
081		10/5/2022 14:31	0	0	0	0
082		10/5/2022 14:32	0	0	0	0
083		10/5/2022 14:33	0	0	0	0
084		10/5/2022 14:34	0	0	0	0
085		10/5/2022 14:35	0	0	0	0
086		10/5/2022 14:36	0	0	0	0
087		10/5/2022 14:37	0	0	0	0
088		10/5/2022 14:38	0	0	0	0
089		10/5/2022 14:39	0	0	0	0
090		10/5/2022 14:40	0	0	0	0
091		10/5/2022 14:41	0	0	0	0
092		10/5/2022 14:42	0	0	0	0
093		10/5/2022 14:43	0	0	0.1	0
094		10/5/2022 14:44	0	0	0.1	0
095		10/5/2022 14:45	0	0	0	0
096		10/5/2022 14:46	0	0	0	0
097		10/5/2022 14:47	0	0	0	0
098		10/5/2022 14:48	0	0	0	0
099		10/5/2022 14:49	0	0	0	0
	100	10/5/2022 14:50	0	0	0	0
	101	10/5/2022 14:51	0	0	0	0
	102	10/5/2022 14:52	0	0	0.1	0
	103	10/5/2022 14:53	0	0.1	0.1	0.1
	104	10/5/2022 14:54	0	0.1	0.2	0
	105	10/5/2022 14:55	0	0	0.1	0.1
	106	10/5/2022 14:56	0	0.1	0.2	0
	107	10/5/2022 14:57	0	0.1	0.1	0
	108	10/5/2022 14:58	0	0	0.1	0.1
	109	10/5/2022 14:59	0	0.1	0.2	0
	110	10/5/2022 15:00	0	0	0	0
	111	10/5/2022 15:01	0	0	0	0
	112	10/5/2022 15:02	0	0.1	0.2	0.1
	113	10/5/2022 15:03	0	0	0.1	0
	114	10/5/2022 15:04	0	0	0	0
	115	10/5/2022 15:05	0	0	0.1	0.1
	116	10/5/2022 15:06	0	0	0.1	0
	117	10/5/2022 15:07	0	0	0	0
	118	10/5/2022 15:08	0	0	0	0
	119	10/5/2022 15:09	0	0	0	0
	120	10/5/2022 15:10	0	0	0	0
	121	10/5/2022 15:11	0	0	0	0
	122	10/5/2022 15:12	0	0	0	0
	123	10/5/2022 15:13	0	0	0	0
	124	10/5/2022 15:14	0	0	0	0
	125	10/5/2022 15:15	0	0	0	0
	126	10/5/2022 15:16	0	0	0	0
	127	10/5/2022 15:17	0	0	0	0
	128	10/5/2022 15:18	0	0	0	0
	129	10/5/2022 15:19	0	0	0	0
	130	10/5/2022 15:20	0	0	0.1	0
	131	10/5/2022 15:21	0	0	0	0
	132	10/5/2022 15:22	0	0	0	0
	133	10/5/2022 15:23	0	0	0	0
	134	10/5/2022 15:24	0	0	0	0
	135	10/5/2022 15:25	0	0	0	0
	136	10/5/2022 15:26	0	0	0	0

	137	10/5/2022 15:27	0	0	0	0
	138	10/5/2022 15:28	0	0	0	0
	139	10/5/2022 15:29	0	0	0	0
	140	10/5/2022 15:30	0	0	0	0
	141	10/5/2022 15:31	0	0	0	0
	142	10/5/2022 15:32	0	0	0	0
	143	10/5/2022 15:33	0	0	0	0
	144	10/5/2022 15:34	0	0	0	0
	145	10/5/2022 15:35	0	0	0	0
	146	10/5/2022 15:36	0	0	0	0
	147	10/5/2022 15:37	0	0	0	0
	148	10/5/2022 15:38	0	0	0	0
	149	10/5/2022 15:39	0	0	0	0
	150	10/5/2022 15:40	0	0	0	0
	151	10/5/2022 15:41	0	0	0	0
	152	10/5/2022 15:42	0	0	0	0
	153	10/5/2022 15:43	0	0	0	0
	154	10/5/2022 15:44	0	0	0.1	0.1
	155	10/5/2022 15:45	0	0.1	0.1	0
	156	10/5/2022 15:46	0	0	0.1	0
	157	10/5/2022 15:47	0	0	0	0
	158	10/5/2022 15:48	0	0	0	0
	159	10/5/2022 15:49	0	0	0	0
	160	10/5/2022 15:50	0	0	0	0
	161	10/5/2022 15:51	0	0	0.1	0
	162	10/5/2022 15:52	0	0	0	0
	163	10/5/2022 15:53	0	0	0.1	0.1
	164	10/5/2022 15:54	0	0	0.1	0
	165	10/5/2022 15:55	0	0	0	0
	166	10/5/2022 15:56	0	0	0	0
	167	10/5/2022 15:57	0	0	0	0
	168	10/5/2022 15:58	0	0	0.1	0
	169	10/5/2022 15:59	0	0	0	0
	170	10/5/2022 16:00	0	0	0	0
	171	10/5/2022 16:01	0	0	0	0
	172	10/5/2022 16:02	0	0	0	0
	173	10/5/2022 16:03	0	0	0	0
	174	10/5/2022 16:04	0	0	0	0
Peak			0	0.1	0.2	0.2
Min			0	0	0	0
Average			0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/5/2022 13:11	0	---
002	10/5/2022 13:12	0	---
003	10/5/2022 13:13	0	---
004	10/5/2022 13:14	0	---
005	10/5/2022 13:15	0	---
006	10/5/2022 13:16	0	---
007	10/5/2022 13:17	0	---
008	10/5/2022 13:18	0	---
009	10/5/2022 13:19	0	---
010	10/5/2022 13:20	0	---
011	10/5/2022 13:21	0	---
012	10/5/2022 13:22	0	---
013	10/5/2022 13:23	0	---
014	10/5/2022 13:24	0	---
015	10/5/2022 13:25	0	0
016	10/5/2022 13:26	0	0
017	10/5/2022 13:27	0	0
018	10/5/2022 13:28	0	0
019	10/5/2022 13:29	0	0
020	10/5/2022 13:30	0	0
021	10/5/2022 13:31	0	0
022	10/5/2022 13:32	0	0
023	10/5/2022 13:33	0	0
024	10/5/2022 13:34	0	0
025	10/5/2022 13:35	0	0
026	10/5/2022 13:36	0	0
027	10/5/2022 13:37	0	0
028	10/5/2022 13:38	0	0
029	10/5/2022 13:39	0	0
030	10/5/2022 13:40	0	0
031	10/5/2022 13:41	0	0
032	10/5/2022 13:42	0	0
033	10/5/2022 13:43	0	0
034	10/5/2022 13:44	0	0
035	10/5/2022 13:45	0	0
036	10/5/2022 13:46	0	0
037	10/5/2022 13:47	0	0
038	10/5/2022 13:48	0	0
039	10/5/2022 13:49	0	0
040	10/5/2022 13:50	0	0
041	10/5/2022 13:51	0	0
042	10/5/2022 13:52	0	0
043	10/5/2022 13:53	0	0
044	10/5/2022 13:54	0	0
045	10/5/2022 13:55	0	0
046	10/5/2022 13:56	0	0
047	10/5/2022 13:57	0	0
048	10/5/2022 13:58	0	0
049	10/5/2022 13:59	0	0
050	10/5/2022 14:00	0	0
051	10/5/2022 14:01	0	0
052	10/5/2022 14:02	0	0
053	10/5/2022 14:03	0	0
054	10/5/2022 14:04	0	0

055		10/5/2022 14:05	0	0
056		10/5/2022 14:06	0	0
057		10/5/2022 14:07	0	0
058		10/5/2022 14:08	0	0
059		10/5/2022 14:09	0	0
060		10/5/2022 14:10	0	0
061		10/5/2022 14:11	0	0
062		10/5/2022 14:12	0	0
063		10/5/2022 14:13	0	0
064		10/5/2022 14:14	0	0
065		10/5/2022 14:15	0	0
066		10/5/2022 14:16	0	0
067		10/5/2022 14:17	0	0
068		10/5/2022 14:18	0	0
069		10/5/2022 14:19	0	0
070		10/5/2022 14:20	0	0
071		10/5/2022 14:21	0	0
072		10/5/2022 14:22	0	0
073		10/5/2022 14:23	0	0
074		10/5/2022 14:24	0	0
075		10/5/2022 14:25	0	0
076		10/5/2022 14:26	0	0
077		10/5/2022 14:27	0	0
078		10/5/2022 14:28	0	0
079		10/5/2022 14:29	0	0
080		10/5/2022 14:30	0	0
081		10/5/2022 14:31	0	0
082		10/5/2022 14:32	0	0
083		10/5/2022 14:33	0	0
084		10/5/2022 14:34	0	0
085		10/5/2022 14:35	0	0
086		10/5/2022 14:36	0	0
087		10/5/2022 14:37	0	0
088		10/5/2022 14:38	0	0
089		10/5/2022 14:39	0	0
090		10/5/2022 14:40	0	0
091		10/5/2022 14:41	0	0
092		10/5/2022 14:42	0	0
093		10/5/2022 14:43	0	0
094		10/5/2022 14:44	0	0
095		10/5/2022 14:45	0	0
096		10/5/2022 14:46	0	0
097		10/5/2022 14:47	0	0
098		10/5/2022 14:48	0	0
099		10/5/2022 14:49	0	0
	100	10/5/2022 14:50	0	0
	101	10/5/2022 14:51	0	0
	102	10/5/2022 14:52	0	0
	103	10/5/2022 14:53	0	0
	104	10/5/2022 14:54	0	0
	105	10/5/2022 14:55	0	0
	106	10/5/2022 14:56	0	0
	107	10/5/2022 14:57	0	0
	108	10/5/2022 14:58	0	0
	109	10/5/2022 14:59	0	0
	110	10/5/2022 15:00	0	0
	111	10/5/2022 15:01	0	0
	112	10/5/2022 15:02	0	0
	113	10/5/2022 15:03	0	0
	114	10/5/2022 15:04	0	0
	115	10/5/2022 15:05	0	0
	116	10/5/2022 15:06	0	0
	117	10/5/2022 15:07	0	0
	118	10/5/2022 15:08	0	0
	119	10/5/2022 15:09	0	0
	120	10/5/2022 15:10	0	0
	121	10/5/2022 15:11	0	0
	122	10/5/2022 15:12	0	0
	123	10/5/2022 15:13	0	0
	124	10/5/2022 15:14	0	0
	125	10/5/2022 15:15	0	0
	126	10/5/2022 15:16	0	0
	127	10/5/2022 15:17	0	0
	128	10/5/2022 15:18	0	0
	129	10/5/2022 15:19	0	0
	130	10/5/2022 15:20	0	0
	131	10/5/2022 15:21	0	0
	132	10/5/2022 15:22	0	0
	133	10/5/2022 15:23	0	0
	134	10/5/2022 15:24	0	0
	135	10/5/2022 15:25	0	0
	136	10/5/2022 15:26	0	0
	137	10/5/2022 15:27	0	0
	138	10/5/2022 15:28	0	0
	139	10/5/2022 15:29	0	0
	140	10/5/2022 15:30	0	0
	141	10/5/2022 15:31	0	0
	142	10/5/2022 15:32	0	0
	143	10/5/2022 15:33	0	0
	144	10/5/2022 15:34	0	0
	145	10/5/2022 15:35	0	0
	146	10/5/2022 15:36	0	0
	147	10/5/2022 15:37	0	0
	148	10/5/2022 15:38	0	0
	149	10/5/2022 15:39	0	0
	150	10/5/2022 15:40	0	0
	151	10/5/2022 15:41	0	0
	152	10/5/2022 15:42	0	0
	153	10/5/2022 15:43	0	0
	154	10/5/2022 15:44	0	0

155	10/5/2022 15:45	0	0
156	10/5/2022 15:46	0	0
157	10/5/2022 15:47	0	0
158	10/5/2022 15:48	0	0
159	10/5/2022 15:49	0	0
160	10/5/2022 15:50	0	0
161	10/5/2022 15:51	0	0
162	10/5/2022 15:52	0	0
163	10/5/2022 15:53	0	0
164	10/5/2022 15:54	0	0
165	10/5/2022 15:55	0	0
166	10/5/2022 15:56	0	0
167	10/5/2022 15:57	0	0
168	10/5/2022 15:58	0	0
169	10/5/2022 15:59	0	0
170	10/5/2022 16:00	0	0
171	10/5/2022 16:01	0	0
172	10/5/2022 16:02	0	0
173	10/5/2022 16:03	0	0
174	10/5/2022 16:04	0	0

22/10/06 08:07

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908186
Unit Firmware Ver V2.22A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID 00000001
User ID 00000001

Begin 10/6/2022 8:07
End 10/6/2022 8:09
Sample Period(s) 60
Number of Records 2

Sensor PID(ppm)
Sensor SN S023030091S5
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/5/2022 8:09
Peak 0
Min 0
Average 0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/6/2022 8:08	0	0	0	0
002	10/6/2022 8:09	0	0	0	0
Peak		0	0	0	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/6/2022 8:08	0 ---	
002	10/6/2022 8:09	0 ---	

22/10/06 08:11

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908186
Unit Firmware Ver V2.22A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 00000001
User ID 00000001

Begin 10/6/2022 8:11
End 10/6/2022 11:42
Sample Period(s) 60
Number of Records 211

Sensor PID(ppm)
Sensor SN S023030091S5
Measure Type Min; Avg; Max; Real
Span 100

Span 2

Low Alarm

High Alarm

Over Alarm

STEL Alarm

TWA Alarm

Measurement Gas

Calibration Time

Peak

Min

Average

1000

50

100

15000

25

10

Isobutylene

10/6/2022 8:11

0.1

0

0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/6/2022 8:12	0	0	0.3	0
002	10/6/2022 8:13	0	0	0	0
003	10/6/2022 8:14	0	0	0	0
004	10/6/2022 8:15	0	0	0	0
005	10/6/2022 8:16	0	0	0	0
006	10/6/2022 8:17	0	0	0	0
007	10/6/2022 8:18	0	0	0	0
008	10/6/2022 8:19	0	0	0	0
009	10/6/2022 8:20	0	0	0	0
010	10/6/2022 8:21	0	0	0	0
011	10/6/2022 8:22	0	0	0	0
012	10/6/2022 8:23	0	0	0	0
013	10/6/2022 8:24	0	0	0	0
014	10/6/2022 8:25	0	0	0	0
015	10/6/2022 8:26	0	0	0	0
016	10/6/2022 8:27	0	0	0	0
017	10/6/2022 8:28	0	0	0	0
018	10/6/2022 8:29	0	0	0	0
019	10/6/2022 8:30	0	0	0	0
020	10/6/2022 8:31	0	0	0	0
021	10/6/2022 8:32	0	0	0	0
022	10/6/2022 8:33	0	0	0	0
023	10/6/2022 8:34	0	0	0	0
024	10/6/2022 8:35	0	0	0	0
025	10/6/2022 8:36	0	0	0	0
026	10/6/2022 8:37	0	0	0	0
027	10/6/2022 8:38	0	0	0	0
028	10/6/2022 8:39	0	0	0	0
029	10/6/2022 8:40	0	0	0	0
030	10/6/2022 8:41	0	0	0	0
031	10/6/2022 8:42	0	0	0	0
032	10/6/2022 8:43	0	0	0	0
033	10/6/2022 8:44	0	0	0	0
034	10/6/2022 8:45	0	0	0	0
035	10/6/2022 8:46	0	0	0	0
036	10/6/2022 8:47	0	0	0	0
037	10/6/2022 8:48	0	0	0	0
038	10/6/2022 8:49	0	0	0	0
039	10/6/2022 8:50	0	0	0	0
040	10/6/2022 8:51	0	0	0	0
041	10/6/2022 8:52	0	0	0	0
042	10/6/2022 8:53	0	0	0	0
043	10/6/2022 8:54	0	0	0	0
044	10/6/2022 8:55	0	0	0.1	0
045	10/6/2022 8:56	0	0	0.1	0
046	10/6/2022 8:57	0	0	0.1	0.1
047	10/6/2022 8:58	0.1	0.1	0.1	0.1
048	10/6/2022 8:59	0.1	0.1	0.1	0.1
049	10/6/2022 9:00	0.1	0.1	0.1	0.1
050	10/6/2022 9:01	0.1	0.1	0.1	0.1
051	10/6/2022 9:02	0.1	0.1	0.1	0.1
052	10/6/2022 9:03	0.1	0.1	0.1	0.1
053	10/6/2022 9:04	0.1	0.1	0.1	0.1
054	10/6/2022 9:05	0.1	0.1	0.1	0.1
055	10/6/2022 9:06	0.1	0.1	0.1	0.1
056	10/6/2022 9:07	0.1	0.1	0.1	0.1
057	10/6/2022 9:08	0.1	0.1	0.1	0.1
058	10/6/2022 9:09	0.1	0.1	0.1	0.1
059	10/6/2022 9:10	0.1	0.1	0.1	0.1
060	10/6/2022 9:11	0.1	0.1	0.1	0.1
061	10/6/2022 9:12	0.1	0.1	0.1	0.1
062	10/6/2022 9:13	0.1	0.1	0.1	0.1
063	10/6/2022 9:14	0.1	0.1	0.1	0.1
064	10/6/2022 9:15	0.1	0.1	0.1	0.1
065	10/6/2022 9:16	0.1	0.1	0.1	0.1
066	10/6/2022 9:17	0.1	0.1	0.1	0.1
067	10/6/2022 9:18	0.1	0.1	0.1	0.1
068	10/6/2022 9:19	0.1	0.1	0.1	0.1
069	10/6/2022 9:20	0.1	0.1	0.1	0.1
070	10/6/2022 9:21	0.1	0.1	0.1	0.1
071	10/6/2022 9:22	0.1	0.1	0.1	0.1
072	10/6/2022 9:23	0.1	0.1	0.1	0.1
073	10/6/2022 9:24	0.1	0.1	0.1	0.1
074	10/6/2022 9:25	0.1	0.1	0.1	0.1
075	10/6/2022 9:26	0.1	0.1	0.1	0.1
076	10/6/2022 9:27	0.1	0.1	0.1	0.1
077	10/6/2022 9:28	0.1	0.1	0.1	0.1
078	10/6/2022 9:29	0.1	0.1	0.1	0.1
079	10/6/2022 9:30	0.1	0.1	0.1	0.1
080	10/6/2022 9:31	0.1	0.1	0.1	0.1
081	10/6/2022 9:32	0.1	0.1	0.1	0.1
082	10/6/2022 9:33	0.1	0.1	0.1	0.1
083	10/6/2022 9:34	0.1	0.1	0.1	0.1
084	10/6/2022 9:35	0.1	0.1	0.1	0.1

085		10/6/2022 9:36	0.1	0.1	0.1	0.1
086		10/6/2022 9:37	0.1	0.1	0.1	0.1
087		10/6/2022 9:38	0.1	0.1	0.1	0.1
088		10/6/2022 9:39	0.1	0.1	0.1	0.1
089		10/6/2022 9:40	0.1	0.1	0.1	0.1
090		10/6/2022 9:41	0.1	0.1	0.1	0.1
091		10/6/2022 9:42	0.1	0.1	0.1	0.1
092		10/6/2022 9:43	0.1	0.1	0.1	0.1
093		10/6/2022 9:44	0.1	0.1	0.1	0.1
094		10/6/2022 9:45	0.1	0.1	0.1	0.1
095		10/6/2022 9:46	0.1	0.1	0.1	0.1
096		10/6/2022 9:47	0.1	0.1	0.1	0.1
097		10/6/2022 9:48	0.1	0.1	0.1	0.1
098		10/6/2022 9:49	0.1	0.1	0.1	0.1
099		10/6/2022 9:50	0.1	0.1	0.1	0.1
	100	10/6/2022 9:51	0.1	0.1	0.1	0.1
	101	10/6/2022 9:52	0.1	0.1	0.1	0.1
	102	10/6/2022 9:53	0.1	0.1	0.1	0.1
	103	10/6/2022 9:54	0.1	0.1	0.1	0.1
	104	10/6/2022 9:55	0.1	0.1	0.1	0.1
	105	10/6/2022 9:56	0.1	0.1	0.1	0.1
	106	10/6/2022 9:57	0.1	0.1	0.1	0.1
	107	10/6/2022 9:58	0.1	0.1	0.1	0.1
	108	10/6/2022 9:59	0.1	0.1	0.1	0.1
	109	10/6/2022 10:00	0.1	0.1	0.1	0.1
	110	10/6/2022 10:01	0.1	0.1	0.1	0.1
	111	10/6/2022 10:02	0.1	0.1	0.1	0.1
	112	10/6/2022 10:03	0.1	0.1	0.1	0.1
	113	10/6/2022 10:04	0.1	0.1	0.1	0.1
	114	10/6/2022 10:05	0.1	0.1	0.1	0.1
	115	10/6/2022 10:06	0.1	0.1	0.1	0.1
	116	10/6/2022 10:07	0.1	0.1	0.1	0.1
	117	10/6/2022 10:08	0.1	0.1	0.1	0.1
	118	10/6/2022 10:09	0.1	0.1	0.1	0.1
	119	10/6/2022 10:10	0.1	0.1	0.1	0.1
	120	10/6/2022 10:11	0.1	0.1	0.1	0.1
	121	10/6/2022 10:12	0.1	0.1	0.1	0.1
	122	10/6/2022 10:13	0.1	0.1	0.1	0.1
	123	10/6/2022 10:14	0.1	0.1	0.1	0.1
	124	10/6/2022 10:15	0.1	0.1	0.1	0.1
	125	10/6/2022 10:16	0.1	0.1	0.1	0.1
	126	10/6/2022 10:17	0.1	0.1	0.1	0.1
	127	10/6/2022 10:18	0.1	0.1	0.1	0.1
	128	10/6/2022 10:19	0.1	0.1	0.1	0.1
	129	10/6/2022 10:20	0.1	0.1	0.1	0.1
	130	10/6/2022 10:21	0.1	0.1	0.1	0.1
	131	10/6/2022 10:22	0.1	0.1	0.1	0.1
	132	10/6/2022 10:23	0.1	0.1	0.1	0.1
	133	10/6/2022 10:24	0.1	0.1	0.1	0.1
	134	10/6/2022 10:25	0.1	0.1	0.1	0.1
	135	10/6/2022 10:26	0.1	0.1	0.1	0.1
	136	10/6/2022 10:27	0.1	0.1	0.1	0.1
	137	10/6/2022 10:28	0.1	0.1	0.1	0.1
	138	10/6/2022 10:29	0.1	0.1	0.1	0.1
	139	10/6/2022 10:30	0.1	0.1	0.1	0.1
	140	10/6/2022 10:31	0.1	0.1	0.1	0.1
	141	10/6/2022 10:32	0.1	0.1	0.1	0.1
	142	10/6/2022 10:33	0.1	0.1	0.1	0.1
	143	10/6/2022 10:34	0.1	0.1	0.1	0.1
	144	10/6/2022 10:35	0.1	0.1	0.1	0.1
	145	10/6/2022 10:36	0.1	0.1	0.1	0.1
	146	10/6/2022 10:37	0.1	0.1	0.1	0.1
	147	10/6/2022 10:38	0.1	0.1	0.1	0.1
	148	10/6/2022 10:39	0.1	0.1	0.1	0.1
	149	10/6/2022 10:40	0.1	0.1	0.1	0.1
	150	10/6/2022 10:41	0.1	0.1	0.1	0.1
	151	10/6/2022 10:42	0.1	0.1	0.1	0.1
	152	10/6/2022 10:43	0.1	0.1	0.1	0.1
	153	10/6/2022 10:44	0.1	0.1	0.1	0.1
	154	10/6/2022 10:45	0.1	0.1	0.1	0.1
	155	10/6/2022 10:46	0.1	0.1	0.1	0.1
	156	10/6/2022 10:47	0.1	0.1	0.1	0.1
	157	10/6/2022 10:48	0.1	0.1	0.1	0.1
	158	10/6/2022 10:49	0.1	0.1	0.1	0.1
	159	10/6/2022 10:50	0.1	0.1	0.1	0.1
	160	10/6/2022 10:51	0.1	0.1	0.1	0.1
	161	10/6/2022 10:52	0.1	0.1	0.1	0.1
	162	10/6/2022 10:53	0.1	0.1	0.1	0.1
	163	10/6/2022 10:54	0.1	0.1	0.1	0.1
	164	10/6/2022 10:55	0.1	0.1	0.1	0.1
	165	10/6/2022 10:56	0.1	0.1	0.1	0.1
	166	10/6/2022 10:57	0.1	0.1	0.1	0.1
	167	10/6/2022 10:58	0.1	0.1	0.1	0.1
	168	10/6/2022 10:59	0.1	0.1	0.1	0.1
	169	10/6/2022 11:00	0.1	0.1	0.1	0.1
	170	10/6/2022 11:01	0.1	0.1	0.1	0.1
	171	10/6/2022 11:02	0.1	0.1	0.1	0.1
	172	10/6/2022 11:03	0.1	0.1	0.1	0.1
	173	10/6/2022 11:04	0.1	0.1	0.1	0.1
	174	10/6/2022 11:05	0.1	0.1	0.1	0.1
	175	10/6/2022 11:06	0.1	0.1	0.1	0.1
	176	10/6/2022 11:07	0.1	0.1	0.1	0.1
	177	10/6/2022 11:08	0.1	0.1	0.1	0.1
	178	10/6/2022 11:09	0.1	0.1	0.1	0.1
	179	10/6/2022 11:10	0.1	0.1	0.1	0.1
	180	10/6/2022 11:11	0.1	0.1	0.1	0.1
	181	10/6/2022 11:12	0.1	0.1	0.1	0.1
	182	10/6/2022 11:13	0.1	0.1	0.1	0.1
	183	10/6/2022 11:14	0.1	0.1	0.1	0.1
	184	10/6/2022 11:15	0.1	0.1	0.1	0.1

	185	10/6/2022 11:16	0.1	0.1	0.1	0.1
	186	10/6/2022 11:17	0.1	0.1	0.1	0.1
	187	10/6/2022 11:18	0.1	0.1	0.1	0.1
	188	10/6/2022 11:19	0.1	0.1	0.1	0.1
	189	10/6/2022 11:20	0.1	0.1	0.1	0.1
	190	10/6/2022 11:21	0.1	0.1	0.1	0.1
	191	10/6/2022 11:22	0.1	0.1	0.1	0.1
	192	10/6/2022 11:23	0.1	0.1	0.1	0.1
	193	10/6/2022 11:24	0.1	0.1	0.1	0.1
	194	10/6/2022 11:25	0.1	0.1	0.1	0.1
	195	10/6/2022 11:26	0.1	0.1	0.1	0.1
	196	10/6/2022 11:27	0.1	0.1	0.1	0.1
	197	10/6/2022 11:28	0.1	0.1	0.1	0.1
	198	10/6/2022 11:29	0.1	0.1	0.1	0.1
	199	10/6/2022 11:30	0.1	0.1	0.1	0.1
	200	10/6/2022 11:31	0.1	0.1	0.1	0.1
	201	10/6/2022 11:32	0.1	0.1	0.1	0.1
	202	10/6/2022 11:33	0.1	0.1	0.1	0.1
	203	10/6/2022 11:34	0.1	0.1	0.1	0.1
	204	10/6/2022 11:35	0.1	0.1	0.1	0.1
	205	10/6/2022 11:36	0.1	0.1	0.1	0.1
	206	10/6/2022 11:37	0.1	0.1	0.1	0.1
	207	10/6/2022 11:38	0.1	0.2	0.5	0.1
	208	10/6/2022 11:39	0.1	0.1	0.1	0.1
	209	10/6/2022 11:40	0.1	0.1	0.1	0.1
	210	10/6/2022 11:41	0.1	0.1	0.1	0.1
	211	10/6/2022 11:42	0.1	0.1	0.1	0.1
Peak			0.1	0.2	0.5	0.1
Min			0	0	0	0
Average			0.1	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/6/2022 8:12	0 ---	
002	10/6/2022 8:13	0 ---	
003	10/6/2022 8:14	0 ---	
004	10/6/2022 8:15	0 ---	
005	10/6/2022 8:16	0 ---	
006	10/6/2022 8:17	0 ---	
007	10/6/2022 8:18	0 ---	
008	10/6/2022 8:19	0 ---	
009	10/6/2022 8:20	0 ---	
010	10/6/2022 8:21	0 ---	
011	10/6/2022 8:22	0 ---	
012	10/6/2022 8:23	0 ---	
013	10/6/2022 8:24	0 ---	
014	10/6/2022 8:25	0 ---	
015	10/6/2022 8:26	0	0
016	10/6/2022 8:27	0	0
017	10/6/2022 8:28	0	0
018	10/6/2022 8:29	0	0
019	10/6/2022 8:30	0	0
020	10/6/2022 8:31	0	0
021	10/6/2022 8:32	0	0
022	10/6/2022 8:33	0	0
023	10/6/2022 8:34	0	0
024	10/6/2022 8:35	0	0
025	10/6/2022 8:36	0	0
026	10/6/2022 8:37	0	0
027	10/6/2022 8:38	0	0
028	10/6/2022 8:39	0	0
029	10/6/2022 8:40	0	0
030	10/6/2022 8:41	0	0
031	10/6/2022 8:42	0	0
032	10/6/2022 8:43	0	0
033	10/6/2022 8:44	0	0
034	10/6/2022 8:45	0	0
035	10/6/2022 8:46	0	0
036	10/6/2022 8:47	0	0
037	10/6/2022 8:48	0	0
038	10/6/2022 8:49	0	0
039	10/6/2022 8:50	0	0
040	10/6/2022 8:51	0	0
041	10/6/2022 8:52	0	0
042	10/6/2022 8:53	0	0
043	10/6/2022 8:54	0	0
044	10/6/2022 8:55	0	0
045	10/6/2022 8:56	0	0
046	10/6/2022 8:57	0	0
047	10/6/2022 8:58	0	0
048	10/6/2022 8:59	0	0
049	10/6/2022 9:00	0	0
050	10/6/2022 9:01	0	0
051	10/6/2022 9:02	0	0
052	10/6/2022 9:03	0	0
053	10/6/2022 9:04	0	0.1
054	10/6/2022 9:05	0	0.1
055	10/6/2022 9:06	0	0.1
056	10/6/2022 9:07	0	0.1
057	10/6/2022 9:08	0	0.1
058	10/6/2022 9:09	0	0.1
059	10/6/2022 9:10	0	0.1
060	10/6/2022 9:11	0	0.1
061	10/6/2022 9:12	0	0.1
062	10/6/2022 9:13	0	0.1
063	10/6/2022 9:14	0	0.1
064	10/6/2022 9:15	0	0.1
065	10/6/2022 9:16	0	0.1

066		10/6/2022 9:17	0	0.1
067		10/6/2022 9:18	0	0.1
068		10/6/2022 9:19	0	0.1
069		10/6/2022 9:20	0	0.1
070		10/6/2022 9:21	0	0.1
071		10/6/2022 9:22	0	0.1
072		10/6/2022 9:23	0	0.1
073		10/6/2022 9:24	0	0.1
074		10/6/2022 9:25	0	0.1
075		10/6/2022 9:26	0	0.1
076		10/6/2022 9:27	0	0.1
077		10/6/2022 9:28	0	0.1
078		10/6/2022 9:29	0	0.1
079		10/6/2022 9:30	0	0.1
080		10/6/2022 9:31	0	0.1
081		10/6/2022 9:32	0	0.1
082		10/6/2022 9:33	0	0.1
083		10/6/2022 9:34	0	0.1
084		10/6/2022 9:35	0	0.1
085		10/6/2022 9:36	0	0.1
086		10/6/2022 9:37	0	0.1
087		10/6/2022 9:38	0	0.1
088		10/6/2022 9:39	0	0.1
089		10/6/2022 9:40	0	0.1
090		10/6/2022 9:41	0	0.1
091		10/6/2022 9:42	0	0.1
092		10/6/2022 9:43	0	0.1
093		10/6/2022 9:44	0	0.1
094		10/6/2022 9:45	0	0.1
095		10/6/2022 9:46	0	0.1
096		10/6/2022 9:47	0	0.1
097		10/6/2022 9:48	0	0.1
098		10/6/2022 9:49	0	0.1
099		10/6/2022 9:50	0	0.1
	100	10/6/2022 9:51	0	0.1
	101	10/6/2022 9:52	0	0.1
	102	10/6/2022 9:53	0	0.1
	103	10/6/2022 9:54	0	0.1
	104	10/6/2022 9:55	0	0.1
	105	10/6/2022 9:56	0	0.1
	106	10/6/2022 9:57	0	0.1
	107	10/6/2022 9:58	0	0.1
	108	10/6/2022 9:59	0	0.1
	109	10/6/2022 10:00	0	0.1
	110	10/6/2022 10:01	0	0.1
	111	10/6/2022 10:02	0	0.1
	112	10/6/2022 10:03	0	0.1
	113	10/6/2022 10:04	0	0.1
	114	10/6/2022 10:05	0	0.1
	115	10/6/2022 10:06	0	0.1
	116	10/6/2022 10:07	0	0.1
	117	10/6/2022 10:08	0	0.1
	118	10/6/2022 10:09	0	0.1
	119	10/6/2022 10:10	0	0.1
	120	10/6/2022 10:11	0	0.1
	121	10/6/2022 10:12	0	0.1
	122	10/6/2022 10:13	0	0.1
	123	10/6/2022 10:14	0	0.1
	124	10/6/2022 10:15	0	0.1
	125	10/6/2022 10:16	0	0.1
	126	10/6/2022 10:17	0	0.1
	127	10/6/2022 10:18	0	0.1
	128	10/6/2022 10:19	0	0.1
	129	10/6/2022 10:20	0	0.1
	130	10/6/2022 10:21	0	0.1
	131	10/6/2022 10:22	0	0.1
	132	10/6/2022 10:23	0	0.1
	133	10/6/2022 10:24	0	0.1
	134	10/6/2022 10:25	0	0.1
	135	10/6/2022 10:26	0	0.1
	136	10/6/2022 10:27	0	0.1
	137	10/6/2022 10:28	0	0.1
	138	10/6/2022 10:29	0	0.1
	139	10/6/2022 10:30	0	0.1
	140	10/6/2022 10:31	0	0.1
	141	10/6/2022 10:32	0	0.1
	142	10/6/2022 10:33	0	0.1
	143	10/6/2022 10:34	0	0.1
	144	10/6/2022 10:35	0	0.1
	145	10/6/2022 10:36	0	0.1
	146	10/6/2022 10:37	0	0.1
	147	10/6/2022 10:38	0	0.1
	148	10/6/2022 10:39	0	0.1
	149	10/6/2022 10:40	0	0.1
	150	10/6/2022 10:41	0	0.1
	151	10/6/2022 10:42	0	0.1
	152	10/6/2022 10:43	0	0.1
	153	10/6/2022 10:44	0	0.1
	154	10/6/2022 10:45	0	0.1
	155	10/6/2022 10:46	0	0.1
	156	10/6/2022 10:47	0	0.1
	157	10/6/2022 10:48	0	0.1
	158	10/6/2022 10:49	0	0.1
	159	10/6/2022 10:50	0	0.1
	160	10/6/2022 10:51	0	0.1
	161	10/6/2022 10:52	0	0.1
	162	10/6/2022 10:53	0	0.1
	163	10/6/2022 10:54	0	0.1
	164	10/6/2022 10:55	0	0.1
	165	10/6/2022 10:56	0	0.1

166	10/6/2022 10:57	0	0.1
167	10/6/2022 10:58	0	0.1
168	10/6/2022 10:59	0	0.1
169	10/6/2022 11:00	0	0.1
170	10/6/2022 11:01	0	0.1
171	10/6/2022 11:02	0	0.1
172	10/6/2022 11:03	0	0.1
173	10/6/2022 11:04	0	0.1
174	10/6/2022 11:05	0	0.1
175	10/6/2022 11:06	0	0.1
176	10/6/2022 11:07	0	0.1
177	10/6/2022 11:08	0	0.1
178	10/6/2022 11:09	0	0.1
179	10/6/2022 11:10	0	0.1
180	10/6/2022 11:11	0	0.1
181	10/6/2022 11:12	0	0.1
182	10/6/2022 11:13	0	0.1
183	10/6/2022 11:14	0	0.1
184	10/6/2022 11:15	0	0.1
185	10/6/2022 11:16	0	0.1
186	10/6/2022 11:17	0	0.1
187	10/6/2022 11:18	0	0.1
188	10/6/2022 11:19	0	0.1
189	10/6/2022 11:20	0	0.1
190	10/6/2022 11:21	0	0.1
191	10/6/2022 11:22	0	0.1
192	10/6/2022 11:23	0	0.1
193	10/6/2022 11:24	0	0.1
194	10/6/2022 11:25	0	0.1
195	10/6/2022 11:26	0	0.1
196	10/6/2022 11:27	0	0.1
197	10/6/2022 11:28	0	0.1
198	10/6/2022 11:29	0	0.1
199	10/6/2022 11:30	0	0.1
200	10/6/2022 11:31	0	0.1
201	10/6/2022 11:32	0	0.1
202	10/6/2022 11:33	0	0.1
203	10/6/2022 11:34	0	0.1
204	10/6/2022 11:35	0	0.1
205	10/6/2022 11:36	0	0.1
206	10/6/2022 11:37	0	0.1
207	10/6/2022 11:38	0	0.1
208	10/6/2022 11:39	0	0.1
209	10/6/2022 11:40	0	0.1
210	10/6/2022 11:41	0	0.1
211	10/6/2022 11:42	0	0.1

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22/10/12 09:25

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	00000001
User ID	00000001
Begin	10/12/2022 9:25
End	10/12/2022 9:25
Sample Period(s)	60
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/6/2022 8:11

Datalog

0 record.

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22/10/12 09:29

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/12/2022 9:29
End	10/12/2022 10:23
Sample Period(s)	60
Number of Records	54

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/12/2022 9:29
Peak	0.2
Min	0
Average	0.1

Datalog					
Index	Date/Time	PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
		(Min)	(Avg)	(Max)	(Real)
001	10/12/2022 9:30	0	0	0	0
002	10/12/2022 9:31	0	0	0	0
003	10/12/2022 9:32	0	0	0	0
004	10/12/2022 9:33	0	0	0	0
005	10/12/2022 9:34	0	0	0	0
006	10/12/2022 9:35	0	0	0	0
007	10/12/2022 9:36	0	0	0	0
008	10/12/2022 9:37	0	0	0	0
009	10/12/2022 9:38	0	0	0	0
010	10/12/2022 9:39	0	0	0	0
011	10/12/2022 9:40	0	0	0	0
012	10/12/2022 9:41	0	0	0	0
013	10/12/2022 9:42	0	0	0.1	0
014	10/12/2022 9:43	0	0	0	0
015	10/12/2022 9:44	0	0	0	0
016	10/12/2022 9:45	0	0	0	0
017	10/12/2022 9:46	0	0	0	0
018	10/12/2022 9:47	0	0.1	0.2	0.1
019	10/12/2022 9:48	0	0.1	0.1	0
020	10/12/2022 9:49	0	0.1	0.1	0.1
021	10/12/2022 9:50	0	0	0.1	0
022	10/12/2022 9:51	0	0.1	0.1	0.1
023	10/12/2022 9:52	0.1	0.2	0.5	0.1
024	10/12/2022 9:53	0	0.1	0.1	0.1
025	10/12/2022 9:54	0	0.1	0.1	0.1
026	10/12/2022 9:55	0	0	0.1	0.1
027	10/12/2022 9:56	0	0.1	0.2	0.1
028	10/12/2022 9:57	0	0.1	0.1	0.1
029	10/12/2022 9:58	0	0	0.1	0
030	10/12/2022 9:59	0	0	0.1	0.1
031	10/12/2022 10:00	0	0.1	0.1	0.1
032	10/12/2022 10:01	0	0.1	0.2	0.1
033	10/12/2022 10:02	0	0.1	0.1	0.1
034	10/12/2022 10:03	0	0.1	0.2	0.2
035	10/12/2022 10:04	0.1	0.1	0.2	0.2
036	10/12/2022 10:05	0.1	0.1	0.2	0.1
037	10/12/2022 10:06	0	0.1	0.1	0.1
038	10/12/2022 10:07	0	0.1	0.1	0.1
039	10/12/2022 10:08	0	0.1	0.1	0.1
040	10/12/2022 10:09	0	0.1	0.1	0.1
041	10/12/2022 10:10	0	0.1	0.1	0.1
042	10/12/2022 10:11	0	0.1	0.1	0.1
043	10/12/2022 10:12	0	0.1	0.1	0.1
044	10/12/2022 10:13	0	0.1	0.1	0.1
045	10/12/2022 10:14	0	0.1	0.1	0.1
046	10/12/2022 10:15	0	0.1	0.1	0.1
047	10/12/2022 10:16	0	0.1	0.1	0.1
048	10/12/2022 10:17	0	0.1	0.1	0
049	10/12/2022 10:18	0	0.1	0.1	0.1
050	10/12/2022 10:19	0.1	0.1	0.1	0.1
051	10/12/2022 10:20	0.1	0.1	0.1	0.1
052	10/12/2022 10:21	0	0.1	0.1	0.1
053	10/12/2022 10:22	0.1	0.1	0.1	0.1
054	10/12/2022 10:23	0.1	0.1	0.1	0.1
Peak		0.1	0.2	0.5	0.2
Min		0	0	0	0
Average		0	0.1	0.1	0.1

TWA/STEL				
Index	Date/Time	PID(ppm)	PID(ppm)	
		(TWA)	(STEL)	
001	10/12/2022 9:30	0	---	
002	10/12/2022 9:31	0	---	
003	10/12/2022 9:32	0	---	
004	10/12/2022 9:33	0	---	
005	10/12/2022 9:34	0	---	
006	10/12/2022 9:35	0	---	
007	10/12/2022 9:36	0	---	
008	10/12/2022 9:37	0	---	
009	10/12/2022 9:38	0	---	
010	10/12/2022 9:39	0	---	

011	10/12/2022 9:40	0	---
012	10/12/2022 9:41	0	---
013	10/12/2022 9:42	0	---
014	10/12/2022 9:43	0	---
015	10/12/2022 9:44	0	0
016	10/12/2022 9:45	0	0
017	10/12/2022 9:46	0	0
018	10/12/2022 9:47	0	0
019	10/12/2022 9:48	0	0
020	10/12/2022 9:49	0	0
021	10/12/2022 9:50	0	0
022	10/12/2022 9:51	0	0
023	10/12/2022 9:52	0	0
024	10/12/2022 9:53	0	0
025	10/12/2022 9:54	0	0
026	10/12/2022 9:55	0	0
027	10/12/2022 9:56	0	0.1
028	10/12/2022 9:57	0	0.1
029	10/12/2022 9:58	0	0.1
030	10/12/2022 9:59	0	0.1
031	10/12/2022 10:00	0	0.1
032	10/12/2022 10:01	0	0.1
033	10/12/2022 10:02	0	0.1
034	10/12/2022 10:03	0	0.1
035	10/12/2022 10:04	0	0.1
036	10/12/2022 10:05	0	0.1
037	10/12/2022 10:06	0	0.1
038	10/12/2022 10:07	0	0.1
039	10/12/2022 10:08	0	0.1
040	10/12/2022 10:09	0	0.1
041	10/12/2022 10:10	0	0.1
042	10/12/2022 10:11	0	0.1
043	10/12/2022 10:12	0	0.1
044	10/12/2022 10:13	0	0.1
045	10/12/2022 10:14	0	0.1
046	10/12/2022 10:15	0	0.1
047	10/12/2022 10:16	0	0.1
048	10/12/2022 10:17	0	0.1
049	10/12/2022 10:18	0	0.1
050	10/12/2022 10:19	0	0.1
051	10/12/2022 10:20	0	0.1
052	10/12/2022 10:21	0	0.1
053	10/12/2022 10:22	0	0.1
054	10/12/2022 10:23	0	0.1

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22/10/12 11:17

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/12/2022 11:17
End	10/12/2022 11:47
Sample Period(s)	60
Number of Records	29

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/12/2022 9:29
Peak	0.3
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
		(Min)	(Avg)	(Max)	(Real)
001	10/12/2022 11:18	0	0	0	0
002	10/12/2022 11:19	0	0	0	0
003	10/12/2022 11:20	0	0	0.1	0
004	10/12/2022 11:21	0	0	0.1	0
005	10/12/2022 11:22	0	0	0.1	0
006	10/12/2022 11:23	0	0	0.1	0
007	10/12/2022 11:24	0	0.1	0.2	0.1
008	10/12/2022 11:25	0	0.1	0.2	0
009	10/12/2022 11:26	0	0	0.3	0.3
010	10/12/2022 11:27	0	0	0.2	0
011	10/12/2022 11:28	0	0	0.1	0
012	10/12/2022 11:29	0	0	0.2	0
013	10/12/2022 11:30	0	0.1	0.3	0
014	10/12/2022 11:31	0	0	0.1	0

015	10/12/2022 11:32	0	0	0	0
016	10/12/2022 11:33	0	0	0	0
017	10/12/2022 11:34	0	0	0.1	0
018	10/12/2022 11:35	0	0	0.1	0
019	10/12/2022 11:36	0	0	0.1	0
020	10/12/2022 11:37	0	0	0.1	0.1
021	10/12/2022 11:38	0	0	0.1	0
022	10/12/2022 11:39	0	0	0.1	0
023	10/12/2022 11:40	0	0	0.1	0
024	10/12/2022 11:41	0	0	0	0
025	10/12/2022 11:42	0	0	0	0
026	10/12/2022 11:43	0	0	0	0
027	10/12/2022 11:44	0	0	0	0
028	10/12/2022 11:45	0	0	0	0
029	10/12/2022 11:46	0	0	0	0
Peak		0	0.1	0.3	0.3
Min		0	0	0	0
Average		0	0	0.1	0

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/12/2022 11:18	0	---
002	10/12/2022 11:19	0	---
003	10/12/2022 11:20	0	---
004	10/12/2022 11:21	0	---
005	10/12/2022 11:22	0	---
006	10/12/2022 11:23	0	---
007	10/12/2022 11:24	0	---
008	10/12/2022 11:25	0	---
009	10/12/2022 11:26	0	---
010	10/12/2022 11:27	0	---
011	10/12/2022 11:28	0	---
012	10/12/2022 11:29	0	---
013	10/12/2022 11:30	0	---
014	10/12/2022 11:31	0	---
015	10/12/2022 11:32	0	0
016	10/12/2022 11:33	0	0
017	10/12/2022 11:34	0	0
018	10/12/2022 11:35	0	0
019	10/12/2022 11:36	0	0
020	10/12/2022 11:37	0	0
021	10/12/2022 11:38	0	0
022	10/12/2022 11:39	0	0
023	10/12/2022 11:40	0	0
024	10/12/2022 11:41	0	0
025	10/12/2022 11:42	0	0
026	10/12/2022 11:43	0	0
027	10/12/2022 11:44	0	0
028	10/12/2022 11:45	0	0
029	10/12/2022 11:46	0	0

22/10/12 11:59

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/12/2022 11:59
End	10/12/2022 12:31
Sample Period(s)	60
Number of Records	31

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/12/2022 9:29
Peak	0.1
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
		(Min)	(Avg)	(Max)	(Real)
001	10/12/2022 12:00	0	0	0	0
002	10/12/2022 12:01	0	0	0	0
003	10/12/2022 12:02	0	0	0	0
004	10/12/2022 12:03	0	0	0	0
005	10/12/2022 12:04	0	0	0	0
006	10/12/2022 12:05	0	0	0	0

007	10/12/2022 12:06	0	0	0	0
008	10/12/2022 12:07	0	0	0.2	0
009	10/12/2022 12:08	0	0	0.1	0.1
010	10/12/2022 12:09	0	0	0.1	0
011	10/12/2022 12:10	0	0	0	0
012	10/12/2022 12:11	0	0	0	0
013	10/12/2022 12:12	0	0	0	0
014	10/12/2022 12:13	0	0	0	0
015	10/12/2022 12:14	0	0	0	0
016	10/12/2022 12:15	0	0	0	0
017	10/12/2022 12:16	0	0	0.1	0.1
018	10/12/2022 12:17	0	0.1	0.1	0
019	10/12/2022 12:18	0	0	0	0
020	10/12/2022 12:19	0	0	0	0
021	10/12/2022 12:20	0	0	0	0
022	10/12/2022 12:21	0	0	0	0
023	10/12/2022 12:22	0	0	0.1	0
024	10/12/2022 12:23	0	0	0	0
025	10/12/2022 12:24	0	0	0.1	0.1
026	10/12/2022 12:25	0	0	0.1	0
027	10/12/2022 12:26	0	0	0.1	0
028	10/12/2022 12:27	0	0	0.1	0.1
029	10/12/2022 12:28	0	0	0.1	0
030	10/12/2022 12:29	0	0	0	0
031	10/12/2022 12:30	0	0	0	0
Peak		0	0.1	0.2	0.1
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/12/2022 12:00	0 ---	
002	10/12/2022 12:01	0 ---	
003	10/12/2022 12:02	0 ---	
004	10/12/2022 12:03	0 ---	
005	10/12/2022 12:04	0 ---	
006	10/12/2022 12:05	0 ---	
007	10/12/2022 12:06	0 ---	
008	10/12/2022 12:07	0 ---	
009	10/12/2022 12:08	0 ---	
010	10/12/2022 12:09	0 ---	
011	10/12/2022 12:10	0 ---	
012	10/12/2022 12:11	0 ---	
013	10/12/2022 12:12	0 ---	
014	10/12/2022 12:13	0 ---	
015	10/12/2022 12:14	0	0
016	10/12/2022 12:15	0	0
017	10/12/2022 12:16	0	0
018	10/12/2022 12:17	0	0
019	10/12/2022 12:18	0	0
020	10/12/2022 12:19	0	0
021	10/12/2022 12:20	0	0
022	10/12/2022 12:21	0	0
023	10/12/2022 12:22	0	0
024	10/12/2022 12:23	0	0
025	10/12/2022 12:24	0	0
026	10/12/2022 12:25	0	0
027	10/12/2022 12:26	0	0
028	10/12/2022 12:27	0	0
029	10/12/2022 12:28	0	0
030	10/12/2022 12:29	0	0
031	10/12/2022 12:30	0	0

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22/10/13 11:17

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/13/2022 11:17
End	10/13/2022 11:27
Sample Period(s)	60
Number of Records	10

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/12/2022 9:29
Peak	0.3
Min	0.2

Average0.2

Datalog		PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
Index	Date/Time	(Min)	(Avg)	(Max)	(Real)
001	10/13/2022 11:18		0	0.2	0.2
002	10/13/2022 11:19		0.2	0.2	0.2
003	10/13/2022 11:20		0.2	0.2	0.2
004	10/13/2022 11:21		0.2	0.2	0.2
005	10/13/2022 11:22		0.2	0.2	0.2
006	10/13/2022 11:23		0.2	0.2	0.3
007	10/13/2022 11:24		0.2	0.2	0.3
008	10/13/2022 11:25		0.2	0.3	0.3
009	10/13/2022 11:26		0.3	0.3	0.3
010	10/13/2022 11:27		0.3	0.3	0.3
Peak			0.3	0.3	0.3
Min			0	0.2	0.2
Average			0.2	0.2	0.3

TWA/STEL		PID(ppm)	PID(ppm)
Index	Date/Time	(TWA)	(STEL)
001	10/13/2022 11:18	0 ---	
002	10/13/2022 11:19	0 ---	
003	10/13/2022 11:20	0 ---	
004	10/13/2022 11:21	0 ---	
005	10/13/2022 11:22	0 ---	
006	10/13/2022 11:23	0 ---	
007	10/13/2022 11:24	0 ---	
008	10/13/2022 11:25	0 ---	
009	10/13/2022 11:26	0 ---	
010	10/13/2022 11:27	0 ---	

=====
22/10/14 11:55

Summary	
Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	00000001
User ID	00000001
Begin	10/14/2022 11:55
End	10/14/2022 11:55
Sample Period(s)	60
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/12/2022 9:29

Datalog	
0 record.	
===== 22/10/14 13:18 *****	
Summary	
Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	00000001
User ID	00000001
Begin	10/14/2022 13:18
End	10/14/2022 13:18
Sample Period(s)	60
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100

Span 2

1000

Low Alarm

50

High Alarm

100

Over Alarm

15000

STEL Alarm

25

TWA Alarm

10

Measurement Gas

Isobutylene

Calibration Time

10/12/2022 9:29

Datalog

0 record.

=====

22/10/19 09:28

Summary

Unit Name

MiniRAE 3000(PGM-7320)

Unit SN

592-908186

Unit Firmware Ver

V2.22A

Running Mode

Hygiene Mode

Datalog Mode

Auto

Diagnostic Mode

No

Stop Reason

Pause in Menu Mode

Site ID

00000001

User ID

00000001

Begin

10/19/2022 9:28

End

10/19/2022 9:29

Sample Period(s)

60

Number of Records

1

Sensor

PID(ppm)

Sensor SN

S023030091S5

Measure Type

Min; Avg; Max; Real

Span

100

Span 2

1000

Low Alarm

50

High Alarm

100

Over Alarm

15000

STEL Alarm

25

TWA Alarm

10

Measurement Gas

Isobutylene

Calibration Time

10/12/2022 9:29

Peak

0

Min

0

Average

0

Datalog

		PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
Index	Date/Time	(Min)	(Avg)	(Max)	(Real)
001	10/19/2022 9:29	0	0	0	0
Peak		0	0	0	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

		PID(ppm)	PID(ppm)
Index	Date/Time	(TWA)	(STEL)
001	10/19/2022 9:29	0	---

=====

22/10/19 09:32

Summary

Unit Name

MiniRAE 3000(PGM-7320)

Unit SN

592-908186

Unit Firmware Ver

V2.22A

Running Mode

Hygiene Mode

Datalog Mode

Auto

Diagnostic Mode

No

Stop Reason

Power Down

Site ID

00000001

User ID

00000001

Begin

10/19/2022 9:32

End

10/19/2022 12:23

Sample Period(s)

60

Number of Records

170

Sensor

PID(ppm)

Sensor SN

S023030091S5

Measure Type

Min; Avg; Max; Real

Span

100

Span 2

1000

Low Alarm

50

High Alarm

100

Over Alarm

15000

STEL Alarm

25

TWA Alarm

10

Measurement Gas

Isobutylene

Calibration Time

10/19/2022 9:31

Peak0.1

Min0

Average0.1

Datalog

Index	Date/Time	PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
		(Min)	(Avg)	(Max)	(Real)
001	10/19/2022 9:33	0	0	0.1	0
002	10/19/2022 9:34	0	0	0	0
003	10/19/2022 9:35	0	0	0	0
004	10/19/2022 9:36	0	0	0	0
005	10/19/2022 9:37	0	0	0	0
006	10/19/2022 9:38	0	0	0	0
007	10/19/2022 9:39	0	0	0.1	0.1
008	10/19/2022 9:40	0	0.1	0.1	0
009	10/19/2022 9:41	0	0	0.1	0
010	10/19/2022 9:42	0	0	0.1	0
011	10/19/2022 9:43	0	0	0.1	0
012	10/19/2022 9:44	0	0	0	0
013	10/19/2022 9:45	0	0	0	0
014	10/19/2022 9:46	0	0	0	0
015	10/19/2022 9:47	0	0	0	0
016	10/19/2022 9:48	0	0	0	0
017	10/19/2022 9:49	0	0	0	0
018	10/19/2022 9:50	0	0	0	0
019	10/19/2022 9:51	0	0	0	0
020	10/19/2022 9:52	0	0	0	0
021	10/19/2022 9:53	0	0	0	0
022	10/19/2022 9:54	0	0	0	0
023	10/19/2022 9:55	0	0	0	0
024	10/19/2022 9:56	0	0	0	0
025	10/19/2022 9:57	0	0	0	0
026	10/19/2022 9:58	0	0	0	0
027	10/19/2022 9:59	0	0	0	0
028	10/19/2022 10:00	0	0	0	0
029	10/19/2022 10:01	0	0	0	0
030	10/19/2022 10:02	0	0	0	0
031	10/19/2022 10:03	0	0	0	0
032	10/19/2022 10:04	0	0	0	0
033	10/19/2022 10:05	0	0	0	0
034	10/19/2022 10:06	0	0	0	0
035	10/19/2022 10:07	0	0	0	0
036	10/19/2022 10:08	0	0	0	0
037	10/19/2022 10:09	0	0	0	0
038	10/19/2022 10:10	0	0	0	0
039	10/19/2022 10:11	0	0	0	0
040	10/19/2022 10:12	0	0	0	0
041	10/19/2022 10:13	0	0	0.1	0
042	10/19/2022 10:14	0	0	0	0
043	10/19/2022 10:15	0	0	0	0
044	10/19/2022 10:16	0	0	0	0
045	10/19/2022 10:17	0	0	0.1	0
046	10/19/2022 10:18	0	0.1	0.1	0.1
047	10/19/2022 10:19	0	0.1	0.1	0.1
048	10/19/2022 10:20	0	0.1	0.1	0.1
049	10/19/2022 10:21	0	0.1	0.1	0.1
050	10/19/2022 10:22	0	0.1	0.1	0.1
051	10/19/2022 10:23	0.1	0.1	0.1	0.1
052	10/19/2022 10:24	0.1	0.1	0.1	0.1
053	10/19/2022 10:25	0.1	0.1	0.1	0.1
054	10/19/2022 10:26	0.1	0.1	0.1	0.1
055	10/19/2022 10:27	0.1	0.1	0.1	0.1
056	10/19/2022 10:28	0.1	0.1	0.1	0.1
057	10/19/2022 10:29	0.1	0.1	0.1	0.1
058	10/19/2022 10:30	0.1	0.1	0.1	0.1
059	10/19/2022 10:31	0.1	0.1	0.1	0.1
060	10/19/2022 10:32	0.1	0.1	0.1	0.1
061	10/19/2022 10:33	0.1	0.1	0.1	0.1
062	10/19/2022 10:34	0.1	0.1	0.1	0.1
063	10/19/2022 10:35	0.1	0.1	0.1	0.1
064	10/19/2022 10:36	0.1	0.1	0.1	0.1
065	10/19/2022 10:37	0.1	0.1	0.1	0.1
066	10/19/2022 10:38	0.1	0.1	0.1	0.1
067	10/19/2022 10:39	0.1	0.1	0.1	0.1
068	10/19/2022 10:40	0.1	0.1	0.1	0.1
069	10/19/2022 10:41	0.1	0.1	0.1	0.1
070	10/19/2022 10:42	0.1	0.1	0.1	0.1
071	10/19/2022 10:43	0.1	0.1	0.1	0.1
072	10/19/2022 10:44	0.1	0.1	0.1	0.1
073	10/19/2022 10:45	0.1	0.1	0.1	0.1
074	10/19/2022 10:46	0.1	0.1	0.1	0.1
075	10/19/2022 10:47	0.1	0.1	0.1	0.1
076	10/19/2022 10:48	0.1	0.1	0.1	0.1
077	10/19/2022 10:49	0.1	0.1	0.1	0.1
078	10/19/2022 10:50	0.1	0.1	0.1	0.1
079	10/19/2022 10:51	0.1	0.1	0.1	0.1
080	10/19/2022 10:52	0.1	0.1	0.1	0.1
081	10/19/2022 10:53	0.1	0.1	0.1	0.1
082	10/19/2022 10:54	0.1	0.1	0.1	0.1
083	10/19/2022 10:55	0.1	0.1	0.1	0.1
084	10/19/2022 10:56	0.1	0.1	0.1	0.1
085	10/19/2022 10:57	0.1	0.1	0.1	0.1
086	10/19/2022 10:58	0.1	0.1	0.1	0.1
087	10/19/2022 10:59	0.1	0.1	0.1	0.1
088	10/19/2022 11:00	0.1	0.1	0.1	0.1
089	10/19/2022 11:01	0.1	0.1	0.1	0.1
090	10/19/2022 11:02	0.1	0.1	0.1	0.1
091	10/19/2022 11:03	0.1	0.1	0.1	0.1
092	10/19/2022 11:04	0.1	0.1	0.1	0.1

093		10/19/2022 11:05	0.1	0.1	0.1	0.1
094		10/19/2022 11:06	0.1	0.1	0.1	0.1
095		10/19/2022 11:07	0.1	0.1	0.1	0.1
096		10/19/2022 11:08	0.1	0.1	0.1	0.1
097		10/19/2022 11:09	0.1	0.1	0.1	0.1
098		10/19/2022 11:10	0.1	0.1	0.1	0.1
099		10/19/2022 11:11	0.1	0.1	0.1	0.1
	100	10/19/2022 11:12	0.1	0.1	0.1	0.1
	101	10/19/2022 11:13	0.1	0.1	0.1	0.1
	102	10/19/2022 11:14	0.1	0.1	0.1	0.1
	103	10/19/2022 11:15	0.1	0.1	0.1	0.1
	104	10/19/2022 11:16	0.1	0.1	0.1	0.1
	105	10/19/2022 11:17	0.1	0.1	0.1	0.1
	106	10/19/2022 11:18	0.1	0.1	0.1	0.1
	107	10/19/2022 11:19	0.1	0.1	0.1	0.1
	108	10/19/2022 11:20	0.1	0.1	0.1	0.1
	109	10/19/2022 11:21	0.1	0.1	0.1	0.1
	110	10/19/2022 11:22	0.1	0.1	0.1	0.1
	111	10/19/2022 11:23	0.1	0.1	0.1	0.1
	112	10/19/2022 11:24	0.1	0.1	0.1	0.1
	113	10/19/2022 11:25	0.1	0.1	0.1	0.1
	114	10/19/2022 11:26	0.1	0.1	0.1	0.1
	115	10/19/2022 11:27	0.1	0.1	0.1	0.1
	116	10/19/2022 11:28	0.1	0.1	0.1	0.1
	117	10/19/2022 11:29	0.1	0.1	0.1	0.1
	118	10/19/2022 11:30	0.1	0.1	0.1	0.1
	119	10/19/2022 11:31	0.1	0.1	0.1	0.1
	120	10/19/2022 11:32	0.1	0.1	0.1	0.1
	121	10/19/2022 11:33	0.1	0.1	0.1	0.1
	122	10/19/2022 11:34	0.1	0.1	0.1	0.1
	123	10/19/2022 11:35	0.1	0.1	0.1	0.1
	124	10/19/2022 11:36	0.1	0.1	0.1	0.1
	125	10/19/2022 11:37	0.1	0.1	0.1	0.1
	126	10/19/2022 11:38	0.1	0.1	0.1	0.1
	127	10/19/2022 11:39	0.1	0.1	0.1	0.1
	128	10/19/2022 11:40	0.1	0.1	0.1	0.1
	129	10/19/2022 11:41	0.1	0.1	0.1	0.1
	130	10/19/2022 11:42	0.1	0.1	0.1	0.1
	131	10/19/2022 11:43	0.1	0.1	0.1	0.1
	132	10/19/2022 11:44	0.1	0.1	0.1	0.1
	133	10/19/2022 11:45	0.1	0.1	0.1	0.1
	134	10/19/2022 11:46	0.1	0.1	0.1	0.1
	135	10/19/2022 11:47	0.1	0.1	0.1	0.1
	136	10/19/2022 11:48	0.1	0.1	0.1	0.1
	137	10/19/2022 11:49	0.1	0.1	0.1	0.1
	138	10/19/2022 11:50	0.1	0.1	0.1	0.1
	139	10/19/2022 11:51	0.1	0.1	0.1	0.1
	140	10/19/2022 11:52	0.1	0.1	0.1	0.1
	141	10/19/2022 11:53	0.1	0.1	0.1	0.1
	142	10/19/2022 11:54	0.1	0.1	0.1	0.1
	143	10/19/2022 11:55	0.1	0.1	0.1	0.1
	144	10/19/2022 11:56	0.1	0.1	0.1	0.1
	145	10/19/2022 11:57	0.1	0.1	0.1	0.1
	146	10/19/2022 11:58	0.1	0.1	0.1	0.1
	147	10/19/2022 11:59	0.1	0.1	0.1	0.1
	148	10/19/2022 12:00	0.1	0.1	0.1	0.1
	149	10/19/2022 12:01	0.1	0.1	0.1	0.1
	150	10/19/2022 12:02	0.1	0.1	0.1	0.1
	151	10/19/2022 12:03	0.1	0.1	0.1	0.1
	152	10/19/2022 12:04	0.1	0.1	0.1	0.1
	153	10/19/2022 12:05	0.1	0.1	0.1	0.1
	154	10/19/2022 12:06	0.1	0.1	0.1	0.1
	155	10/19/2022 12:07	0.1	0.1	0.1	0.1
	156	10/19/2022 12:08	0.1	0.1	0.1	0.1
	157	10/19/2022 12:09	0.1	0.1	0.1	0.1
	158	10/19/2022 12:10	0.1	0.1	0.1	0.1
	159	10/19/2022 12:11	0.1	0.1	0.1	0.1
	160	10/19/2022 12:12	0.1	0.1	0.1	0.1
	161	10/19/2022 12:13	0.1	0.1	0.1	0.1
	162	10/19/2022 12:14	0.1	0.1	0.1	0.1
	163	10/19/2022 12:15	0.1	0.1	0.1	0.1
	164	10/19/2022 12:16	0.1	0.1	0.1	0.1
	165	10/19/2022 12:17	0.1	0.1	0.1	0.1
	166	10/19/2022 12:18	0.1	0.1	0.1	0.1
	167	10/19/2022 12:19	0.1	0.1	0.1	0.1
	168	10/19/2022 12:20	0.1	0.1	0.1	0.1
	169	10/19/2022 12:21	0.1	0.1	0.1	0.1
	170	10/19/2022 12:22	0.1	0.1	0.1	0.1
Peak			0.1	0.1	0.1	0.1
Min			0	0	0	0
Average			0.1	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/19/2022 9:33	0	---
002	10/19/2022 9:34	0	---
003	10/19/2022 9:35	0	---
004	10/19/2022 9:36	0	---
005	10/19/2022 9:37	0	---
006	10/19/2022 9:38	0	---
007	10/19/2022 9:39	0	---
008	10/19/2022 9:40	0	---
009	10/19/2022 9:41	0	---
010	10/19/2022 9:42	0	---
011	10/19/2022 9:43	0	---
012	10/19/2022 9:44	0	---
013	10/19/2022 9:45	0	---
014	10/19/2022 9:46	0	---

015		10/19/2022 9:47	0	0
016		10/19/2022 9:48	0	0
017		10/19/2022 9:49	0	0
018		10/19/2022 9:50	0	0
019		10/19/2022 9:51	0	0
020		10/19/2022 9:52	0	0
021		10/19/2022 9:53	0	0
022		10/19/2022 9:54	0	0
023		10/19/2022 9:55	0	0
024		10/19/2022 9:56	0	0
025		10/19/2022 9:57	0	0
026		10/19/2022 9:58	0	0
027		10/19/2022 9:59	0	0
028		10/19/2022 10:00	0	0
029		10/19/2022 10:01	0	0
030		10/19/2022 10:02	0	0
031		10/19/2022 10:03	0	0
032		10/19/2022 10:04	0	0
033		10/19/2022 10:05	0	0
034		10/19/2022 10:06	0	0
035		10/19/2022 10:07	0	0
036		10/19/2022 10:08	0	0
037		10/19/2022 10:09	0	0
038		10/19/2022 10:10	0	0
039		10/19/2022 10:11	0	0
040		10/19/2022 10:12	0	0
041		10/19/2022 10:13	0	0
042		10/19/2022 10:14	0	0
043		10/19/2022 10:15	0	0
044		10/19/2022 10:16	0	0
045		10/19/2022 10:17	0	0
046		10/19/2022 10:18	0	0
047		10/19/2022 10:19	0	0
048		10/19/2022 10:20	0	0
049		10/19/2022 10:21	0	0
050		10/19/2022 10:22	0	0
051		10/19/2022 10:23	0	0
052		10/19/2022 10:24	0	0
053		10/19/2022 10:25	0	0.1
054		10/19/2022 10:26	0	0.1
055		10/19/2022 10:27	0	0.1
056		10/19/2022 10:28	0	0.1
057		10/19/2022 10:29	0	0.1
058		10/19/2022 10:30	0	0.1
059		10/19/2022 10:31	0	0.1
060		10/19/2022 10:32	0	0.1
061		10/19/2022 10:33	0	0.1
062		10/19/2022 10:34	0	0.1
063		10/19/2022 10:35	0	0.1
064		10/19/2022 10:36	0	0.1
065		10/19/2022 10:37	0	0.1
066		10/19/2022 10:38	0	0.1
067		10/19/2022 10:39	0	0.1
068		10/19/2022 10:40	0	0.1
069		10/19/2022 10:41	0	0.1
070		10/19/2022 10:42	0	0.1
071		10/19/2022 10:43	0	0.1
072		10/19/2022 10:44	0	0.1
073		10/19/2022 10:45	0	0.1
074		10/19/2022 10:46	0	0.1
075		10/19/2022 10:47	0	0.1
076		10/19/2022 10:48	0	0.1
077		10/19/2022 10:49	0	0.1
078		10/19/2022 10:50	0	0.1
079		10/19/2022 10:51	0	0.1
080		10/19/2022 10:52	0	0.1
081		10/19/2022 10:53	0	0.1
082		10/19/2022 10:54	0	0.1
083		10/19/2022 10:55	0	0.1
084		10/19/2022 10:56	0	0.1
085		10/19/2022 10:57	0	0.1
086		10/19/2022 10:58	0	0.1
087		10/19/2022 10:59	0	0.1
088		10/19/2022 11:00	0	0.1
089		10/19/2022 11:01	0	0.1
090		10/19/2022 11:02	0	0.1
091		10/19/2022 11:03	0	0.1
092		10/19/2022 11:04	0	0.1
093		10/19/2022 11:05	0	0.1
094		10/19/2022 11:06	0	0.1
095		10/19/2022 11:07	0	0.1
096		10/19/2022 11:08	0	0.1
097		10/19/2022 11:09	0	0.1
098		10/19/2022 11:10	0	0.1
099		10/19/2022 11:11	0	0.1
	100	10/19/2022 11:12	0	0.1
	101	10/19/2022 11:13	0	0.1
	102	10/19/2022 11:14	0	0.1
	103	10/19/2022 11:15	0	0.1
	104	10/19/2022 11:16	0	0.1
	105	10/19/2022 11:17	0	0.1
	106	10/19/2022 11:18	0	0.1
	107	10/19/2022 11:19	0	0.1
	108	10/19/2022 11:20	0	0.1
	109	10/19/2022 11:21	0	0.1
	110	10/19/2022 11:22	0	0.1
	111	10/19/2022 11:23	0	0.1
	112	10/19/2022 11:24	0	0.1
	113	10/19/2022 11:25	0	0.1
	114	10/19/2022 11:26	0	0.1

115	10/19/2022 11:27	0	0.1
116	10/19/2022 11:28	0	0.1
117	10/19/2022 11:29	0	0.1
118	10/19/2022 11:30	0	0.1
119	10/19/2022 11:31	0	0.1
120	10/19/2022 11:32	0	0.1
121	10/19/2022 11:33	0	0.1
122	10/19/2022 11:34	0	0.1
123	10/19/2022 11:35	0	0.1
124	10/19/2022 11:36	0	0.1
125	10/19/2022 11:37	0	0.1
126	10/19/2022 11:38	0	0.1
127	10/19/2022 11:39	0	0.1
128	10/19/2022 11:40	0	0.1
129	10/19/2022 11:41	0	0.1
130	10/19/2022 11:42	0	0.1
131	10/19/2022 11:43	0	0.1
132	10/19/2022 11:44	0	0.1
133	10/19/2022 11:45	0	0.1
134	10/19/2022 11:46	0	0.1
135	10/19/2022 11:47	0	0.1
136	10/19/2022 11:48	0	0.1
137	10/19/2022 11:49	0	0.1
138	10/19/2022 11:50	0	0.1
139	10/19/2022 11:51	0	0.1
140	10/19/2022 11:52	0	0.1
141	10/19/2022 11:53	0	0.1
142	10/19/2022 11:54	0	0.1
143	10/19/2022 11:55	0	0.1
144	10/19/2022 11:56	0	0.1
145	10/19/2022 11:57	0	0.1
146	10/19/2022 11:58	0	0.1
147	10/19/2022 11:59	0	0.1
148	10/19/2022 12:00	0	0.1
149	10/19/2022 12:01	0	0.1
150	10/19/2022 12:02	0	0.1
151	10/19/2022 12:03	0	0.1
152	10/19/2022 12:04	0	0.1
153	10/19/2022 12:05	0	0.1
154	10/19/2022 12:06	0	0.1
155	10/19/2022 12:07	0	0.1
156	10/19/2022 12:08	0	0.1
157	10/19/2022 12:09	0	0.1
158	10/19/2022 12:10	0	0.1
159	10/19/2022 12:11	0	0.1
160	10/19/2022 12:12	0	0.1
161	10/19/2022 12:13	0	0.1
162	10/19/2022 12:14	0	0.1
163	10/19/2022 12:15	0	0.1
164	10/19/2022 12:16	0	0.1
165	10/19/2022 12:17	0	0.1
166	10/19/2022 12:18	0	0.1
167	10/19/2022 12:19	0	0.1
168	10/19/2022 12:20	0	0.1
169	10/19/2022 12:21	0	0.1
170	10/19/2022 12:22	0	0.1

=====
22/10/20 13:50

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	00000001
User ID	00000001

Begin	10/20/2022 13:50
End	10/20/2022 13:51
Sample Period(s)	60
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/19/2022 9:31

Datalog

0 record.

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22/10/20 13:54

Summary

063		10/20/2022 14:57	0	0	0	0
064		10/20/2022 14:58	0	0	0	0
065		10/20/2022 14:59	0	0	0	0
066		10/20/2022 15:00	0	0	0.1	0
067		10/20/2022 15:01	0	0	0	0
068		10/20/2022 15:02	0	0	0	0
069		10/20/2022 15:03	0	0	0	0
070		10/20/2022 15:04	0	0	0	0
071		10/20/2022 15:05	0	0	0	0
072		10/20/2022 15:06	0	0	0	0
073		10/20/2022 15:07	0	0	0	0
074		10/20/2022 15:08	0	0	0	0
075		10/20/2022 15:09	0	0	0	0
076		10/20/2022 15:10	0	0	0	0
077		10/20/2022 15:11	0	0	0	0
078		10/20/2022 15:12	0	0	0	0
079		10/20/2022 15:13	0	0	0	0
080		10/20/2022 15:14	0	0.1	0.1	0.1
081		10/20/2022 15:15	0.1	0.1	0.1	0.1
082		10/20/2022 15:16	0.1	0.1	0.1	0.1
083		10/20/2022 15:17	0	0.1	0.1	0
084		10/20/2022 15:18	0	0	0	0
085		10/20/2022 15:19	0	0.1	0.1	0
086		10/20/2022 15:20	0	0	0	0
087		10/20/2022 15:21	0	0	0	0
088		10/20/2022 15:22	0	0	0	0
089		10/20/2022 15:23	0	0	0.1	0
090		10/20/2022 15:24	0	0	0	0
091		10/20/2022 15:25	0	0	0	0
092		10/20/2022 15:26	0	0	0	0
093		10/20/2022 15:27	0	0.1	0.2	0.1
094		10/20/2022 15:28	0.1	0.1	0.2	0.1
095		10/20/2022 15:29	0	0.1	0.1	0
096		10/20/2022 15:30	0	0	0	0
097		10/20/2022 15:31	0	0	0	0
098		10/20/2022 15:32	0	0	0	0
099		10/20/2022 15:33	0	0	0	0
	100	10/20/2022 15:34	0	0	0	0
	101	10/20/2022 15:35	0	0	0	0
	102	10/20/2022 15:36	0	0	0	0
	103	10/20/2022 15:37	0	0	0.1	0
	104	10/20/2022 15:38	0	0	0	0
	105	10/20/2022 15:39	0	0	0	0
	106	10/20/2022 15:40	0	0	0	0
	107	10/20/2022 15:41	0	0	0	0
	108	10/20/2022 15:42	0	0	0	0
	109	10/20/2022 15:43	0	0	0	0
	110	10/20/2022 15:44	0	0	0.1	0
	111	10/20/2022 15:45	0	0	0	0
	112	10/20/2022 15:46	0	0	0	0
	113	10/20/2022 15:47	0	0	0.1	0
	114	10/20/2022 15:48	0	0	0.1	0.1
	115	10/20/2022 15:49	0	0.1	0.1	0.1
	116	10/20/2022 15:50	0.1	0.1	0.1	0.1
	117	10/20/2022 15:51	0.1	0.1	0.1	0.1
	118	10/20/2022 15:52	0.1	0.1	0.1	0.1
Peak			0.1	0.1	0.2	0.1
Min			0	0	0	0
Average			0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/20/2022 13:55	0	---
002	10/20/2022 13:56	0	---
003	10/20/2022 13:57	0	---
004	10/20/2022 13:58	0	---
005	10/20/2022 13:59	0	---
006	10/20/2022 14:00	0	---
007	10/20/2022 14:01	0	---
008	10/20/2022 14:02	0	---
009	10/20/2022 14:03	0	---
010	10/20/2022 14:04	0	---
011	10/20/2022 14:05	0	---
012	10/20/2022 14:06	0	---
013	10/20/2022 14:07	0	---
014	10/20/2022 14:08	0	---
015	10/20/2022 14:09	0	0
016	10/20/2022 14:10	0	0
017	10/20/2022 14:11	0	0
018	10/20/2022 14:12	0	0
019	10/20/2022 14:13	0	0
020	10/20/2022 14:14	0	0
021	10/20/2022 14:15	0	0
022	10/20/2022 14:16	0	0
023	10/20/2022 14:17	0	0
024	10/20/2022 14:18	0	0
025	10/20/2022 14:19	0	0
026	10/20/2022 14:20	0	0
027	10/20/2022 14:21	0	0
028	10/20/2022 14:22	0	0
029	10/20/2022 14:23	0	0
030	10/20/2022 14:24	0	0
031	10/20/2022 14:25	0	0
032	10/20/2022 14:26	0	0
033	10/20/2022 14:27	0	0
034	10/20/2022 14:28	0	0
035	10/20/2022 14:29	0	0
036	10/20/2022 14:30	0	0

037		10/20/2022 14:31	0	0
038		10/20/2022 14:32	0	0
039		10/20/2022 14:33	0	0
040		10/20/2022 14:34	0	0
041		10/20/2022 14:35	0	0
042		10/20/2022 14:36	0	0
043		10/20/2022 14:37	0	0
044		10/20/2022 14:38	0	0
045		10/20/2022 14:39	0	0
046		10/20/2022 14:40	0	0
047		10/20/2022 14:41	0	0
048		10/20/2022 14:42	0	0
049		10/20/2022 14:43	0	0
050		10/20/2022 14:44	0	0
051		10/20/2022 14:45	0	0
052		10/20/2022 14:46	0	0
053		10/20/2022 14:47	0	0
054		10/20/2022 14:48	0	0
055		10/20/2022 14:49	0	0
056		10/20/2022 14:50	0	0
057		10/20/2022 14:51	0	0
058		10/20/2022 14:52	0	0
059		10/20/2022 14:53	0	0
060		10/20/2022 14:54	0	0
061		10/20/2022 14:55	0	0
062		10/20/2022 14:56	0	0
063		10/20/2022 14:57	0	0
064		10/20/2022 14:58	0	0
065		10/20/2022 14:59	0	0
066		10/20/2022 15:00	0	0
067		10/20/2022 15:01	0	0
068		10/20/2022 15:02	0	0
069		10/20/2022 15:03	0	0
070		10/20/2022 15:04	0	0
071		10/20/2022 15:05	0	0
072		10/20/2022 15:06	0	0
073		10/20/2022 15:07	0	0
074		10/20/2022 15:08	0	0
075		10/20/2022 15:09	0	0
076		10/20/2022 15:10	0	0
077		10/20/2022 15:11	0	0
078		10/20/2022 15:12	0	0
079		10/20/2022 15:13	0	0
080		10/20/2022 15:14	0	0
081		10/20/2022 15:15	0	0
082		10/20/2022 15:16	0	0
083		10/20/2022 15:17	0	0
084		10/20/2022 15:18	0	0
085		10/20/2022 15:19	0	0
086		10/20/2022 15:20	0	0
087		10/20/2022 15:21	0	0
088		10/20/2022 15:22	0	0
089		10/20/2022 15:23	0	0
090		10/20/2022 15:24	0	0
091		10/20/2022 15:25	0	0
092		10/20/2022 15:26	0	0
093		10/20/2022 15:27	0	0
094		10/20/2022 15:28	0	0
095		10/20/2022 15:29	0	0
096		10/20/2022 15:30	0	0
097		10/20/2022 15:31	0	0
098		10/20/2022 15:32	0	0
099		10/20/2022 15:33	0	0
	100	10/20/2022 15:34	0	0
	101	10/20/2022 15:35	0	0
	102	10/20/2022 15:36	0	0
	103	10/20/2022 15:37	0	0
	104	10/20/2022 15:38	0	0
	105	10/20/2022 15:39	0	0
	106	10/20/2022 15:40	0	0
	107	10/20/2022 15:41	0	0
	108	10/20/2022 15:42	0	0
	109	10/20/2022 15:43	0	0
	110	10/20/2022 15:44	0	0
	111	10/20/2022 15:45	0	0
	112	10/20/2022 15:46	0	0
	113	10/20/2022 15:47	0	0
	114	10/20/2022 15:48	0	0
	115	10/20/2022 15:49	0	0
	116	10/20/2022 15:50	0	0
	117	10/20/2022 15:51	0	0
	118	10/20/2022 15:52	0	0

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22/10/24 12:01

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	00000001
User ID	00000001

Begin 10/24/2022 12:01

End

10/24/2022 12:01

Sample Period(s)

60

Number of Records

0

Sensor

PID(ppm)

Sensor SN

S023030091S5

Measure Type

Min; Avg; Max; Real

Span

100

Span 2

1000

Low Alarm

50

High Alarm

100

Over Alarm

15000

STEL Alarm

25

TWA Alarm

10

Measurement Gas

Isobutylene

Calibration Time

10/20/2022 13:53

Datalog

0 record.

=====

22/10/24 12:05

Summary

Unit Name

MiniRAE 3000(PGM-7320)

Unit SN

592-908186

Unit Firmware Ver

V2.22A

Running Mode

Hygiene Mode

Datalog Mode

Auto

Diagnostic Mode

No

Stop Reason

Power Down

Site ID

00000001

User ID

00000001

Begin

10/24/2022 12:05

End

10/24/2022 12:43

Sample Period(s)

60

Number of Records

37

Sensor

PID(ppm)

Sensor SN

S023030091S5

Measure Type

Min; Avg; Max; Real

Span

100

Span 2

1000

Low Alarm

50

High Alarm

100

Over Alarm

15000

STEL Alarm

25

TWA Alarm

10

Measurement Gas

Isobutylene

Calibration Time

10/24/2022 12:05

Peak

0

Min

0

Average

0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/24/2022 12:06	0	0.1	0.2	0
002	10/24/2022 12:07	0	0	0	0
003	10/24/2022 12:08	0	0	0	0
004	10/24/2022 12:09	0	0	0	0
005	10/24/2022 12:10	0	0	0	0
006	10/24/2022 12:11	0	0	0	0
007	10/24/2022 12:12	0	0	0	0
008	10/24/2022 12:13	0	0	0	0
009	10/24/2022 12:14	0	0	0	0
010	10/24/2022 12:15	0	0	0	0
011	10/24/2022 12:16	0	0	0	0
012	10/24/2022 12:17	0	0	0	0
013	10/24/2022 12:18	0	0	0	0
014	10/24/2022 12:19	0	0	0	0
015	10/24/2022 12:20	0	0	0	0
016	10/24/2022 12:21	0	0	0	0
017	10/24/2022 12:22	0	0	0	0
018	10/24/2022 12:23	0	0	0	0
019	10/24/2022 12:24	0	0	0	0
020	10/24/2022 12:25	0	0	0	0
021	10/24/2022 12:26	0	0	0	0
022	10/24/2022 12:27	0	0	0	0
023	10/24/2022 12:28	0	0	0	0
024	10/24/2022 12:29	0	0	0	0
025	10/24/2022 12:30	0	0	0	0
026	10/24/2022 12:31	0	0	0	0
027	10/24/2022 12:32	0	0	0	0
028	10/24/2022 12:33	0	0	0	0
029	10/24/2022 12:34	0	0	0	0
030	10/24/2022 12:35	0	0	0	0
031	10/24/2022 12:36	0	0	0	0
032	10/24/2022 12:37	0	0	0	0
033	10/24/2022 12:38	0	0	0	0
034	10/24/2022 12:39	0	0	0	0
035	10/24/2022 12:40	0	0	0	0
036	10/24/2022 12:41	0	0	0	0

037	10/24/2022 12:42	0	0	0	0
Peak		0	0.1	0.2	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/24/2022 12:06	0 ---	
002	10/24/2022 12:07	0 ---	
003	10/24/2022 12:08	0 ---	
004	10/24/2022 12:09	0 ---	
005	10/24/2022 12:10	0 ---	
006	10/24/2022 12:11	0 ---	
007	10/24/2022 12:12	0 ---	
008	10/24/2022 12:13	0 ---	
009	10/24/2022 12:14	0 ---	
010	10/24/2022 12:15	0 ---	
011	10/24/2022 12:16	0 ---	
012	10/24/2022 12:17	0 ---	
013	10/24/2022 12:18	0 ---	
014	10/24/2022 12:19	0 ---	
015	10/24/2022 12:20	0	0
016	10/24/2022 12:21	0	0
017	10/24/2022 12:22	0	0
018	10/24/2022 12:23	0	0
019	10/24/2022 12:24	0	0
020	10/24/2022 12:25	0	0
021	10/24/2022 12:26	0	0
022	10/24/2022 12:27	0	0
023	10/24/2022 12:28	0	0
024	10/24/2022 12:29	0	0
025	10/24/2022 12:30	0	0
026	10/24/2022 12:31	0	0
027	10/24/2022 12:32	0	0
028	10/24/2022 12:33	0	0
029	10/24/2022 12:34	0	0
030	10/24/2022 12:35	0	0
031	10/24/2022 12:36	0	0
032	10/24/2022 12:37	0	0
033	10/24/2022 12:38	0	0
034	10/24/2022 12:39	0	0
035	10/24/2022 12:40	0	0
036	10/24/2022 12:41	0	0
037	10/24/2022 12:42	0	0

=====
22/10/24 14:05

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/24/2022 14:05
End	10/24/2022 16:29
Sample Period(s)	60
Number of Records	143

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/24/2022 12:05
Peak	0.1
Min	0
Average	0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/24/2022 14:06	0	0	0	0
002	10/24/2022 14:07	0	0	0	0
003	10/24/2022 14:08	0	0	0	0
004	10/24/2022 14:09	0	0	0	0
005	10/24/2022 14:10	0	0	0	0
006	10/24/2022 14:11	0	0	0	0
007	10/24/2022 14:12	0	0	0	0
008	10/24/2022 14:13	0	0	0	0
009	10/24/2022 14:14	0	0	0	0
010	10/24/2022 14:15	0	0	0	0
011	10/24/2022 14:16	0	0	0	0
012	10/24/2022 14:17	0	0	0	0

013		10/24/2022 14:18	0	0	0	0
014		10/24/2022 14:19	0	0	0	0
015		10/24/2022 14:20	0	0	0	0
016		10/24/2022 14:21	0	0	0	0
017		10/24/2022 14:22	0	0	0	0
018		10/24/2022 14:23	0	0	0	0
019		10/24/2022 14:24	0	0	0	0
020		10/24/2022 14:25	0	0	0	0
021		10/24/2022 14:26	0	0	0	0
022		10/24/2022 14:27	0	0	0	0
023		10/24/2022 14:28	0	0	0	0
024		10/24/2022 14:29	0	0	0	0
025		10/24/2022 14:30	0	0	0	0
026		10/24/2022 14:31	0	0	0	0
027		10/24/2022 14:32	0	0	0	0
028		10/24/2022 14:33	0	0	0	0
029		10/24/2022 14:34	0	0	0	0
030		10/24/2022 14:35	0	0	0	0
031		10/24/2022 14:36	0	0	0	0
032		10/24/2022 14:37	0	0	0	0
033		10/24/2022 14:38	0	0	0	0
034		10/24/2022 14:39	0	0	0	0
035		10/24/2022 14:40	0	0	0	0
036		10/24/2022 14:41	0	0	0	0
037		10/24/2022 14:42	0	0	0	0
038		10/24/2022 14:43	0	0	0	0
039		10/24/2022 14:44	0	0	0	0
040		10/24/2022 14:45	0	0	0	0
041		10/24/2022 14:46	0	0	0	0
042		10/24/2022 14:47	0	0	0	0
043		10/24/2022 14:48	0	0	0	0
044		10/24/2022 14:49	0	0	0	0
045		10/24/2022 14:50	0	0	0	0
046		10/24/2022 14:51	0	0	0	0
047		10/24/2022 14:52	0	0	0	0
048		10/24/2022 14:53	0	0	0	0
049		10/24/2022 14:54	0	0	0	0
050		10/24/2022 14:55	0	0	0	0
051		10/24/2022 14:56	0	0	0	0
052		10/24/2022 14:57	0	0	0	0
053		10/24/2022 14:58	0	0	0	0
054		10/24/2022 14:59	0	0	0	0
055		10/24/2022 15:00	0	0	0	0
056		10/24/2022 15:01	0	0	0	0
057		10/24/2022 15:02	0	0	0	0
058		10/24/2022 15:03	0	0	0	0
059		10/24/2022 15:04	0	0	0	0
060		10/24/2022 15:05	0	0	0	0
061		10/24/2022 15:06	0	0	0	0
062		10/24/2022 15:07	0	0	0	0
063		10/24/2022 15:08	0	0	0	0
064		10/24/2022 15:09	0	0	0.1	0
065		10/24/2022 15:10	0	0	0	0
066		10/24/2022 15:11	0	0	0	0
067		10/24/2022 15:12	0	0	0	0
068		10/24/2022 15:13	0	0	0	0
069		10/24/2022 15:14	0	0	0	0
070		10/24/2022 15:15	0	0	0.1	0
071		10/24/2022 15:16	0	0	0	0
072		10/24/2022 15:17	0	0	0	0
073		10/24/2022 15:18	0	0	0	0
074		10/24/2022 15:19	0	0	0	0
075		10/24/2022 15:20	0	0	0	0
076		10/24/2022 15:21	0	0	0	0
077		10/24/2022 15:22	0	0	0	0
078		10/24/2022 15:23	0	0	0	0
079		10/24/2022 15:24	0	0	0	0
080		10/24/2022 15:25	0	0	0	0
081		10/24/2022 15:26	0	0	0	0
082		10/24/2022 15:27	0	0	0	0
083		10/24/2022 15:28	0	0	0	0
084		10/24/2022 15:29	0	0	0	0
085		10/24/2022 15:30	0	0	0	0
086		10/24/2022 15:31	0	0	0	0
087		10/24/2022 15:32	0	0	0	0
088		10/24/2022 15:33	0	0	0	0
089		10/24/2022 15:34	0	0	0	0
090		10/24/2022 15:35	0	0	0	0
091		10/24/2022 15:36	0	0	0	0
092		10/24/2022 15:37	0	0	0	0
093		10/24/2022 15:38	0	0	0	0
094		10/24/2022 15:39	0	0	0	0
095		10/24/2022 15:40	0	0	0	0
096		10/24/2022 15:41	0	0	0	0
097		10/24/2022 15:42	0	0	0.1	0
098		10/24/2022 15:43	0	0	0	0
099		10/24/2022 15:44	0	0	0	0
	100	10/24/2022 15:45	0	0	0	0
	101	10/24/2022 15:46	0	0	0.1	0
	102	10/24/2022 15:47	0	0	0.1	0.1
	103	10/24/2022 15:48	0.1	0.1	0.1	0.1
	104	10/24/2022 15:49	0.1	0.1	0.1	0.1
	105	10/24/2022 15:50	0	0	0.1	0
	106	10/24/2022 15:51	0	0	0	0
	107	10/24/2022 15:52	0	0	0	0
	108	10/24/2022 15:53	0	0.1	0.1	0
	109	10/24/2022 15:54	0	0	0.1	0
	110	10/24/2022 15:55	0	0	0	0
	111	10/24/2022 15:56	0	0	0	0
	112	10/24/2022 15:57	0	0	0	0

	113	10/24/2022 15:58	0	0	0	0
	114	10/24/2022 15:59	0	0	0.1	0
	115	10/24/2022 16:00	0	0	0.1	0
	116	10/24/2022 16:01	0	0	0.1	0.1
	117	10/24/2022 16:02	0	0.1	0.1	0.1
	118	10/24/2022 16:03	0.1	0.1	0.1	0.1
	119	10/24/2022 16:04	0.1	0.1	0.1	0.1
	120	10/24/2022 16:05	0.1	0.1	0.1	0.1
	121	10/24/2022 16:06	0.1	0.1	0.1	0.1
	122	10/24/2022 16:07	0.1	0.1	0.1	0.1
	123	10/24/2022 16:08	0.1	0.1	0.1	0.1
	124	10/24/2022 16:09	0.1	0.1	0.1	0.1
	125	10/24/2022 16:10	0.1	0.1	0.1	0.1
	126	10/24/2022 16:11	0.1	0.1	0.1	0.1
	127	10/24/2022 16:12	0.1	0.1	0.1	0.1
	128	10/24/2022 16:13	0.1	0.1	0.1	0.1
	129	10/24/2022 16:14	0.1	0.1	0.1	0.1
	130	10/24/2022 16:15	0.1	0.1	0.1	0.1
	131	10/24/2022 16:16	0.1	0.1	0.1	0.1
	132	10/24/2022 16:17	0.1	0.1	0.1	0.1
	133	10/24/2022 16:18	0.1	0.1	0.1	0.1
	134	10/24/2022 16:19	0.1	0.1	0.1	0.1
	135	10/24/2022 16:20	0.1	0.1	0.1	0.1
	136	10/24/2022 16:21	0.1	0.1	0.1	0.1
	137	10/24/2022 16:22	0.1	0.1	0.1	0.1
	138	10/24/2022 16:23	0.1	0.1	0.1	0.1
	139	10/24/2022 16:24	0.1	0.1	0.1	0.1
	140	10/24/2022 16:25	0.1	0.1	0.1	0.1
	141	10/24/2022 16:26	0.1	0.1	0.1	0.1
	142	10/24/2022 16:27	0.1	0.1	0.1	0.1
	143	10/24/2022 16:28	0.1	0.1	0.1	0.1
Peak			0.1	0.1	0.1	0.1
Min			0	0	0	0
Average			0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/24/2022 14:06	0	---
002	10/24/2022 14:07	0	---
003	10/24/2022 14:08	0	---
004	10/24/2022 14:09	0	---
005	10/24/2022 14:10	0	---
006	10/24/2022 14:11	0	---
007	10/24/2022 14:12	0	---
008	10/24/2022 14:13	0	---
009	10/24/2022 14:14	0	---
010	10/24/2022 14:15	0	---
011	10/24/2022 14:16	0	---
012	10/24/2022 14:17	0	---
013	10/24/2022 14:18	0	---
014	10/24/2022 14:19	0	---
015	10/24/2022 14:20	0	0
016	10/24/2022 14:21	0	0
017	10/24/2022 14:22	0	0
018	10/24/2022 14:23	0	0
019	10/24/2022 14:24	0	0
020	10/24/2022 14:25	0	0
021	10/24/2022 14:26	0	0
022	10/24/2022 14:27	0	0
023	10/24/2022 14:28	0	0
024	10/24/2022 14:29	0	0
025	10/24/2022 14:30	0	0
026	10/24/2022 14:31	0	0
027	10/24/2022 14:32	0	0
028	10/24/2022 14:33	0	0
029	10/24/2022 14:34	0	0
030	10/24/2022 14:35	0	0
031	10/24/2022 14:36	0	0
032	10/24/2022 14:37	0	0
033	10/24/2022 14:38	0	0
034	10/24/2022 14:39	0	0
035	10/24/2022 14:40	0	0
036	10/24/2022 14:41	0	0
037	10/24/2022 14:42	0	0
038	10/24/2022 14:43	0	0
039	10/24/2022 14:44	0	0
040	10/24/2022 14:45	0	0
041	10/24/2022 14:46	0	0
042	10/24/2022 14:47	0	0
043	10/24/2022 14:48	0	0
044	10/24/2022 14:49	0	0
045	10/24/2022 14:50	0	0
046	10/24/2022 14:51	0	0
047	10/24/2022 14:52	0	0
048	10/24/2022 14:53	0	0
049	10/24/2022 14:54	0	0
050	10/24/2022 14:55	0	0
051	10/24/2022 14:56	0	0
052	10/24/2022 14:57	0	0
053	10/24/2022 14:58	0	0
054	10/24/2022 14:59	0	0
055	10/24/2022 15:00	0	0
056	10/24/2022 15:01	0	0
057	10/24/2022 15:02	0	0
058	10/24/2022 15:03	0	0
059	10/24/2022 15:04	0	0
060	10/24/2022 15:05	0	0
061	10/24/2022 15:06	0	0

062		10/24/2022 15:07	0	0
063		10/24/2022 15:08	0	0
064		10/24/2022 15:09	0	0
065		10/24/2022 15:10	0	0
066		10/24/2022 15:11	0	0
067		10/24/2022 15:12	0	0
068		10/24/2022 15:13	0	0
069		10/24/2022 15:14	0	0
070		10/24/2022 15:15	0	0
071		10/24/2022 15:16	0	0
072		10/24/2022 15:17	0	0
073		10/24/2022 15:18	0	0
074		10/24/2022 15:19	0	0
075		10/24/2022 15:20	0	0
076		10/24/2022 15:21	0	0
077		10/24/2022 15:22	0	0
078		10/24/2022 15:23	0	0
079		10/24/2022 15:24	0	0
080		10/24/2022 15:25	0	0
081		10/24/2022 15:26	0	0
082		10/24/2022 15:27	0	0
083		10/24/2022 15:28	0	0
084		10/24/2022 15:29	0	0
085		10/24/2022 15:30	0	0
086		10/24/2022 15:31	0	0
087		10/24/2022 15:32	0	0
088		10/24/2022 15:33	0	0
089		10/24/2022 15:34	0	0
090		10/24/2022 15:35	0	0
091		10/24/2022 15:36	0	0
092		10/24/2022 15:37	0	0
093		10/24/2022 15:38	0	0
094		10/24/2022 15:39	0	0
095		10/24/2022 15:40	0	0
096		10/24/2022 15:41	0	0
097		10/24/2022 15:42	0	0
098		10/24/2022 15:43	0	0
099		10/24/2022 15:44	0	0
	100	10/24/2022 15:45	0	0
	101	10/24/2022 15:46	0	0
	102	10/24/2022 15:47	0	0
	103	10/24/2022 15:48	0	0
	104	10/24/2022 15:49	0	0
	105	10/24/2022 15:50	0	0
	106	10/24/2022 15:51	0	0
	107	10/24/2022 15:52	0	0
	108	10/24/2022 15:53	0	0
	109	10/24/2022 15:54	0	0
	110	10/24/2022 15:55	0	0
	111	10/24/2022 15:56	0	0
	112	10/24/2022 15:57	0	0
	113	10/24/2022 15:58	0	0
	114	10/24/2022 15:59	0	0
	115	10/24/2022 16:00	0	0
	116	10/24/2022 16:01	0	0
	117	10/24/2022 16:02	0	0
	118	10/24/2022 16:03	0	0
	119	10/24/2022 16:04	0	0
	120	10/24/2022 16:05	0	0
	121	10/24/2022 16:06	0	0
	122	10/24/2022 16:07	0	0
	123	10/24/2022 16:08	0	0.1
	124	10/24/2022 16:09	0	0.1
	125	10/24/2022 16:10	0	0.1
	126	10/24/2022 16:11	0	0.1
	127	10/24/2022 16:12	0	0.1
	128	10/24/2022 16:13	0	0.1
	129	10/24/2022 16:14	0	0.1
	130	10/24/2022 16:15	0	0.1
	131	10/24/2022 16:16	0	0.1
	132	10/24/2022 16:17	0	0.1
	133	10/24/2022 16:18	0	0.1
	134	10/24/2022 16:19	0	0.1
	135	10/24/2022 16:20	0	0.1
	136	10/24/2022 16:21	0	0.1
	137	10/24/2022 16:22	0	0.1
	138	10/24/2022 16:23	0	0.1
	139	10/24/2022 16:24	0	0.1
	140	10/24/2022 16:25	0	0.1
	141	10/24/2022 16:26	0	0.1
	142	10/24/2022 16:27	0	0.1
	143	10/24/2022 16:28	0	0.1

=====
22/10/25 07:22

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	00000001
User ID	00000001

Begin10/25/2022 7:22

End

10/25/2022 7:22

Sample Period(s)

60

Number of Records

0

Sensor

PID(ppm)

Sensor SN

S023030091S5

Measure Type

Min; Avg; Max; Real

Span

100

Span 2

1000

Low Alarm

50

High Alarm

100

Over Alarm

15000

STEL Alarm

25

TWA Alarm

10

Measurement Gas

Isobutylene

Calibration Time

10/24/2022 12:05

Datalog

0 record.

=====

22/10/25 07:25

Summary

Unit Name

Unit SN

Unit Firmware Ver

MiniRAE 3000(PGM-7320)

592-908186

V2.22A

Running Mode

Datalog Mode

Diagnostic Mode

Stop Reason

Hygiene Mode

Auto

No

Power Down

Site ID

User ID

00000001

00000001

Begin

End

Sample Period(s)

Number of Records

10/25/2022 7:25

10/25/2022 7:25

60

0

Sensor

Sensor SN

Measure Type

Span

Span 2

Low Alarm

High Alarm

Over Alarm

STEL Alarm

TWA Alarm

Measurement Gas

Calibration Time

PID(ppm)

S023030091S5

Min; Avg; Max; Real

100

1000

50

100

15000

25

10

Isobutylene

10/25/2022 7:24

Datalog

0 record.

=====

22/10/25 09:29

Summary

Unit Name

Unit SN

Unit Firmware Ver

MiniRAE 3000(PGM-7320)

592-908186

V2.22A

Running Mode

Datalog Mode

Diagnostic Mode

Stop Reason

Hygiene Mode

Auto

No

Power Down

Site ID

User ID

00000001

00000001

Begin

End

Sample Period(s)

Number of Records

10/25/2022 9:29

10/25/2022 11:39

60

130

Sensor

Sensor SN

Measure Type

Span

Span 2

Low Alarm

High Alarm

Over Alarm

STEL Alarm

TWA Alarm

Measurement Gas

Calibration Time

Peak

Min

Average

PID(ppm)

S023030091S5

Min; Avg; Max; Real

100

1000

50

100

15000

25

10

Isobutylene

10/25/2022 7:24

0.2

0

0.1

Datalog

Index	Date/Time	PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
		(Min)	(Avg)	(Max)	(Real)
001	10/25/2022 9:30	0	0	0	0
002	10/25/2022 9:31	0	0	0	0
003	10/25/2022 9:32	0	0	0	0
004	10/25/2022 9:33	0	0	0	0
005	10/25/2022 9:34	0	0	0	0
006	10/25/2022 9:35	0	0	0	0
007	10/25/2022 9:36	0	0.1	0.1	0.1
008	10/25/2022 9:37	0.1	0.1	0.1	0.1
009	10/25/2022 9:38	0.1	0.1	0.1	0.1
010	10/25/2022 9:39	0.1	0.1	0.1	0.1
011	10/25/2022 9:40	0.1	0.1	0.1	0.1
012	10/25/2022 9:41	0.1	0.1	0.1	0.1
013	10/25/2022 9:42	0.1	0.1	0.1	0.1
014	10/25/2022 9:43	0.1	0.1	0.1	0.1
015	10/25/2022 9:44	0.1	0.1	0.1	0.1
016	10/25/2022 9:45	0.1	0.1	0.1	0.1
017	10/25/2022 9:46	0.1	0.1	0.1	0.1
018	10/25/2022 9:47	0.1	0.2	0.3	0.1
019	10/25/2022 9:48	0.1	0.1	0.1	0.1
020	10/25/2022 9:49	0.1	0.1	0.1	0.1
021	10/25/2022 9:50	0.1	0.1	0.2	0.2
022	10/25/2022 9:51	0.2	0.2	0.2	0.2
023	10/25/2022 9:52	0.2	0.2	0.2	0.2
024	10/25/2022 9:53	0.1	0.2	0.2	0.2
025	10/25/2022 9:54	0.2	0.2	0.2	0.2
026	10/25/2022 9:55	0.2	0.2	0.2	0.2
027	10/25/2022 9:56	0.2	0.2	0.2	0.2
028	10/25/2022 9:57	0.1	0.2	0.2	0.2
029	10/25/2022 9:58	0.2	0.2	0.2	0.2
030	10/25/2022 9:59	0.1	0.2	0.2	0.2
031	10/25/2022 10:00	0.1	0.2	0.2	0.2
032	10/25/2022 10:01	0.1	0.2	0.2	0.2
033	10/25/2022 10:02	0.1	0.1	0.2	0.2
034	10/25/2022 10:03	0.1	0.1	0.2	0.1
035	10/25/2022 10:04	0.1	0.1	0.2	0.1
036	10/25/2022 10:05	0.1	0.1	0.1	0.1
037	10/25/2022 10:06	0.1	0.1	0.2	0.1
038	10/25/2022 10:07	0.1	0.1	0.1	0.1
039	10/25/2022 10:08	0.1	0.1	0.1	0.1
040	10/25/2022 10:09	0.1	0.1	0.1	0.1
041	10/25/2022 10:10	0.1	0.1	0.1	0.1
042	10/25/2022 10:11	0.1	0.1	0.1	0.1
043	10/25/2022 10:12	0.1	0.1	0.1	0.1
044	10/25/2022 10:13	0.1	0.1	0.1	0.1
045	10/25/2022 10:14	0.1	0.1	0.1	0.1
046	10/25/2022 10:15	0.1	0.1	0.1	0.1
047	10/25/2022 10:16	0.1	0.1	0.1	0.1
048	10/25/2022 10:17	0.1	0.1	0.1	0.1
049	10/25/2022 10:18	0.1	0.1	0.1	0.1
050	10/25/2022 10:19	0.1	0.1	0.1	0.1
051	10/25/2022 10:20	0.1	0.1	0.1	0.1
052	10/25/2022 10:21	0.1	0.1	0.1	0.1
053	10/25/2022 10:22	0.1	0.1	0.1	0.1
054	10/25/2022 10:23	0.1	0.1	0.1	0.1
055	10/25/2022 10:24	0.1	0.1	0.1	0.1
056	10/25/2022 10:25	0.1	0.1	0.1	0.1
057	10/25/2022 10:26	0.1	0.1	0.1	0.1
058	10/25/2022 10:27	0.1	0.1	0.1	0.1
059	10/25/2022 10:28	0.1	0.1	0.1	0.1
060	10/25/2022 10:29	0.1	0.1	0.1	0.1
061	10/25/2022 10:30	0.1	0.1	0.1	0.1
062	10/25/2022 10:31	0.1	0.1	0.1	0.1
063	10/25/2022 10:32	0.1	0.1	0.1	0.1
064	10/25/2022 10:33	0.1	0.1	0.1	0.1
065	10/25/2022 10:34	0.1	0.1	0.1	0.1
066	10/25/2022 10:35	0.1	0.1	0.1	0.1
067	10/25/2022 10:36	0.1	0.1	0.1	0.1
068	10/25/2022 10:37	0.1	0.1	0.1	0.1
069	10/25/2022 10:38	0.1	0.1	0.1	0.1
070	10/25/2022 10:39	0.1	0.1	0.1	0.1
071	10/25/2022 10:40	0.1	0.1	0.1	0.1
072	10/25/2022 10:41	0.1	0.1	0.1	0.1
073	10/25/2022 10:42	0.1	0.1	0.1	0.1
074	10/25/2022 10:43	0.1	0.1	0.1	0.1
075	10/25/2022 10:44	0.1	0.1	0.1	0.1
076	10/25/2022 10:45	0.1	0.1	0.1	0.1
077	10/25/2022 10:46	0.1	0.1	0.1	0.1
078	10/25/2022 10:47	0.1	0.1	0.1	0.1
079	10/25/2022 10:48	0.1	0.1	0.1	0.1
080	10/25/2022 10:49	0.1	0.1	0.1	0.1
081	10/25/2022 10:50	0.1	0.1	0.1	0.1
082	10/25/2022 10:51	0.1	0.1	0.1	0.1
083	10/25/2022 10:52	0.1	0.1	0.1	0.1
084	10/25/2022 10:53	0.1	0.1	0.1	0.1
085	10/25/2022 10:54	0.1	0.1	0.1	0.1
086	10/25/2022 10:55	0.1	0.1	0.1	0.1
087	10/25/2022 10:56	0.1	0.1	0.1	0.1
088	10/25/2022 10:57	0.1	0.1	0.1	0.1
089	10/25/2022 10:58	0.1	0.1	0.1	0.1
090	10/25/2022 10:59	0.1	0.1	0.1	0.1
091	10/25/2022 11:00	0.1	0.1	0.1	0.1
092	10/25/2022 11:01	0.1	0.1	0.2	0.1
093	10/25/2022 11:02	0.1	0.1	0.1	0.1
094	10/25/2022 11:03	0.1	0.1	0.1	0.1
095	10/25/2022 11:04	0.1	0.1	0.1	0.1
096	10/25/2022 11:05	0.1	0.1	0.1	0.1

097		10/25/2022 11:06	0.1	0.1	0.1	0.1
098		10/25/2022 11:07	0.1	0.1	0.1	0.1
099		10/25/2022 11:08	0.1	0.1	0.1	0.1
	100	10/25/2022 11:09	0.1	0.1	0.1	0.1
	101	10/25/2022 11:10	0.1	0.1	0.1	0.1
	102	10/25/2022 11:11	0.1	0.1	0.1	0.1
	103	10/25/2022 11:12	0.1	0.1	0.1	0.1
	104	10/25/2022 11:13	0.1	0.1	0.1	0.1
	105	10/25/2022 11:14	0.1	0.1	0.1	0.1
	106	10/25/2022 11:15	0.1	0.1	0.1	0.1
	107	10/25/2022 11:16	0.1	0.1	0.1	0.1
	108	10/25/2022 11:17	0.1	0.1	0.1	0.1
	109	10/25/2022 11:18	0.1	0.1	0.1	0.1
	110	10/25/2022 11:19	0.1	0.1	0.1	0.1
	111	10/25/2022 11:20	0.1	0.1	0.1	0.1
	112	10/25/2022 11:21	0.1	0.1	0.1	0.1
	113	10/25/2022 11:22	0.1	0.1	0.1	0.1
	114	10/25/2022 11:23	0.1	0.1	0.1	0.1
	115	10/25/2022 11:24	0.1	0.1	0.1	0.1
	116	10/25/2022 11:25	0.1	0.1	0.1	0.1
	117	10/25/2022 11:26	0.1	0.1	0.1	0.1
	118	10/25/2022 11:27	0.1	0.1	0.1	0.1
	119	10/25/2022 11:28	0.1	0.1	0.1	0.1
	120	10/25/2022 11:29	0.1	0.1	0.1	0.1
	121	10/25/2022 11:30	0.1	0.1	0.1	0.1
	122	10/25/2022 11:31	0.1	0.1	0.1	0.1
	123	10/25/2022 11:32	0.1	0.1	0.1	0.1
	124	10/25/2022 11:33	0.1	0.1	0.1	0.1
	125	10/25/2022 11:34	0.1	0.1	0.1	0.1
	126	10/25/2022 11:35	0.1	0.1	0.1	0.1
	127	10/25/2022 11:36	0.1	0.1	0.1	0.1
	128	10/25/2022 11:37	0.1	0.1	0.1	0.1
	129	10/25/2022 11:38	0.1	0.1	0.1	0.1
	130	10/25/2022 11:39	0.1	0.1	0.1	0.1
Peak			0.2	0.2	0.3	0.2
Min			0	0	0	0
Average			0.1	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/25/2022 9:30	0	---
002	10/25/2022 9:31	0	---
003	10/25/2022 9:32	0	---
004	10/25/2022 9:33	0	---
005	10/25/2022 9:34	0	---
006	10/25/2022 9:35	0	---
007	10/25/2022 9:36	0	---
008	10/25/2022 9:37	0	---
009	10/25/2022 9:38	0	---
010	10/25/2022 9:39	0	---
011	10/25/2022 9:40	0	---
012	10/25/2022 9:41	0	---
013	10/25/2022 9:42	0	---
014	10/25/2022 9:43	0	---
015	10/25/2022 9:44	0	0.1
016	10/25/2022 9:45	0	0.1
017	10/25/2022 9:46	0	0.1
018	10/25/2022 9:47	0	0.1
019	10/25/2022 9:48	0	0.1
020	10/25/2022 9:49	0	0.1
021	10/25/2022 9:50	0	0.1
022	10/25/2022 9:51	0	0.1
023	10/25/2022 9:52	0	0.1
024	10/25/2022 9:53	0	0.1
025	10/25/2022 9:54	0	0.1
026	10/25/2022 9:55	0	0.1
027	10/25/2022 9:56	0	0.2
028	10/25/2022 9:57	0	0.2
029	10/25/2022 9:58	0	0.2
030	10/25/2022 9:59	0	0.2
031	10/25/2022 10:00	0	0.2
032	10/25/2022 10:01	0	0.2
033	10/25/2022 10:02	0	0.2
034	10/25/2022 10:03	0	0.2
035	10/25/2022 10:04	0	0.2
036	10/25/2022 10:05	0	0.2
037	10/25/2022 10:06	0	0.2
038	10/25/2022 10:07	0	0.2
039	10/25/2022 10:08	0	0.2
040	10/25/2022 10:09	0	0.2
041	10/25/2022 10:10	0	0.2
042	10/25/2022 10:11	0	0.2
043	10/25/2022 10:12	0	0.1
044	10/25/2022 10:13	0	0.1
045	10/25/2022 10:14	0	0.1
046	10/25/2022 10:15	0	0.1
047	10/25/2022 10:16	0	0.1
048	10/25/2022 10:17	0	0.1
049	10/25/2022 10:18	0	0.1
050	10/25/2022 10:19	0	0.1
051	10/25/2022 10:20	0	0.1
052	10/25/2022 10:21	0	0.1
053	10/25/2022 10:22	0	0.1
054	10/25/2022 10:23	0	0.1
055	10/25/2022 10:24	0	0.1
056	10/25/2022 10:25	0	0.1
057	10/25/2022 10:26	0	0.1
058	10/25/2022 10:27	0	0.1

059		10/25/2022 10:28	0	0.1
060		10/25/2022 10:29	0	0.1
061		10/25/2022 10:30	0	0.1
062		10/25/2022 10:31	0	0.1
063		10/25/2022 10:32	0	0.1
064		10/25/2022 10:33	0	0.1
065		10/25/2022 10:34	0	0.1
066		10/25/2022 10:35	0	0.1
067		10/25/2022 10:36	0	0.1
068		10/25/2022 10:37	0	0.1
069		10/25/2022 10:38	0	0.1
070		10/25/2022 10:39	0	0.1
071		10/25/2022 10:40	0	0.1
072		10/25/2022 10:41	0	0.1
073		10/25/2022 10:42	0	0.1
074		10/25/2022 10:43	0	0.1
075		10/25/2022 10:44	0	0.1
076		10/25/2022 10:45	0	0.1
077		10/25/2022 10:46	0	0.1
078		10/25/2022 10:47	0	0.1
079		10/25/2022 10:48	0	0.1
080		10/25/2022 10:49	0	0.1
081		10/25/2022 10:50	0	0.1
082		10/25/2022 10:51	0	0.1
083		10/25/2022 10:52	0	0.1
084		10/25/2022 10:53	0	0.1
085		10/25/2022 10:54	0	0.1
086		10/25/2022 10:55	0	0.1
087		10/25/2022 10:56	0	0.1
088		10/25/2022 10:57	0	0.1
089		10/25/2022 10:58	0	0.1
090		10/25/2022 10:59	0	0.1
091		10/25/2022 11:00	0	0.1
092		10/25/2022 11:01	0	0.1
093		10/25/2022 11:02	0	0.1
094		10/25/2022 11:03	0	0.1
095		10/25/2022 11:04	0	0.1
096		10/25/2022 11:05	0	0.1
097		10/25/2022 11:06	0	0.1
098		10/25/2022 11:07	0	0.1
099		10/25/2022 11:08	0	0.1
	100	10/25/2022 11:09	0	0.1
	101	10/25/2022 11:10	0	0.1
	102	10/25/2022 11:11	0	0.1
	103	10/25/2022 11:12	0	0.1
	104	10/25/2022 11:13	0	0.1
	105	10/25/2022 11:14	0	0.1
	106	10/25/2022 11:15	0	0.1
	107	10/25/2022 11:16	0	0.1
	108	10/25/2022 11:17	0	0.1
	109	10/25/2022 11:18	0	0.1
	110	10/25/2022 11:19	0	0.1
	111	10/25/2022 11:20	0	0.1
	112	10/25/2022 11:21	0	0.1
	113	10/25/2022 11:22	0	0.1
	114	10/25/2022 11:23	0	0.1
	115	10/25/2022 11:24	0	0.1
	116	10/25/2022 11:25	0	0.1
	117	10/25/2022 11:26	0	0.1
	118	10/25/2022 11:27	0	0.1
	119	10/25/2022 11:28	0	0.1
	120	10/25/2022 11:29	0	0.1
	121	10/25/2022 11:30	0	0.1
	122	10/25/2022 11:31	0	0.1
	123	10/25/2022 11:32	0	0.1
	124	10/25/2022 11:33	0	0.1
	125	10/25/2022 11:34	0	0.1
	126	10/25/2022 11:35	0	0.1
	127	10/25/2022 11:36	0	0.1
	128	10/25/2022 11:37	0	0.1
	129	10/25/2022 11:38	0	0.1
	130	10/25/2022 11:39	0	0.1

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22/10/26 08:30

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	00000001
User ID	00000001
Begin	10/26/2022 8:30
End	10/26/2022 8:35
Sample Period(s)	60
Number of Records	5
Sensor	PID(ppm)
Sensor SN	S02303009155
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50

High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/25/2022 7:24
Peak	0
Min	0
Average	0

Datalog					
Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/26/2022 8:31	0	0	0	0
002	10/26/2022 8:32	0	0	0	0
003	10/26/2022 8:33	0	0	0	0
004	10/26/2022 8:34	0	0	0	0
005	10/26/2022 8:35	0	0	0	0
Peak		0	0	0	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL			
Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/26/2022 8:31	0 ---	
002	10/26/2022 8:32	0 ---	
003	10/26/2022 8:33	0 ---	
004	10/26/2022 8:34	0 ---	
005	10/26/2022 8:35	0 ---	

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22/10/26 08:40

Summary	

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/26/2022 8:40
End	10/26/2022 13:08
Sample Period(s)	60
Number of Records	267

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/26/2022 8:40
Peak	0.1
Min	0
Average	0

Datalog					
Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/26/2022 8:41	0	0	0.1	0
002	10/26/2022 8:42	0	0	0	0
003	10/26/2022 8:43	0	0	0	0
004	10/26/2022 8:44	0	0	0	0
005	10/26/2022 8:45	0	0	0	0
006	10/26/2022 8:46	0	0	0	0
007	10/26/2022 8:47	0	0	0	0
008	10/26/2022 8:48	0	0	0	0
009	10/26/2022 8:49	0	0	0	0
010	10/26/2022 8:50	0	0	0	0
011	10/26/2022 8:51	0	0	0	0
012	10/26/2022 8:52	0	0	0	0
013	10/26/2022 8:53	0	0	0	0
014	10/26/2022 8:54	0	0	0	0
015	10/26/2022 8:55	0	0	0	0
016	10/26/2022 8:56	0	0	0	0
017	10/26/2022 8:57	0	0	0	0
018	10/26/2022 8:58	0	0	0	0
019	10/26/2022 8:59	0	0	0	0
020	10/26/2022 9:00	0	0	0	0
021	10/26/2022 9:01	0	0	0	0
022	10/26/2022 9:02	0	0	0	0
023	10/26/2022 9:03	0	0	0	0
024	10/26/2022 9:04	0	0	0	0
025	10/26/2022 9:05	0	0	0	0
026	10/26/2022 9:06	0	0	0	0

027		10/26/2022 9:07	0	0	0	0
028		10/26/2022 9:08	0	0	0	0
029		10/26/2022 9:09	0	0	0	0
030		10/26/2022 9:10	0	0	0	0
031		10/26/2022 9:11	0	0	0	0
032		10/26/2022 9:12	0	0	0	0
033		10/26/2022 9:13	0	0	0	0
034		10/26/2022 9:14	0	0	0	0
035		10/26/2022 9:15	0	0	0.1	0.1
036		10/26/2022 9:16	0	0	0.1	0
037		10/26/2022 9:17	0	0.1	0.1	0.1
038		10/26/2022 9:18	0	0.1	0.1	0.1
039		10/26/2022 9:19	0.1	0.1	0.1	0.1
040		10/26/2022 9:20	0.1	0.1	0.1	0.1
041		10/26/2022 9:21	0.1	0.1	0.1	0.1
042		10/26/2022 9:22	0.1	0.1	0.1	0.1
043		10/26/2022 9:23	0.1	0.1	0.1	0.1
044		10/26/2022 9:24	0.1	0.1	0.1	0.1
045		10/26/2022 9:25	0.1	0.1	0.1	0.1
046		10/26/2022 9:26	0.1	0.1	0.1	0.1
047		10/26/2022 9:27	0.1	0.1	0.1	0.1
048		10/26/2022 9:28	0.1	0.1	0.1	0.1
049		10/26/2022 9:29	0	0.1	0.1	0.1
050		10/26/2022 9:30	0	0.1	0.1	0.1
051		10/26/2022 9:31	0.1	0.1	0.1	0.1
052		10/26/2022 9:32	0.1	0.1	0.1	0.1
053		10/26/2022 9:33	0.1	0.1	0.1	0.1
054		10/26/2022 9:34	0.1	0.1	0.1	0.1
055		10/26/2022 9:35	0.1	0.1	0.1	0.1
056		10/26/2022 9:36	0.1	0.1	0.1	0.1
057		10/26/2022 9:37	0.1	0.1	0.1	0.1
058		10/26/2022 9:38	0.1	0.1	0.1	0.1
059		10/26/2022 9:39	0.1	0.1	0.1	0.1
060		10/26/2022 9:40	0.1	0.1	0.1	0.1
061		10/26/2022 9:41	0.1	0.1	0.1	0.1
062		10/26/2022 9:42	0.1	0.1	0.1	0.1
063		10/26/2022 9:43	0.1	0.1	0.1	0.1
064		10/26/2022 9:44	0.1	0.1	0.1	0.1
065		10/26/2022 9:45	0.1	0.1	0.1	0.1
066		10/26/2022 9:46	0.1	0.1	0.1	0.1
067		10/26/2022 9:47	0.1	0.1	0.1	0.1
068		10/26/2022 9:48	0.1	0.1	0.1	0.1
069		10/26/2022 9:49	0	0.1	0.1	0.1
070		10/26/2022 9:50	0.1	0.1	0.1	0.1
071		10/26/2022 9:51	0.1	0.1	0.1	0.1
072		10/26/2022 9:52	0.1	0.1	0.1	0.1
073		10/26/2022 9:53	0.1	0.1	0.1	0.1
074		10/26/2022 9:54	0.1	0.1	0.1	0.1
075		10/26/2022 9:55	0.1	0.1	0.1	0.1
076		10/26/2022 9:56	0.1	0.1	0.1	0.1
077		10/26/2022 9:57	0.1	0.1	0.1	0.1
078		10/26/2022 9:58	0.1	0.1	0.1	0.1
079		10/26/2022 9:59	0.1	0.1	0.1	0.1
080		10/26/2022 10:00	0.1	0.1	0.1	0.1
081		10/26/2022 10:01	0.1	0.1	0.1	0.1
082		10/26/2022 10:02	0.1	0.1	0.1	0.1
083		10/26/2022 10:03	0.1	0.1	0.1	0.1
084		10/26/2022 10:04	0.1	0.1	0.1	0.1
085		10/26/2022 10:05	0.1	0.1	0.1	0.1
086		10/26/2022 10:06	0.1	0.1	0.1	0.1
087		10/26/2022 10:07	0.1	0.1	0.1	0.1
088		10/26/2022 10:08	0.1	0.1	0.1	0.1
089		10/26/2022 10:09	0.1	0.1	0.1	0.1
090		10/26/2022 10:10	0.1	0.1	0.1	0.1
091		10/26/2022 10:11	0.1	0.1	0.1	0.1
092		10/26/2022 10:12	0.1	0.1	0.1	0.1
093		10/26/2022 10:13	0.1	0.1	0.1	0.1
094		10/26/2022 10:14	0.1	0.1	0.1	0.1
095		10/26/2022 10:15	0.1	0.1	0.1	0.1
096		10/26/2022 10:16	0.1	0.1	0.1	0.1
097		10/26/2022 10:17	0.1	0.1	0.1	0.1
098		10/26/2022 10:18	0.1	0.1	0.1	0.1
099		10/26/2022 10:19	0.1	0.1	0.1	0.1
	100	10/26/2022 10:20	0.1	0.1	0.1	0.1
	101	10/26/2022 10:21	0.1	0.1	0.1	0.1
	102	10/26/2022 10:22	0	0.1	0.1	0.1
	103	10/26/2022 10:23	0	0.1	0.1	0.1
	104	10/26/2022 10:24	0	0.1	0.1	0.1
	105	10/26/2022 10:25	0	0.1	0.1	0.1
	106	10/26/2022 10:26	0	0	0.1	0
	107	10/26/2022 10:27	0	0	0.1	0
	108	10/26/2022 10:28	0	0	0	0
	109	10/26/2022 10:29	0	0	0	0
	110	10/26/2022 10:30	0	0	0	0
	111	10/26/2022 10:31	0	0	0	0
	112	10/26/2022 10:32	0	0	0	0
	113	10/26/2022 10:33	0	0	0	0
	114	10/26/2022 10:34	0	0	0	0
	115	10/26/2022 10:35	0	0	0	0
	116	10/26/2022 10:36	0	0	0	0
	117	10/26/2022 10:37	0	0	0	0
	118	10/26/2022 10:38	0	0	0	0
	119	10/26/2022 10:39	0	0	0	0
	120	10/26/2022 10:40	0	0	0	0
	121	10/26/2022 10:41	0	0	0	0
	122	10/26/2022 10:42	0	0	0	0
	123	10/26/2022 10:43	0	0	0	0
	124	10/26/2022 10:44	0	0	0	0
	125	10/26/2022 10:45	0	0	0	0
	126	10/26/2022 10:46	0	0	0	0

127	10/26/2022 10:47	0	0	0	0
128	10/26/2022 10:48	0	0	0	0
129	10/26/2022 10:49	0	0	0	0
130	10/26/2022 10:50	0	0	0	0
131	10/26/2022 10:51	0	0	0	0
132	10/26/2022 10:52	0	0	0	0
133	10/26/2022 10:53	0	0	0	0
134	10/26/2022 10:54	0	0	0	0
135	10/26/2022 10:55	0	0	0	0
136	10/26/2022 10:56	0	0	0	0
137	10/26/2022 10:57	0	0	0	0
138	10/26/2022 10:58	0	0	0	0
139	10/26/2022 10:59	0	0	0	0
140	10/26/2022 11:00	0	0	0	0
141	10/26/2022 11:01	0	0	0	0
142	10/26/2022 11:02	0	0	0	0
143	10/26/2022 11:03	0	0	0	0
144	10/26/2022 11:04	0	0	0	0
145	10/26/2022 11:05	0	0	0	0
146	10/26/2022 11:06	0	0	0	0
147	10/26/2022 11:07	0	0	0	0
148	10/26/2022 11:08	0	0	0	0
149	10/26/2022 11:09	0	0	0	0
150	10/26/2022 11:10	0	0	0	0
151	10/26/2022 11:11	0	0	0	0
152	10/26/2022 11:12	0	0	0	0
153	10/26/2022 11:13	0	0	0	0
154	10/26/2022 11:14	0	0	0	0
155	10/26/2022 11:15	0	0	0	0
156	10/26/2022 11:16	0	0	0	0
157	10/26/2022 11:17	0	0	0	0
158	10/26/2022 11:18	0	0	0	0
159	10/26/2022 11:19	0	0	0	0
160	10/26/2022 11:20	0	0	0	0
161	10/26/2022 11:21	0	0	0	0
162	10/26/2022 11:22	0	0	0	0
163	10/26/2022 11:23	0	0	0	0
164	10/26/2022 11:24	0	0	0	0
165	10/26/2022 11:25	0	0	0	0
166	10/26/2022 11:26	0	0	0	0
167	10/26/2022 11:27	0	0	0	0
168	10/26/2022 11:28	0	0	0	0
169	10/26/2022 11:29	0	0	0	0
170	10/26/2022 11:30	0	0	0	0
171	10/26/2022 11:31	0	0	0	0
172	10/26/2022 11:32	0	0	0.1	0
173	10/26/2022 11:33	0	0	0	0
174	10/26/2022 11:34	0	0	0	0
175	10/26/2022 11:35	0	0	0.1	0
176	10/26/2022 11:36	0	0	0.1	0
177	10/26/2022 11:37	0	0	0	0
178	10/26/2022 11:38	0	0	0.1	0.1
179	10/26/2022 11:39	0	0	0.1	0
180	10/26/2022 11:40	0	0	0	0
181	10/26/2022 11:41	0	0	0	0
182	10/26/2022 11:42	0	0	0	0
183	10/26/2022 11:43	0	0	0	0
184	10/26/2022 11:44	0	0	0	0
185	10/26/2022 11:45	0	0	0	0
186	10/26/2022 11:46	0	0	0	0
187	10/26/2022 11:47	0	0	0	0
188	10/26/2022 11:48	0	0	0	0
189	10/26/2022 11:49	0	0	0	0
190	10/26/2022 11:50	0	0	0	0
191	10/26/2022 11:51	0	0	0	0
192	10/26/2022 11:52	0	0	0	0
193	10/26/2022 11:53	0	0	0.1	0.1
194	10/26/2022 11:54	0	0	0.1	0
195	10/26/2022 11:55	0	0	0.1	0
196	10/26/2022 11:56	0	0	0.1	0
197	10/26/2022 11:57	0	0	0.1	0
198	10/26/2022 11:58	0	0	0.1	0.1
199	10/26/2022 11:59	0	0.1	0.1	0
200	10/26/2022 12:00	0	0.1	0.1	0.1
201	10/26/2022 12:01	0.1	0.1	0.1	0.1
202	10/26/2022 12:02	0	0.1	0.1	0.1
203	10/26/2022 12:03	0.1	0.1	0.1	0.1
204	10/26/2022 12:04	0	0.1	0.1	0.1
205	10/26/2022 12:05	0	0.1	0.1	0.1
206	10/26/2022 12:06	0.1	0.1	0.1	0.1
207	10/26/2022 12:07	0.1	0.1	0.1	0.1
208	10/26/2022 12:08	0.1	0.1	0.1	0.1
209	10/26/2022 12:09	0.1	0.1	0.1	0.1
210	10/26/2022 12:10	0.1	0.1	0.1	0.1
211	10/26/2022 12:11	0.1	0.1	0.1	0.1
212	10/26/2022 12:12	0.1	0.1	0.1	0.1
213	10/26/2022 12:13	0	0.1	0.1	0.1
214	10/26/2022 12:14	0	0.1	0.1	0.1
215	10/26/2022 12:15	0	0.1	0.1	0.1
216	10/26/2022 12:16	0.1	0.1	0.1	0.1
217	10/26/2022 12:17	0.1	0.1	0.1	0.1
218	10/26/2022 12:18	0.1	0.1	0.1	0.1
219	10/26/2022 12:19	0.1	0.1	0.1	0.1
220	10/26/2022 12:20	0.1	0.1	0.1	0.1
221	10/26/2022 12:21	0.1	0.1	0.1	0.1
222	10/26/2022 12:22	0.1	0.1	0.1	0.1
223	10/26/2022 12:23	0.1	0.1	0.1	0.1
224	10/26/2022 12:24	0.1	0.1	0.1	0.1
225	10/26/2022 12:25	0.1	0.1	0.1	0.1
226	10/26/2022 12:26	0.1	0.1	0.1	0.1

	227	10/26/2022 12:27	0.1	0.1	0.1	0.1
	228	10/26/2022 12:28	0.1	0.1	0.1	0.1
	229	10/26/2022 12:29	0.1	0.1	0.1	0.1
	230	10/26/2022 12:30	0.1	0.1	0.1	0.1
	231	10/26/2022 12:31	0.1	0.1	0.1	0.1
	232	10/26/2022 12:32	0.1	0.1	0.1	0.1
	233	10/26/2022 12:33	0.1	0.1	0.1	0.1
	234	10/26/2022 12:34	0.1	0.1	0.1	0.1
	235	10/26/2022 12:35	0.1	0.1	0.1	0.1
	236	10/26/2022 12:36	0.1	0.1	0.1	0.1
	237	10/26/2022 12:37	0.1	0.1	0.1	0.1
	238	10/26/2022 12:38	0.1	0.1	0.1	0.1
	239	10/26/2022 12:39	0.1	0.1	0.1	0.1
	240	10/26/2022 12:40	0.1	0.1	0.1	0.1
	241	10/26/2022 12:41	0.1	0.1	0.1	0.1
	242	10/26/2022 12:42	0	0.1	0.1	0.1
	243	10/26/2022 12:43	0.1	0.1	0.1	0.1
	244	10/26/2022 12:44	0.1	0.1	0.1	0.1
	245	10/26/2022 12:45	0.1	0.1	0.1	0.1
	246	10/26/2022 12:46	0.1	0.1	0.1	0.1
	247	10/26/2022 12:47	0.1	0.1	0.1	0.1
	248	10/26/2022 12:48	0.1	0.1	0.1	0.1
	249	10/26/2022 12:49	0.1	0.1	0.1	0.1
	250	10/26/2022 12:50	0.1	0.1	0.1	0.1
	251	10/26/2022 12:51	0	0.1	0.1	0.1
	252	10/26/2022 12:52	0.1	0.1	0.1	0.1
	253	10/26/2022 12:53	0	0.1	0.1	0.1
	254	10/26/2022 12:54	0	0.1	0.1	0.1
	255	10/26/2022 12:55	0	0.1	0.1	0.1
	256	10/26/2022 12:56	0	0.1	0.1	0
	257	10/26/2022 12:57	0	0	0.1	0.1
	258	10/26/2022 12:58	0	0	0.1	0
	259	10/26/2022 12:59	0	0	0.1	0
	260	10/26/2022 13:00	0	0	0	0
	261	10/26/2022 13:01	0	0	0.1	0
	262	10/26/2022 13:02	0	0	0.1	0
	263	10/26/2022 13:03	0	0	0.1	0.1
	264	10/26/2022 13:04	0	0	0.1	0.1
	265	10/26/2022 13:05	0	0.1	0.1	0
	266	10/26/2022 13:06	0	0	0.1	0
	267	10/26/2022 13:07	0	0	0.1	0
Peak			0.1	0.1	0.1	0.1
Min			0	0	0	0
Average			0	0	0.1	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/26/2022 8:41	0	---
002	10/26/2022 8:42	0	---
003	10/26/2022 8:43	0	---
004	10/26/2022 8:44	0	---
005	10/26/2022 8:45	0	---
006	10/26/2022 8:46	0	---
007	10/26/2022 8:47	0	---
008	10/26/2022 8:48	0	---
009	10/26/2022 8:49	0	---
010	10/26/2022 8:50	0	---
011	10/26/2022 8:51	0	---
012	10/26/2022 8:52	0	---
013	10/26/2022 8:53	0	---
014	10/26/2022 8:54	0	---
015	10/26/2022 8:55	0	0
016	10/26/2022 8:56	0	0
017	10/26/2022 8:57	0	0
018	10/26/2022 8:58	0	0
019	10/26/2022 8:59	0	0
020	10/26/2022 9:00	0	0
021	10/26/2022 9:01	0	0
022	10/26/2022 9:02	0	0
023	10/26/2022 9:03	0	0
024	10/26/2022 9:04	0	0
025	10/26/2022 9:05	0	0
026	10/26/2022 9:06	0	0
027	10/26/2022 9:07	0	0
028	10/26/2022 9:08	0	0
029	10/26/2022 9:09	0	0
030	10/26/2022 9:10	0	0
031	10/26/2022 9:11	0	0
032	10/26/2022 9:12	0	0
033	10/26/2022 9:13	0	0
034	10/26/2022 9:14	0	0
035	10/26/2022 9:15	0	0
036	10/26/2022 9:16	0	0
037	10/26/2022 9:17	0	0
038	10/26/2022 9:18	0	0
039	10/26/2022 9:19	0	0
040	10/26/2022 9:20	0	0
041	10/26/2022 9:21	0	0
042	10/26/2022 9:22	0	0
043	10/26/2022 9:23	0	0.1
044	10/26/2022 9:24	0	0.1
045	10/26/2022 9:25	0	0.1
046	10/26/2022 9:26	0	0.1
047	10/26/2022 9:27	0	0.1
048	10/26/2022 9:28	0	0.1
049	10/26/2022 9:29	0	0.1
050	10/26/2022 9:30	0	0.1
051	10/26/2022 9:31	0	0.1

052		10/26/2022 9:32	0	0.1
053		10/26/2022 9:33	0	0.1
054		10/26/2022 9:34	0	0.1
055		10/26/2022 9:35	0	0.1
056		10/26/2022 9:36	0	0.1
057		10/26/2022 9:37	0	0.1
058		10/26/2022 9:38	0	0.1
059		10/26/2022 9:39	0	0.1
060		10/26/2022 9:40	0	0.1
061		10/26/2022 9:41	0	0.1
062		10/26/2022 9:42	0	0.1
063		10/26/2022 9:43	0	0.1
064		10/26/2022 9:44	0	0.1
065		10/26/2022 9:45	0	0.1
066		10/26/2022 9:46	0	0.1
067		10/26/2022 9:47	0	0.1
068		10/26/2022 9:48	0	0.1
069		10/26/2022 9:49	0	0.1
070		10/26/2022 9:50	0	0.1
071		10/26/2022 9:51	0	0.1
072		10/26/2022 9:52	0	0.1
073		10/26/2022 9:53	0	0.1
074		10/26/2022 9:54	0	0.1
075		10/26/2022 9:55	0	0.1
076		10/26/2022 9:56	0	0.1
077		10/26/2022 9:57	0	0.1
078		10/26/2022 9:58	0	0.1
079		10/26/2022 9:59	0	0.1
080		10/26/2022 10:00	0	0.1
081		10/26/2022 10:01	0	0.1
082		10/26/2022 10:02	0	0.1
083		10/26/2022 10:03	0	0.1
084		10/26/2022 10:04	0	0.1
085		10/26/2022 10:05	0	0.1
086		10/26/2022 10:06	0	0.1
087		10/26/2022 10:07	0	0.1
088		10/26/2022 10:08	0	0.1
089		10/26/2022 10:09	0	0.1
090		10/26/2022 10:10	0	0.1
091		10/26/2022 10:11	0	0.1
092		10/26/2022 10:12	0	0.1
093		10/26/2022 10:13	0	0.1
094		10/26/2022 10:14	0	0.1
095		10/26/2022 10:15	0	0.1
096		10/26/2022 10:16	0	0.1
097		10/26/2022 10:17	0	0.1
098		10/26/2022 10:18	0	0.1
099		10/26/2022 10:19	0	0.1
	100	10/26/2022 10:20	0	0.1
	101	10/26/2022 10:21	0	0.1
	102	10/26/2022 10:22	0	0.1
	103	10/26/2022 10:23	0	0.1
	104	10/26/2022 10:24	0	0.1
	105	10/26/2022 10:25	0	0.1
	106	10/26/2022 10:26	0	0.1
	107	10/26/2022 10:27	0	0.1
	108	10/26/2022 10:28	0	0.1
	109	10/26/2022 10:29	0	0.1
	110	10/26/2022 10:30	0	0.1
	111	10/26/2022 10:31	0	0.1
	112	10/26/2022 10:32	0	0.1
	113	10/26/2022 10:33	0	0.1
	114	10/26/2022 10:34	0	0
	115	10/26/2022 10:35	0	0
	116	10/26/2022 10:36	0	0
	117	10/26/2022 10:37	0	0
	118	10/26/2022 10:38	0	0
	119	10/26/2022 10:39	0	0
	120	10/26/2022 10:40	0	0
	121	10/26/2022 10:41	0	0
	122	10/26/2022 10:42	0	0
	123	10/26/2022 10:43	0	0
	124	10/26/2022 10:44	0	0
	125	10/26/2022 10:45	0	0
	126	10/26/2022 10:46	0	0
	127	10/26/2022 10:47	0	0
	128	10/26/2022 10:48	0	0
	129	10/26/2022 10:49	0	0
	130	10/26/2022 10:50	0	0
	131	10/26/2022 10:51	0	0
	132	10/26/2022 10:52	0	0
	133	10/26/2022 10:53	0	0
	134	10/26/2022 10:54	0	0
	135	10/26/2022 10:55	0	0
	136	10/26/2022 10:56	0	0
	137	10/26/2022 10:57	0	0
	138	10/26/2022 10:58	0	0
	139	10/26/2022 10:59	0	0
	140	10/26/2022 11:00	0	0
	141	10/26/2022 11:01	0	0
	142	10/26/2022 11:02	0	0
	143	10/26/2022 11:03	0	0
	144	10/26/2022 11:04	0	0
	145	10/26/2022 11:05	0	0
	146	10/26/2022 11:06	0	0
	147	10/26/2022 11:07	0	0
	148	10/26/2022 11:08	0	0
	149	10/26/2022 11:09	0	0
	150	10/26/2022 11:10	0	0
	151	10/26/2022 11:11	0	0

152	10/26/2022 11:12	0	0
153	10/26/2022 11:13	0	0
154	10/26/2022 11:14	0	0
155	10/26/2022 11:15	0	0
156	10/26/2022 11:16	0	0
157	10/26/2022 11:17	0	0
158	10/26/2022 11:18	0	0
159	10/26/2022 11:19	0	0
160	10/26/2022 11:20	0	0
161	10/26/2022 11:21	0	0
162	10/26/2022 11:22	0	0
163	10/26/2022 11:23	0	0
164	10/26/2022 11:24	0	0
165	10/26/2022 11:25	0	0
166	10/26/2022 11:26	0	0
167	10/26/2022 11:27	0	0
168	10/26/2022 11:28	0	0
169	10/26/2022 11:29	0	0
170	10/26/2022 11:30	0	0
171	10/26/2022 11:31	0	0
172	10/26/2022 11:32	0	0
173	10/26/2022 11:33	0	0
174	10/26/2022 11:34	0	0
175	10/26/2022 11:35	0	0
176	10/26/2022 11:36	0	0
177	10/26/2022 11:37	0	0
178	10/26/2022 11:38	0	0
179	10/26/2022 11:39	0	0
180	10/26/2022 11:40	0	0
181	10/26/2022 11:41	0	0
182	10/26/2022 11:42	0	0
183	10/26/2022 11:43	0	0
184	10/26/2022 11:44	0	0
185	10/26/2022 11:45	0	0
186	10/26/2022 11:46	0	0
187	10/26/2022 11:47	0	0
188	10/26/2022 11:48	0	0
189	10/26/2022 11:49	0	0
190	10/26/2022 11:50	0	0
191	10/26/2022 11:51	0	0
192	10/26/2022 11:52	0	0
193	10/26/2022 11:53	0	0
194	10/26/2022 11:54	0	0
195	10/26/2022 11:55	0	0
196	10/26/2022 11:56	0	0
197	10/26/2022 11:57	0	0
198	10/26/2022 11:58	0	0
199	10/26/2022 11:59	0	0
200	10/26/2022 12:00	0	0
201	10/26/2022 12:01	0	0
202	10/26/2022 12:02	0	0
203	10/26/2022 12:03	0	0
204	10/26/2022 12:04	0	0
205	10/26/2022 12:05	0	0.1
206	10/26/2022 12:06	0	0.1
207	10/26/2022 12:07	0	0.1
208	10/26/2022 12:08	0	0.1
209	10/26/2022 12:09	0	0.1
210	10/26/2022 12:10	0	0.1
211	10/26/2022 12:11	0	0.1
212	10/26/2022 12:12	0	0.1
213	10/26/2022 12:13	0	0.1
214	10/26/2022 12:14	0	0.1
215	10/26/2022 12:15	0	0.1
216	10/26/2022 12:16	0	0.1
217	10/26/2022 12:17	0	0.1
218	10/26/2022 12:18	0	0.1
219	10/26/2022 12:19	0	0.1
220	10/26/2022 12:20	0	0.1
221	10/26/2022 12:21	0	0.1
222	10/26/2022 12:22	0	0.1
223	10/26/2022 12:23	0	0.1
224	10/26/2022 12:24	0	0.1
225	10/26/2022 12:25	0	0.1
226	10/26/2022 12:26	0	0.1
227	10/26/2022 12:27	0	0.1
228	10/26/2022 12:28	0	0.1
229	10/26/2022 12:29	0	0.1
230	10/26/2022 12:30	0	0.1
231	10/26/2022 12:31	0	0.1
232	10/26/2022 12:32	0	0.1
233	10/26/2022 12:33	0	0.1
234	10/26/2022 12:34	0	0.1
235	10/26/2022 12:35	0	0.1
236	10/26/2022 12:36	0	0.1
237	10/26/2022 12:37	0	0.1
238	10/26/2022 12:38	0	0.1
239	10/26/2022 12:39	0	0.1
240	10/26/2022 12:40	0	0.1
241	10/26/2022 12:41	0	0.1
242	10/26/2022 12:42	0	0.1
243	10/26/2022 12:43	0	0.1
244	10/26/2022 12:44	0	0.1
245	10/26/2022 12:45	0	0.1
246	10/26/2022 12:46	0	0.1
247	10/26/2022 12:47	0	0.1
248	10/26/2022 12:48	0	0.1
249	10/26/2022 12:49	0	0.1
250	10/26/2022 12:50	0	0.1
251	10/26/2022 12:51	0	0.1

252	10/26/2022 12:52	0	0.1
253	10/26/2022 12:53	0	0.1
254	10/26/2022 12:54	0	0.1
255	10/26/2022 12:55	0	0.1
256	10/26/2022 12:56	0	0.1
257	10/26/2022 12:57	0	0.1
258	10/26/2022 12:58	0	0.1
259	10/26/2022 12:59	0	0.1
260	10/26/2022 13:00	0	0.1
261	10/26/2022 13:01	0	0.1
262	10/26/2022 13:02	0	0.1
263	10/26/2022 13:03	0	0.1
264	10/26/2022 13:04	0	0.1
265	10/26/2022 13:05	0	0.1
266	10/26/2022 13:06	0	0.1
267	10/26/2022 13:07	0	0

22/10/26 15:45

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908186
Unit Firmware Ver V2.22A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 00000001
User ID 00000001

Begin 10/26/2022 15:45
End 10/26/2022 17:18
Sample Period(s) 60
Number of Records 92

Sensor PID(ppm)
Sensor SN S023030091S5
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/26/2022 8:40
Peak 0.1
Min 0
Average 0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/26/2022 15:46	0	0	0	0
002	10/26/2022 15:47	0	0	0	0
003	10/26/2022 15:48	0	0	0	0
004	10/26/2022 15:49	0	0	0	0
005	10/26/2022 15:50	0	0	0	0
006	10/26/2022 15:51	0	0	0	0
007	10/26/2022 15:52	0	0	0	0
008	10/26/2022 15:53	0	0	0	0
009	10/26/2022 15:54	0	0	0	0
010	10/26/2022 15:55	0	0	0	0
011	10/26/2022 15:56	0	0	0	0
012	10/26/2022 15:57	0	0	0	0
013	10/26/2022 15:58	0	0	0	0
014	10/26/2022 15:59	0	0	0	0
015	10/26/2022 16:00	0	0	0	0
016	10/26/2022 16:01	0	0	0	0
017	10/26/2022 16:02	0	0	0	0
018	10/26/2022 16:03	0	0	0	0
019	10/26/2022 16:04	0	0	0	0
020	10/26/2022 16:05	0	0	0	0
021	10/26/2022 16:06	0	0	0	0
022	10/26/2022 16:07	0	0	0	0
023	10/26/2022 16:08	0	0	0	0
024	10/26/2022 16:09	0	0	0	0
025	10/26/2022 16:10	0	0	0	0
026	10/26/2022 16:11	0	0	0	0
027	10/26/2022 16:12	0	0	0	0
028	10/26/2022 16:13	0	0	0	0
029	10/26/2022 16:14	0	0	0	0
030	10/26/2022 16:15	0	0	0	0
031	10/26/2022 16:16	0	0	0	0
032	10/26/2022 16:17	0	0	0	0
033	10/26/2022 16:18	0	0	0	0
034	10/26/2022 16:19	0	0	0	0
035	10/26/2022 16:20	0	0	0	0
036	10/26/2022 16:21	0	0	0	0
037	10/26/2022 16:22	0	0	0	0
038	10/26/2022 16:23	0	0	0	0
039	10/26/2022 16:24	0	0	0	0
040	10/26/2022 16:25	0	0	0	0
041	10/26/2022 16:26	0	0	0	0
042	10/26/2022 16:27	0	0	0	0

043	10/26/2022 16:28	0	0	0	0
044	10/26/2022 16:29	0	0	0	0
045	10/26/2022 16:30	0	0	0	0
046	10/26/2022 16:31	0	0	0	0
047	10/26/2022 16:32	0	0	0	0
048	10/26/2022 16:33	0	0	0	0
049	10/26/2022 16:34	0	0	0	0
050	10/26/2022 16:35	0	0	0	0
051	10/26/2022 16:36	0	0	0	0
052	10/26/2022 16:37	0	0	0	0
053	10/26/2022 16:38	0	0	0	0
054	10/26/2022 16:39	0	0	0	0
055	10/26/2022 16:40	0	0	0	0
056	10/26/2022 16:41	0	0	0	0
057	10/26/2022 16:42	0	0	0	0
058	10/26/2022 16:43	0	0	0	0
059	10/26/2022 16:44	0	0	0	0
060	10/26/2022 16:45	0	0	0	0
061	10/26/2022 16:46	0	0	0	0
062	10/26/2022 16:47	0	0	0	0
063	10/26/2022 16:48	0	0	0	0
064	10/26/2022 16:49	0	0	0	0
065	10/26/2022 16:50	0	0	0	0
066	10/26/2022 16:51	0	0	0	0
067	10/26/2022 16:52	0	0	0	0
068	10/26/2022 16:53	0	0	0.1	0
069	10/26/2022 16:54	0	0	0	0
070	10/26/2022 16:55	0	0	0	0
071	10/26/2022 16:56	0	0	0	0
072	10/26/2022 16:57	0	0	0	0
073	10/26/2022 16:58	0	0	0.1	0.1
074	10/26/2022 16:59	0	0	0.1	0
075	10/26/2022 17:00	0	0	0	0
076	10/26/2022 17:01	0	0	0.1	0.1
077	10/26/2022 17:02	0	0	0.1	0.1
078	10/26/2022 17:03	0.1	0.1	0.1	0.1
079	10/26/2022 17:04	0	0.1	0.1	0.1
080	10/26/2022 17:05	0.1	0.1	0.1	0.1
081	10/26/2022 17:06	0	0.1	0.1	0.1
082	10/26/2022 17:07	0.1	0.1	0.1	0.1
083	10/26/2022 17:08	0.1	0.1	0.1	0.1
084	10/26/2022 17:09	0	0.1	0.1	0.1
085	10/26/2022 17:10	0.1	0.1	0.1	0.1
086	10/26/2022 17:11	0.1	0.1	0.1	0.1
087	10/26/2022 17:12	0.1	0.1	0.1	0.1
088	10/26/2022 17:13	0.1	0.1	0.1	0.1
089	10/26/2022 17:14	0.1	0.1	0.1	0.1
090	10/26/2022 17:15	0.1	0.1	0.1	0.1
091	10/26/2022 17:16	0.1	0.1	0.1	0.1
092	10/26/2022 17:17	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.1	0.1
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/26/2022 15:46	0	---
002	10/26/2022 15:47	0	---
003	10/26/2022 15:48	0	---
004	10/26/2022 15:49	0	---
005	10/26/2022 15:50	0	---
006	10/26/2022 15:51	0	---
007	10/26/2022 15:52	0	---
008	10/26/2022 15:53	0	---
009	10/26/2022 15:54	0	---
010	10/26/2022 15:55	0	---
011	10/26/2022 15:56	0	---
012	10/26/2022 15:57	0	---
013	10/26/2022 15:58	0	---
014	10/26/2022 15:59	0	---
015	10/26/2022 16:00	0	0
016	10/26/2022 16:01	0	0
017	10/26/2022 16:02	0	0
018	10/26/2022 16:03	0	0
019	10/26/2022 16:04	0	0
020	10/26/2022 16:05	0	0
021	10/26/2022 16:06	0	0
022	10/26/2022 16:07	0	0
023	10/26/2022 16:08	0	0
024	10/26/2022 16:09	0	0
025	10/26/2022 16:10	0	0
026	10/26/2022 16:11	0	0
027	10/26/2022 16:12	0	0
028	10/26/2022 16:13	0	0
029	10/26/2022 16:14	0	0
030	10/26/2022 16:15	0	0
031	10/26/2022 16:16	0	0
032	10/26/2022 16:17	0	0
033	10/26/2022 16:18	0	0
034	10/26/2022 16:19	0	0
035	10/26/2022 16:20	0	0
036	10/26/2022 16:21	0	0
037	10/26/2022 16:22	0	0
038	10/26/2022 16:23	0	0
039	10/26/2022 16:24	0	0
040	10/26/2022 16:25	0	0
041	10/26/2022 16:26	0	0
042	10/26/2022 16:27	0	0

043	10/26/2022 16:28	0	0
044	10/26/2022 16:29	0	0
045	10/26/2022 16:30	0	0
046	10/26/2022 16:31	0	0
047	10/26/2022 16:32	0	0
048	10/26/2022 16:33	0	0
049	10/26/2022 16:34	0	0
050	10/26/2022 16:35	0	0
051	10/26/2022 16:36	0	0
052	10/26/2022 16:37	0	0
053	10/26/2022 16:38	0	0
054	10/26/2022 16:39	0	0
055	10/26/2022 16:40	0	0
056	10/26/2022 16:41	0	0
057	10/26/2022 16:42	0	0
058	10/26/2022 16:43	0	0
059	10/26/2022 16:44	0	0
060	10/26/2022 16:45	0	0
061	10/26/2022 16:46	0	0
062	10/26/2022 16:47	0	0
063	10/26/2022 16:48	0	0
064	10/26/2022 16:49	0	0
065	10/26/2022 16:50	0	0
066	10/26/2022 16:51	0	0
067	10/26/2022 16:52	0	0
068	10/26/2022 16:53	0	0
069	10/26/2022 16:54	0	0
070	10/26/2022 16:55	0	0
071	10/26/2022 16:56	0	0
072	10/26/2022 16:57	0	0
073	10/26/2022 16:58	0	0
074	10/26/2022 16:59	0	0
075	10/26/2022 17:00	0	0
076	10/26/2022 17:01	0	0
077	10/26/2022 17:02	0	0
078	10/26/2022 17:03	0	0
079	10/26/2022 17:04	0	0
080	10/26/2022 17:05	0	0
081	10/26/2022 17:06	0	0
082	10/26/2022 17:07	0	0.1
083	10/26/2022 17:08	0	0.1
084	10/26/2022 17:09	0	0.1
085	10/26/2022 17:10	0	0.1
086	10/26/2022 17:11	0	0.1
087	10/26/2022 17:12	0	0.1
088	10/26/2022 17:13	0	0.1
089	10/26/2022 17:14	0	0.1
090	10/26/2022 17:15	0	0.1
091	10/26/2022 17:16	0	0.1
092	10/26/2022 17:17	0	0.1

22/10/27 08:45

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-908186
Unit Firmware Ver V2.22A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID 00000001
User ID 00000001

Begin 10/27/2022 8:45
End 10/27/2022 8:58
Sample Period(s) 60
Number of Records 12

Sensor PID(ppm)
Sensor SN S023030091S5
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/26/2022 8:40
Peak 0
Min 0
Average 0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/27/2022 8:46	0	0	0	0
002	10/27/2022 8:47	0	0	0	0
003	10/27/2022 8:48	0	0	0	0
004	10/27/2022 8:49	0	0	0	0
005	10/27/2022 8:50	0	0	0	0
006	10/27/2022 8:51	0	0	0	0
007	10/27/2022 8:52	0	0	0	0
008	10/27/2022 8:53	0	0	0	0

009	10/27/2022 8:54	0	0	0	0
010	10/27/2022 8:55	0	0	0	0
011	10/27/2022 8:56	0	0	0	0
012	10/27/2022 8:57	0	0	0	0
Peak		0	0	0	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/27/2022 8:46	0	---
002	10/27/2022 8:47	0	---
003	10/27/2022 8:48	0	---
004	10/27/2022 8:49	0	---
005	10/27/2022 8:50	0	---
006	10/27/2022 8:51	0	---
007	10/27/2022 8:52	0	---
008	10/27/2022 8:53	0	---
009	10/27/2022 8:54	0	---
010	10/27/2022 8:55	0	---
011	10/27/2022 8:56	0	---
012	10/27/2022 8:57	0	---

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22/10/27 09:03

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	00000001
User ID	00000001

Begin	10/27/2022 9:03
End	10/27/2022 12:27
Sample Period(s)	60
Number of Records	203

Sensor	PID(ppm)
Sensor SN	S023030091S5
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/27/2022 9:03
Peak	0.2
Min	0
Average	0.1

Datalog

Index	Date/Time	PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
		(Min)	(Avg)	(Max)	(Real)
001	10/27/2022 9:04	0	0	0	0.1
002	10/27/2022 9:05	0	0	0	0
003	10/27/2022 9:06	0	0	0	0
004	10/27/2022 9:07	0	0	0	0
005	10/27/2022 9:08	0	0	0	0
006	10/27/2022 9:09	0	0	0	0
007	10/27/2022 9:10	0	0	0	0
008	10/27/2022 9:11	0	0	0	0
009	10/27/2022 9:12	0	0	0	0
010	10/27/2022 9:13	0	0	0	0
011	10/27/2022 9:14	0	0	0	0
012	10/27/2022 9:15	0	0	0	0
013	10/27/2022 9:16	0	0	0	0
014	10/27/2022 9:17	0	0	0	0
015	10/27/2022 9:18	0	0	0	0
016	10/27/2022 9:19	0	0	0	0
017	10/27/2022 9:20	0	0	0	0
018	10/27/2022 9:21	0	0	0	0
019	10/27/2022 9:22	0	0	0	0
020	10/27/2022 9:23	0	0	0	0
021	10/27/2022 9:24	0	0	0	0
022	10/27/2022 9:25	0	0	0	0
023	10/27/2022 9:26	0	0.1	0.2	0
024	10/27/2022 9:27	0	0.1	0.1	0.1
025	10/27/2022 9:28	0.1	0.1	0.2	0.1
026	10/27/2022 9:29	0.1	0.1	0.1	0.1
027	10/27/2022 9:30	0	0.1	0.1	0.1
028	10/27/2022 9:31	0.1	0.1	0.1	0.1
029	10/27/2022 9:32	0	0.1	0.1	0.1
030	10/27/2022 9:33	0	0.1	0.1	0.1
031	10/27/2022 9:34	0.1	0.1	0.1	0.1
032	10/27/2022 9:35	0.1	0.1	0.1	0.1
033	10/27/2022 9:36	0.1	0.1	0.1	0.1
034	10/27/2022 9:37	0.1	0.1	0.1	0.1

035		10/27/2022 9:38	0.1	0.1	0.1	0.1
036		10/27/2022 9:39	0	0.1	0.1	0
037		10/27/2022 9:40	0	0.1	0.1	0.1
038		10/27/2022 9:41	0	0	0.1	0.1
039		10/27/2022 9:42	0	0.1	0.1	0.1
040		10/27/2022 9:43	0.1	0.1	0.1	0.1
041		10/27/2022 9:44	0.1	0.1	0.1	0.1
042		10/27/2022 9:45	0.1	0.1	0.1	0.1
043		10/27/2022 9:46	0.1	0.1	0.1	0.1
044		10/27/2022 9:47	0.1	0.1	0.1	0.1
045		10/27/2022 9:48	0.1	0.1	0.1	0.1
046		10/27/2022 9:49	0.1	0.1	0.1	0.1
047		10/27/2022 9:50	0.1	0.1	0.1	0.1
048		10/27/2022 9:51	0.1	0.1	0.1	0.1
049		10/27/2022 9:52	0.1	0.1	0.1	0.1
050		10/27/2022 9:53	0.1	0.1	0.1	0.1
051		10/27/2022 9:54	0.1	0.1	0.1	0.1
052		10/27/2022 9:55	0.1	0.1	0.1	0.1
053		10/27/2022 9:56	0.1	0.1	0.1	0.1
054		10/27/2022 9:57	0.1	0.1	0.1	0.1
055		10/27/2022 9:58	0.1	0.1	0.1	0.1
056		10/27/2022 9:59	0.1	0.1	0.1	0.1
057		10/27/2022 10:00	0.1	0.1	0.1	0.1
058		10/27/2022 10:01	0.1	0.1	0.1	0.1
059		10/27/2022 10:02	0.1	0.1	0.1	0.1
060		10/27/2022 10:03	0.1	0.1	0.1	0.1
061		10/27/2022 10:04	0.1	0.1	0.1	0.1
062		10/27/2022 10:05	0.1	0.1	0.1	0.1
063		10/27/2022 10:06	0.1	0.1	0.1	0.1
064		10/27/2022 10:07	0.1	0.1	0.2	0.1
065		10/27/2022 10:08	0.1	0.1	0.1	0.1
066		10/27/2022 10:09	0.1	0.1	0.1	0.1
067		10/27/2022 10:10	0.1	0.1	0.1	0.1
068		10/27/2022 10:11	0.1	0.1	0.1	0.1
069		10/27/2022 10:12	0.1	0.1	0.1	0.1
070		10/27/2022 10:13	0.1	0.1	0.1	0.1
071		10/27/2022 10:14	0.1	0.1	0.2	0.1
072		10/27/2022 10:15	0.1	0.1	0.1	0.1
073		10/27/2022 10:16	0.1	0.1	0.1	0.1
074		10/27/2022 10:17	0.1	0.1	0.1	0.1
075		10/27/2022 10:18	0.1	0.1	0.1	0.1
076		10/27/2022 10:19	0.1	0.1	0.2	0.1
077		10/27/2022 10:20	0.1	0.1	0.1	0.1
078		10/27/2022 10:21	0.1	0.1	0.1	0.1
079		10/27/2022 10:22	0.1	0.1	0.1	0.1
080		10/27/2022 10:23	0.1	0.1	0.1	0.1
081		10/27/2022 10:24	0.1	0.1	0.1	0.1
082		10/27/2022 10:25	0.1	0.1	0.1	0.1
083		10/27/2022 10:26	0.1	0.1	0.1	0.1
084		10/27/2022 10:27	0.1	0.1	0.1	0.1
085		10/27/2022 10:28	0.1	0.1	0.1	0.1
086		10/27/2022 10:29	0.1	0.1	0.1	0.1
087		10/27/2022 10:30	0.1	0.1	0.1	0.1
088		10/27/2022 10:31	0.1	0.1	0.1	0.1
089		10/27/2022 10:32	0.1	0.1	0.1	0.1
090		10/27/2022 10:33	0.1	0.1	0.1	0.1
091		10/27/2022 10:34	0.1	0.1	0.1	0.1
092		10/27/2022 10:35	0.1	0.1	0.1	0.1
093		10/27/2022 10:36	0.1	0.1	0.1	0.1
094		10/27/2022 10:37	0.1	0.1	0.1	0.1
095		10/27/2022 10:38	0.1	0.1	0.1	0.1
096		10/27/2022 10:39	0.1	0.1	0.1	0.1
097		10/27/2022 10:40	0.1	0.1	0.1	0.1
098		10/27/2022 10:41	0.1	0.1	0.1	0.1
099		10/27/2022 10:42	0.1	0.1	0.1	0.1
	100	10/27/2022 10:43	0.1	0.1	0.1	0.1
	101	10/27/2022 10:44	0.1	0.1	0.1	0.1
	102	10/27/2022 10:45	0.1	0.1	0.1	0.1
	103	10/27/2022 10:46	0.1	0.1	0.1	0.1
	104	10/27/2022 10:47	0.1	0.1	0.1	0.1
	105	10/27/2022 10:48	0.1	0.1	0.1	0.1
	106	10/27/2022 10:49	0.1	0.1	0.1	0.1
	107	10/27/2022 10:50	0.1	0.1	0.1	0.1
	108	10/27/2022 10:51	0.1	0.1	0.1	0.1
	109	10/27/2022 10:52	0.1	0.1	0.1	0.1
	110	10/27/2022 10:53	0.1	0.1	0.1	0.1
	111	10/27/2022 10:54	0.1	0.1	0.1	0.1
	112	10/27/2022 10:55	0.1	0.1	0.2	0.2
	113	10/27/2022 10:56	0.1	0.1	0.2	0.1
	114	10/27/2022 10:57	0.1	0.1	0.1	0.1
	115	10/27/2022 10:58	0.1	0.1	0.1	0.1
	116	10/27/2022 10:59	0.1	0.1	0.1	0.1
	117	10/27/2022 11:00	0.1	0.1	0.1	0.1
	118	10/27/2022 11:01	0.1	0.1	0.1	0.1
	119	10/27/2022 11:02	0.1	0.1	0.1	0.1
	120	10/27/2022 11:03	0.1	0.1	0.1	0.1
	121	10/27/2022 11:04	0.1	0.1	0.1	0.1
	122	10/27/2022 11:05	0.1	0.1	0.1	0.1
	123	10/27/2022 11:06	0.1	0.1	0.1	0.1
	124	10/27/2022 11:07	0.1	0.1	0.1	0.1
	125	10/27/2022 11:08	0.1	0.1	0.1	0.1
	126	10/27/2022 11:09	0.1	0.1	0.1	0.1
	127	10/27/2022 11:10	0.1	0.1	0.1	0.1
	128	10/27/2022 11:11	0.1	0.1	0.1	0.1
	129	10/27/2022 11:12	0.1	0.1	0.1	0.1
	130	10/27/2022 11:13	0.1	0.1	0.1	0.1
	131	10/27/2022 11:14	0.1	0.1	0.1	0.1
	132	10/27/2022 11:15	0.1	0.1	0.1	0.1
	133	10/27/2022 11:16	0.1	0.1	0.1	0.1
	134	10/27/2022 11:17	0.1	0.1	0.1	0.1

	135	10/27/2022 11:18	0.1	0.1	0.1	0.1
	136	10/27/2022 11:19	0.1	0.1	0.1	0.1
	137	10/27/2022 11:20	0.1	0.1	0.1	0.1
	138	10/27/2022 11:21	0.1	0.1	0.1	0.1
	139	10/27/2022 11:22	0.1	0.1	0.1	0.1
	140	10/27/2022 11:23	0.1	0.1	0.1	0.1
	141	10/27/2022 11:24	0.1	0.1	0.1	0.1
	142	10/27/2022 11:25	0.1	0.1	0.1	0.1
	143	10/27/2022 11:26	0.1	0.1	0.1	0.1
	144	10/27/2022 11:27	0.1	0.1	0.1	0.1
	145	10/27/2022 11:28	0.1	0.1	0.1	0.1
	146	10/27/2022 11:29	0.1	0.1	0.1	0.1
	147	10/27/2022 11:30	0.1	0.1	0.1	0.1
	148	10/27/2022 11:31	0.1	0.1	0.1	0.1
	149	10/27/2022 11:32	0.1	0.1	0.1	0.1
	150	10/27/2022 11:33	0.1	0.1	0.1	0.1
	151	10/27/2022 11:34	0.1	0.1	0.2	0.1
	152	10/27/2022 11:35	0.1	0.1	0.1	0.1
	153	10/27/2022 11:36	0.1	0.1	0.1	0.1
	154	10/27/2022 11:37	0.1	0.1	0.1	0.1
	155	10/27/2022 11:38	0.1	0.1	0.2	0.1
	156	10/27/2022 11:39	0.1	0.1	0.1	0.1
	157	10/27/2022 11:40	0.1	0.1	0.1	0.1
	158	10/27/2022 11:41	0.1	0.1	0.1	0.1
	159	10/27/2022 11:42	0.1	0.1	0.2	0.1
	160	10/27/2022 11:43	0.1	0.1	0.2	0.1
	161	10/27/2022 11:44	0.1	0.1	0.1	0.1
	162	10/27/2022 11:45	0.1	0.1	0.1	0.1
	163	10/27/2022 11:46	0.1	0.1	0.1	0.1
	164	10/27/2022 11:47	0.1	0.1	0.1	0.1
	165	10/27/2022 11:48	0.1	0.1	0.1	0.1
	166	10/27/2022 11:49	0.1	0.1	0.1	0.1
	167	10/27/2022 11:50	0.1	0.1	0.1	0.1
	168	10/27/2022 11:51	0.1	0.1	0.1	0.1
	169	10/27/2022 11:52	0.1	0.1	0.1	0.1
	170	10/27/2022 11:53	0.1	0.1	0.1	0.1
	171	10/27/2022 11:54	0.1	0.1	0.1	0.1
	172	10/27/2022 11:55	0.1	0.1	0.1	0.1
	173	10/27/2022 11:56	0.1	0.1	0.1	0.1
	174	10/27/2022 11:57	0.1	0.1	0.1	0.1
	175	10/27/2022 11:58	0.1	0.1	0.1	0.1
	176	10/27/2022 11:59	0.1	0.1	0.3	0.1
	177	10/27/2022 12:00	0.1	0.1	0.2	0.1
	178	10/27/2022 12:01	0.1	0.1	0.1	0.1
	179	10/27/2022 12:02	0.1	0.1	0.3	0.1
	180	10/27/2022 12:03	0.1	0.2	0.4	0.2
	181	10/27/2022 12:04	0.1	0.1	0.3	0.1
	182	10/27/2022 12:05	0.1	0.1	0.1	0.1
	183	10/27/2022 12:06	0.1	0.1	0.1	0.1
	184	10/27/2022 12:07	0.1	0.1	0.1	0.1
	185	10/27/2022 12:08	0.1	0.1	0.1	0.1
	186	10/27/2022 12:09	0.1	0.1	0.1	0.1
	187	10/27/2022 12:10	0.1	0.1	0.1	0.1
	188	10/27/2022 12:11	0.1	0.1	0.1	0.1
	189	10/27/2022 12:12	0.1	0.1	0.1	0.1
	190	10/27/2022 12:13	0.1	0.1	0.1	0.1
	191	10/27/2022 12:14	0.1	0.1	0.1	0.1
	192	10/27/2022 12:15	0.1	0.1	0.1	0.1
	193	10/27/2022 12:16	0.1	0.1	0.1	0.1
	194	10/27/2022 12:17	0.1	0.1	0.1	0.1
	195	10/27/2022 12:18	0.1	0.1	0.1	0.1
	196	10/27/2022 12:19	0.1	0.1	0.1	0.1
	197	10/27/2022 12:20	0.1	0.1	0.1	0.1
	198	10/27/2022 12:21	0.1	0.1	0.1	0.1
	199	10/27/2022 12:22	0.1	0.1	0.1	0.1
	200	10/27/2022 12:23	0.1	0.1	0.1	0.1
	201	10/27/2022 12:24	0.1	0.1	0.1	0.1
	202	10/27/2022 12:25	0.1	0.1	0.1	0.1
	203	10/27/2022 12:26	0.1	0.1	0.1	0.1
Peak			0.1	0.2	0.4	0.2
Min			0	0	0	0
Average			0.1	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/27/2022 9:04	0	---
002	10/27/2022 9:05	0	---
003	10/27/2022 9:06	0	---
004	10/27/2022 9:07	0	---
005	10/27/2022 9:08	0	---
006	10/27/2022 9:09	0	---
007	10/27/2022 9:10	0	---
008	10/27/2022 9:11	0	---
009	10/27/2022 9:12	0	---
010	10/27/2022 9:13	0	---
011	10/27/2022 9:14	0	---
012	10/27/2022 9:15	0	---
013	10/27/2022 9:16	0	---
014	10/27/2022 9:17	0	---
015	10/27/2022 9:18	0	0
016	10/27/2022 9:19	0	0
017	10/27/2022 9:20	0	0
018	10/27/2022 9:21	0	0
019	10/27/2022 9:22	0	0
020	10/27/2022 9:23	0	0
021	10/27/2022 9:24	0	0
022	10/27/2022 9:25	0	0
023	10/27/2022 9:26	0	0

024		10/27/2022 9:27	0	0
025		10/27/2022 9:28	0	0
026		10/27/2022 9:29	0	0
027		10/27/2022 9:30	0	0
028		10/27/2022 9:31	0	0
029		10/27/2022 9:32	0	0
030		10/27/2022 9:33	0	0
031		10/27/2022 9:34	0	0.1
032		10/27/2022 9:35	0	0.1
033		10/27/2022 9:36	0	0.1
034		10/27/2022 9:37	0	0.1
035		10/27/2022 9:38	0	0.1
036		10/27/2022 9:39	0	0.1
037		10/27/2022 9:40	0	0.1
038		10/27/2022 9:41	0	0.1
039		10/27/2022 9:42	0	0.1
040		10/27/2022 9:43	0	0.1
041		10/27/2022 9:44	0	0.1
042		10/27/2022 9:45	0	0.1
043		10/27/2022 9:46	0	0.1
044		10/27/2022 9:47	0	0.1
045		10/27/2022 9:48	0	0.1
046		10/27/2022 9:49	0	0.1
047		10/27/2022 9:50	0	0.1
048		10/27/2022 9:51	0	0.1
049		10/27/2022 9:52	0	0.1
050		10/27/2022 9:53	0	0.1
051		10/27/2022 9:54	0	0.1
052		10/27/2022 9:55	0	0.1
053		10/27/2022 9:56	0	0.1
054		10/27/2022 9:57	0	0.1
055		10/27/2022 9:58	0	0.1
056		10/27/2022 9:59	0	0.1
057		10/27/2022 10:00	0	0.1
058		10/27/2022 10:01	0	0.1
059		10/27/2022 10:02	0	0.1
060		10/27/2022 10:03	0	0.1
061		10/27/2022 10:04	0	0.1
062		10/27/2022 10:05	0	0.1
063		10/27/2022 10:06	0	0.1
064		10/27/2022 10:07	0	0.1
065		10/27/2022 10:08	0	0.1
066		10/27/2022 10:09	0	0.1
067		10/27/2022 10:10	0	0.1
068		10/27/2022 10:11	0	0.1
069		10/27/2022 10:12	0	0.1
070		10/27/2022 10:13	0	0.1
071		10/27/2022 10:14	0	0.1
072		10/27/2022 10:15	0	0.1
073		10/27/2022 10:16	0	0.1
074		10/27/2022 10:17	0	0.1
075		10/27/2022 10:18	0	0.1
076		10/27/2022 10:19	0	0.1
077		10/27/2022 10:20	0	0.1
078		10/27/2022 10:21	0	0.1
079		10/27/2022 10:22	0	0.1
080		10/27/2022 10:23	0	0.1
081		10/27/2022 10:24	0	0.1
082		10/27/2022 10:25	0	0.1
083		10/27/2022 10:26	0	0.1
084		10/27/2022 10:27	0	0.1
085		10/27/2022 10:28	0	0.1
086		10/27/2022 10:29	0	0.1
087		10/27/2022 10:30	0	0.1
088		10/27/2022 10:31	0	0.1
089		10/27/2022 10:32	0	0.1
090		10/27/2022 10:33	0	0.1
091		10/27/2022 10:34	0	0.1
092		10/27/2022 10:35	0	0.1
093		10/27/2022 10:36	0	0.1
094		10/27/2022 10:37	0	0.1
095		10/27/2022 10:38	0	0.1
096		10/27/2022 10:39	0	0.1
097		10/27/2022 10:40	0	0.1
098		10/27/2022 10:41	0	0.1
099		10/27/2022 10:42	0	0.1
	100	10/27/2022 10:43	0	0.1
	101	10/27/2022 10:44	0	0.1
	102	10/27/2022 10:45	0	0.1
	103	10/27/2022 10:46	0	0.1
	104	10/27/2022 10:47	0	0.1
	105	10/27/2022 10:48	0	0.1
	106	10/27/2022 10:49	0	0.1
	107	10/27/2022 10:50	0	0.1
	108	10/27/2022 10:51	0	0.1
	109	10/27/2022 10:52	0	0.1
	110	10/27/2022 10:53	0	0.1
	111	10/27/2022 10:54	0	0.1
	112	10/27/2022 10:55	0	0.1
	113	10/27/2022 10:56	0	0.1
	114	10/27/2022 10:57	0	0.1
	115	10/27/2022 10:58	0	0.1
	116	10/27/2022 10:59	0	0.1
	117	10/27/2022 11:00	0	0.1
	118	10/27/2022 11:01	0	0.1
	119	10/27/2022 11:02	0	0.1
	120	10/27/2022 11:03	0	0.1
	121	10/27/2022 11:04	0	0.1
	122	10/27/2022 11:05	0	0.1
	123	10/27/2022 11:06	0	0.1

124	10/27/2022 11:07	0	0.1
125	10/27/2022 11:08	0	0.1
126	10/27/2022 11:09	0	0.1
127	10/27/2022 11:10	0	0.1
128	10/27/2022 11:11	0	0.1
129	10/27/2022 11:12	0	0.1
130	10/27/2022 11:13	0	0.1
131	10/27/2022 11:14	0	0.1
132	10/27/2022 11:15	0	0.1
133	10/27/2022 11:16	0	0.1
134	10/27/2022 11:17	0	0.1
135	10/27/2022 11:18	0	0.1
136	10/27/2022 11:19	0	0.1
137	10/27/2022 11:20	0	0.1
138	10/27/2022 11:21	0	0.1
139	10/27/2022 11:22	0	0.1
140	10/27/2022 11:23	0	0.1
141	10/27/2022 11:24	0	0.1
142	10/27/2022 11:25	0	0.1
143	10/27/2022 11:26	0	0.1
144	10/27/2022 11:27	0	0.1
145	10/27/2022 11:28	0	0.1
146	10/27/2022 11:29	0	0.1
147	10/27/2022 11:30	0	0.1
148	10/27/2022 11:31	0	0.1
149	10/27/2022 11:32	0	0.1
150	10/27/2022 11:33	0	0.1
151	10/27/2022 11:34	0	0.1
152	10/27/2022 11:35	0	0.1
153	10/27/2022 11:36	0	0.1
154	10/27/2022 11:37	0	0.1
155	10/27/2022 11:38	0	0.1
156	10/27/2022 11:39	0	0.1
157	10/27/2022 11:40	0	0.1
158	10/27/2022 11:41	0	0.1
159	10/27/2022 11:42	0	0.1
160	10/27/2022 11:43	0	0.1
161	10/27/2022 11:44	0	0.1
162	10/27/2022 11:45	0	0.1
163	10/27/2022 11:46	0	0.1
164	10/27/2022 11:47	0	0.1
165	10/27/2022 11:48	0	0.1
166	10/27/2022 11:49	0	0.1
167	10/27/2022 11:50	0	0.1
168	10/27/2022 11:51	0	0.1
169	10/27/2022 11:52	0	0.1
170	10/27/2022 11:53	0	0.1
171	10/27/2022 11:54	0	0.1
172	10/27/2022 11:55	0	0.1
173	10/27/2022 11:56	0	0.1
174	10/27/2022 11:57	0	0.1
175	10/27/2022 11:58	0	0.1
176	10/27/2022 11:59	0	0.1
177	10/27/2022 12:00	0	0.1
178	10/27/2022 12:01	0	0.1
179	10/27/2022 12:02	0	0.1
180	10/27/2022 12:03	0	0.1
181	10/27/2022 12:04	0	0.1
182	10/27/2022 12:05	0	0.1
183	10/27/2022 12:06	0	0.1
184	10/27/2022 12:07	0	0.1
185	10/27/2022 12:08	0	0.1
186	10/27/2022 12:09	0	0.1
187	10/27/2022 12:10	0	0.1
188	10/27/2022 12:11	0	0.1
189	10/27/2022 12:12	0	0.1
190	10/27/2022 12:13	0	0.1
191	10/27/2022 12:14	0	0.1
192	10/27/2022 12:15	0	0.1
193	10/27/2022 12:16	0	0.1
194	10/27/2022 12:17	0	0.1
195	10/27/2022 12:18	0	0.1
196	10/27/2022 12:19	0	0.1
197	10/27/2022 12:20	0	0.1
198	10/27/2022 12:21	0	0.1
199	10/27/2022 12:22	0	0.1
200	10/27/2022 12:23	0	0.1
201	10/27/2022 12:24	0	0.1
202	10/27/2022 12:25	0	0.1
203	10/27/2022 12:26	0	0.1

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22/10/27 13:15

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	00000001
User ID	00000001
Begin	10/27/2022 13:15
End	10/27/2022 17:52
Sample Period(s)	60

Number of Records276

SensorPID(ppm)
Sensor SNS023030091S5
Measure TypeMin; Avg; Max; Real
Span100
Span 21000
Low Alarm50
High Alarm100
Over Alarm15000
STEL Alarm25
TWA Alarm10
Measurement GasIsobutylene
Calibration Time10/27/2022 9:03
Peak0.1
Min0
Average0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/27/2022 13:16	0	0	0	0
002	10/27/2022 13:17	0	0	0	0
003	10/27/2022 13:18	0	0	0	0
004	10/27/2022 13:19	0	0	0	0
005	10/27/2022 13:20	0	0	0	0
006	10/27/2022 13:21	0	0	0	0
007	10/27/2022 13:22	0	0	0	0
008	10/27/2022 13:23	0	0	0	0
009	10/27/2022 13:24	0	0	0	0
010	10/27/2022 13:25	0	0	0	0
011	10/27/2022 13:26	0	0	0	0
012	10/27/2022 13:27	0	0	0	0
013	10/27/2022 13:28	0	0	0	0
014	10/27/2022 13:29	0	0	0	0
015	10/27/2022 13:30	0	0	0	0
016	10/27/2022 13:31	0	0	0	0
017	10/27/2022 13:32	0	0	0	0
018	10/27/2022 13:33	0	0	0	0
019	10/27/2022 13:34	0	0	0	0
020	10/27/2022 13:35	0	0	0	0
021	10/27/2022 13:36	0	0	0	0
022	10/27/2022 13:37	0	0	0	0
023	10/27/2022 13:38	0	0	0	0
024	10/27/2022 13:39	0	0	0	0
025	10/27/2022 13:40	0	0	0	0
026	10/27/2022 13:41	0	0	0	0
027	10/27/2022 13:42	0	0	0	0
028	10/27/2022 13:43	0	0	0	0
029	10/27/2022 13:44	0	0	0	0
030	10/27/2022 13:45	0	0	0	0
031	10/27/2022 13:46	0	0	0	0
032	10/27/2022 13:47	0	0	0	0
033	10/27/2022 13:48	0	0	0	0
034	10/27/2022 13:49	0	0	0	0
035	10/27/2022 13:50	0	0	0	0
036	10/27/2022 13:51	0	0	0	0
037	10/27/2022 13:52	0	0	0	0
038	10/27/2022 13:53	0	0	0	0
039	10/27/2022 13:54	0	0	0	0
040	10/27/2022 13:55	0	0	0	0
041	10/27/2022 13:56	0	0	0	0
042	10/27/2022 13:57	0	0	0	0
043	10/27/2022 13:58	0	0	0	0
044	10/27/2022 13:59	0	0	0	0
045	10/27/2022 14:00	0	0	0	0
046	10/27/2022 14:01	0	0	0	0
047	10/27/2022 14:02	0	0	0	0
048	10/27/2022 14:03	0	0	0	0
049	10/27/2022 14:04	0	0.1	0.7	0.1
050	10/27/2022 14:05	0	0.1	0.1	0
051	10/27/2022 14:06	0	0	0	0
052	10/27/2022 14:07	0	0	0	0
053	10/27/2022 14:08	0	0	0.1	0.1
054	10/27/2022 14:09	0	0.1	0.1	0.1
055	10/27/2022 14:10	0	0.1	0.1	0
056	10/27/2022 14:11	0	0	0	0
057	10/27/2022 14:12	0	0	0.1	0
058	10/27/2022 14:13	0	0	0.1	0
059	10/27/2022 14:14	0	0	0.1	0.1
060	10/27/2022 14:15	0	0	0.1	0.1
061	10/27/2022 14:16	0	0.1	0.1	0
062	10/27/2022 14:17	0	0	0.1	0.1
063	10/27/2022 14:18	0	0	0.1	0.1
064	10/27/2022 14:19	0	0	0.1	0.1
065	10/27/2022 14:20	0	0.1	0.1	0
066	10/27/2022 14:21	0	0	0.1	0
067	10/27/2022 14:22	0	0	0.1	0.1
068	10/27/2022 14:23	0	0.1	0.1	0.1
069	10/27/2022 14:24	0	0	0.1	0
070	10/27/2022 14:25	0	0	0	0
071	10/27/2022 14:26	0	0	0	0
072	10/27/2022 14:27	0	0	0.1	0
073	10/27/2022 14:28	0	0	0.1	0
074	10/27/2022 14:29	0	0.1	0.1	0.1
075	10/27/2022 14:30	0	0.1	0.1	0.1
076	10/27/2022 14:31	0	0.1	0.1	0.1
077	10/27/2022 14:32	0	0.1	0.1	0.1
078	10/27/2022 14:33	0	0.1	0.1	0

079		10/27/2022 14:34	0	0	0.1	0.1
080		10/27/2022 14:35	0	0.1	0.1	0.1
081		10/27/2022 14:36	0	0.1	0.1	0.1
082		10/27/2022 14:37	0	0.1	0.1	0.1
083		10/27/2022 14:38	0	0.1	0.1	0.1
084		10/27/2022 14:39	0	0.1	0.1	0.1
085		10/27/2022 14:40	0	0.1	0.1	0.1
086		10/27/2022 14:41	0	0.1	0.1	0.1
087		10/27/2022 14:42	0	0	0.1	0.1
088		10/27/2022 14:43	0	0.1	0.1	0
089		10/27/2022 14:44	0	0	0.1	0
090		10/27/2022 14:45	0	0	0.1	0
091		10/27/2022 14:46	0	0	0.1	0
092		10/27/2022 14:47	0	0.1	0.1	0.1
093		10/27/2022 14:48	0	0	0.1	0
094		10/27/2022 14:49	0	0	0.1	0
095		10/27/2022 14:50	0	0	0.1	0
096		10/27/2022 14:51	0	0	0.1	0
097		10/27/2022 14:52	0	0	0.1	0.1
098		10/27/2022 14:53	0	0.1	0.1	0.1
099		10/27/2022 14:54	0	0.1	0.1	0.1
	100	10/27/2022 14:55	0	0	0.1	0
	101	10/27/2022 14:56	0	0.1	0.1	0
	102	10/27/2022 14:57	0	0.1	0.1	0.1
	103	10/27/2022 14:58	0.1	0.1	0.1	0.1
	104	10/27/2022 14:59	0.1	0.1	0.1	0.1
	105	10/27/2022 15:00	0.1	0.1	0.1	0.1
	106	10/27/2022 15:01	0.1	0.1	0.1	0.1
	107	10/27/2022 15:02	0.1	0.1	0.1	0.1
	108	10/27/2022 15:03	0.1	0.1	0.1	0.1
	109	10/27/2022 15:04	0.1	0.1	0.1	0.1
	110	10/27/2022 15:05	0.1	0.1	0.1	0.1
	111	10/27/2022 15:06	0.1	0.1	0.1	0.1
	112	10/27/2022 15:07	0.1	0.1	0.1	0.1
	113	10/27/2022 15:08	0.1	0.1	0.1	0.1
	114	10/27/2022 15:09	0.1	0.1	0.1	0.1
	115	10/27/2022 15:10	0.1	0.1	0.1	0.1
	116	10/27/2022 15:11	0.1	0.1	0.1	0.1
	117	10/27/2022 15:12	0.1	0.1	0.1	0.1
	118	10/27/2022 15:13	0.1	0.1	0.1	0.1
	119	10/27/2022 15:14	0.1	0.1	0.1	0.1
	120	10/27/2022 15:15	0.1	0.1	0.1	0.1
	121	10/27/2022 15:16	0.1	0.1	0.1	0.1
	122	10/27/2022 15:17	0.1	0.1	0.1	0.1
	123	10/27/2022 15:18	0.1	0.1	0.1	0.1
	124	10/27/2022 15:19	0.1	0.1	0.1	0.1
	125	10/27/2022 15:20	0.1	0.1	0.1	0.1
	126	10/27/2022 15:21	0.1	0.1	0.1	0.1
	127	10/27/2022 15:22	0.1	0.1	0.1	0.1
	128	10/27/2022 15:23	0.1	0.1	0.1	0.1
	129	10/27/2022 15:24	0.1	0.1	0.1	0.1
	130	10/27/2022 15:25	0.1	0.1	0.1	0.1
	131	10/27/2022 15:26	0.1	0.1	0.1	0.1
	132	10/27/2022 15:27	0.1	0.1	0.1	0.1
	133	10/27/2022 15:28	0.1	0.1	0.1	0.1
	134	10/27/2022 15:29	0.1	0.1	0.1	0.1
	135	10/27/2022 15:30	0.1	0.1	0.1	0.1
	136	10/27/2022 15:31	0.1	0.1	0.1	0.1
	137	10/27/2022 15:32	0.1	0.1	0.1	0.1
	138	10/27/2022 15:33	0.1	0.1	0.1	0.1
	139	10/27/2022 15:34	0.1	0.1	0.1	0.1
	140	10/27/2022 15:35	0.1	0.1	0.1	0.1
	141	10/27/2022 15:36	0.1	0.1	0.1	0.1
	142	10/27/2022 15:37	0.1	0.1	0.1	0.1
	143	10/27/2022 15:38	0.1	0.1	0.1	0.1
	144	10/27/2022 15:39	0.1	0.1	0.1	0.1
	145	10/27/2022 15:40	0.1	0.1	0.1	0.1
	146	10/27/2022 15:41	0.1	0.1	0.1	0.1
	147	10/27/2022 15:42	0.1	0.1	0.1	0.1
	148	10/27/2022 15:43	0.1	0.1	0.1	0.1
	149	10/27/2022 15:44	0.1	0.1	0.1	0.1
	150	10/27/2022 15:45	0.1	0.1	0.1	0.1
	151	10/27/2022 15:46	0.1	0.1	0.1	0.1
	152	10/27/2022 15:47	0.1	0.1	0.1	0.1
	153	10/27/2022 15:48	0.1	0.1	0.1	0.1
	154	10/27/2022 15:49	0.1	0.1	0.1	0.1
	155	10/27/2022 15:50	0.1	0.1	0.1	0.1
	156	10/27/2022 15:51	0.1	0.1	0.1	0.1
	157	10/27/2022 15:52	0.1	0.1	0.1	0.1
	158	10/27/2022 15:53	0.1	0.1	0.1	0.1
	159	10/27/2022 15:54	0.1	0.1	0.1	0.1
	160	10/27/2022 15:55	0.1	0.1	0.1	0.1
	161	10/27/2022 15:56	0.1	0.1	0.1	0.1
	162	10/27/2022 15:57	0.1	0.1	0.1	0.1
	163	10/27/2022 15:58	0.1	0.1	0.1	0.1
	164	10/27/2022 15:59	0.1	0.1	0.1	0.1
	165	10/27/2022 16:00	0.1	0.1	0.1	0.1
	166	10/27/2022 16:01	0.1	0.1	0.1	0.1
	167	10/27/2022 16:02	0.1	0.1	0.1	0.1
	168	10/27/2022 16:03	0.1	0.1	0.1	0.1
	169	10/27/2022 16:04	0.1	0.1	0.1	0.1
	170	10/27/2022 16:05	0.1	0.1	0.1	0.1
	171	10/27/2022 16:06	0.1	0.1	0.1	0.1
	172	10/27/2022 16:07	0.1	0.1	0.1	0.1
	173	10/27/2022 16:08	0.1	0.1	0.1	0.1
	174	10/27/2022 16:09	0.1	0.1	0.1	0.1
	175	10/27/2022 16:10	0.1	0.1	0.1	0.1
	176	10/27/2022 16:11	0.1	0.1	0.1	0.1
	177	10/27/2022 16:12	0.1	0.1	0.1	0.1
	178	10/27/2022 16:13	0.1	0.1	0.1	0.1

	179	10/27/2022 16:14	0.1	0.1	0.1	0.1
	180	10/27/2022 16:15	0.1	0.1	0.1	0.1
	181	10/27/2022 16:16	0.1	0.1	0.1	0.1
	182	10/27/2022 16:17	0.1	0.1	0.1	0.1
	183	10/27/2022 16:18	0.1	0.1	0.1	0.1
	184	10/27/2022 16:19	0.1	0.1	0.1	0.1
	185	10/27/2022 16:20	0.1	0.1	0.1	0.1
	186	10/27/2022 16:21	0.1	0.1	0.1	0.1
	187	10/27/2022 16:22	0.1	0.1	0.1	0.1
	188	10/27/2022 16:23	0.1	0.1	0.1	0.1
	189	10/27/2022 16:24	0.1	0.1	0.1	0.1
	190	10/27/2022 16:25	0.1	0.1	0.1	0.1
	191	10/27/2022 16:26	0.1	0.1	0.1	0.1
	192	10/27/2022 16:27	0.1	0.1	0.1	0.1
	193	10/27/2022 16:28	0.1	0.1	0.1	0.1
	194	10/27/2022 16:29	0.1	0.1	0.1	0.1
	195	10/27/2022 16:30	0.1	0.1	0.1	0.1
	196	10/27/2022 16:31	0.1	0.1	0.1	0.1
	197	10/27/2022 16:32	0.1	0.1	0.1	0.1
	198	10/27/2022 16:33	0.1	0.1	0.1	0.1
	199	10/27/2022 16:34	0.1	0.1	0.1	0.1
	200	10/27/2022 16:35	0.1	0.1	0.1	0.1
	201	10/27/2022 16:36	0.1	0.1	0.1	0.1
	202	10/27/2022 16:37	0.1	0.1	0.1	0.1
	203	10/27/2022 16:38	0.1	0.1	0.1	0.1
	204	10/27/2022 16:39	0.1	0.1	0.1	0.1
	205	10/27/2022 16:40	0.1	0.1	0.1	0.1
	206	10/27/2022 16:41	0.1	0.1	0.1	0.1
	207	10/27/2022 16:42	0.1	0.1	0.1	0.1
	208	10/27/2022 16:43	0.1	0.1	0.1	0.1
	209	10/27/2022 16:44	0.1	0.1	0.1	0.1
	210	10/27/2022 16:45	0.1	0.1	0.1	0.1
	211	10/27/2022 16:46	0.1	0.1	0.1	0.1
	212	10/27/2022 16:47	0.1	0.1	0.1	0.1
	213	10/27/2022 16:48	0.1	0.1	0.1	0.1
	214	10/27/2022 16:49	0.1	0.1	0.1	0.1
	215	10/27/2022 16:50	0.1	0.1	0.1	0.1
	216	10/27/2022 16:51	0.1	0.1	0.1	0.1
	217	10/27/2022 16:52	0.1	0.1	0.1	0.1
	218	10/27/2022 16:53	0.1	0.1	0.1	0.1
	219	10/27/2022 16:54	0.1	0.1	0.1	0.1
	220	10/27/2022 16:55	0.1	0.1	0.1	0.1
	221	10/27/2022 16:56	0.1	0.1	0.1	0.1
	222	10/27/2022 16:57	0.1	0.1	0.1	0.1
	223	10/27/2022 16:58	0.1	0.1	0.1	0.1
	224	10/27/2022 16:59	0.1	0.1	0.1	0.1
	225	10/27/2022 17:00	0.1	0.1	0.1	0.1
	226	10/27/2022 17:01	0.1	0.1	0.1	0.1
	227	10/27/2022 17:02	0.1	0.1	0.1	0.1
	228	10/27/2022 17:03	0.1	0.1	0.1	0.1
	229	10/27/2022 17:04	0.1	0.1	0.1	0.1
	230	10/27/2022 17:05	0.1	0.1	0.1	0.1
	231	10/27/2022 17:06	0.1	0.1	0.1	0.1
	232	10/27/2022 17:07	0.1	0.1	0.1	0.1
	233	10/27/2022 17:08	0.1	0.1	0.1	0.1
	234	10/27/2022 17:09	0.1	0.1	0.1	0.1
	235	10/27/2022 17:10	0.1	0.1	0.1	0.1
	236	10/27/2022 17:11	0.1	0.1	0.1	0.1
	237	10/27/2022 17:12	0.1	0.1	0.1	0.1
	238	10/27/2022 17:13	0.1	0.1	0.1	0.1
	239	10/27/2022 17:14	0.1	0.1	0.1	0.1
	240	10/27/2022 17:15	0.1	0.1	0.1	0.1
	241	10/27/2022 17:16	0.1	0.1	0.1	0.1
	242	10/27/2022 17:17	0.1	0.1	0.1	0.1
	243	10/27/2022 17:18	0.1	0.1	0.1	0.1
	244	10/27/2022 17:19	0.1	0.1	0.1	0.1
	245	10/27/2022 17:20	0.1	0.1	0.1	0.1
	246	10/27/2022 17:21	0.1	0.1	0.1	0.1
	247	10/27/2022 17:22	0.1	0.1	0.1	0.1
	248	10/27/2022 17:23	0.1	0.1	0.1	0.1
	249	10/27/2022 17:24	0.1	0.1	0.1	0.1
	250	10/27/2022 17:25	0.1	0.1	0.1	0.1
	251	10/27/2022 17:26	0.1	0.1	0.1	0.1
	252	10/27/2022 17:27	0.1	0.1	0.1	0.1
	253	10/27/2022 17:28	0.1	0.1	0.1	0.1
	254	10/27/2022 17:29	0.1	0.1	0.1	0.1
	255	10/27/2022 17:30	0.1	0.1	0.1	0.1
	256	10/27/2022 17:31	0.1	0.1	0.1	0.1
	257	10/27/2022 17:32	0.1	0.1	0.1	0.1
	258	10/27/2022 17:33	0.1	0.1	0.1	0.1
	259	10/27/2022 17:34	0.1	0.1	0.1	0.1
	260	10/27/2022 17:35	0.1	0.1	0.1	0.1
	261	10/27/2022 17:36	0.1	0.1	0.1	0.1
	262	10/27/2022 17:37	0.1	0.1	0.1	0.1
	263	10/27/2022 17:38	0.1	0.1	0.1	0.1
	264	10/27/2022 17:39	0.1	0.1	0.1	0.1
	265	10/27/2022 17:40	0.1	0.1	0.1	0.1
	266	10/27/2022 17:41	0.1	0.1	0.1	0.1
	267	10/27/2022 17:42	0.1	0.1	0.1	0.1
	268	10/27/2022 17:43	0.1	0.1	0.1	0.1
	269	10/27/2022 17:44	0.1	0.1	0.2	0.1
	270	10/27/2022 17:45	0.1	0.1	0.1	0.1
	271	10/27/2022 17:46	0.1	0.1	0.1	0.1
	272	10/27/2022 17:47	0.1	0.1	0.1	0.1
	273	10/27/2022 17:48	0.1	0.1	0.1	0.1
	274	10/27/2022 17:49	0.1	0.1	0.1	0.1
	275	10/27/2022 17:50	0.1	0.1	0.1	0.1
	276	10/27/2022 17:51	0.1	0.1	0.1	0.1
Peak			0.1	0.1	0.7	0.1
Min			0	0	0	0

Average

0.10.10.10.1

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/27/2022 13:16	0	---
002	10/27/2022 13:17	0	---
003	10/27/2022 13:18	0	---
004	10/27/2022 13:19	0	---
005	10/27/2022 13:20	0	---
006	10/27/2022 13:21	0	---
007	10/27/2022 13:22	0	---
008	10/27/2022 13:23	0	---
009	10/27/2022 13:24	0	---
010	10/27/2022 13:25	0	---
011	10/27/2022 13:26	0	---
012	10/27/2022 13:27	0	---
013	10/27/2022 13:28	0	---
014	10/27/2022 13:29	0	---
015	10/27/2022 13:30	0	0
016	10/27/2022 13:31	0	0
017	10/27/2022 13:32	0	0
018	10/27/2022 13:33	0	0
019	10/27/2022 13:34	0	0
020	10/27/2022 13:35	0	0
021	10/27/2022 13:36	0	0
022	10/27/2022 13:37	0	0
023	10/27/2022 13:38	0	0
024	10/27/2022 13:39	0	0
025	10/27/2022 13:40	0	0
026	10/27/2022 13:41	0	0
027	10/27/2022 13:42	0	0
028	10/27/2022 13:43	0	0
029	10/27/2022 13:44	0	0
030	10/27/2022 13:45	0	0
031	10/27/2022 13:46	0	0
032	10/27/2022 13:47	0	0
033	10/27/2022 13:48	0	0
034	10/27/2022 13:49	0	0
035	10/27/2022 13:50	0	0
036	10/27/2022 13:51	0	0
037	10/27/2022 13:52	0	0
038	10/27/2022 13:53	0	0
039	10/27/2022 13:54	0	0
040	10/27/2022 13:55	0	0
041	10/27/2022 13:56	0	0
042	10/27/2022 13:57	0	0
043	10/27/2022 13:58	0	0
044	10/27/2022 13:59	0	0
045	10/27/2022 14:00	0	0
046	10/27/2022 14:01	0	0
047	10/27/2022 14:02	0	0
048	10/27/2022 14:03	0	0
049	10/27/2022 14:04	0	0
050	10/27/2022 14:05	0	0
051	10/27/2022 14:06	0	0
052	10/27/2022 14:07	0	0
053	10/27/2022 14:08	0	0
054	10/27/2022 14:09	0	0
055	10/27/2022 14:10	0	0
056	10/27/2022 14:11	0	0
057	10/27/2022 14:12	0	0
058	10/27/2022 14:13	0	0
059	10/27/2022 14:14	0	0
060	10/27/2022 14:15	0	0
061	10/27/2022 14:16	0	0
062	10/27/2022 14:17	0	0
063	10/27/2022 14:18	0	0
064	10/27/2022 14:19	0	0.1
065	10/27/2022 14:20	0	0
066	10/27/2022 14:21	0	0
067	10/27/2022 14:22	0	0.1
068	10/27/2022 14:23	0	0.1
069	10/27/2022 14:24	0	0.1
070	10/27/2022 14:25	0	0
071	10/27/2022 14:26	0	0
072	10/27/2022 14:27	0	0
073	10/27/2022 14:28	0	0
074	10/27/2022 14:29	0	0.1
075	10/27/2022 14:30	0	0.1
076	10/27/2022 14:31	0	0.1
077	10/27/2022 14:32	0	0.1
078	10/27/2022 14:33	0	0.1
079	10/27/2022 14:34	0	0.1
080	10/27/2022 14:35	0	0.1
081	10/27/2022 14:36	0	0.1
082	10/27/2022 14:37	0	0.1
083	10/27/2022 14:38	0	0.1
084	10/27/2022 14:39	0	0.1
085	10/27/2022 14:40	0	0.1
086	10/27/2022 14:41	0	0.1
087	10/27/2022 14:42	0	0.1
088	10/27/2022 14:43	0	0.1
089	10/27/2022 14:44	0	0.1
090	10/27/2022 14:45	0	0.1
091	10/27/2022 14:46	0	0.1
092	10/27/2022 14:47	0	0.1
093	10/27/2022 14:48	0	0.1
094	10/27/2022 14:49	0	0.1

095		10/27/2022 14:50	0	0.1
096		10/27/2022 14:51	0	0.1
097		10/27/2022 14:52	0	0.1
098		10/27/2022 14:53	0	0.1
099		10/27/2022 14:54	0	0.1
	100	10/27/2022 14:55	0	0
	101	10/27/2022 14:56	0	0
	102	10/27/2022 14:57	0	0
	103	10/27/2022 14:58	0	0
	104	10/27/2022 14:59	0	0
	105	10/27/2022 15:00	0	0.1
	106	10/27/2022 15:01	0	0.1
	107	10/27/2022 15:02	0	0.1
	108	10/27/2022 15:03	0	0.1
	109	10/27/2022 15:04	0	0.1
	110	10/27/2022 15:05	0	0.1
	111	10/27/2022 15:06	0	0.1
	112	10/27/2022 15:07	0	0.1
	113	10/27/2022 15:08	0	0.1
	114	10/27/2022 15:09	0	0.1
	115	10/27/2022 15:10	0	0.1
	116	10/27/2022 15:11	0	0.1
	117	10/27/2022 15:12	0	0.1
	118	10/27/2022 15:13	0	0.1
	119	10/27/2022 15:14	0	0.1
	120	10/27/2022 15:15	0	0.1
	121	10/27/2022 15:16	0	0.1
	122	10/27/2022 15:17	0	0.1
	123	10/27/2022 15:18	0	0.1
	124	10/27/2022 15:19	0	0.1
	125	10/27/2022 15:20	0	0.1
	126	10/27/2022 15:21	0	0.1
	127	10/27/2022 15:22	0	0.1
	128	10/27/2022 15:23	0	0.1
	129	10/27/2022 15:24	0	0.1
	130	10/27/2022 15:25	0	0.1
	131	10/27/2022 15:26	0	0.1
	132	10/27/2022 15:27	0	0.1
	133	10/27/2022 15:28	0	0.1
	134	10/27/2022 15:29	0	0.1
	135	10/27/2022 15:30	0	0.1
	136	10/27/2022 15:31	0	0.1
	137	10/27/2022 15:32	0	0.1
	138	10/27/2022 15:33	0	0.1
	139	10/27/2022 15:34	0	0.1
	140	10/27/2022 15:35	0	0.1
	141	10/27/2022 15:36	0	0.1
	142	10/27/2022 15:37	0	0.1
	143	10/27/2022 15:38	0	0.1
	144	10/27/2022 15:39	0	0.1
	145	10/27/2022 15:40	0	0.1
	146	10/27/2022 15:41	0	0.1
	147	10/27/2022 15:42	0	0.1
	148	10/27/2022 15:43	0	0.1
	149	10/27/2022 15:44	0	0.1
	150	10/27/2022 15:45	0	0.1
	151	10/27/2022 15:46	0	0.1
	152	10/27/2022 15:47	0	0.1
	153	10/27/2022 15:48	0	0.1
	154	10/27/2022 15:49	0	0.1
	155	10/27/2022 15:50	0	0.1
	156	10/27/2022 15:51	0	0.1
	157	10/27/2022 15:52	0	0.1
	158	10/27/2022 15:53	0	0.1
	159	10/27/2022 15:54	0	0.1
	160	10/27/2022 15:55	0	0.1
	161	10/27/2022 15:56	0	0.1
	162	10/27/2022 15:57	0	0.1
	163	10/27/2022 15:58	0	0.1
	164	10/27/2022 15:59	0	0.1
	165	10/27/2022 16:00	0	0.1
	166	10/27/2022 16:01	0	0.1
	167	10/27/2022 16:02	0	0.1
	168	10/27/2022 16:03	0	0.1
	169	10/27/2022 16:04	0	0.1
	170	10/27/2022 16:05	0	0.1
	171	10/27/2022 16:06	0	0.1
	172	10/27/2022 16:07	0	0.1
	173	10/27/2022 16:08	0	0.1
	174	10/27/2022 16:09	0	0.1
	175	10/27/2022 16:10	0	0.1
	176	10/27/2022 16:11	0	0.1
	177	10/27/2022 16:12	0	0.1
	178	10/27/2022 16:13	0	0.1
	179	10/27/2022 16:14	0	0.1
	180	10/27/2022 16:15	0	0.1
	181	10/27/2022 16:16	0	0.1
	182	10/27/2022 16:17	0	0.1
	183	10/27/2022 16:18	0	0.1
	184	10/27/2022 16:19	0	0.1
	185	10/27/2022 16:20	0	0.1
	186	10/27/2022 16:21	0	0.1
	187	10/27/2022 16:22	0	0.1
	188	10/27/2022 16:23	0	0.1
	189	10/27/2022 16:24	0	0.1
	190	10/27/2022 16:25	0	0.1
	191	10/27/2022 16:26	0	0.1
	192	10/27/2022 16:27	0	0.1
	193	10/27/2022 16:28	0	0.1
	194	10/27/2022 16:29	0	0.1

195	10/27/2022 16:30	0	0.1
196	10/27/2022 16:31	0	0.1
197	10/27/2022 16:32	0	0.1
198	10/27/2022 16:33	0	0.1
199	10/27/2022 16:34	0	0.1
200	10/27/2022 16:35	0	0.1
201	10/27/2022 16:36	0	0.1
202	10/27/2022 16:37	0	0.1
203	10/27/2022 16:38	0	0.1
204	10/27/2022 16:39	0	0.1
205	10/27/2022 16:40	0	0.1
206	10/27/2022 16:41	0	0.1
207	10/27/2022 16:42	0	0.1
208	10/27/2022 16:43	0	0.1
209	10/27/2022 16:44	0	0.1
210	10/27/2022 16:45	0	0.1
211	10/27/2022 16:46	0	0.1
212	10/27/2022 16:47	0	0.1
213	10/27/2022 16:48	0	0.1
214	10/27/2022 16:49	0	0.1
215	10/27/2022 16:50	0	0.1
216	10/27/2022 16:51	0	0.1
217	10/27/2022 16:52	0	0.1
218	10/27/2022 16:53	0	0.1
219	10/27/2022 16:54	0	0.1
220	10/27/2022 16:55	0	0.1
221	10/27/2022 16:56	0	0.1
222	10/27/2022 16:57	0	0.1
223	10/27/2022 16:58	0	0.1
224	10/27/2022 16:59	0	0.1
225	10/27/2022 17:00	0	0.1
226	10/27/2022 17:01	0	0.1
227	10/27/2022 17:02	0	0.1
228	10/27/2022 17:03	0	0.1
229	10/27/2022 17:04	0	0.1
230	10/27/2022 17:05	0	0.1
231	10/27/2022 17:06	0	0.1
232	10/27/2022 17:07	0	0.1
233	10/27/2022 17:08	0	0.1
234	10/27/2022 17:09	0	0.1
235	10/27/2022 17:10	0	0.1
236	10/27/2022 17:11	0	0.1
237	10/27/2022 17:12	0	0.1
238	10/27/2022 17:13	0	0.1
239	10/27/2022 17:14	0	0.1
240	10/27/2022 17:15	0	0.1
241	10/27/2022 17:16	0	0.1
242	10/27/2022 17:17	0	0.1
243	10/27/2022 17:18	0	0.1
244	10/27/2022 17:19	0	0.1
245	10/27/2022 17:20	0	0.1
246	10/27/2022 17:21	0	0.1
247	10/27/2022 17:22	0	0.1
248	10/27/2022 17:23	0	0.1
249	10/27/2022 17:24	0	0.1
250	10/27/2022 17:25	0	0.1
251	10/27/2022 17:26	0	0.1
252	10/27/2022 17:27	0	0.1
253	10/27/2022 17:28	0	0.1
254	10/27/2022 17:29	0	0.1
255	10/27/2022 17:30	0	0.1
256	10/27/2022 17:31	0	0.1
257	10/27/2022 17:32	0	0.1
258	10/27/2022 17:33	0	0.1
259	10/27/2022 17:34	0	0.1
260	10/27/2022 17:35	0	0.1
261	10/27/2022 17:36	0	0.1
262	10/27/2022 17:37	0	0.1
263	10/27/2022 17:38	0	0.1
264	10/27/2022 17:39	0	0.1
265	10/27/2022 17:40	0	0.1
266	10/27/2022 17:41	0	0.1
267	10/27/2022 17:42	0	0.1
268	10/27/2022 17:43	0	0.1
269	10/27/2022 17:44	0	0.1
270	10/27/2022 17:45	0	0.1
271	10/27/2022 17:46	0	0.1
272	10/27/2022 17:47	0	0.1
273	10/27/2022 17:48	0	0.1
274	10/27/2022 17:49	0	0.1
275	10/27/2022 17:50	0	0.1
276	10/27/2022 17:51	0	0.1

22/10/28 08:24

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	00000001
User ID	00000001

Begin10/28/2022 8:24

End

10/28/2022 8:25

Sample Period(s)

60

Number of Records

0

Sensor

PID(ppm)

Sensor SN

S023030091S5

Measure Type

Min; Avg; Max; Real

Span

100

Span 2

1000

Low Alarm

50

High Alarm

100

Over Alarm

15000

STEL Alarm

25

TWA Alarm

10

Measurement Gas

Isobutylene

Calibration Time

10/27/2022 9:03

Datalog

0 record.

=====

22/10/28 08:29

Summary

Unit Name

Unit SN

Unit Firmware Ver

MiniRAE 3000(PGM-7320)

592-908186

V2.22A

Running Mode

Datalog Mode

Diagnostic Mode

Stop Reason

Hygiene Mode

Auto

No

Power Down

Site ID

User ID

00000001

00000001

Begin

End

Sample Period(s)

Number of Records

10/28/2022 8:29

10/28/2022 8:30

60

1

Sensor

Sensor SN

Measure Type

Span

Span 2

Low Alarm

High Alarm

Over Alarm

STEL Alarm

TWA Alarm

Measurement Gas

Calibration Time

Peak

Min

Average

PID(ppm)

S023030091S5

Min; Avg; Max; Real

100

1000

50

100

15000

25

10

Isobutylene

10/28/2022 8:28

0

0

0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/28/2022 8:30	0	0	0	0
Peak		0	0	0	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/28/2022 8:30	0	---

=====

22/10/28 08:42

Summary

Unit Name

Unit SN

Unit Firmware Ver

MiniRAE 3000(PGM-7320)

592-908186

V2.22A

Running Mode

Datalog Mode

Diagnostic Mode

Stop Reason

Hygiene Mode

Auto

No

Power Down

Site ID

User ID

00000001

00000001

Begin

End

Sample Period(s)

Number of Records

10/28/2022 8:42

10/28/2022 9:56

60

74

Sensor

Sensor SN

Measure Type

Span

PID(ppm)

S023030091S5

Min; Avg; Max; Real

100

Span 2

Low Alarm

High Alarm

Over Alarm

STEL Alarm

TWA Alarm

Measurement Gas

Calibration Time

Peak

Min

Average

1000

50

100

15000

25

10

Isobutylene

10/28/2022 8:28

0

0

0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/28/2022 8:43	0	0	0	0
002	10/28/2022 8:44	0	0	0	0
003	10/28/2022 8:45	0	0	0	0
004	10/28/2022 8:46	0	0	0	0
005	10/28/2022 8:47	0	0	0	0
006	10/28/2022 8:48	0	0	0	0
007	10/28/2022 8:49	0	0	0	0
008	10/28/2022 8:50	0	0	0	0
009	10/28/2022 8:51	0	0	0	0
010	10/28/2022 8:52	0	0	0	0
011	10/28/2022 8:53	0	0	0	0
012	10/28/2022 8:54	0	0	0	0
013	10/28/2022 8:55	0	0	0	0
014	10/28/2022 8:56	0	0	0	0
015	10/28/2022 8:57	0	0	0	0
016	10/28/2022 8:58	0	0	0	0
017	10/28/2022 8:59	0	0	0	0
018	10/28/2022 9:00	0	0	0	0
019	10/28/2022 9:01	0	0	0	0
020	10/28/2022 9:02	0	0	0	0
021	10/28/2022 9:03	0	0	0	0
022	10/28/2022 9:04	0	0	0	0
023	10/28/2022 9:05	0	0	0	0
024	10/28/2022 9:06	0	0	0	0
025	10/28/2022 9:07	0	0	0	0
026	10/28/2022 9:08	0	0	0	0
027	10/28/2022 9:09	0	0	0	0
028	10/28/2022 9:10	0	0	0	0
029	10/28/2022 9:11	0	0	0	0
030	10/28/2022 9:12	0	0	0	0
031	10/28/2022 9:13	0	0.1	0.3	0
032	10/28/2022 9:14	0	0	0.1	0
033	10/28/2022 9:15	0	0	0	0
034	10/28/2022 9:16	0	0	0	0
035	10/28/2022 9:17	0	0	0	0
036	10/28/2022 9:18	0	0	0	0
037	10/28/2022 9:19	0	0	0	0
038	10/28/2022 9:20	0	0	0	0
039	10/28/2022 9:21	0	0	0	0
040	10/28/2022 9:22	0	0	0	0
041	10/28/2022 9:23	0	0	0	0
042	10/28/2022 9:24	0	0	0	0
043	10/28/2022 9:25	0	0	0	0
044	10/28/2022 9:26	0	0	0	0
045	10/28/2022 9:27	0	0	0	0
046	10/28/2022 9:28	0	0	0	0
047	10/28/2022 9:29	0	0	0	0
048	10/28/2022 9:30	0	0	0	0
049	10/28/2022 9:31	0	0	0	0
050	10/28/2022 9:32	0	0	0	0
051	10/28/2022 9:33	0	0	0	0
052	10/28/2022 9:34	0	0	0	0
053	10/28/2022 9:35	0	0	0	0
054	10/28/2022 9:36	0	0	0	0
055	10/28/2022 9:37	0	0	0	0
056	10/28/2022 9:38	0	0	0	0
057	10/28/2022 9:39	0	0	0	0
058	10/28/2022 9:40	0	0	0	0
059	10/28/2022 9:41	0	0	0	0
060	10/28/2022 9:42	0	0	0	0
061	10/28/2022 9:43	0	0	0	0
062	10/28/2022 9:44	0	0	0	0
063	10/28/2022 9:45	0	0	0	0
064	10/28/2022 9:46	0	0	0	0
065	10/28/2022 9:47	0	0	0	0
066	10/28/2022 9:48	0	0	0	0
067	10/28/2022 9:49	0	0	0	0
068	10/28/2022 9:50	0	0	0	0
069	10/28/2022 9:51	0	0	0	0
070	10/28/2022 9:52	0	0	0	0
071	10/28/2022 9:53	0	0	0	0
072	10/28/2022 9:54	0	0	0	0
073	10/28/2022 9:55	0	0	0	0
074	10/28/2022 9:56	0	0	0	0
Peak		0	0.1	0.3	0
Min		0	0	0	0
Average		0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/28/2022 8:43	0 ---	
002	10/28/2022 8:44	0 ---	

003	10/28/2022 8:45	0	---
004	10/28/2022 8:46	0	---
005	10/28/2022 8:47	0	---
006	10/28/2022 8:48	0	---
007	10/28/2022 8:49	0	---
008	10/28/2022 8:50	0	---
009	10/28/2022 8:51	0	---
010	10/28/2022 8:52	0	---
011	10/28/2022 8:53	0	---
012	10/28/2022 8:54	0	---
013	10/28/2022 8:55	0	---
014	10/28/2022 8:56	0	---
015	10/28/2022 8:57	0	0
016	10/28/2022 8:58	0	0
017	10/28/2022 8:59	0	0
018	10/28/2022 9:00	0	0
019	10/28/2022 9:01	0	0
020	10/28/2022 9:02	0	0
021	10/28/2022 9:03	0	0
022	10/28/2022 9:04	0	0
023	10/28/2022 9:05	0	0
024	10/28/2022 9:06	0	0
025	10/28/2022 9:07	0	0
026	10/28/2022 9:08	0	0
027	10/28/2022 9:09	0	0
028	10/28/2022 9:10	0	0
029	10/28/2022 9:11	0	0
030	10/28/2022 9:12	0	0
031	10/28/2022 9:13	0	0
032	10/28/2022 9:14	0	0
033	10/28/2022 9:15	0	0
034	10/28/2022 9:16	0	0
035	10/28/2022 9:17	0	0
036	10/28/2022 9:18	0	0
037	10/28/2022 9:19	0	0
038	10/28/2022 9:20	0	0
039	10/28/2022 9:21	0	0
040	10/28/2022 9:22	0	0
041	10/28/2022 9:23	0	0
042	10/28/2022 9:24	0	0
043	10/28/2022 9:25	0	0
044	10/28/2022 9:26	0	0
045	10/28/2022 9:27	0	0
046	10/28/2022 9:28	0	0
047	10/28/2022 9:29	0	0
048	10/28/2022 9:30	0	0
049	10/28/2022 9:31	0	0
050	10/28/2022 9:32	0	0
051	10/28/2022 9:33	0	0
052	10/28/2022 9:34	0	0
053	10/28/2022 9:35	0	0
054	10/28/2022 9:36	0	0
055	10/28/2022 9:37	0	0
056	10/28/2022 9:38	0	0
057	10/28/2022 9:39	0	0
058	10/28/2022 9:40	0	0
059	10/28/2022 9:41	0	0
060	10/28/2022 9:42	0	0
061	10/28/2022 9:43	0	0
062	10/28/2022 9:44	0	0
063	10/28/2022 9:45	0	0
064	10/28/2022 9:46	0	0
065	10/28/2022 9:47	0	0
066	10/28/2022 9:48	0	0
067	10/28/2022 9:49	0	0
068	10/28/2022 9:50	0	0
069	10/28/2022 9:51	0	0
070	10/28/2022 9:52	0	0
071	10/28/2022 9:53	0	0
072	10/28/2022 9:54	0	0
073	10/28/2022 9:55	0	0
074	10/28/2022 9:56	0	0

=====
22/10/31 11:38

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-908186
Unit Firmware Ver	V2.22A
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	00000001
User ID	00000001
Begin	10/31/2022 11:38
End	10/31/2022 14:26
Sample Period(s)	60
Number of Records	168
Sensor	PID(ppm)
Sensor SN	S02303009155
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50

High Alarm100

Over Alarm15000

STEL Alarm25

TWA Alarm10

Measurement GasIsobutylene

Calibration Time10/28/2022 8:28

Peak0.1

Min0

Average0

Datalog

Index	Date/Time	PID(ppm)	PID(ppm)	PID(ppm)	PID(ppm)
		(Min)	(Avg)	(Max)	(Real)
001	10/31/2022 11:39	0	0	0	0
002	10/31/2022 11:40	0	0	0	0
003	10/31/2022 11:41	0	0	0	0
004	10/31/2022 11:42	0	0	0	0
005	10/31/2022 11:43	0	0	0	0
006	10/31/2022 11:44	0	0	0	0
007	10/31/2022 11:45	0	0	0	0
008	10/31/2022 11:46	0	0	0	0
009	10/31/2022 11:47	0	0	0	0
010	10/31/2022 11:48	0	0	0	0
011	10/31/2022 11:49	0	0	0	0
012	10/31/2022 11:50	0	0	0	0
013	10/31/2022 11:51	0	0	0	0
014	10/31/2022 11:52	0	0	0	0
015	10/31/2022 11:53	0	0	0	0
016	10/31/2022 11:54	0	0	0	0
017	10/31/2022 11:55	0	0	0	0
018	10/31/2022 11:56	0	0	0	0
019	10/31/2022 11:57	0	0	0	0
020	10/31/2022 11:58	0	0	0	0
021	10/31/2022 11:59	0	0	0	0
022	10/31/2022 12:00	0	0	0	0
023	10/31/2022 12:01	0	0	0	0
024	10/31/2022 12:02	0	0	0	0
025	10/31/2022 12:03	0	0	0	0
026	10/31/2022 12:04	0	0	0	0
027	10/31/2022 12:05	0	0	0	0
028	10/31/2022 12:06	0	0	0	0
029	10/31/2022 12:07	0	0	0	0
030	10/31/2022 12:08	0	0	0	0
031	10/31/2022 12:09	0	0	0	0
032	10/31/2022 12:10	0	0	0	0
033	10/31/2022 12:11	0	0	0	0
034	10/31/2022 12:12	0	0	0	0
035	10/31/2022 12:13	0	0	0	0
036	10/31/2022 12:14	0	0	0	0
037	10/31/2022 12:15	0	0	0	0
038	10/31/2022 12:16	0	0	0	0
039	10/31/2022 12:17	0	0	0	0
040	10/31/2022 12:18	0	0	0	0
041	10/31/2022 12:19	0	0	0	0
042	10/31/2022 12:20	0	0	0	0
043	10/31/2022 12:21	0	0	0	0
044	10/31/2022 12:22	0	0	0	0
045	10/31/2022 12:23	0	0	0.1	0
046	10/31/2022 12:24	0	0	0	0
047	10/31/2022 12:25	0	0	0	0
048	10/31/2022 12:26	0	0	0.1	0
049	10/31/2022 12:27	0	0	0.1	0.1
050	10/31/2022 12:28	0	0	0	0
051	10/31/2022 12:29	0	0	0.3	0
052	10/31/2022 12:30	0	0	0	0
053	10/31/2022 12:31	0	0	0.1	0
054	10/31/2022 12:32	0	0	0.1	0
055	10/31/2022 12:33	0	0	0.1	0
056	10/31/2022 12:34	0	0	0	0
057	10/31/2022 12:35	0	0	0	0
058	10/31/2022 12:36	0	0	0.3	0
059	10/31/2022 12:37	0	0	0.2	0
060	10/31/2022 12:38	0	0	0.1	0
061	10/31/2022 12:39	0	0	0	0
062	10/31/2022 12:40	0	0.1	0.2	0.1
063	10/31/2022 12:41	0	0.1	0.4	0
064	10/31/2022 12:42	0	0	0	0
065	10/31/2022 12:43	0	0	0	0
066	10/31/2022 12:44	0	0.1	0.3	0
067	10/31/2022 12:45	0	0	0	0
068	10/31/2022 12:46	0	0	0.1	0
069	10/31/2022 12:47	0	0	0	0
070	10/31/2022 12:48	0	0	0	0
071	10/31/2022 12:49	0	0	0.2	0
072	10/31/2022 12:50	0	0.1	0.4	0
073	10/31/2022 12:51	0	0	0.1	0
074	10/31/2022 12:52	0	0	0	0
075	10/31/2022 12:53	0	0	0	0
076	10/31/2022 12:54	0	0	0.1	0
077	10/31/2022 12:55	0	0.1	0.4	0.1
078	10/31/2022 12:56	0	0.1	0.5	0
079	10/31/2022 12:57	0	0	0	0
080	10/31/2022 12:58	0	0	0	0
081	10/31/2022 12:59	0	0	0	0
082	10/31/2022 13:00	0	0	0	0
083	10/31/2022 13:01	0	0	0	0
084	10/31/2022 13:02	0	0	0	0
085	10/31/2022 13:03	0	0	0	0
086	10/31/2022 13:04	0	0	0	0

087		10/31/2022 13:05	0	0	0	0
088		10/31/2022 13:06	0	0	0	0
089		10/31/2022 13:07	0	0	0	0
090		10/31/2022 13:08	0	0	0	0
091		10/31/2022 13:09	0	0	0	0
092		10/31/2022 13:10	0	0	0	0
093		10/31/2022 13:11	0	0	0	0
094		10/31/2022 13:12	0	0	0	0
095		10/31/2022 13:13	0	0	0	0
096		10/31/2022 13:14	0	0	0	0
097		10/31/2022 13:15	0	0	0	0
098		10/31/2022 13:16	0	0	0	0
099		10/31/2022 13:17	0	0	0	0
	100	10/31/2022 13:18	0	0	0	0
	101	10/31/2022 13:19	0	0	0	0
	102	10/31/2022 13:20	0	0	0	0
	103	10/31/2022 13:21	0	0	0	0
	104	10/31/2022 13:22	0	0	0	0
	105	10/31/2022 13:23	0	0	0	0
	106	10/31/2022 13:24	0	0	0.1	0.1
	107	10/31/2022 13:25	0	0.1	0.2	0
	108	10/31/2022 13:26	0	0	0	0
	109	10/31/2022 13:27	0	0	0	0
	110	10/31/2022 13:28	0	0	0	0
	111	10/31/2022 13:29	0	0	0	0
	112	10/31/2022 13:30	0	0	0	0
	113	10/31/2022 13:31	0	0	0	0
	114	10/31/2022 13:32	0	0	0	0
	115	10/31/2022 13:33	0	0	0	0
	116	10/31/2022 13:34	0	0	0	0
	117	10/31/2022 13:35	0	0	0	0
	118	10/31/2022 13:36	0	0	0	0
	119	10/31/2022 13:37	0	0	0	0
	120	10/31/2022 13:38	0	0	0	0
	121	10/31/2022 13:39	0	0	0	0
	122	10/31/2022 13:40	0	0	0	0
	123	10/31/2022 13:41	0	0	0	0
	124	10/31/2022 13:42	0	0	0	0
	125	10/31/2022 13:43	0	0	0	0
	126	10/31/2022 13:44	0	0	0	0
	127	10/31/2022 13:45	0	0	0	0
	128	10/31/2022 13:46	0	0	0	0
	129	10/31/2022 13:47	0	0	0	0
	130	10/31/2022 13:48	0	0	0	0
	131	10/31/2022 13:49	0	0	0	0
	132	10/31/2022 13:50	0	0	0	0
	133	10/31/2022 13:51	0	0	0	0
	134	10/31/2022 13:52	0	0	0	0
	135	10/31/2022 13:53	0	0	0	0
	136	10/31/2022 13:54	0	0	0	0
	137	10/31/2022 13:55	0	0	0	0
	138	10/31/2022 13:56	0	0	0	0
	139	10/31/2022 13:57	0	0	0	0
	140	10/31/2022 13:58	0	0	0	0
	141	10/31/2022 13:59	0	0	0	0
	142	10/31/2022 14:00	0	0	0	0
	143	10/31/2022 14:01	0	0	0	0
	144	10/31/2022 14:02	0	0	0	0
	145	10/31/2022 14:03	0	0	0	0
	146	10/31/2022 14:04	0	0	0	0
	147	10/31/2022 14:05	0	0	0	0
	148	10/31/2022 14:06	0	0	0	0
	149	10/31/2022 14:07	0	0	0	0
	150	10/31/2022 14:08	0	0	0	0
	151	10/31/2022 14:09	0	0	0	0
	152	10/31/2022 14:10	0	0	0	0
	153	10/31/2022 14:11	0	0	0	0
	154	10/31/2022 14:12	0	0	0	0
	155	10/31/2022 14:13	0	0	0	0
	156	10/31/2022 14:14	0	0	0	0
	157	10/31/2022 14:15	0	0	0	0
	158	10/31/2022 14:16	0	0	0	0
	159	10/31/2022 14:17	0	0	0	0
	160	10/31/2022 14:18	0	0	0	0
	161	10/31/2022 14:19	0	0	0	0
	162	10/31/2022 14:20	0	0	0	0
	163	10/31/2022 14:21	0	0	0	0
	164	10/31/2022 14:22	0	0	0	0
	165	10/31/2022 14:23	0	0	0	0
	166	10/31/2022 14:24	0	0	0	0
	167	10/31/2022 14:25	0	0	0	0
	168	10/31/2022 14:26	0	0	0	0
Peak			0	0.1	0.5	0.1
Min			0	0	0	0
Average			0	0	0	0

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
001	10/31/2022 11:39	0	---
002	10/31/2022 11:40	0	---
003	10/31/2022 11:41	0	---
004	10/31/2022 11:42	0	---
005	10/31/2022 11:43	0	---
006	10/31/2022 11:44	0	---
007	10/31/2022 11:45	0	---
008	10/31/2022 11:46	0	---
009	10/31/2022 11:47	0	---
010	10/31/2022 11:48	0	---

011		10/31/2022 11:49	0 ---	
012		10/31/2022 11:50	0 ---	
013		10/31/2022 11:51	0 ---	
014		10/31/2022 11:52	0 ---	
015		10/31/2022 11:53	0	0
016		10/31/2022 11:54	0	0
017		10/31/2022 11:55	0	0
018		10/31/2022 11:56	0	0
019		10/31/2022 11:57	0	0
020		10/31/2022 11:58	0	0
021		10/31/2022 11:59	0	0
022		10/31/2022 12:00	0	0
023		10/31/2022 12:01	0	0
024		10/31/2022 12:02	0	0
025		10/31/2022 12:03	0	0
026		10/31/2022 12:04	0	0
027		10/31/2022 12:05	0	0
028		10/31/2022 12:06	0	0
029		10/31/2022 12:07	0	0
030		10/31/2022 12:08	0	0
031		10/31/2022 12:09	0	0
032		10/31/2022 12:10	0	0
033		10/31/2022 12:11	0	0
034		10/31/2022 12:12	0	0
035		10/31/2022 12:13	0	0
036		10/31/2022 12:14	0	0
037		10/31/2022 12:15	0	0
038		10/31/2022 12:16	0	0
039		10/31/2022 12:17	0	0
040		10/31/2022 12:18	0	0
041		10/31/2022 12:19	0	0
042		10/31/2022 12:20	0	0
043		10/31/2022 12:21	0	0
044		10/31/2022 12:22	0	0
045		10/31/2022 12:23	0	0
046		10/31/2022 12:24	0	0
047		10/31/2022 12:25	0	0
048		10/31/2022 12:26	0	0
049		10/31/2022 12:27	0	0
050		10/31/2022 12:28	0	0
051		10/31/2022 12:29	0	0
052		10/31/2022 12:30	0	0
053		10/31/2022 12:31	0	0
054		10/31/2022 12:32	0	0
055		10/31/2022 12:33	0	0
056		10/31/2022 12:34	0	0
057		10/31/2022 12:35	0	0
058		10/31/2022 12:36	0	0
059		10/31/2022 12:37	0	0
060		10/31/2022 12:38	0	0
061		10/31/2022 12:39	0	0
062		10/31/2022 12:40	0	0
063		10/31/2022 12:41	0	0
064		10/31/2022 12:42	0	0
065		10/31/2022 12:43	0	0
066		10/31/2022 12:44	0	0
067		10/31/2022 12:45	0	0
068		10/31/2022 12:46	0	0
069		10/31/2022 12:47	0	0
070		10/31/2022 12:48	0	0
071		10/31/2022 12:49	0	0
072		10/31/2022 12:50	0	0
073		10/31/2022 12:51	0	0
074		10/31/2022 12:52	0	0
075		10/31/2022 12:53	0	0
076		10/31/2022 12:54	0	0
077		10/31/2022 12:55	0	0
078		10/31/2022 12:56	0	0
079		10/31/2022 12:57	0	0
080		10/31/2022 12:58	0	0
081		10/31/2022 12:59	0	0
082		10/31/2022 13:00	0	0
083		10/31/2022 13:01	0	0
084		10/31/2022 13:02	0	0
085		10/31/2022 13:03	0	0
086		10/31/2022 13:04	0	0
087		10/31/2022 13:05	0	0
088		10/31/2022 13:06	0	0
089		10/31/2022 13:07	0	0
090		10/31/2022 13:08	0	0
091		10/31/2022 13:09	0	0
092		10/31/2022 13:10	0	0
093		10/31/2022 13:11	0	0
094		10/31/2022 13:12	0	0
095		10/31/2022 13:13	0	0
096		10/31/2022 13:14	0	0
097		10/31/2022 13:15	0	0
098		10/31/2022 13:16	0	0
099		10/31/2022 13:17	0	0
	100	10/31/2022 13:18	0	0
	101	10/31/2022 13:19	0	0
	102	10/31/2022 13:20	0	0
	103	10/31/2022 13:21	0	0
	104	10/31/2022 13:22	0	0
	105	10/31/2022 13:23	0	0
	106	10/31/2022 13:24	0	0
	107	10/31/2022 13:25	0	0
	108	10/31/2022 13:26	0	0
	109	10/31/2022 13:27	0	0
	110	10/31/2022 13:28	0	0

111	10/31/2022 13:29	0	0
112	10/31/2022 13:30	0	0
113	10/31/2022 13:31	0	0
114	10/31/2022 13:32	0	0
115	10/31/2022 13:33	0	0
116	10/31/2022 13:34	0	0
117	10/31/2022 13:35	0	0
118	10/31/2022 13:36	0	0
119	10/31/2022 13:37	0	0
120	10/31/2022 13:38	0	0
121	10/31/2022 13:39	0	0
122	10/31/2022 13:40	0	0
123	10/31/2022 13:41	0	0
124	10/31/2022 13:42	0	0
125	10/31/2022 13:43	0	0
126	10/31/2022 13:44	0	0
127	10/31/2022 13:45	0	0
128	10/31/2022 13:46	0	0
129	10/31/2022 13:47	0	0
130	10/31/2022 13:48	0	0
131	10/31/2022 13:49	0	0
132	10/31/2022 13:50	0	0
133	10/31/2022 13:51	0	0
134	10/31/2022 13:52	0	0
135	10/31/2022 13:53	0	0
136	10/31/2022 13:54	0	0
137	10/31/2022 13:55	0	0
138	10/31/2022 13:56	0	0
139	10/31/2022 13:57	0	0
140	10/31/2022 13:58	0	0
141	10/31/2022 13:59	0	0
142	10/31/2022 14:00	0	0
143	10/31/2022 14:01	0	0
144	10/31/2022 14:02	0	0
145	10/31/2022 14:03	0	0
146	10/31/2022 14:04	0	0
147	10/31/2022 14:05	0	0
148	10/31/2022 14:06	0	0
149	10/31/2022 14:07	0	0
150	10/31/2022 14:08	0	0
151	10/31/2022 14:09	0	0
152	10/31/2022 14:10	0	0
153	10/31/2022 14:11	0	0
154	10/31/2022 14:12	0	0
155	10/31/2022 14:13	0	0
156	10/31/2022 14:14	0	0
157	10/31/2022 14:15	0	0
158	10/31/2022 14:16	0	0
159	10/31/2022 14:17	0	0
160	10/31/2022 14:18	0	0
161	10/31/2022 14:19	0	0
162	10/31/2022 14:20	0	0
163	10/31/2022 14:21	0	0
164	10/31/2022 14:22	0	0
165	10/31/2022 14:23	0	0
166	10/31/2022 14:24	0	0
167	10/31/2022 14:25	0	0
168	10/31/2022 14:26	0	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530141304
Firmware Version	3.1
Calibration Date	2/23/2022
Test Name	MANUAL_020
Test Start Time	12:28:04 PM
Test Start Date	10/31/2022
Test Length [D:H:M]	0:01:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.019
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	7

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.019		
1800	0.003		
2700	0.004		
3600	0		
4500	0		
5400	0		
6300	0		

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22/10/04 13:51

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00030
User ID	USER0000

Begin	10/4/2022 13:51
End	10/4/2022 15:26
Sample Period(s)	900
Number of Records	6

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	9/22/2022 10:46
Peak	0.4
Min	0
Average	0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/4/2022 14:06	0	0	0	0
002	10/4/2022 14:21	0	0	0	0
003	10/4/2022 14:36	0	0	0	0
004	10/4/2022 14:51	0	0	0.7	0
005	10/4/2022 15:06	0	0.1	0.4	0.4
006	10/4/2022 15:21	0	0.2	0.6	0.3
Peak		0	0.2	0.7	0.4
Min		0	0	0	0
Average		0	0.1	0.3	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/4/2022 14:06	0	0
002	10/4/2022 14:21	0	0
003	10/4/2022 14:36	0	0
004	10/4/2022 14:51	0	0
005	10/4/2022 15:06	0	0.4

006

10/4/2022 15:21

0

0.7

22/10/05 08:01

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00030
User ID	USER0000

Begin	10/5/2022 8:01
End	10/5/2022 8:03
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	9/22/2022 10:46

Datalog

0 record.

22/10/05 08:08

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00030
User ID	USER0000

Begin	10/5/2022 8:08
End	10/5/2022 8:08
Sample Period(s)	900

Number of Records 0

Sensor PID(ppm)
Sensor SN S023030081V8
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/5/2022 8:08

Datalog

0 record.

=====
22/10/05 08:09

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-925680
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00030
User ID USER0000

Begin 10/5/2022 8:09
End 10/5/2022 8:09
Sample Period(s) 900
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030081V8
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/5/2022 8:08

Datalog

0 record.

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22/10/05 08:09

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-925680
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00030
User ID USER0000

Begin 10/5/2022 8:09
End 10/5/2022 9:09
Sample Period(s) 900
Number of Records 3

Sensor PID(ppm)
Sensor SN S023030081V8
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/5/2022 8:08
Peak 0.1
Min 0.1
Average 0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/5/2022 8:24	0	0	0.1	0.1
002	10/5/2022 8:39	0.1	0.1	0.2	0.1
003	10/5/2022 8:54	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.2	0.1
Min		0	0	0.1	0.1
Average		0.1	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/5/2022 8:24	0	0.1
002	10/5/2022 8:39	0	0.2
003	10/5/2022 8:54	0	0.2

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22/10/05 11:53

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-925680
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00030
User ID USER0000

Begin 10/5/2022 11:53
End 10/5/2022 15:59
Sample Period(s) 900
Number of Records 16

Sensor PID(ppm)
Sensor SN S023030081V8
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/5/2022 8:08
Peak 0
Min 0
Average 0

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/5/2022 12:08	0	0	0	0
002	10/5/2022 12:23	0	0	0	0
003	10/5/2022 12:38	0	0	0	0
004	10/5/2022 12:53	0	0	0	0
005	10/5/2022 13:08	0	0	0	0
006	10/5/2022 13:23	0	0	0	0
007	10/5/2022 13:38	0	0	0.1	0
008	10/5/2022 13:53	0	0	0.1	0
009	10/5/2022 14:08	0	0	0	0
010	10/5/2022 14:23	0	0	0.1	0
011	10/5/2022 14:38	0	0	0.1	0
012	10/5/2022 14:53	0	0	0.2	0
013	10/5/2022 15:08	0	0	0.1	0
014	10/5/2022 15:23	0	0	0	0
015	10/5/2022 15:38	0	0	0	0
016	10/5/2022 15:53	0	0	0.3	0
Peak		0	0	0.3	0
Min		0	0	0	0
Average		0	0	0.1	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/5/2022 12:08	0	0

002	10/5/2022 12:23	0	0
003	10/5/2022 12:38	0	0
004	10/5/2022 12:53	0	0
005	10/5/2022 13:08	0	0
006	10/5/2022 13:23	0	0
007	10/5/2022 13:38	0	0
008	10/5/2022 13:53	0	0
009	10/5/2022 14:08	0	0
010	10/5/2022 14:23	0	0
011	10/5/2022 14:38	0	0
012	10/5/2022 14:53	0	0
013	10/5/2022 15:08	0	0
014	10/5/2022 15:23	0	0
015	10/5/2022 15:38	0	0
016	10/5/2022 15:53	0	0

22/10/06 08:03

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00030
User ID	USER0000

Begin	10/6/2022 8:03
End	10/6/2022 8:05
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/5/2022 8:08

Datalog

0 record.

22/10/06 08:09

Summary

Unit Name	MiniRAE 3000(PGM-7320)
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Unit SN 592-925680
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00030
User ID USER0000

Begin 10/6/2022 8:09
End 10/6/2022 11:42
Sample Period(s) 900
Number of Records 14

Sensor PID(ppm)
Sensor SN S023030081V8
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/6/2022 8:09
Peak 0.2
Min 0.1
Average 0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/6/2022 8:24	0	0.1	0.8	0.1
002	10/6/2022 8:39	0.1	0.1	0.1	0.1
003	10/6/2022 8:54	0.1	0.2	0.5	0.2
004	10/6/2022 9:09	0.2	0.2	0.2	0.2
005	10/6/2022 9:24	0.2	0.2	0.2	0.2
006	10/6/2022 9:39	0.2	0.2	0.2	0.2
007	10/6/2022 9:54	0.1	0.2	0.2	0.1
008	10/6/2022 10:09	0.1	0.1	0.1	0.1
009	10/6/2022 10:24	0.1	0.1	0.1	0.1
010	10/6/2022 10:39	0.1	0.1	0.3	0.1
011	10/6/2022 10:54	0.1	0.1	0.2	0.1
012	10/6/2022 11:09	0.1	0.1	0.1	0.1
013	10/6/2022 11:24	0.1	0.1	0.1	0.1
014	10/6/2022 11:39	0.1	0.1	0.2	0.1
Peak		0.2	0.2	0.8	0.2
Min		0	0.1	0.1	0.1
Average		0.1	0.1	0.2	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/6/2022 8:24	0	0.1
002	10/6/2022 8:39	0	0.2
003	10/6/2022 8:54	0	0.3

004	10/6/2022 9:09	0	0.4
005	10/6/2022 9:24	0	0.4
006	10/6/2022 9:39	0	0.4
007	10/6/2022 9:54	0	0.3
008	10/6/2022 10:09	0	0.2
009	10/6/2022 10:24	0	0.2
010	10/6/2022 10:39	0	0.2
011	10/6/2022 10:54	0	0.2
012	10/6/2022 11:09	0.1	0.2
013	10/6/2022 11:24	0.1	0.2
014	10/6/2022 11:39	0.1	0.2

22/10/12 09:21

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00030
User ID	USER0000

Begin	10/12/2022 9:21
End	10/12/2022 9:21
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/6/2022 8:09

Datalog

0 record.

22/10/12 09:24

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
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Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00030
User ID	USER0000

Begin	10/12/2022 9:24
End	10/12/2022 9:25
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/12/2022 9:24

Datalog

0 record.

=====

22/10/12 09:26

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00030
User ID	USER0000

Begin	10/12/2022 9:26
End	10/12/2022 11:03
Sample Period(s)	900
Number of Records	6

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25

TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/12/2022 9:24
Peak	2.2
Min	1
Average	1.6

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/12/2022 9:41	0	0.6	1	1
002	10/12/2022 9:56	1	1.2	1.7	1.1
003	10/12/2022 10:11	1.1	1.4	1.8	1.6
004	10/12/2022 10:26	1.5	1.7	1.8	1.8
005	10/12/2022 10:41	1.8	2	2.1	1.9
006	10/12/2022 10:56	1.8	2	2.2	2.2
Peak		1.8	2	2.2	2.2
Min		0	0.6	1	1
Average		1.2	1.5	1.8	1.6

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/12/2022 9:41	0	1
002	10/12/2022 9:56	0.1	2.1
003	10/12/2022 10:11	0.1	2.7
004	10/12/2022 10:26	0.2	3.4
005	10/12/2022 10:41	0.2	3.7
006	10/12/2022 10:56	0.3	4.1

22/10/19 09:24

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00030
User ID	USER0000

Begin	10/19/2022 9:24
End	10/19/2022 9:25
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000

STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/12/2022 9:24

Datalog

0 record.

=====

22/10/19 09:29

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00030
User ID	USER0000

Begin	10/19/2022 9:29
End	10/19/2022 9:29
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/19/2022 9:28

Datalog

0 record.

=====

22/10/19 09:29

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto

Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00030
User ID	USER0000

Begin	10/19/2022 9:29
End	10/19/2022 9:30
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/19/2022 9:28

Datalog

0 record.

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22/10/19 09:30

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00030
User ID	USER0000

Begin	10/19/2022 9:30
End	10/19/2022 12:17
Sample Period(s)	900
Number of Records	11

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10

Measurement Gas
Calibration Time
Peak
Min
Average

Isobutylene
10/19/2022 9:28
0.1
0.1
0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/19/2022 9:45	0	0	0.1	0.1
002	10/19/2022 10:00	0.1	0.1	0.1	0.1
003	10/19/2022 10:15	0.1	0.1	0.1	0.1
004	10/19/2022 10:30	0.1	0.1	0.1	0.1
005	10/19/2022 10:45	0.1	0.1	0.1	0.1
006	10/19/2022 11:00	0.1	0.1	0.2	0.1
007	10/19/2022 11:15	0.1	0.1	0.1	0.1
008	10/19/2022 11:30	0.1	0.1	0.1	0.1
009	10/19/2022 11:45	0.1	0.1	0.2	0.1
010	10/19/2022 12:00	0.1	0.1	0.1	0.1
011	10/19/2022 12:15	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.2	0.1
Min		0	0	0.1	0.1
Average		0.1	0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/19/2022 9:45	0	0.1
002	10/19/2022 10:00	0	0.2
003	10/19/2022 10:15	0	0.2
004	10/19/2022 10:30	0	0.2
005	10/19/2022 10:45	0	0.2
006	10/19/2022 11:00	0	0.2
007	10/19/2022 11:15	0	0.2
008	10/19/2022 11:30	0	0.2
009	10/19/2022 11:45	0	0.2
010	10/19/2022 12:00	0	0.2
011	10/19/2022 12:15	0	0.2

=====

22/10/20 13:46

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-925680
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID RAE00030
User ID USER0000

Begin 10/20/2022 13:46
End 10/20/2022 13:47
Sample Period(s) 900
Number of Records 0

```
-----
Sensor                               PID(ppm)
Sensor SN                           S023030081V8
Measure Type                         Min; Avg; Max; Real
Span                                100
Span 2                              1000
Low Alarm                            50
High Alarm                           100
Over Alarm                           15000
STEL Alarm                           25
TWA Alarm                            10
Measurement Gas                      Isobutylene
Calibration Time                     10/19/2022 9:28
```

Datalog

0 record.

=====

22/10/20 13:51

Summary

```
-----
Unit Name                           MiniRAE 3000(PGM-7320)
Unit SN                             592-925680
Unit Firmware Ver                    V2.16
```

```
-----
Running Mode                         Hygiene Mode
Datalog Mode                         Auto
Diagnostic Mode                      No
Stop Reason                          Pause in Menu Mode
```

```
-----
Site ID                             RAE00030
User ID                             USER0000
```

```
-----
Begin                               10/20/2022 13:51
End                                 10/20/2022 14:05
Sample Period(s)                    900
Number of Records                    0
```

```
-----
Sensor                               PID(ppm)
Sensor SN                           S023030081V8
Measure Type                         Min; Avg; Max; Real
Span                                100
Span 2                              1000
Low Alarm                            50
High Alarm                           100
Over Alarm                           15000
STEL Alarm                           25
TWA Alarm                            10
Measurement Gas                      Isobutylene
Calibration Time                     10/20/2022 13:51
```

Datalog

0 record.

=====

22/10/20 14:30

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-925680
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00030
User ID USER0000

Begin 10/20/2022 14:30
End 10/20/2022 15:50
Sample Period(s) 900
Number of Records 5

Sensor PID(ppm)
Sensor SN S023030081V8
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/20/2022 13:51
Peak 0.3
Min 0.2
Average 0.3

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/20/2022 14:45	0.1	0.2	0.4	0.2
002	10/20/2022 15:00	0.2	0.2	0.3	0.2
003	10/20/2022 15:15	0.2	0.3	0.4	0.3
004	10/20/2022 15:30	0.2	0.3	0.4	0.3
005	10/20/2022 15:45	0.3	0.3	0.8	0.3
Peak		0.3	0.3	0.8	0.3
Min		0.1	0.2	0.3	0.2
Average		0.2	0.3	0.5	0.3

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/20/2022 14:45	0	0.2
002	10/20/2022 15:00	0	0.4
003	10/20/2022 15:15	0	0.5
004	10/20/2022 15:30	0	0.6
005	10/20/2022 15:45	0	0.6

22/10/24 11:57

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	RAE00030
User ID	USER0000
Begin	10/24/2022 11:57
End	10/24/2022 11:59
Sample Period(s)	900
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/20/2022 13:51

Datalog

0 record.

=====

22/10/24 12:02

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	RAE00030
User ID	USER0000
Begin	10/24/2022 12:02
End	10/24/2022 12:10
Sample Period(s)	900
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030081V8

Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/24/2022 12:02

Datalog

0 record.

=====

22/10/24 13:31

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00030
User ID	USER0000

Begin	10/24/2022 13:31
End	10/24/2022 13:44
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/24/2022 12:02

Datalog

0 record.

=====

22/10/24 14:49

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-925680
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00030
User ID USER0000

Begin 10/24/2022 14:49
End 10/24/2022 16:20
Sample Period(s) 900
Number of Records 6

Sensor PID(ppm)
Sensor SN S023030081V8
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/24/2022 12:02
Peak 9.4
Min 0.5
Average 5.7

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/24/2022 15:04	0	0.3	1	0.5
002	10/24/2022 15:19	0.5	3.1	4.9	4.7
003	10/24/2022 15:34	4.1	5.5	6.6	4.6
004	10/24/2022 15:49	3.9	4.9	6.7	6.4
005	10/24/2022 16:04	6.2	7.7	9	8.7
006	10/24/2022 16:19	8	8.8	9.4	9.4
Peak		8	8.8	9.4	9.4
Min		0	0.3	1	0.5
Average		3.8	5.1	6.3	5.7

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/24/2022 15:04	0	0.5
002	10/24/2022 15:19	0.2	5.2
003	10/24/2022 15:34	0.3	9.3
004	10/24/2022 15:49	0.5	11
005	10/24/2022 16:04	0.8	15.1
006	10/24/2022 16:19	1.1	18.1

22/10/25 07:18

Summary

```
-----
Unit Name                      MiniRAE 3000(PGM-7320)
Unit SN                        592-925680
Unit Firmware Ver              V2.16
-----
Running Mode                   Hygiene Mode
Datalog Mode                   Auto
Diagnostic Mode                 No
Stop Reason                     Pause in Menu Mode
-----
Site ID                        RAE00030
User ID                        USER0000
-----
Begin                          10/25/2022 7:18
End                            10/25/2022 7:18
Sample Period(s)               900
Number of Records               0
-----
Sensor                         PID(ppm)
Sensor SN                      S023030081V8
Measure Type                   Min; Avg; Max; Real
Span                           100
Span 2                         1000
Low Alarm                      50
High Alarm                     100
Over Alarm                     15000
STEL Alarm                     25
TWA Alarm                      10
Measurement Gas                Isobutylene
Calibration Time               10/24/2022 12:02
```

Datalog

0 record.

=====

22/10/25 07:22

Summary

```
-----
Unit Name                      MiniRAE 3000(PGM-7320)
Unit SN                        592-925680
Unit Firmware Ver              V2.16
-----
Running Mode                   Hygiene Mode
Datalog Mode                   Auto
Diagnostic Mode                 No
Stop Reason                     Pause in Menu Mode
-----
Site ID                        RAE00030
User ID                        USER0000
-----
Begin                          10/25/2022 7:22
End                            10/25/2022 7:22
Sample Period(s)               900
Number of Records               0
-----
Sensor                         PID(ppm)
Sensor SN                      S023030081V8
Measure Type                   Min; Avg; Max; Real
```

Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/25/2022 7:21

Datalog

0 record.

=====

22/10/25 07:23

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00030
User ID	USER0000

Begin	10/25/2022 7:23
End	10/25/2022 7:23
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/25/2022 7:21

Datalog

0 record.

=====

22/10/25 09:25

Summary

Unit Name	MiniRAE 3000(PGM-7320)
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Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00030
User ID	USER0000

Begin	10/25/2022 9:25
End	10/25/2022 11:35
Sample Period(s)	900
Number of Records	8

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/25/2022 7:21
Peak	1.1
Min	0.1
Average	0.3

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/25/2022 9:40	0	1.4	2.1	1.1
002	10/25/2022 9:55	0.5	0.7	1.1	0.5
003	10/25/2022 10:10	0.3	0.4	0.5	0.3
004	10/25/2022 10:25	0.2	0.2	0.3	0.2
005	10/25/2022 10:40	0.1	0.2	0.2	0.1
006	10/25/2022 10:55	0.1	0.1	0.2	0.1
007	10/25/2022 11:10	0.1	0.1	0.1	0.1
008	10/25/2022 11:25	0.1	0.1	0.1	0.1
Peak		0.5	1.4	2.1	1.1
Min		0	0.1	0.1	0.1
Average		0.2	0.4	0.6	0.3

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/25/2022 9:40	0	1.1
002	10/25/2022 9:55	0.1	1.6
003	10/25/2022 10:10	0.1	0.8
004	10/25/2022 10:25	0.1	0.5
005	10/25/2022 10:40	0.1	0.3
006	10/25/2022 10:55	0.1	0.2
007	10/25/2022 11:10	0.1	0.2
008	10/25/2022 11:25	0.1	0.2

=====

22/10/26 08:26

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	RAE00030
User ID	USER0000
Begin	10/26/2022 8:26
End	10/26/2022 8:31
Sample Period(s)	900
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/25/2022 7:21

Datalog

0 record.

22/10/26 08:35

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down
Site ID	RAE00030
User ID	USER0000
Begin	10/26/2022 8:35
End	10/26/2022 8:57
Sample Period(s)	900
Number of Records	1

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/26/2022 8:35
Peak	0.1
Min	0.1
Average	0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/26/2022 8:50	0	0.1	1.5	0.1
Peak		0	0.1	1.5	0.1
Min		0	0.1	1.5	0.1
Average		0	0.1	1.5	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/26/2022 8:50	0	0.1

=====

22/10/26 09:49

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00030
User ID	USER0000

Begin	10/26/2022 9:49
End	10/26/2022 13:05
Sample Period(s)	900
Number of Records	13

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25

TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/26/2022 8:35
Peak	0.2
Min	0
Average	0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/26/2022 10:04	0	0	0	0
002	10/26/2022 10:19	0	0.1	0.1	0.1
003	10/26/2022 10:34	0.1	0.1	0.1	0.1
004	10/26/2022 10:49	0.1	0.2	0.2	0.2
005	10/26/2022 11:04	0.1	0.2	0.2	0.1
006	10/26/2022 11:19	0.1	0.1	0.2	0.1
007	10/26/2022 11:34	0.1	0.1	0.2	0.2
008	10/26/2022 11:49	0.1	0.1	0.2	0.1
009	10/26/2022 12:04	0.1	0.1	0.2	0.2
010	10/26/2022 12:19	0.1	0.2	0.2	0.2
011	10/26/2022 12:34	0.1	0.1	0.2	0.1
012	10/26/2022 12:49	0.1	0.1	0.2	0.1
013	10/26/2022 13:04	0.1	0.1	0.1	0.1
Peak		0.1	0.2	0.2	0.2
Min		0	0	0	0
Average		0.1	0.1	0.2	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/26/2022 10:04	0	0
002	10/26/2022 10:19	0	0.1
003	10/26/2022 10:34	0	0.2
004	10/26/2022 10:49	0	0.3
005	10/26/2022 11:04	0	0.3
006	10/26/2022 11:19	0	0.2
007	10/26/2022 11:34	0	0.3
008	10/26/2022 11:49	0	0.3
009	10/26/2022 12:04	0	0.3
010	10/26/2022 12:19	0	0.4
011	10/26/2022 12:34	0	0.3
012	10/26/2022 12:49	0	0.2
013	10/26/2022 13:04	0.1	0.2

22/10/26 15:42

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16
Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low
Site ID	RAE00030
User ID	USER0000

```

-----
Begin                               10/26/2022 15:42
End                                10/26/2022 16:17
Sample Period(s)                   900
Number of Records                   2
-----

```

```

Sensor                               PID(ppm)
Sensor SN                           S023030081V8
Measure Type                        Min; Avg; Max; Real
Span                                100
Span 2                              1000
Low Alarm                           50
High Alarm                          100
Over Alarm                          15000
STEL Alarm                          25
TWA Alarm                           10
Measurement Gas                     Isobutylene
Calibration Time                    10/26/2022 8:35
Peak                                0.1
Min                                  0
Average                             0.1

```

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/26/2022 15:57	0	0	0.1	0
002	10/26/2022 16:12	0	0.1	0.3	0.1
Peak		0	0.1	0.3	0.1
Min		0	0	0.1	0
Average		0	0.1	0.2	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/26/2022 15:57	0	0
002	10/26/2022 16:12	0	0.1

=====

22/10/27 08:41

Summary

```

-----
Unit Name                           MiniRAE 3000(PGM-7320)
Unit SN                             592-925680
Unit Firmware Ver                    V2.16
-----

```

```

Running Mode                        Hygiene Mode
Datalog Mode                        Auto
Diagnostic Mode                     No
Stop Reason                         Pause in Menu Mode
-----

```

```

Site ID                             RAE00030
User ID                             USER0000
-----

```

```

Begin                               10/27/2022 8:41
End                                10/27/2022 8:54
Sample Period(s)                   900
Number of Records                   0
-----

```

```

Sensor                               PID(ppm)

```

Sensor SN S023030081V8
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/26/2022 8:35

Datalog

0 record.

=====

22/10/27 08:59

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-925680
Unit Firmware Ver V2.16

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00030
User ID USER0000

Begin 10/27/2022 8:59
End 10/27/2022 12:45
Sample Period(s) 900
Number of Records 15

Sensor PID(ppm)
Sensor SN S023030081V8
Measure Type Min; Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 10/27/2022 8:58
Peak 2.3
Min 0.2
Average 1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/27/2022 9:14	0.1	0.1	0.3	0.2
002	10/27/2022 9:29	0.2	0.3	1.2	0.4

003	10/27/2022 9:44	0.3	0.4	1.3	0.3
004	10/27/2022 9:59	0.3	0.5	0.9	0.9
005	10/27/2022 10:14	0.9	1.3	1.8	1.8
006	10/27/2022 10:29	1	1.5	1.9	1.6
007	10/27/2022 10:44	1.4	2.1	2.4	1.4
008	10/27/2022 10:59	1	1.8	2.3	2.2
009	10/27/2022 11:14	1.7	2.3	2.4	2.3
010	10/27/2022 11:29	0.4	1.9	2.8	0.4
011	10/27/2022 11:44	0.3	0.5	1	1
012	10/27/2022 11:59	0.6	0.9	1.2	0.8
013	10/27/2022 12:14	0.5	0.7	0.9	0.7
014	10/27/2022 12:29	0.6	0.8	1	0.8
015	10/27/2022 12:44	0.4	0.6	0.8	0.7
Peak		1.7	2.3	2.8	2.3
Min		0.1	0.1	0.3	0.2
Average		0.6	1	1.5	1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/27/2022 9:14	0	0.2
002	10/27/2022 9:29	0	0.6
003	10/27/2022 9:44	0	0.7
004	10/27/2022 9:59	0.1	1.2
005	10/27/2022 10:14	0.1	2.7
006	10/27/2022 10:29	0.2	3.4
007	10/27/2022 10:44	0.2	3
008	10/27/2022 10:59	0.3	3.6
009	10/27/2022 11:14	0.3	4.5
010	10/27/2022 11:29	0.4	2.7
011	10/27/2022 11:44	0.4	1.4
012	10/27/2022 11:59	0.4	1.8
013	10/27/2022 12:14	0.4	1.5
014	10/27/2022 12:29	0.5	1.5
015	10/27/2022 12:44	0.5	1.5

22/10/28 08:21

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00030
User ID	USER0000

Begin	10/28/2022 8:21
End	10/28/2022 8:22
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real

Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/27/2022 8:58

Datalog

0 record.

=====

22/10/28 08:24

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00030
User ID	USER0000

Begin	10/28/2022 8:24
End	10/28/2022 8:24
Sample Period(s)	900
Number of Records	0

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/28/2022 8:24

Datalog

0 record.

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22/10/28 08:46

Summary

Unit Name	MiniRAE 3000(PGM-7320)
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Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Battery Low

Site ID	RAE00030
User ID	USER0000

Begin	10/28/2022 8:46
End	10/28/2022 9:22
Sample Period(s)	900
Number of Records	2

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/28/2022 8:24
Peak	0.2
Min	0.1
Average	0.2

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/28/2022 9:01	0	0.1	0.2	0.1
002	10/28/2022 9:16	0.1	0.1	0.4	0.2
Peak		0.1	0.1	0.4	0.2
Min		0	0.1	0.2	0.1
Average		0.1	0.1	0.3	0.2

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/28/2022 9:01	0	0.1
002	10/28/2022 9:16	0	0.3

=====

22/10/31 11:32

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-925680
Unit Firmware Ver	V2.16

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00030
User ID	USER0000

Begin	10/31/2022 11:32
End	10/31/2022 14:23
Sample Period(s)	900
Number of Records	11

Sensor	PID(ppm)
Sensor SN	S023030081V8
Measure Type	Min; Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	10/28/2022 8:24
Peak	0.2
Min	0
Average	0.1

Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	10/31/2022 11:47	0	0	0.2	0
002	10/31/2022 12:02	0	0.1	0.3	0.1
003	10/31/2022 12:17	0.1	0.1	0.3	0.1
004	10/31/2022 12:32	0.1	0.1	0.2	0.2
005	10/31/2022 12:47	0.1	0.1	0.2	0.1
006	10/31/2022 13:02	0.1	0.1	0.1	0.1
007	10/31/2022 13:17	0.1	0.1	0.1	0.1
008	10/31/2022 13:32	0.1	0.1	0.1	0.1
009	10/31/2022 13:47	0.1	0.1	0.1	0.1
010	10/31/2022 14:02	0.1	0.1	0.1	0.1
011	10/31/2022 14:17	0.1	0.1	0.1	0.1
Peak		0.1	0.1	0.3	0.2
Min		0	0	0.1	0
Average		0.1	0.1	0.2	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/31/2022 11:47	0	0
002	10/31/2022 12:02	0	0.1
003	10/31/2022 12:17	0	0.2
004	10/31/2022 12:32	0	0.3
005	10/31/2022 12:47	0	0.3
006	10/31/2022 13:02	0	0.2
007	10/31/2022 13:17	0	0.2
008	10/31/2022 13:32	0	0.2
009	10/31/2022 13:47	0	0.2
010	10/31/2022 14:02	0	0.2
011	10/31/2022 14:17	0	0.2

APPENDIX C

SOIL BORING LOGS AND WELL CONSTRUCTION LOGS

58002

Contractor: <u>LA BELLA</u> Driller: <u>FACOB YOUNG</u> Oversight: <u>TOM HOEN</u> Rig Type: <u>SLIDE HAMMER</u>		PARSONS DRILLING RECORD PROJECT NAME: <u>NYSDOT</u> PROJECT Location: <u>CORNING - TOWNSEND AVE</u>		BORING/ WELL NO. <u>10204</u> Location Description: Location: ☐ Plan: ☐				
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Well: ft bls Additional Comments:		Date/Time Start: <u>10-24-22 / 1355</u> Date/Time Finish: <u>10-24-22 / 1410</u>						
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC Drawing Not to Scale	COMMENTS
SH	-	90	0.0		0.25	0-0.5' - moist m. stiff brown sandy silt, tr f. gravel, tr roots		
SH	-	90	0.0		0.25			
SH	-	90	0.0		0.75	0.5-1.0 - S A A		
SH	-	90	0.0		1.0			
SH	-	90	0.0		1.25	1.0-1.5' - moist stiff, dk reddish-brown silt, little sand.		
SH	-	90	0.0		1.5			
SH	-	90	0.0		1.75	1.5-2' - moist, stiff gray-brown silt and reddish brown, gray and black slag some white ash.		
SH	-	90	0.0		2.0			
					9			
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			
					20			
					21			
SAMPLING METHOD HC = Hand Cleared (post hole) SS = Split Spoon <u>SH SLIDE HAMMER</u>						COMMENTS: <u>SAMPLE VOLUME REQUIRED FROM PORE 4 FEET TO 2'</u>		

Contractor: <u>LA BULLA</u> Driller: <u>JACOB MOUMANS</u> Oversight: <u>TOM HOEN</u> Rig Type: <u>SLIDE HAMMER</u>		PARSONS DRILLING RECORD		SB-003 BORING/ WELL NO.	Page <u>1</u> of <u>1</u>
PROJECT NAME: <u>CORNING - TRANSFORD AVE</u> PROJECT Location:		Location Description:		Location: Plan	
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Boring: ft bls Additional Comments:		Date/Time Start: <u>10-25-22 / 1015</u> Date/Time Finish: <u>10-25-22 / 1025</u>			
Sample Type SPT (%) Recovery (PPM) PID USCS Symbol Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC Drawing Not to Scale	COMMENTS	
SH - 90 0.0 0.25 SH - 90 0.0 0.5 SH - 90 0.0 0.75 SH - 90 0.0 1.0 SH - 90 0.0 1.25 SH - 90 0.0 1.5 SH - 90 0.0 1.75 SH - 90 0.0 2.0	0-0.5' - MOIST, STIFF DK BROWN SANDY SILT TR ROOTS 1TR F. GRAVEL 0.5-1.0' - MOIST, M. STIFF REDDISH ORANGE BROWN SANDY SILT, SOME F-M GRAVEL 1.0-2.0' - MOIST, STIFF DK REDDISH BROWN SANDY SILT, LITTLE F. GRAVEL				
SAMPLING METHOD HC = Hand Cleared (post hole) SS = Split Spoon MC = Macrocore SH = Slide Hammer		COMMENTS: Rechecked volume per sample per proper collection from 3 boreholes to 2'.			

Contractor: <u>LA 34661</u> Driller: <u>JACOB YOUNG</u> Oversight: <u>Tom Kora</u> Rig Type: <u>SLIDE HAMMER</u>		PARSONS DRILLING RECORD BORING/005 Page <u>1</u> of <u>1</u> WELL NO. <u>M204</u> Location Description:	
PROJECT NAME: <u>CORNING TOWNSEND AVE</u> PROJECT Location:		Date/Time Start: <u>10-24-22 / 1430</u> Date/Time Finish: <u>10-24-22 / 1445</u>	
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Well: ft bls Additional Comments:		Location: <u>Plan</u>	
Sample Type SPT Recovery (%) PID (PPM) USCS Symbol Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL <u>BROWN</u> 0.0-0.5' - MOIST, m soft SANDY SILT TR F GRAVEL, TR ROOTS. 0.5-1.0 - SAA. 1.0-2.0' - MOIST, STIFF BROWN SILT, LITTLE SAND, LITTLE COBBLES, TR BLACK GLAU 2.0'		SCHEMATIC Drawing Not to Scale
COMMENTS:		Required Sample Volume Prompted Collection from 3 BORINGS TO 2'	

Contractor: <u>LABELLA</u> Driller: <u>THOMAS YOUNG</u> Oversight: <u>JOHN HOEN</u> Rig Type: <u>SLIDE HAMMER</u>						PARSONS DRILLING RECORD				7B-006 BORING/ WELL NO. <u>NY103</u> Page <u>1</u> of <u>1</u>																																																																																																																																							
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Well: ft bls Additional Comments:						PROJECT NAME: <u>CORNING - TOWNSEND AVE</u> PROJECT Location:				Location Description: Location: Plan																																																																																																																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Type</th> <th>SPT</th> <th>Recovery (%)</th> <th>PID (PPM)</th> <th>USCS Symbol</th> <th>Depth (ft bls)</th> </tr> </thead> <tbody> <tr><td>SH</td><td>-</td><td>80</td><td>0.0</td><td></td><td>0.25</td></tr> <tr><td>SH</td><td>-</td><td>80</td><td>0.0</td><td></td><td>0.25</td></tr> <tr><td>SH</td><td>-</td><td>80</td><td>0.0</td><td></td><td>0.75</td></tr> <tr><td>SH</td><td>-</td><td>80</td><td>0.0</td><td></td><td>1.0</td></tr> <tr><td>SH</td><td>-</td><td>80</td><td>0.0</td><td></td><td>1.25</td></tr> <tr><td>SH</td><td>-</td><td>80</td><td>0.0</td><td></td><td>1.5</td></tr> <tr><td>SH</td><td>-</td><td>80</td><td>0.0</td><td></td><td>1.75</td></tr> <tr><td>SH</td><td>-</td><td>80</td><td>0.0</td><td></td><td>2.0</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>9</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>10</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>11</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>12</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>13</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>14</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>15</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>16</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>17</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>18</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>19</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>20</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td>21</td></tr> </tbody> </table>						Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	SH	-	80	0.0		0.25	SH	-	80	0.0		0.25	SH	-	80	0.0		0.75	SH	-	80	0.0		1.0	SH	-	80	0.0		1.25	SH	-	80	0.0		1.5	SH	-	80	0.0		1.75	SH	-	80	0.0		2.0						9						10						11						12						13						14						15						16						17						18						19						20						21	FIELD IDENTIFICATION OF MATERIAL <u>Brown</u> 0.0 - 0.5' - MOIST, LOOSE SILTY SAND, TR. F. GRAVEL, TR. ROOTS. <u>Brown</u> 0.5 - 1.0' - MOIST, STIFF SANDY SILT, TR. F. GRAVEL. 1.0 - 1.5' - MOIST, STIFF SANDY SILT AND F-C GRAVEL. 1.5 - 2.0' - MOIST, STIFF SANDY SILT AND BLACK SLAG, some WHITE ASH.				SCHEMATIC Drawing Not to Scale		COMMENTS	
Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)																																																																																																																																												
SH	-	80	0.0		0.25																																																																																																																																												
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SAMPLING METHOD HC = Hand Cleared (post hole) SS = Split Spoon						COMMENTS: <u>REQUIRED SAMPLE VOLUME PROMPTLY COLLECTION</u> <u>FROM 3 FEET TO 2'</u>																																																																																																																																											

Contractor: <u>LABELLA</u> Driller: <u>JACOB VOUMANS</u> Oversight: <u>TOM HORN</u> Rig Type: <u>Geoprobe 6610 PT</u>			PARSONS DRILLING RECORD			BORING/007 Page <u>1</u> of <u>2</u> WELL NO. MW-001		
			PROJECT NAME: <u>NY 504C CORNING - TOWNSEND AVE</u> PROJECT Location: <u>CORNING - 79 TOWNSEND AVE</u>			Location Description:		
GROUNDWATER OBSERVATIONS Apparent Borehole DTW: ft bls Measured Water Level: ft bls Total Depth of Boring: ft bls Additional Comments:			Date/Time Start: <u>10-27-22 / 1500</u> Date/Time Finish: <u>10-28-22 / 1130</u>			Location Plan		
Sample Type	SPT	(%) Recovery	(ppm) PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL		SCHEMATIC Drawing Not to Scale
MC	+	80	0.0		1	0.5' - moist dk brown, m stiff sandy silt.		
	-		0.0		2	1.5-3' - moist, stiff brown sandy silt and slag.		
	-		0.0		3			
	-		0.0		4	3-5' - moist, stiff tan-brown clayey silt, some little m-c gravel.		
MC	-		0.0		5			
	-	90	0.0		6	5-6' - SAA.		
	-		0.0		7	6-10' - moist, loose brown silty sand and gravel.		
	-		0.0		8			
	-		0.0		9			
MC	-	80	0.0		10			
	-	85	0.0		11	10-11' - moist m. stiff gray-black silt and sandy silt.		
	-		0.0		12			
	-		0.0		13	11-14.5' - moist m. dense brown f-m sand, little silt.		
	-		0.0		14			
MC	-		0.0		15	14.5-15' - wet, dark brown silty sand and f-c gravel.		
	-	80	0.0		16	15-20' - wet v. loose f-c gravel some sandy silt.		
	-		0.0		17			
	-		0.0		18			
	-		0.0		19			
MC	-		0.0		20			
	-	90	0.0		21	20-25' SAA		TOO WET FOR SAMPLE GRASS BELOW 14.5'
SAMPLING METHOD HC = Hand Cleared (post hole) SS = Split Spoon MC = Macrocore						COMMENTS: INSTALL 10' OF 2" PDC-PACK SCREEN FROM 14-24' BGS VOLUME REQUIRED FOR SAMPLING PERMIT 3 RUNS TO 25', 3 RUNS TO 15' AND 3 RUNS TO 5'.		

Contractor: <u>LA BULL</u>		PARSONS		BORING/ Page <u>2</u> of <u>2</u>	
Driller: <u>JACOB YUMARS</u>		DRILLING RECORD		WELL NO. <u>MA-001</u>	
Oversight: <u>TOM NOEN</u>		PROJECT NAME: <u>10-26-22 / 1500</u>		Location Description:	
Rig Type: <u>GEOPROBE 6610 DT</u>		PROJECT Location: <u>10-28-22 / 1130</u>			
GROUNDWATER OBSERVATIONS		Date/Time Start: <u>10-27-22 / 1500</u>		Location ☐	
Apparent Borehole DTW:		Date/Time Finish: <u>10-28-22 / 1130</u>		Plan ☐	
Measured Water Level:					
Total Depth of Boring:					
Additional Comments:					
Sample Type	SPT	(%) Recovery	(ft) PID	USCS Symbol	Depth (ft) bls
		90	0.0		22
		↓	0.0		23
			0.0		24
		↓	0.0		25
FIELD IDENTIFICATION OF MATERIAL					
				SCHEMATIC	
				Drawing Not to Scale	
				#1 FILTER PACK SAND	
				-24	
				-25'	
COMMENTS:					
SAMPLING METHOD HC = Hand Cleared (post hole) SS = Split Spoon MC = Macrocure					

Contractor: <u>LA BELLA</u> Driller: <u>JACOB YOUNG</u> Oversight: <u>TOM NOEN</u> Rig Type: <u>GEOPROBE 6610DT</u>		PARSONS DRILLING RECORD		BORING/55-008 Page <u>1</u> of <u>2</u> WELL NO. <u>SB-008/11W-2</u> Location Description:				
PROJECT NAME: <u>GERMINE - TOWNSEND AVE</u> PROJECT Location:		Date/Time Start: <u>10-26-22 / 0940</u> Date/Time Finish: <u>10-26-22 / 1425</u>						
GROUNDWATER OBSERVATIONS								
Apparent Borehole DTW:		ft bls						
Measured Water Level:		ft bls						
Total Depth of Boring:		ft bls						
Additional Comments:								
Sample Type	SPT	(%) Recovery	(ppm) PID	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC Drawing Not to Scale	COMMENTS
	-		0.0		1	0.0-0.5' MOIST, STIFF BROWN SANDY SILT, TR ROOTS, TR F. GRAVEL		GRAB sample 0.0-0.5
	-		0.0		2	0.5-1.0' MOIST M. STIFF TAN-BROWN SANDY SILT, SOME F-C GRAVEL, 1'-2' - MOIST V. STIFF BROWN CLAY SILT. 2-4' - SAA.		GRAB sample 0.5-1.0
	-		0.0		3			GRAB sample 1.0-2.0
	-		0.0		4	4-5' - MOIST, STIFF TAN-BROWN SANDY SILT AND F-C GRAVEL.		
MC	-	70	0.0		5			
	-		0.0		6	5-6' - SAA, 6-9' - DRY DENSE GRAY-BROWN SILTY SAND AND GRAVEL, 9-10' - MOIST		
	-		0.0		7			
	-		0.0		8	STIFF REDDISH-BROWN SANDY SILT AND F-C GRAVEL		GRAB sample 8.0-9.0
	-		0.0		9			Duplicate
MC	-	50	0.0		10	10-14.5' - SAA.		
	-		0.0		11	14.5-15' - WET LOOSE REDDISH-BROWN SILTY SAND AND FINE GRAVEL		
	-		0.0		12			
	-		0.0		13			GRAB sample 13-14.5
	-		0.0		14			AND AS/MSD from 13-14.5
MC	-	60	0.0		15			
	-		0.0		16	15-20' - WET LOOSE REDDISH-BROWN SILTY SAND SOME M-C GRAVEL		
	-		0.0		17			
	-		0.0		18			
	-		0.0		19			
MC	-	100	0.0		20			
	-		0.0		21	20-25' - SAA		
SAMPLING METHOD HC = Hand Cleared (post hole) SS = Split Spoon MC = Macrocore SH = SHOT						COMMENTS: SAMPLE VOLUME REQUIRED FROM PROPOSED COLLECTION FROM 5 BORINGS TO 25' AND 1 TO 15'.		

[illegible]

MW-02 well install dimensions:

WELL: pre-packed #1 filter sand screen 14'-24' FT BGS, 2-inch PVC riser 0-14 FT BGS

BACKFILL: pre-pack screen 14-24 FT BGS, 12-14 FT #1 FILTER SAND, 11-12 FT BGS #00 CHOKE SAND, 8-11 FT BGS ANNULAR BENTONITE SEAL, 7-8 FT BGS #00 CHOKE SAND, 0-7 FT BGS CEMENT GROUT

Completed with flush mounted road box. Well diameter 1". Hole diameter 3"

APPENDIX D

SUBJECT MATERIAL MEMORANDUM

MEMORANDUM: SUBJECT MATERIAL OBSERVED AT PROPERTY

Prepared For:



**Department of
Environmental
Conservation**

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7012

Prepared By:



301 Plainfield Road, Suite 350
Syracuse, New York 13212

NOVEMBER 2024

Purpose

This document is prepared for the New York State Department of Environmental Conservation (NYSDEC) and summarizes findings of subject material¹ observed at the Townsend Avenue site (the Site) (NYSDEC #851072) in Corning, New York. The following section describes and provides photographs of subject material observed at Townsend Avenue, Corning, New York. Glass fused to refractory, glass cullet and slag were observed at the Site.

Findings

The property owner of the Townsend Avenue site observed comingled subject material and slag while performing the following landscaping activities at the property in 2021:

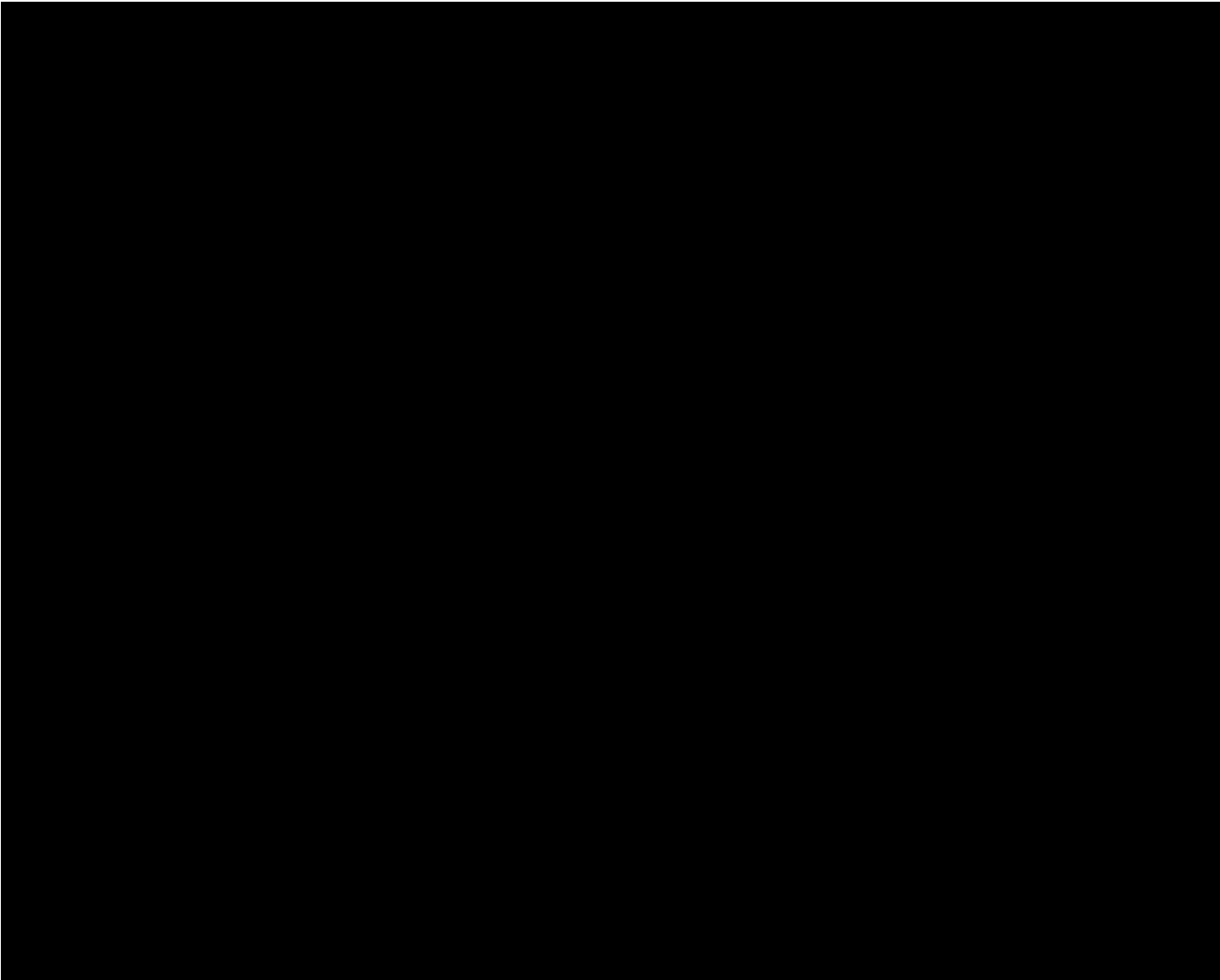
- Digging a 2-feet deep hole to install a cherry tree;
- Digging a shallow area to install a fire pit; and
- Digging a shallow area to install raised garden beds.

The property owner collected subject material from spoil material generated from these landscaping activities. Subject material collected by the property owner from these landscaping activities is shown in **Photograph 1**. In May 2022, the property owner provided Parsons photographs of spoil material generated from additional landscaping activities (see **Photographs 2 through 5**). Specifically, a perimeter fence was installed in May 2022; a pile of spoil material was generated from excavating each fence post installation location. In October 2022, a site characterization was performed at the Site; Subject Material observed at in a hand-clearing excavation is shown in **Photograph 6**.

¹ Subject material is fill that consists of ash, brick, and glass.



Photograph 1: Glass cullet (center and right) and slag (left) collected by the property owner from excavated portions of Townsend Avenue, Corning, New York. Of the three larger blue cullet chunks, the top and bottom appear to be glass fused to refractory material. Buff-colored material appears to underly the glass as shown by obtrusions of buff-colored material on the sides of the cullet pieces.





Photograph 3: A close-up of a spoils pile generated at Townsend Avenue in May 2022. A piece of green cullet (circled in blue) and chunks of slag (circled in red) are present on the surface of the spoils pile.



Photograph 4: Glass cullet and slag (top left) collected by the property owner from the spoils pile in May 2022.



Photograph 5: Two chunks of glass fused to refractory collected by the property owner from the spoils pile in May 2022.



Photograph 6: Slag (left), yellow cullet (center right), and brick (bottom right) excavated from a hand-cleared location at Townsend Avenue on October 19, 2022.

APPENDIX E

WELL DEVELOPMENT LOGS AND GROUNDWATER SAMPLING LOGS

WELL DEVELOPMENT LOG					
Date	12/5/22	Field Personnel	Tom H/Mike H	Weather	Cloudy 46
Site Name	Townsend	Contractor/Driller		Well #	MW-01
Site Location	Corning, NY	Evacuation Method	Waterra	Date Installed:	

Depth to bottom (initial)	<u>23.42 ft.</u>	Measurements taken from:	<u>TOC</u>
Depth to bottom (final)	<u>28.45 ft.</u>	Well Diameter:	<u>2 in.</u>
Depth to water (initial)	<u>15.47 ft.</u>	Casing volume:	<u>1.29 gal.</u>
Depth to water (final)	<u>17.95 ft.</u>	Pump setting intake:	<u>22.95 ft.</u>

[illegible]

Total volume of water removed:		<u>25.62</u>	
Physical appearance at start:			Physical appearance at stop:
Color	<u>Brown</u>	Color	<u>Lt Brown</u>
Odor	<u>None</u>	Odor	<u>None</u>
Sheen/Free Product	<u>None</u>	Sheen/Free Product	<u>None</u>

WELL DEVELOPMENT LOG					
Date	12/5/22	Field Personnel	Tom H/Mike H	Weather	Overcast 49
Site Name	Townsend	Contractor/Driller		Well #	MW-02
Site Location	Corning, NY	Evacuation Method	Waterra	Date Installed:	

Depth to bottom (initial)	<u>23.58 ft.</u>	Measurements taken from:	<u>TOC</u>
Depth to bottom (final)	<u>23.91 ft.</u>	Well Diameter:	<u>2 in.</u>
Depth to water (initial)	<u>14.96 ft.</u>	Casing volume:	<u>1.40 gal.</u>
Depth to water (final)	<u>15.03 ft.</u>	Pump setting intake:	<u>23 ft.</u>

[illegible]

Total volume of water removed: <u>26.00</u> Physical appearance at start: Color <u>Brown</u> Odor <u>None</u> Sheen/Free Product <u>None</u>	Physical appearance at stop: Color <u>Lt Brown</u> Odor <u>None</u> Sheen/Free Product <u>None</u>
--	---

Low Flow Ground Water Sampling Log

Date	12/09/22	Personnel	Tom Horn	Weather	Overcast 32 F
Site Name	Townsend	Evacuation Method	Peri Pump	Well #	MW-01
Site Location	Corning, NY	Sampling Method	Low flow	Project #	452929-02000

Well information:

Depth of Well 16.5 ft.

Depth to Water	15.43 ft.
----------------	-----------

$$H_{wc} = 1.07 \text{ ft.}$$

Depth to Intake 15 ft.

*Measurements taken from:

x	Top of Well Casing
---	--------------------

Top of Protective Casing

(Other, Specify)

Start Purge Time: 0945

[illegible]

End Purge Time: 1015

Water Sample

Time Collected: 10.15

Physical appearance at start:

Color Clear

Odor none

Sheen/Free Product None

Total volume of purged water removed: 237 (gallons)

Physical appearance at start:

Color

Odor none

Sheen/Free Product None

Samples: (See list of parameters collected below)

MS/MSD/Field Dup

TSA-MW-01-2022-12-09

TSA-MW-01-2022-12-09-D

Sample	Container Type	# Collected	Filtered	Preservative	Container Vol.
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsin Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

[illegible]

APPENDIX F

TOPOGRAPHICAL SURVEY INFORMATION

APPENDIX G

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

TOWNSEND AVENUE

SITE NUMBER 851072

Prepared For:



**Department of
Environmental
Conservation**

New York State Department of Environmental Conservation
Division of Environmental Remediation
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Albany, NY 12233-7012

Prepared By:



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APRIL 2023

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ATTACHMENT A – VALIDATED LABORATORY DATA

Attachment A-1 Validated Laboratory Data for Soil Samples

Attachment A-2 Validated Laboratory Data for Groundwater Samples

SECTION 1 DATA USABILITY SUMMARY

Soil and groundwater samples were collected from the Townsend Avenue site on October 19, 2022 through December 9, 2022. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Project Work Plan,
- USEPA analytical methodologies,
- *National Functional Guidelines for Organic Superfund Methods Data Review*, USEPA 540-R-20-005, November 2020;
- *National Functional Guidelines for Inorganic Superfund Methods Data Review*, USEPA 542-R-20-006, November 2020;
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review, and
- *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated June 2021.

The analytical laboratory for this project was Pace Analytical in East Longmeadow, Massachusetts (Pace). This laboratory is certified to perform project analyses through the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP).

1.1 Laboratory Data Packages

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 45-84 days for the project samples. The data packages received from the laboratory were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized in Section 2.

1.2 Sampling and Chain-of-Custody

The samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received at the laboratory within one to two days of sampling. All samples were received intact and in good condition at the laboratory.

1.3 Laboratory Analytical Methods

The soil samples that were collected from the site were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), 1,4-dioxane, pesticides, polychlorinated biphenyls (PCBs), herbicides, per- and polyfluoroalkyl substances (PFAS), metals, cyanide, toxicity characteristic leaching procedure (TCLP) metals, and total petroleum hydrocarbons (TPH). The groundwater samples that were collected from the site were analyzed for VOCs, SVOCs, 1,4-dioxane, pesticides, PCBs, herbicides, PFAS, metals, TCLP metals, and TPH. Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.6. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) are discussed in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

- "U" - not detected at the value given,
- "UJ" - estimated and not detected at the value given,
- "J" - estimated at the value given,
- "J+" - estimated biased high at the value given,
- "J-" - estimated biased low at the value given,
- "N" - presumptive evidence at the value given, and
- "R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Volatile Organic Analysis

The project samples were analyzed for VOCs including 1,4-dioxane using the USEPA SW-846 8260D analytical methods. Certain reported results for these samples were qualified as estimated based upon matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, and instrument calibrations. Certain reported results for the VOC samples were considered unusable and qualified "R" based upon poor instrument calibrations. The reported VOC analytical results were 98.7-100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met overall.

1.3.2 Semivolatile Organic Analysis

The project samples were analyzed for SVOCs including 1,4-dioxane using the USEPA SW-846 8270E/8270E SIM analytical method. Certain reported results for these samples were qualified as estimated based upon holding times, MS/MSD recoveries, LCS recoveries, instrument calibrations, and internal standard responses. The reported SVOC analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.3 Pesticide, PCB, and Herbicide Organic Analysis

The project samples were analyzed for pesticides, PCBs, and herbicides using the USEPA SW-846 8081B, 8082A, and 8151A analytical methods, respectively. Certain reported results for these samples were qualified as estimated based upon sample result identifications. The reported pesticide, PCB, and herbicide analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.4 PFAS Organic Analysis

The project samples were analyzed for PFAS using the laboratory's SOP for PFAS analysis. Certain reported results for these samples were qualified as estimated based upon surrogate recoveries and LCS recoveries. The reported PFAS analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.5 Inorganic Analysis

The project samples were analyzed for metals and TCLP metals using the USEPA SW-846 6010D, 7470A, and 7471B analytical methods. Additionally, soil samples were analyzed for cyanide using USEPA SW-846 9014 analytical method. Certain reported results for these samples were qualified as estimated based upon holding times, MS/MSD recoveries, LCS recoveries, and laboratory duplicate precision; and qualified as not detected

based upon blank contamination. The reported inorganic analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.6 General Chemistry Analysis

The project samples were analyzed for TPH using USEPA SW-846 9071B and USEPA 1664 analytical methods. Certain reported results for these samples were qualified as estimated based upon MS/MSD recoveries. The reported general chemistry analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

SECTION 2 DATA VALIDATION REPORT

2.1 SOIL SAMPLES

Data review has been completed for data packages containing soil samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) 22J3127, 22J3315, 22J3497, 22J3936, 22J4063, 22J4228, 22J4341, and 22K0028. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the most current editions of the USEPA National Functional Guidelines for organic and inorganic data review, the USEPA Region II SOPs for organic and inorganic data review, analytical methodologies, and the *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated June 2021. The validated laboratory data are presented in Attachment A-1. Certain samples may have required dilution prior to analysis based upon sample matrix, color of extract, or large concentrations of target or non-target analytes. This data validation and usability report is presented by analysis type.

2.1.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, and continuing calibrations as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable, within QC limits, and did not warrant qualification for designated spiked project samples with the exception of the low MS/MSD accuracy results for carbon disulfide and chloromethane during the spiked analyses of sample TSA-SS-002-0.0-0.166. Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected parent sample.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the LCS recoveries for bromochloromethane (131%R; QC limit 70-130%R) associated with samples in SDG 22J3936; and trans-1,4-dichloro-2-butene (68.1%R, 61.7%R; QC limit 70-130%R) associated with samples in SDG 22J4063. Validation qualification was not required for the affected samples where LCS recoveries exceeded the QC limit. However, results for those compounds where LCS recoveries fell below the QC limit which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 and maximum percent differences (%Ds) within $\pm 20\%$ with the exception of acrylonitrile (27.0%D), chloromethane (27.6%D), hexachlorobutadiene (-20.4%D), and methylene chloride (22.5%D) in the continuing calibration associated with samples in SDG 22J3127; bromochloromethane (25.9%D), 2-butanone (21.1%D), tert-butyl alcohol (-23.4%D), chloromethane (24.4%D), diethyl ether (21.4%D), and 4-methyl-2-pentanone (20.5%D) in the continuing calibration associated with samples in SDG 22J3936; 1,2-dibromo-3-chloropropane (-26.5%D), trans-1,4-dichloro-2-butene (-30.8%D), and 2,2-dichloropropane (-21.0%D) in the continuing calibration associated with samples in SDG 22J4063; bromochloromethane (21.2%D), bromomethane (-21.7%D), and chloromethane (23.2%D) in the continuing calibration associated with samples in SDGs 22J4228 and 22J4341; and bromomethane (-25.7%D), tert-butyl alcohol (-46.5%D), chloromethane (22.2%D), 1,2-dibromo-3-chloropropane (-27.3%D), trans-1,4-dichloro-2-butene (-29.4%D), 2,2-dichloropropane (-26.6%D), and 1,4-dioxane (-21.7%D) in the continuing calibration associated with samples in SDG 22K0028. Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All volatile soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile soil data presented by the laboratory were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-1.

It was noted that the laboratory did not have NYSDOH ELAP certification for acetone associated with various soil samples. As a result of the loss in ELAP certification, the laboratory did not report acetone results for these samples.

2.1.2 Semivolatiles

The following items were reviewed for compliancy in the semivolatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification

- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of holding times, surrogate recoveries, MS/MSD precision and accuracy, LCS recoveries, initial and continuing calibrations, and internal standard responses as discussed below.

Holding Times

Samples with lab IDs 22J3497-13, -14, -15, -16, and all samples in SDG 22J3936 exceeded the 14-day extraction holding time requirement by one to nine days. Therefore, results were considered estimated, possibly biased low, with positive results qualified “J-” and nondetected results qualified “UJ” for the affected samples.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the low surrogate recovery for 2,4,6-tribromophenol (QC limit 30-130%R) in sample with lab ID 22J3127-03 (26.0%R). Validation qualification was not required for the affected sample.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable, within QC limits, and did not require qualification for designated spiked project samples with the exception of the low MS/MSD accuracy results aniline, benzidine, 4-chloroaniline, 3,3'-dichlorobenzidine, 2,4-dimethylphenol, hexachlorocyclopentadiene, 2-methylphenol, 3-nitroaniline, pentachlorophenol, and pyridine during the spiked analyses of sample TSA-SS-002-0.0-0.166; the low MS/MSD accuracy results for aniline, benzidine, 4-chloroaniline, 3,3'-dichlorobenzidine, hexachlorocyclopentadiene, pentachlorophenol, and pyridine during the spiked analyses of sample TSA-SS-003-0.0-0.166; the low MS/MSD accuracy results for aniline, benzidine, 4-chloroaniline, 3,3'-dichlorobenzidine, hexachlorocyclopentadiene, pentachlorophenol, and pyridine during the spiked analyses of sample TSA-SB-001-1.0-2.0; and the low MS/MSD accuracy results for benzidine and benzoic acid during the spiked analyses of sample TSA-SB-008-13.5-14.5. Therefore, results for these compounds which were nondetects were considered estimated and qualified “UJ” for the affected parent samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the LCS recoveries for hexachlorocyclopentadiene (19.7%R, 22.6%R; QC limit 40-140%R) associated with samples in SDG 22J3315. Therefore, results for this compound which were nondetects were considered estimated and qualified “UJ” for the affected samples.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with minimum average relative response factors (RRFs) of 0.05 and maximum relative standard deviations (%RSDs) of 20% with the exception of benzidine (23.7%RSD, 28.7%RSD, 26.8%RSD) in the initial calibrations associated with samples with lab IDs 22J3127-01, -03, and samples in SDGs 22J3315, 22J3497, 22J3936, 22J4063, and 22J4228; and 2,4-dinitrophenol (33.8%RSD) in the initial calibration associated with sample with lab ID 22J3127-02. Therefore, results for these compounds which were nondetects were considered estimated and qualified “UJ” for the affected samples.

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 and maximum percent differences (%Ds) within $\pm 20\%$ with the exception of aniline (-28.0%D, -29.1%D, -30.5%D) in the continuing calibrations associated with samples in SDG 22J3127 and with samples with lab IDs 22J3497-01 through -05; benzidine (-59.3%D, -57.6%D, -52.2%D, -56.6%D) in the continuing calibrations associated with

samples with lab IDs 22J3127-01, -03, 22J3936-01 through -07, and with samples in SDG 22J3497; benzidine (-75.3%D), aniline (-26.1%D), benzoic acid (23.6%D), and butylbenzylphthalate (20.4%D) in the continuing calibration associated with samples in SDG 22J3315; benzoic acid (23.0%D) in the continuing calibration associated with samples with lab IDs 22J3497-08 through -16, and soil samples in SDG 22J4063; and benzidine (-74.4%D), aniline (-24.1%D), benzoic acid (40.2%D), and 1-methylnaphthalene (22.2%D) in the continuing calibration associated with samples in SDG 22J4228. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

Internal Standard Responses

All internal standard (IS) responses and retention times were within specified QC ranges based on associated calibration standards (i.e., sample's area count within -50% to +100% and retention times within ± 0.5 minutes of the standard) with the exception of the high responses for the ISs 1,4-dichlorobenzene-d4, naphthalene-d8, and acenaphthene-d10 in sample with lab ID 22J3497-09. Therefore, results associated with these ISs which were nondetects were considered estimated and qualified “UJ” for the affected sample.

Usability

All semivolatile soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The semivolatile soil data presented by the laboratory were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A-1.

2.1.3 Pesticide, PCB, and Herbicide

The following items were reviewed for compliancy in the pesticide, PCB, and herbicide analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment blank contamination
- Initial calibrations
- Verification calibrations
- 4,4'-DDT/endrin breakdown
- Chromatogram quality
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, and sample result identifications as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MS/MSD accuracy results for 2,4-D, dalapon, dicamba, dichloroprop, MCPP, 2,4,5-T, and 2,4,5-TP during the spiked analyses of sample TSA-SS-002-0.0-0.166; the high MS/MSD accuracy results for dalapon during the spiked analyses of sample TSA-SB-002-1.0-2.0; and the high MS/MSD accuracy results for dinoseb during the spiked analyses of sample TSA-SB-007-1.0-2.0. Validation qualification was not required for the affected parent samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the many high LCS herbicide recoveries associated with samples in SDGs 22J3127, 22J3936, and 22J4063; and the high LCS recoveries for dinoseb (149%R; QC limit 70-130%R) and 2,4-DB (147%R; QC limit 70-130%R) associated with samples in SDGs 22J4228 and 22J4341. Validation qualification was not required for the affected samples.

Sample Result Identifications

All positive pesticide, PCB, and herbicide sample results were within retention time windows and verified present using secondary column confirmation. The precision (%RPD) between the results on the quantitation and confirmation columns were less than 40% with the exception of 4,4'-DDE in samples with lab IDs 22J3127-02 (120%RPD), -03 (94.7%RPD), and 22J4228-03 (71.2%RPD); and chlordane in samples with lab IDs 22J3127-02 (48.9%RPD) and -03 (44.0%RPD). Therefore, the results for these compounds were considered estimated and qualified "J" for the affected samples. Results for those compounds where precision exceeded 90%RPD were considered estimated, tentatively identified, and qualified "JN" for the affected samples.

Usability

All pesticide, PCB, and herbicide soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The pesticide, PCB, and herbicide soil data presented by the laboratory were 100% complete (i.e., usable). The validated pesticide, PCB, and herbicide laboratory data are tabulated and presented in Attachment A-1.

2.1.4 PFAS

The following items were reviewed for compliancy in the PFAS analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment/field blank contamination
- Instrument performance
- Initial and continuing calibrations
- Internal standard responses
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, MS/MSD precision and accuracy, and LCS recoveries as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within the 50-150%R QC limit with the exception of the high surrogate recovery for M2-6:2 FTS in sample with lab ID 22J3936-09 (158%R). Validation qualification was not required for the affected samples.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MS/MSD accuracy results for ADONA during the spiked analyses of sample TSA-SS-002-0.0-0.166. Validation qualification was not required for the affected parent sample.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the LCS recoveries for PFTA (63.3%R; QC limit 69-133%R) associated with samples in SDG 22J3127; and ADONA (197%R; QC limit 55.2-122%R) associated with samples in SDGs 22J3936, 22J4228, and 22J4341. Validation qualification was not required for those compounds where LCS recoveries exceeded the QC limit. However, results for those compounds where LCS recoveries fell below the QC limit which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All PFAS soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The PFAS soil data presented by the laboratory were 100% complete (i.e., usable). The validated PFAS laboratory data are tabulated and presented in Attachment A-1.

2.1.5 Inorganics (Including TCLP Metals)

The following items were reviewed for compliancy in the inorganics analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and field QC equipment blank contamination
- Interference check sample (ICS) recoveries
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Serial dilutions
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of holding times, blank contamination, MS/MSD recoveries, LCS recoveries, and laboratory duplicate precision as discussed below.

Holding Times

Mercury samples with lab IDs 22J3497-01 through -11 exceeded the 28-day holding time requirement by one day. Therefore, the mercury results were considered estimated and qualified “J” for the affected samples.

Blank Contamination

The laboratory preparation blank associated with samples in SDG 22J3127 contained manganese below the reporting limit at a concentration of 0.073 mg/kg; the laboratory preparation blanks associated with samples in SDG 22J3315 contained lead, manganese, zinc, copper, TCLP cadmium, TCLP lead, and TCLP selenium at concentrations of 0.38, 0.16, 0.66, 0.67, 0.0011, 0.0048, and 0.013 ppm, respectively; the laboratory preparation blanks associated with samples in SDG 22J3497 contained zinc, mercury, and TCLP mercury below the reporting limit at concentrations of 0.43, 0.0071, and 0.000052 ppm, respectively; the laboratory preparation blank associated with samples in SDG 22J3936 contained TCLP mercury below the reporting limit at a concentration of 0.00010 mg/L; the laboratory preparation blanks associated with soil samples in SDG 22J4063 contained zinc, copper, TCLP barium, TCLP selenium, TCLP lead, and TCLP mercury below the reporting limit at concentrations of 0.39, 0.16, 0.0064, 0.012, 0.0035, and 0.000063 ppm, respectively; the QC equipment blanks associated with samples in SDG 22J4063 contained mercury, aluminum, TCLP mercury, and TCLP lead at concentrations of 0.00017, 0.022, 0.000054, and 0.0036 mg/L, respectively; and the laboratory preparation blanks associated with samples in SDG 22J4228 contained manganese and TCLP mercury below the reporting limit at concentrations of 0.09 and 0.000063 ppm, respectively. Therefore, results for these analytes less than validation action concentrations were considered not detected and qualified “U” for the affected samples.

MS/MSD Recoveries

All MS/MSD recoveries were considered acceptable and within the 75-125%R QC limit (80-120%R for mercury) with the exception of the MS/MSD recoveries for antimony (34.4%R, 33.3%R) and boron (69.9%R, 69.6%R) associated with sample TSA-SS-002-0.0-0.166; antimony (33.6%R) associated with sample TSA-SS-003-0.0-0.166; antimony (31.9%R, 34.4%R), boron (71.4%R, 72.3%R), and selenium (53.2%R, 55.2%R) associated with sample TSA-SB-001-1.0-2.0; zinc (136%R) and antimony (31.2%R, 31.8%R) associated with sample TSA-SB-008-13.5-14.5; and lead (68.3%R), sodium (51.9%R), antimony (39.7%R), and boron (72.1%R) associated with sample TSA-SB-003-0.0-0.5. Therefore, results for those analytes where MS/MSD recoveries fell below the QC limit were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples. Positive results for those analytes where MS/MSD recoveries exceeded the QC limit were considered estimated and qualified “J” for the affected samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within the 85-115 QC limit with the exception of the LCS recoveries for antimony (77.9%R, 74.2%R, 69.4%R, 72.9%R, 73.1%R, 74.5%R) associated with samples in SDGs 22J3127, 22J4063, and 22J4228; TCLP selenium (125%R, 123%R, 124%R, 127%R, 122%R) associated with samples in SDGs 22J3315, 22J4063, and 22J4228; and sodium (73.8%R, 74.7%R) associated with samples in SDG 22J4228. Therefore, results for those analytes where LCS recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified “J-” and nondetected results qualified “UJ” for the affected samples. Positive results for those analytes where LCS recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified “J+” for the affected samples.

Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable and less than 35%RPD with the exception of the laboratory duplicate precision for sodium (66.3%RPD) associated with sample TSA-SB-003-0.0-0.5. Therefore, the result for this analyte was considered estimated and qualified “J” for the affected sample.

Usability

All inorganic soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The inorganic soil data presented by the laboratory were 100% complete (i.e., usable). The validated inorganic laboratory data are tabulated and presented in Attachment A-1.

2.1.6 General Chemistry

The following items were reviewed for compliancy in the general chemistry analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and field QC equipment blank contamination
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination and MS/MSD recoveries as discussed below.

Blank Contamination

The QC equipment blank associated with samples in SDG 22J4063 contained TPH below the reporting limit at a concentration of 0.6 mg/L. Validation qualification was not required for the affected samples.

MS/MSD Recoveries

All MS/MSD recoveries were considered acceptable and within the 80-120%R QC limit with the exception of the low MS/MSD recoveries for TPH (75.2%R, 59.1%R) associated with sample TSA-SS-002-0.0-0.166. Therefore, the TPH result was considered estimated and qualified “J” for the affected sample.

Usability

All general chemistry soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The general chemistry soil data presented by the laboratory were 100% complete (i.e., usable). The validated general chemistry laboratory data are tabulated and presented in Attachment A-1.

2.2 GROUNDWATER SAMPLES

Data review has been completed for data packages containing groundwater samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) 22L1411 and 22L1533. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the most current editions of the USEPA National Function Guidelines for organic and inorganic data review, the USEPA Region II SOPs for organic and inorganic data review, analytical methodologies, and the *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated June 2021. The validated laboratory data are presented in Attachment A-2. This data validation and usability report is presented by analysis type.

2.2.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment blank / trip blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, blank contamination, and continuing calibrations as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MS/MSD accuracy results for acetone, chloromethane, 2-hexanone, vinyl chloride, and 4-methyl-2-pentanone during the spiked analyses of sample TSA-MW-02-2022-12-08. Validation qualification was not required for the affected parent sample.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recoveries for chloromethane (225%R, 215%R; QC limit 40-160%R) associated with samples in SDG 22L1533 and with sample with lab ID 22L1411-03; and acrylonitrile (135%R, 135%R; QC limit 70-130%R), trans-1,4-dichloro-2-butene (135%R, 137%R; QC limit 70-130%R), 1,4-dioxane (165%R, 154%R; QC limit 40-130%R), methyl acetate (157%R, 167%R; QC limit 70-130%R), tetrahydrofuran (153%R, 150%R; QC limit 70-130%R), vinyl chloride (222%R, 209%R; QC limit 40-160%R), and 1,2,3-trichlorobenzene (139%R; QC limit 70-130%R) associated with sample with lab ID 22L1411-01. Validation qualification was not required for the affected samples.

Blank Contamination

The QC trip blanks associated with the groundwater samples contained chloroform below the reporting limit at concentrations of 0.81 and 0.91 µg/L. Validation qualification was not required for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 and maximum percent differences (%Ds) within $\pm 20\%$ with the exception of acetone (54.8%D), 2-butanone (43.4%D), chloroethane (31.3%D), trans-1,4-dichloro-2-butene (31.1%D), diethyl ether (33.0%D), 1,4-dioxane (37.9%D), 2-hexanone (46.0%D), methyl acetate (43.4%D), methyl cyclohexane (20.7%D), 4-methyl-2-pentanone (40.5%D), tetrahydrofuran (36.2%D), 1,2,3-trichlorobenzene (23.5%D), 1,2,3-trichloropropane (22.2%D), and vinyl chloride (114%D) in the continuing calibration associated with sample with lab ID 22L1411-01; and bromoform (-22.4%D), chloromethane (141%D), trans-1,4-dichloro-2-butene (-26.9%D), 1,4-dioxane (-32.5%D), and methyl tert-butyl ether (-42.4%D) in the continuing calibration associated with samples in SDG 22L1533 and with sample with lab ID 22L1411-03. Therefore, the results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples. However, nondetected results for those compounds where the %D exceeded $\pm 90\%$ were considered unusable and qualified “R” for the affected samples.

Usability

All volatile groundwater sample results were considered usable following data validation with the exception of certain nondetected results based upon poor continuing calibrations.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile groundwater data presented by the laboratory were 98.7% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-2.

2.2.2 Semivolatiles

The following items were reviewed for compliancy in the semivolatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy and initial and continuing calibrations as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable, within QC limits, and did not warrant qualification for designated spiked project samples with the exception of the low MS/MSD accuracy results for benzoic acid and pyridine during the spiked analyses of sample TSA-MW-02-2022-12-08. Therefore, the results for these compounds which were nondetects were considered estimated and qualified “UJ” for the affected parent samples.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with minimum average relative response factors (RRFs) of 0.05 and maximum percent relative standard deviations (%RSDs) of 20% with the exception of benzidine (26.8%RSD) in the initial calibration associated with all samples. Therefore, results for this compound which were nondetects were considered estimated and qualified “UJ” for the affected samples.

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 and maximum percent differences (%Ds) within $\pm 20\%$ with the exception of aniline (-24.1%D), benzidine (-69.2%D), 2,4-dinitrophenol (-28.6%D), and pentachlorophenol (-24.4%D) in the continuing calibration associated with samples in SDG 22L1411; and benzidine (-68.2%D), bis(2-chloroethyl)ether (21.6%D), bis(2-chloroisopropyl)ether (30.4%D), bis(2-ethylhexyl)phthalate (25.8%D), 2,4-dinitrophenol (-31.3%D), 1,2-diphenylhydrazine (24.0%D), 2-nitroaniline (21.5%D), 4-nitrophenol (21.6%D), N-nitrosodimethylamine (24.6%D), N-nitrosodi-n-propylamine (26.9%D), and pentachlorophenol (-29.4%D) in the continuing calibration associated with samples in SDG 22L1533. Therefore, results for these compounds which were nondetects were considered estimated and qualified “UJ” for the affected samples.

Usability

All semivolatile groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The semivolatile groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A-2.

2.2.3 Pesticide, PCB, and Herbicide

The following items were reviewed for compliancy in the pesticide, PCB, and herbicide analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- 4,4'-DDT/endrin breakdown
- Chromatogram quality
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All pesticide, PCB, and herbicide groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The pesticide, PCB, and herbicide groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated pesticide, PCB, and herbicide laboratory data are tabulated and presented in Attachment A-2.

2.2.4 PFAS

The following items were reviewed for compliancy in the PFAS analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and equipment/field blank contamination
- Instrument performance
- Initial and continuing calibrations
- Internal standard responses
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries and MS/MSD precision and accuracy as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within the 50-150%R QC limit with the exception of the surrogate recoveries for M2-4:2 FTS in samples with lab IDs 22L1411-01 (48%R), 22L1533-04 (38%R), and -05 (39%R); M2-6:2 FTS in sample with lab ID 22L1533-05 (48%R); and M3HFPO-DA in samples with lab IDs 22L1533-04 (152%R) and -05 (187%R). Therefore, results associated with those surrogates that recovered below the QC limit were considered estimated, possibly biased low, with positive results qualified “J-” and nondetected results qualified “UJ” for the affected samples. Validation qualification was not required for the associated results where surrogate recoveries exceeded the QC limit for the affected samples.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MS accuracy result for N-MeFOSAA during the spiked analyses of sample TSA-MW-02-2022-12-08. Validation qualification was not required for the affected parent sample.

Usability

All PFAS groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The PFAS groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated PFAS laboratory data are tabulated and presented in Attachment A-2.

2.2.5 Metals (Including TCLP Metals)

The following items were reviewed for compliancy in the metals analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and equipment blank contamination
- Interference check sample (ICS) recoveries
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Serial dilutions
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination and LCS recoveries as discussed below.

Blank Contamination

The laboratory preparation blanks associated with samples in SDG 22L1411 contained mercury, TCLP chromium, and TCLP selenium below the reporting limit at concentrations of 0.000061, 0.0026, and 0.028 mg/L, respectively; the laboratory preparation blanks associated with samples in SDG 22L1533 contained iron, mercury, TCLP chromium, and TCLP selenium below the reporting limit at concentrations of 0.021, 0.000061, 0.0026, and 0.028 mg/L, respectively; and the QC equipment blank associated with samples in SDG 22L1533 contained aluminum, calcium, magnesium, mercury, and sodium at concentrations of 0.035, 0.39, 0.086, 0.00015, and 0.79 mg/L, respectively. Validation qualification was not required for the affected samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recoveries for TCLP selenium (125%R, 123%R; QC limit 80-120%R) associated with all samples. Validation qualification was not required for the affected samples.

Usability

All metals groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The metals groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated metals laboratory data are tabulated and presented in Attachment A-2.

2.2.6 General Chemistry

The following items were reviewed for compliancy in the general chemistry analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and field QC equipment blank contamination
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All general chemistry groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The general chemistry groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated general chemistry laboratory data are tabulated and presented in Attachment A-2.

ATTACHMENT A – VALIDATED LABORATORY DATA

ATTACHMENT A-1 VALIDATED LABORATORY DATA FOR SOIL SAMPLES

			Location ID	TSA-SB-001	TSA-SB-001	TSA-SB-001	TSA-SB-001	TSA-SB-002
			Sample ID	TSA-SB-001-0.0-0.5	TSA-SB-001-0.5-1.0	TSA-SB-001-1.0-2.0	TSA-SB-001-1.0-2.0	TSA-SB-002-0.0-0.5
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J3497-01	22J3497-02	22J3497-03	22J4341-01	22J3497-04
			SDG	22J3497	22J3497	22J3497	22J3497	22J3497
			Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
			Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
6010C	Aluminum	7429-90-5	NA	mg/kg	8200	7800	10000	10000
6010C	Antimony	7440-36-0	NA	mg/kg	2.1 U	2 U	2 U	2 U
6010C	Arsenic	7440-38-2	NA	mg/kg	9.9	10	11	6.9
6010C	Arsenic	7440-38-2	TCLP	mg/l	0.026 J	0.05 U	0.0089 J	0.0049 J
6010C	Barium	7440-39-3	NA	mg/kg	110	110	150	85
6010C	Barium	7440-39-3	TCLP	mg/l	0.52	0.66	0.56	0.3 J
6010C	Beryllium	7440-41-7	NA	mg/kg	0.51	0.58	0.63	0.46
6010C	Boron	7440-42-8	NA	mg/kg	3.6 J	3.3 J	2.2 J	2.2 J
6010C	Cadmium	7440-43-9	NA	mg/kg	1	0.77	0.85	0.39 U
6010C	Cadmium	7440-43-9	TCLP	mg/l	0.004 J	0.0051 J	0.0025 J	0.01 U
6010C	Calcium	7440-70-2	NA	mg/kg	6300	5700	2800	2100
6010C	Chromium, Total	7440-47-3	NA	mg/kg	11	11	12	12
6010C	Chromium, Total	7440-47-3	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Cobalt	7440-48-4	NA	mg/kg	6.7	6.5	8.4	7.6
6010C	Copper	7440-50-8	NA	mg/kg	27	30	21	19
6010C	Iron	7439-89-6	NA	mg/kg	20000	19000	22000	21000
6010C	Lead	7439-92-1	NA	mg/kg	600	330	430	36
6010C	Lead	7439-92-1	TCLP	mg/l	0.071 J	0.091 J	0.017 J	0.1 U
6010C	Magnesium	7439-95-4	NA	mg/kg	3600	3100	2400	2600
6010C	Manganese	7439-96-5	NA	mg/kg	500	450	540	470
6010C	Nickel	7440-02-0	NA	mg/kg	15	15	17	17
6010C	Potassium	7440-09-7	NA	mg/kg	720	720	870	670
6010C	Selenium	7782-49-2	NA	mg/kg	4.1 U	3.9 U	3.9 U	3.9 U
6010C	Selenium	7782-49-2	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Silver	7440-22-4	NA	mg/kg	0.41 U	0.39 U	0.39 U	0.39 U
6010C	Silver	7440-22-4	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Sodium	7440-23-5	NA	mg/kg	69 J	69 J	120 J	53 J
6010C	Thallium	7440-28-0	NA	mg/kg	2.1 U	2 U	2 U	2 U
6010C	Vanadium	7440-62-2	NA	mg/kg	16	17	17	18
6010C	Zinc	7440-66-6	NA	mg/kg	120	100	87	71
7471B	Mercury	7439-97-6	NA	mg/kg	0.096 J	0.15 J	0.16 J	0.053 J
7471B	Mercury	7439-97-6	TCLP	mg/l	0.0001 U	0.0001 U	0.0001 U	0.0001 U
8081B	Alachlor	15972-60-8	NA	mg/kg				
8081B	Aldrin	309-00-2	NA	mg/kg			0.27 U	
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg			0.067 U	
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg			0.067 U	
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg			0.067 U	
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg			0.11 U	
8081B	Chlordane	57-74-9	NA	mg/kg			0.27 U	
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg			0.067 U	
8081B	Dieldrin	60-57-1	NA	mg/kg			0.053 U	
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg			0.11 U	
8081B	Endrin	72-20-8	NA	mg/kg			0.11 U	
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg			0.11 U	
8081B	Endrin Ketone	53494-70-5	NA	mg/kg			0.11 U	
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg			0.027 U	
8081B	Heptachlor	76-44-8	NA	mg/kg			0.067 U	
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg			0.067 U	
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg			0.08 U	
8081B	Methoxychlor	72-43-5	NA	mg/kg			0.67 U	
8081B	P,P'-DDD	72-54-8	NA	mg/kg			0.053 U	
8081B	P,P'-DDE	72-55-9	NA	mg/kg			0.053 U	
8081B	P,P'-DDT	50-29-3	NA	mg/kg			0.053 U	
8081B	Toxaphene	8001-35-2	NA	mg/kg			1.3 U	
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg			0.11 U	
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg			0.11 U	

			Location ID	TSA-SB-001	TSA-SB-001	TSA-SB-001	TSA-SB-001	TSA-SB-002
			Sample ID	TSA-SB-001-0.0-0.5	TSA-SB-001-0.5-1.0	TSA-SB-001-1.0-2.0	TSA-SB-001-1.0-2.0	TSA-SB-002-0.0-0.5
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J3497-01	22J3497-02	22J3497-03	22J3497-01	22J3497-04
			SDG	22J3497	22J3497	22J3497	22J3497	22J3497
			Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
			Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg			0.11	U
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg			0.11	U
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg			0.11	U
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg			0.11	U
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg			0.11	U
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg			0.11	U
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg			0.11	U
8260	1,1,1,2-Tetrachloroethane	630-20-6	NA	mg/kg			0.0058	U
8260	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg			0.0058	U
8260	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg			0.0029	U
8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg			0.029	U
8260	1,1,2-Trichloroethane	79-00-5	NA	mg/kg			0.0058	U
8260	1,1-Dichloroethane	75-34-3	NA	mg/kg			0.0058	U
8260	1,1-Dichloroethene	75-35-4	NA	mg/kg			0.012	U
8260	1,1-Dichloropropene	563-58-6	NA	mg/kg			0.0058	U
8260	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg			0.0058	U
8260	1,2,3-Trichloropropane	96-18-4	NA	mg/kg			0.0058	U
8260	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg			0.0058	U
8260	1,2,4-Trimethylbenzene	95-63-6	NA	mg/kg			0.0058	U
8260	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg			0.0058	U
8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg			0.0029	U
8260	1,2-Dichlorobenzene	95-50-1	NA	mg/kg			0.0058	U
8260	1,2-Dichloroethane	107-06-2	NA	mg/kg			0.0058	U
8260	1,2-Dichloropropane	78-87-5	NA	mg/kg			0.0058	U
8260	1,3,5-Trichlorobenzene	108-70-3	NA	mg/kg			0.0058	U
8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	mg/kg			0.0058	U
8260	1,3-Dichlorobenzene	541-73-1	NA	mg/kg			0.0058	U
8260	1,3-Dichloropropane	142-28-9	NA	mg/kg			0.0029	U
8260	1,4-Dichlorobenzene	106-46-7	NA	mg/kg			0.0058	U
8260	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg			0.29	U
8260	2,2-Dichloropropane	594-20-7	NA	mg/kg			0.0058	U
8260	2-Chlorotoluene	95-49-8	NA	mg/kg			0.0058	U
8260	2-Hexanone	591-78-6	NA	mg/kg			0.058	U
8260	2-Methoxy-2-Methylbutane	994-05-8	NA	mg/kg			0.0029	U
8260	4-Chlorotoluene	106-43-4	NA	mg/kg			0.0058	U
8260	Acetone	67-64-1	NA	mg/kg			0.29	U
8260	Acrylonitrile	107-13-1	NA	mg/kg			0.017	U
8260	Benzene	71-43-2	NA	mg/kg			0.0058	U
8260	Bromobenzene	108-86-1	NA	mg/kg			0.0058	U
8260	Bromochloromethane	74-97-5	NA	mg/kg			0.0058	UJ
8260	Bromodichloromethane	75-27-4	NA	mg/kg			0.0058	U
8260	Bromoform	75-25-2	NA	mg/kg			0.0058	U
8260	Bromomethane	74-83-9	NA	mg/kg			0.029	UJ
8260	Carbon Disulfide	75-15-0	NA	mg/kg			0.029	U
8260	Carbon Tetrachloride	56-23-5	NA	mg/kg			0.0058	U
8260	Chlorobenzene	108-90-7	NA	mg/kg			0.0058	U
8260	Chloroethane	75-00-3	NA	mg/kg			0.058	U
8260	Chloroform	67-66-3	NA	mg/kg			0.012	U
8260	Chloromethane	74-87-3	NA	mg/kg			0.029	UJ
8260	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg			0.0058	U
8260	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg			0.0029	U
8260	Cymene	99-87-6	NA	mg/kg			0.0058	U
8260	Dibromochloromethane	124-48-1	NA	mg/kg			0.0029	U
8260	Dibromomethane	74-95-3	NA	mg/kg			0.0058	U
8260	Dichlorodifluoromethane	75-71-8	NA	mg/kg			0.058	U
8260	Diethyl Ether (Ethyl Ether)	60-29-7	NA	mg/kg			0.058	U

			Location ID	TSA-SB-001	TSA-SB-001	TSA-SB-001	TSA-SB-001	TSA-SB-002
			Sample ID	TSA-SB-001-0.0-0.5	TSA-SB-001-0.5-1.0	TSA-SB-001-1.0-2.0	TSA-SB-001-1.0-2.0	TSA-SB-002-0.0-0.5
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J3497-01	22J3497-02	22J3497-03	22J4341-01	22J3497-04
			SDG	22J3497	22J3497	22J3497	22J3497	22J3497
			Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
			Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
8260	Ethyl Tert-Butyl Ether	637-92-3	NA	mg/kg			0.0029	U
8260	Ethylbenzene	100-41-4	NA	mg/kg			0.0058	U
8260	Hexachlorobutadiene	87-68-3	NA	mg/kg			0.0058	U
8260	Isopropyl Ether	108-20-3	NA	mg/kg			0.0029	U
8260	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg			0.0058	U
8260	m,p-Xylene	179601-23-1	NA	mg/kg			0.012	U
8260	Methyl Acetate	79-20-9	NA	mg/kg			0.0058	U
8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg			0.12	U
8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg			0.058	U
8260	Methylcyclohexane	108-87-2	NA	mg/kg			0.0058	U
8260	Methylene Chloride	75-09-2	NA	mg/kg			0.058	U
8260	Naphthalene	91-20-3	NA	mg/kg			0.012	U
8260	N-Butylbenzene	104-51-8	NA	mg/kg			0.0058	U
8260	N-Propylbenzene	103-65-1	NA	mg/kg			0.0058	U
8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	mg/kg			0.0058	U
8260	Sec-Butylbenzene	135-98-8	NA	mg/kg			0.0058	U
8260	Styrene	100-42-5	NA	mg/kg			0.0058	U
8260	T-Butylbenzene	98-06-6	NA	mg/kg			0.0058	U
8260	Tert-Butyl Alcohol	75-65-0	NA	mg/kg			0.29	U
8260	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg			0.012	U
8260	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg			0.0058	U
8260	Tetrahydrofuran	109-99-9	NA	mg/kg			0.029	U
8260	Toluene	108-88-3	NA	mg/kg			0.0015	J
8260	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg			0.0058	U
8260	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg			0.0029	U
8260	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	mg/kg			0.012	U
8260	Trichloroethylene (TCE)	79-01-6	NA	mg/kg			0.0058	U
8260	Trichlorofluoromethane	75-69-4	NA	mg/kg			0.029	U
8260	Vinyl Chloride	75-01-4	NA	mg/kg			0.029	U
8270	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.43	U	0.4	U
8270	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.43	U	0.4	U
8270	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.43	U	0.42	U
8270	1,2-Diphenylhydrazine	122-66-7	NA	mg/kg	0.43	U	0.4	U
8270	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.43	U	0.4	U
8270	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.43	U	0.4	U
8270	1-Methylnaphthalene	90-12-0	NA	mg/kg	0.21	U	0.21	U
8270	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.43	U	0.4	U
8270	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.43	U	0.4	U
8270	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.43	U	0.4	U
8270	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.43	U	0.4	U
8270	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.83	U	0.78	U
8270	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.43	U	0.4	U
8270	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.43	U	0.4	U
8270	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.43	U	0.4	U
8270	2-Chlorophenol	95-57-8	NA	mg/kg	0.43	U	0.4	U
8270	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.21	U	0.21	U
8270	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.43	U	0.4	U
8270	2-Nitroaniline	88-74-4	NA	mg/kg	0.43	U	0.4	U
8270	2-Nitrophenol	88-75-5	NA	mg/kg	0.43	U	0.4	U
8270	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.43	U	0.4	U
8270	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.21	U	0.21	U
8270	3-Nitroaniline	99-09-2	NA	mg/kg	0.43	U	0.4	U
8270	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.43	U	0.4	U
8270	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.43	U	0.4	U
8270	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.83	U	0.78	U
8270	4-Chloroaniline	106-47-8	NA	mg/kg	0.83	U	0.81	U

				Location ID	TSA-SB-001	TSA-SB-001	TSA-SB-001	TSA-SB-001	TSA-SB-002
				Sample ID	TSA-SB-001-0.0-0.5	TSA-SB-001-0.5-1.0	TSA-SB-001-1.0-2.0	TSA-SB-001-1.0-2.0	TSA-SB-002-0.0-0.5
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3497-01	22J3497-02	22J3497-03	22J4341-01	22J3497-04
				SDG	22J3497	22J3497	22J3497	22J3497	22J3497
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8270	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	4-Nitroaniline	100-01-6	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	4-Nitrophenol	100-02-7	NA	mg/kg	0.83 U	0.78 U	0.81 U		0.8 U
8270	Acenaphthene	83-32-9	NA	mg/kg	0.21 U	0.2 U	0.21 U		0.21 U
8270	Acenaphthylene	208-96-8	NA	mg/kg	0.21 U	0.2 U	0.21 U		0.21 U
8270	Acetophenone	98-86-2	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Aniline	62-53-3	NA	mg/kg	0.43 UJ	0.4 UJ	0.42 UJ		0.41 UJ
8270	Anthracene	120-12-7	NA	mg/kg	0.21 U	0.2 U	0.21 U		0.21 U
8270	Benzidine	92-87-5	NA	mg/kg	0.83 UJ	0.78 UJ	0.81 UJ		0.8 UJ
8270	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.45	0.23	0.34		0.21 U
8270	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.4	0.25	0.26		0.21 U
8270	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.7	0.41	0.46		0.21 U
8270	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.26	0.19 J	0.2 J		0.21 U
8270	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.31	0.17 J	0.21		0.21 U
8270	Benzoic Acid	65-85-0	NA	mg/kg	1.3 U	1.2 U	1.2 U		1.2 U
8270	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.15 J	0.4 U	0.42 U		0.41 U
8270	Carbazole	86-74-8	NA	mg/kg	0.21 U	0.2 U	0.21 U		0.21 U
8270	Chrysene	218-01-9	NA	mg/kg	0.47	0.28	0.31		0.21 U
8270	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.21 U	0.2 U	0.21 U		0.21 U
8270	Dibenzofuran	132-64-9	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Diethyl Phthalate	84-66-2	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Fluoranthene	206-44-0	NA	mg/kg	0.89	0.44	0.64		0.093 J
8270	Fluorene	86-73-7	NA	mg/kg	0.21 U	0.2 U	0.21 U		0.21 U
8270	Hexachlorobenzene	118-74-1	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.43 U	0.4 U	0.42 UJ		0.41 U
8270	Hexachloroethane	67-72-1	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.29	0.22	0.21		0.21 U
8270	Isophorone	78-59-1	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Naphthalene	91-20-3	NA	mg/kg	0.21 U	0.2 U	0.21 U		0.21 U
8270	Nitrobenzene	98-95-3	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	N-Nitrosodimethylamine	62-75-9	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Pentachloronitrobenzene	82-68-8	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Pentachlorophenol	87-86-5	NA	mg/kg	0.43 U	0.4 U	0.42 UJ		0.41 U
8270	Phenanthrene	85-01-8	NA	mg/kg	0.3	0.21	0.21		0.21 U
8270	Phenol	108-95-2	NA	mg/kg	0.43 U	0.4 U	0.42 U		0.41 U
8270	Pyrene	129-00-0	NA	mg/kg	0.59	0.32	0.42		0.083 J
8270	Pyridine	110-86-1	NA	mg/kg	0.43 U	0.4 U	0.42 UJ		0.41 U
SW8270	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/kg					
A2540G	Solids, Percent	SOLID	NA	%	79.8	84.1	81.5	74.9	82.8
E537(M)	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg				0.58 U	
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg				0.58 U	
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg				0.58 U	
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg				0.58 U	
E537(M)	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg				0.58 U	
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg				0.58 U	
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg				0.58 U	

				Location ID	TSA-SB-001	TSA-SB-001	TSA-SB-001	TSA-SB-001	TSA-SB-002
				Sample ID	TSA-SB-001-0.0-0.5	TSA-SB-001-0.5-1.0	TSA-SB-001-1.0-2.0	TSA-SB-001-1.0-2.0	TSA-SB-002-0.0-0.5
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3497-01	22J3497-02	22J3497-03	22J4341-01	22J3497-04
				SDG	22J3497	22J3497	22J3497	22J3497	22J3497
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg				0.58	U
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg				0.58	U
E537(M)	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg				0.58	U
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg				0.58	U
E537(M)	Perfluoro-1-butanedisulfonamide (FBSA)	30334-69-1	NA	ug/kg				0.58	U
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NA	ug/kg				0.58	U
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg				0.58	U
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg				0.58	U
E537(M)	Perfluorobutanedisulfonic acid (PFBS)	375-73-5	NA	ug/kg				0.58	U
E537(M)	Perfluorobutanoic Acid	375-22-4	NA	ug/kg				0.58	U
E537(M)	Perfluorodecanedisulfonic acid (PFDS)	335-77-3	NA	ug/kg				0.58	U
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg				0.58	U
E537(M)	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg				0.58	U
E537(M)	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg				0.58	U
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg				0.58	U
E537(M)	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg				0.58	U
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg				0.58	U
E537(M)	Perfluorononanesulfonic acid (PFNS)	68259-12-1	NA	ug/kg				0.58	U
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg				0.58	U
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg				0.58	U
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg				0.58	U
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg				0.58	U
E537(M)	Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	NA	ug/kg				0.58	U
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg				0.58	U
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg				0.58	U
E537(M)	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	NA	ug/kg				0.58	U
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg				0.58	U
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg				0.027	U
SW8151	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg				0.027	U
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg				0.027	U
SW8151	Dalapon	75-99-0	T	mg/kg				0.027	U
SW8151	Dicamba	1918-00-9	T	mg/kg				0.027	U
SW8151	Dichloroprop	120-36-5	T	mg/kg				0.027	U
SW8151	Dinoseb	88-85-7	T	mg/kg				0.027	U
SW8151	MCPA	94-74-6	T	mg/kg				0.027	U
SW8151	Mecoprop	93-65-2	T	mg/kg				0.027	U
SW8151	Silvex (2,4,5-TP)	93-72-1	T	mg/kg				0.027	U
SW8321	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					
SW8321	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg					
SW8321	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					
SW8321	Dalapon	75-99-0	T	mg/kg					
SW8321	Dicamba	1918-00-9	T	mg/kg					
SW8321	Dichloroprop	120-36-5	T	mg/kg					
SW8321	Dinoseb	88-85-7	T	mg/kg					
SW8321	MCPA	94-74-6	T	mg/kg					
SW8321	Mecoprop	93-65-2	T	mg/kg					
SW8321	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					
SW9014	Cyanide	57-12-5	T	mg/kg				1.7	
SW9071	Oil & Grease, Total Rec	OILGREASE	T	mg/kg				53.2	J
SW9071	Total Petroleum Hydrocarbons - Non-Polar Material - Sgt Hem	TPHNONPOLAR	T	mg/kg					

			Location ID	TSA-SB-002	TSA-SB-002	TSA-SB-002	TSA-SB-002	TSA-SB-003
			Sample ID	TSA-SB-002-0.5-1.0	TSA-SB-002-1.0-2.0	TSA-SB-002-1.0-2.0	TSA-SB-002-1.0-2.0-D	TSA-SB-003-0.0-0.5
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J3497-05	22J3497-06	22J3936-09	22J3497-07	22J4063-01
			SDG	22J3497	22J3497	22J3497	22J3497	22J4063
			Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/25/2022
			Sample Type Code	N	N	N	FD	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
6010C	Aluminum	7429-90-5	NA	mg/kg	10000	11000	10000	10000
6010C	Antimony	7440-36-0	NA	mg/kg	1.9 U	2 U	2 U	2.2 U
6010C	Arsenic	7440-38-2	NA	mg/kg	7.6	7.6	7.1	8.1
6010C	Arsenic	7440-38-2	TCLP	mg/l	0.007 J	0.05 U	0.05 U	0.05 U
6010C	Barium	7440-39-3	NA	mg/kg	69	140	140	110
6010C	Barium	7440-39-3	TCLP	mg/l	0.29 J	0.47 J	0.44 J	1.2
6010C	Beryllium	7440-41-7	NA	mg/kg	0.43	0.6	0.52	0.47
6010C	Boron	7440-42-8	NA	mg/kg	3.9 U	1.7 J	4 U	3.5 J
6010C	Cadmium	7440-43-9	NA	mg/kg	0.39 U	0.41 U	0.4 U	0.45 U
6010C	Cadmium	7440-43-9	TCLP	mg/l	0.01 U	0.00081 J	0.00082 J	0.0048 J
6010C	Calcium	7440-70-2	NA	mg/kg	1300	1800	1900	5000
6010C	Chromium, Total	7440-47-3	NA	mg/kg	12	14	13	12
6010C	Chromium, Total	7440-47-3	TCLP	mg/l	0.0047 J	0.0041 J	0.05 U	0.05 U
6010C	Cobalt	7440-48-4	NA	mg/kg	8	8.9	7.8	7.4
6010C	Copper	7440-50-8	NA	mg/kg	20	26	21	23
6010C	Iron	7439-89-6	NA	mg/kg	19000	26000	19000	23000
6010C	Lead	7439-92-1	NA	mg/kg	19	38	48	39 J
6010C	Lead	7439-92-1	TCLP	mg/l	0.0098 J	0.013 J	0.0053 J	0.0099 J
6010C	Magnesium	7439-95-4	NA	mg/kg	2800	2800	2300	4000
6010C	Manganese	7439-96-5	NA	mg/kg	450	540	490	560
6010C	Nickel	7440-02-0	NA	mg/kg	18	19	17	17
6010C	Potassium	7440-09-7	NA	mg/kg	630	980	760	880
6010C	Selenium	7782-49-2	NA	mg/kg	3.9 U	4.1 U	4 U	4.5 U
6010C	Selenium	7782-49-2	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Silver	7440-22-4	NA	mg/kg	0.39 U	0.41 U	0.4 U	0.45 U
6010C	Silver	7440-22-4	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Sodium	7440-23-5	NA	mg/kg	34 J	92 J	82 J	120 J
6010C	Thallium	7440-28-0	NA	mg/kg	1.9 U	2 U	2 U	2.2 U
6010C	Vanadium	7440-62-2	NA	mg/kg	18	21	18	17
6010C	Zinc	7440-66-6	NA	mg/kg	62	96	90	87
7471B	Mercury	7439-97-6	NA	mg/kg	0.044 J	0.069 J	0.068 J	0.052
7471B	Mercury	7439-97-6	TCLP	mg/l	0.0001 U	0.0001 U	0.0001 U	0.000068 J
8081B	Alachlor	15972-60-8	NA	mg/kg			0.025 U	
8081B	Aldrin	309-00-2	NA	mg/kg			0.0061 U	
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg			0.0061 U	
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg			0.0061 U	
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg			0.0061 U	
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg			0.0098 U	
8081B	Chlordane	57-74-9	NA	mg/kg			0.025 U	
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg			0.0061 U	
8081B	Dieldrin	60-57-1	NA	mg/kg			0.0049 U	
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg			0.0098 U	
8081B	Endrin	72-20-8	NA	mg/kg			0.0098 U	
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg			0.0098 U	
8081B	Endrin Ketone	53494-70-5	NA	mg/kg			0.0098 U	
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg			0.0025 U	
8081B	Heptachlor	76-44-8	NA	mg/kg			0.0061 U	
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg			0.0061 U	
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg			0.0074 U	
8081B	Methoxychlor	72-43-5	NA	mg/kg			0.061 U	
8081B	P,P'-DDD	72-54-8	NA	mg/kg			0.0049 U	
8081B	P,P'-DDE	72-55-9	NA	mg/kg			0.0028 J	
8081B	P,P'-DDT	50-29-3	NA	mg/kg			0.0016 J	
8081B	Toxaphene	8001-35-2	NA	mg/kg			0.12 U	
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg			0.098 U	
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg			0.098 U	

				Location ID	TSA-SB-002	TSA-SB-002	TSA-SB-002	TSA-SB-002	TSA-SB-003
				Sample ID	TSA-SB-002-0.5-1.0	TSA-SB-002-1.0-2.0	TSA-SB-002-1.0-2.0	TSA-SB-002-1.0-2.0-D	TSA-SB-003-0.0-0.5
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3497-05	22J3497-06	22J3936-09	22J3497-07	22J4063-01
				SDG	22J3497	22J3497	22J3497	22J3497	22J4063
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/25/2022
				Sample Type Code	N	N	N	FD	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg			0.098	U	
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg			0.098	U	
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg			0.098	U	
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg			0.098	U	
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg			0.098	U	
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg			0.098	U	
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg			0.098	U	
8260	1,1,1,2-Tetrachloroethane	630-20-6	NA	mg/kg			0.002	U	
8260	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg			0.002	U	
8260	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg			0.001	U	
8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg			0.01	U	
8260	1,1,2-Trichloroethane	79-00-5	NA	mg/kg			0.002	U	
8260	1,1-Dichloroethane	75-34-3	NA	mg/kg			0.002	U	
8260	1,1-Dichloroethene	75-35-4	NA	mg/kg			0.004	U	
8260	1,1-Dichloropropene	563-58-6	NA	mg/kg			0.002	U	
8260	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg			0.002	U	
8260	1,2,3-Trichloropropane	96-18-4	NA	mg/kg			0.002	U	
8260	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg			0.002	U	
8260	1,2,4-Trimethylbenzene	95-63-6	NA	mg/kg			0.002	U	
8260	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg			0.002	U	
8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg			0.001	U	
8260	1,2-Dichlorobenzene	95-50-1	NA	mg/kg			0.002	U	
8260	1,2-Dichloroethane	107-06-2	NA	mg/kg			0.002	U	
8260	1,2-Dichloropropane	78-87-5	NA	mg/kg			0.002	U	
8260	1,3,5-Trichlorobenzene	108-70-3	NA	mg/kg			0.002	U	
8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	mg/kg			0.002	U	
8260	1,3-Dichlorobenzene	541-73-1	NA	mg/kg			0.002	U	
8260	1,3-Dichloropropane	142-28-9	NA	mg/kg			0.001	U	
8260	1,4-Dichlorobenzene	106-46-7	NA	mg/kg			0.002	U	
8260	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg			0.1	U	
8260	2,2-Dichloropropane	594-20-7	NA	mg/kg			0.002	U	
8260	2-Chlorotoluene	95-49-8	NA	mg/kg			0.002	U	
8260	2-Hexanone	591-78-6	NA	mg/kg			0.02	U	
8260	2-Methoxy-2-Methylbutane	994-05-8	NA	mg/kg			0.001	U	
8260	4-Chlorotoluene	106-43-4	NA	mg/kg			0.002	U	
8260	Acetone	67-64-1	NA	mg/kg					
8260	Acrylonitrile	107-13-1	NA	mg/kg			0.006	U	
8260	Benzene	71-43-2	NA	mg/kg			0.002	U	
8260	Bromobenzene	108-86-1	NA	mg/kg			0.002	U	
8260	Bromochloromethane	74-97-5	NA	mg/kg			0.002	U	
8260	Bromodichloromethane	75-27-4	NA	mg/kg			0.002	U	
8260	Bromoform	75-25-2	NA	mg/kg			0.002	U	
8260	Bromomethane	74-83-9	NA	mg/kg			0.01	U	
8260	Carbon Disulfide	75-15-0	NA	mg/kg			0.01	U	
8260	Carbon Tetrachloride	56-23-5	NA	mg/kg			0.002	U	
8260	Chlorobenzene	108-90-7	NA	mg/kg			0.002	U	
8260	Chloroethane	75-00-3	NA	mg/kg			0.02	U	
8260	Chloroform	67-66-3	NA	mg/kg			0.004	U	
8260	Chloromethane	74-87-3	NA	mg/kg			0.01	U	
8260	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg			0.002	U	
8260	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg			0.001	U	
8260	Cymene	99-87-6	NA	mg/kg			0.002	U	
8260	Dibromochloromethane	124-48-1	NA	mg/kg			0.001	U	
8260	Dibromomethane	74-95-3	NA	mg/kg			0.002	U	
8260	Dichlorodifluoromethane	75-71-8	NA	mg/kg			0.02	U	
8260	Diethyl Ether (Ethyl Ether)	60-29-7	NA	mg/kg			0.02	U	

			Location ID	TSA-SB-002	TSA-SB-002	TSA-SB-002	TSA-SB-002	TSA-SB-003
			Sample ID	TSA-SB-002-0.5-1.0	TSA-SB-002-1.0-2.0	TSA-SB-002-1.0-2.0	TSA-SB-002-1.0-2.0-D	TSA-SB-003-0.0-0.5
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J3497-05	22J3497-06	22J3936-09	22J3497-07	22J4063-01
			SDG	22J3497	22J3497	22J3497	22J3497	22J4063
			Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/25/2022
			Sample Type Code	N	N	N	FD	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
8260	Ethyl Tert-Butyl Ether	637-92-3	NA	mg/kg			0.001 U	
8260	Ethylbenzene	100-41-4	NA	mg/kg			0.002 U	
8260	Hexachlorobutadiene	87-68-3	NA	mg/kg			0.002 U	
8260	Isopropyl Ether	108-20-3	NA	mg/kg			0.001 U	
8260	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg			0.002 U	
8260	m,p-Xylene	179601-23-1	NA	mg/kg			0.004 U	
8260	Methyl Acetate	79-20-9	NA	mg/kg			0.002 U	
8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg			0.04 U	
8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg			0.02 U	
8260	Methylcyclohexane	108-87-2	NA	mg/kg			0.002 U	
8260	Methylene Chloride	75-09-2	NA	mg/kg			0.02 U	
8260	Naphthalene	91-20-3	NA	mg/kg			0.004 U	
8260	N-Butylbenzene	104-51-8	NA	mg/kg			0.002 U	
8260	N-Propylbenzene	103-65-1	NA	mg/kg			0.002 U	
8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	mg/kg			0.002 U	
8260	Sec-Butylbenzene	135-98-8	NA	mg/kg			0.002 U	
8260	Styrene	100-42-5	NA	mg/kg			0.002 U	
8260	T-Butylbenzene	98-06-6	NA	mg/kg			0.002 U	
8260	Tert-Butyl Alcohol	75-65-0	NA	mg/kg			0.1 U	
8260	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg			0.004 U	
8260	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg			0.002 U	
8260	Tetrahydrofuran	109-99-9	NA	mg/kg			0.01 U	
8260	Toluene	108-88-3	NA	mg/kg			0.002 U	
8260	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg			0.002 U	
8260	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg			0.001 U	
8260	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	mg/kg			0.004 U	
8260	Trichloroethylene (TCE)	79-01-6	NA	mg/kg			0.002 U	
8260	Trichlorofluoromethane	75-69-4	NA	mg/kg			0.01 U	
8260	Vinyl Chloride	75-01-4	NA	mg/kg			0.01 U	
8270	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.4 U	0.42 U		0.46 U
8270	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	1,2-Diphenylhydrazine	122-66-7	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	1-Methylnaphthalene	90-12-0	NA	mg/kg	0.2 U	0.21 U	0.21 U	0.23 U
8270	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.77 U	0.82 U	0.81 U	0.89 U
8270	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	2-Chlorophenol	95-57-8	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.2 U	0.21 U	0.21 U	0.23 U
8270	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	2-Nitroaniline	88-74-4	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	2-Nitrophenol	88-75-5	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.2 U	0.21 U	0.21 U	0.23 U
8270	3-Nitroaniline	99-09-2	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.4 U	0.42 U	0.42 U	0.46 U
8270	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.77 U	0.82 U	0.81 U	0.89 U
8270	4-Chloroaniline	106-47-8	NA	mg/kg	0.77 U	0.82 U	0.81 U	0.89 U

				Location ID	TSA-SB-002	TSA-SB-002	TSA-SB-002	TSA-SB-002	TSA-SB-003
				Sample ID	TSA-SB-002-0.5-1.0	TSA-SB-002-1.0-2.0	TSA-SB-002-1.0-2.0	TSA-SB-002-1.0-2.0-D	TSA-SB-003-0.0-0.5
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3497-05	22J3497-06	22J3936-09	22J3497-07	22J4063-01
				SDG	22J3497	22J3497	22J3497	22J4063	22J4063
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/25/2022
				Sample Type Code	N	N	N	FD	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8270	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	4-Nitroaniline	100-01-6	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	4-Nitrophenol	100-02-7	NA	mg/kg	0.77 U	0.82 U		0.81 U	0.89 U
8270	Acenaphthene	83-32-9	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Acenaphthylene	208-96-8	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Acetophenone	98-86-2	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Aniline	62-53-3	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Anthracene	120-12-7	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Benzidine	92-87-5	NA	mg/kg	0.77 UJ	0.82 UJ		0.81 UJ	0.89 UJ
8270	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.11 J
8270	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Benzoic Acid	65-85-0	NA	mg/kg	1.2 U	1.2 U		1.2 U	1.4 UJ
8270	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Carbazole	86-74-8	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Chrysene	218-01-9	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.11 J
8270	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Dibenzofuran	132-64-9	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Diethyl Phthalate	84-66-2	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Fluoranthene	206-44-0	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.17 J
8270	Fluorene	86-73-7	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Hexachlorobenzene	118-74-1	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Hexachloroethane	67-72-1	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Isophorone	78-59-1	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Naphthalene	91-20-3	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Nitrobenzene	98-95-3	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	N-Nitrosodimethylamine	62-75-9	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Pentachloronitrobenzene	82-68-8	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Pentachlorophenol	87-86-5	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Phenanthrene	85-01-8	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.23 U
8270	Phenol	108-95-2	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
8270	Pyrene	129-00-0	NA	mg/kg	0.2 U	0.21 U		0.21 U	0.18 J
8270	Pyridine	110-86-1	NA	mg/kg	0.4 U	0.42 U		0.42 U	0.46 U
SW8270	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/kg					4.1 U
A2540G	Solids, Percent	SOLID	NA	%	85.8	80.6	81.6	81.4	73.9
E537(M)	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg			0.55 U		
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg			0.55 U		
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg			0.55 U		
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg			0.55 U		
E537(M)	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg			0.55 U		
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg			0.55 U		
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg			0.55 U		

				Location ID	TSA-SB-002	TSA-SB-002	TSA-SB-002	TSA-SB-002	TSA-SB-003
				Sample ID	TSA-SB-002-0.5-1.0	TSA-SB-002-1.0-2.0	TSA-SB-002-1.0-2.0	TSA-SB-002-1.0-2.0-D	TSA-SB-003-0.0-0.5
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3497-05	22J3497-06	22J3936-09	22J3497-07	22J4063-01
				SDG	22J3497	22J3497	22J3497	22J3497	22J4063
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/25/2022
				Sample Type Code	N	N	N	FD	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			0.55 U		
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			0.55 U		
E537(M)	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg			0.55 U		
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			0.55 U		
E537(M)	Perfluoro-1-butanedisulfonamide (FBSA)	30334-69-1	NA	ug/kg			0.55 U		
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NA	ug/kg			0.55 U		
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			0.55 U		
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			0.55 U		
E537(M)	Perfluorobutanedisulfonic acid (PFBS)	375-73-5	NA	ug/kg			0.55 U		
E537(M)	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			0.55 U		
E537(M)	Perfluorodecanedisulfonic acid (PFDS)	335-77-3	NA	ug/kg			0.55 U		
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			0.55 U		
E537(M)	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			0.55 U		
E537(M)	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			0.55 U		
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			0.55 U		
E537(M)	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			0.55 U		
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			0.55 U		
E537(M)	Perfluorononanesulfonic acid (PFNS)	68259-12-1	NA	ug/kg			0.55 U		
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			0.55 U		
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			0.55 U		
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			0.55 U		
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			0.55 U		
E537(M)	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			0.55 U		
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			0.55 U		
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			0.55 U		
E537(M)	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	NA	ug/kg			0.55 U		
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			0.55 U		
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg			0.0238 U		
SW8151	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg			0.0238 U		
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg			0.0238 U		
SW8151	Dalapon	75-99-0	T	mg/kg			0.0238 U		
SW8151	Dicamba	1918-00-9	T	mg/kg			0.0238 U		
SW8151	Dichloroprop	120-36-5	T	mg/kg			0.0238 U		
SW8151	Dinoseb	88-85-7	T	mg/kg			0.0238 U		
SW8151	MCPA	94-74-6	T	mg/kg			0.0238 U		
SW8151	Mecoprop	93-65-2	T	mg/kg			0.0238 U		
SW8151	Silvex (2,4,5-TP)	93-72-1	T	mg/kg			0.0238 U		
SW8321	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					
SW8321	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg					
SW8321	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					
SW8321	Dalapon	75-99-0	T	mg/kg					
SW8321	Dicamba	1918-00-9	T	mg/kg					
SW8321	Dichloroprop	120-36-5	T	mg/kg					
SW8321	Dinoseb	88-85-7	T	mg/kg					
SW8321	MCPA	94-74-6	T	mg/kg					
SW8321	Mecoprop	93-65-2	T	mg/kg					
SW8321	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					
SW9014	Cyanide	57-12-5	T	mg/kg			0.37 J		
SW9071	Oil & Grease, Total Rec	OILGREASE	T	mg/kg			399		
SW9071	Total Petroleum Hydrocarbons - Non-Polar Material - Sgt Hem	TPHNONPOLAR	T	mg/kg					

			Location ID	TSA-SB-003	TSA-SB-003	TSA-SB-004	TSA-SB-004	TSA-SB-004
			Sample ID	TSA-SB-003-0.5-1.0	TSA-SB-003-1.0-2.0	TSA-SB-004-0.0-0.5	TSA-SB-004-0.5-1.0	TSA-SB-004-1.0-2.0
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J4063-02	22J4063-03	22J3497-14	22J3497-15	22J3497-16
			SDG	22J4063	22J3497	22J3497	22J3497	22J3497
			Sample Date	10/25/2022	10/25/2022	10/24/2022	10/24/2022	10/24/2022
			Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
6010C	Aluminum	7429-90-5	NA	mg/kg	7700	13000	8200	9000
6010C	Antimony	7440-36-0	NA	mg/kg	1.9 UJ	2.2 UJ	1.9 U	1.9 U
6010C	Arsenic	7440-38-2	NA	mg/kg	6.2	6.7	7.7	6.8
6010C	Arsenic	7440-38-2	TCLP	mg/l		0.05 U	0.05 U	0.05 U
6010C	Barium	7440-39-3	NA	mg/kg	75	180	81	120
6010C	Barium	7440-39-3	TCLP	mg/l	1.1	2.6	0.59	0.71
6010C	Beryllium	7440-41-7	NA	mg/kg	0.37	0.58	0.39	0.45
6010C	Boron	7440-42-8	NA	mg/kg	2 J	4.4 U	2.8 J	2 J
6010C	Cadmium	7440-43-9	NA	mg/kg	0.38 U	0.44 U	0.12 J	0.38 U
6010C	Cadmium	7440-43-9	TCLP	mg/l	0.004 J	0.0023 J	0.0023 J	0.0017 J
6010C	Calcium	7440-70-2	NA	mg/kg	6200	2300	7900	5700
6010C	Chromium, Total	7440-47-3	NA	mg/kg	9.9	14	11	11
6010C	Chromium, Total	7440-47-3	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Cobalt	7440-48-4	NA	mg/kg	5.6	8.4	6.2	6.8
6010C	Copper	7440-50-8	NA	mg/kg	22	18	27	21
6010C	Iron	7439-89-6	NA	mg/kg	10000	13000	20000	19000
6010C	Lead	7439-92-1	NA	mg/kg	27	26	37	33
6010C	Lead	7439-92-1	TCLP	mg/l	0.039 J	0.0042 J	0.023 J	0.1 U
6010C	Magnesium	7439-95-4	NA	mg/kg	4000	3200	4600	3800
6010C	Manganese	7439-96-5	NA	mg/kg	420	710	680	680
6010C	Nickel	7440-02-0	NA	mg/kg	14	18	15	15
6010C	Potassium	7440-09-7	NA	mg/kg	640	890	870	860
6010C	Selenium	7782-49-2	NA	mg/kg	3.8 U	4.4 U	3.8 U	3.8 U
6010C	Selenium	7782-49-2	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Silver	7440-22-4	NA	mg/kg	0.38 U	0.44 U	0.38 U	0.38 U
6010C	Silver	7440-22-4	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Sodium	7440-23-5	NA	mg/kg	39 J	33 J	48 J	58 J
6010C	Thallium	7440-28-0	NA	mg/kg	1.9 U	2.2 U	1.9 U	1.9 U
6010C	Vanadium	7440-62-2	NA	mg/kg	14	17	16	16
6010C	Zinc	7440-66-6	NA	mg/kg	69	73	94	81
7471B	Mercury	7439-97-6	NA	mg/kg	0.063	0.089	0.054	0.084
7471B	Mercury	7439-97-6	TCLP	mg/l	0.0001 U	0.0001 U	0.000065 J	0.000059 J
8081B	Alachlor	15972-60-8	NA	mg/kg				
8081B	Aldrin	309-00-2	NA	mg/kg				
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg				
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg				
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg				
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg				
8081B	Chlordane	57-74-9	NA	mg/kg				
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg				
8081B	Dieldrin	60-57-1	NA	mg/kg				
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg				
8081B	Endrin	72-20-8	NA	mg/kg				
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg				
8081B	Endrin Ketone	53494-70-5	NA	mg/kg				
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg				
8081B	Heptachlor	76-44-8	NA	mg/kg				
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg				
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg				
8081B	Methoxychlor	72-43-5	NA	mg/kg				
8081B	P,P'-DDD	72-54-8	NA	mg/kg				
8081B	P,P'-DDE	72-55-9	NA	mg/kg				
8081B	P,P'-DDT	50-29-3	NA	mg/kg				
8081B	Toxaphene	8001-35-2	NA	mg/kg				
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg				
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg				

			Location ID	TSA-SB-003	TSA-SB-003	TSA-SB-004	TSA-SB-004	TSA-SB-004
			Sample ID	TSA-SB-003-0.5-1.0	TSA-SB-003-1.0-2.0	TSA-SB-004-0.0-0.5	TSA-SB-004-0.5-1.0	TSA-SB-004-1.0-2.0
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J4063-02	22J4063-03	22J3497-14	22J3497-15	22J3497-16
			SDG	22J4063	22J4063	22J3497	22J3497	22J3497
			Sample Date	10/25/2022	10/25/2022	10/24/2022	10/24/2022	10/24/2022
			Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg				
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg				
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg				
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg				
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg				
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg				
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg				
8260	1,1,1,2-Tetrachloroethane	630-20-6	NA	mg/kg				
8260	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg				
8260	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg				
8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg				
8260	1,1,2-Trichloroethane	79-00-5	NA	mg/kg				
8260	1,1-Dichloroethane	75-34-3	NA	mg/kg				
8260	1,1-Dichloroethene	75-35-4	NA	mg/kg				
8260	1,1-Dichloropropene	563-58-6	NA	mg/kg				
8260	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg				
8260	1,2,3-Trichloropropane	96-18-4	NA	mg/kg				
8260	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg				
8260	1,2,4-Trimethylbenzene	95-63-6	NA	mg/kg				
8260	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg				
8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg				
8260	1,2-Dichlorobenzene	95-50-1	NA	mg/kg				
8260	1,2-Dichloroethane	107-06-2	NA	mg/kg				
8260	1,2-Dichloropropane	78-87-5	NA	mg/kg				
8260	1,3,5-Trichlorobenzene	108-70-3	NA	mg/kg				
8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	mg/kg				
8260	1,3-Dichlorobenzene	541-73-1	NA	mg/kg				
8260	1,3-Dichloropropane	142-28-9	NA	mg/kg				
8260	1,4-Dichlorobenzene	106-46-7	NA	mg/kg				
8260	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg				
8260	2,2-Dichloropropane	594-20-7	NA	mg/kg				
8260	2-Chlorotoluene	95-49-8	NA	mg/kg				
8260	2-Hexanone	591-78-6	NA	mg/kg				
8260	2-Methoxy-2-Methylbutane	994-05-8	NA	mg/kg				
8260	4-Chlorotoluene	106-43-4	NA	mg/kg				
8260	Acetone	67-64-1	NA	mg/kg				
8260	Acrylonitrile	107-13-1	NA	mg/kg				
8260	Benzene	71-43-2	NA	mg/kg				
8260	Bromobenzene	108-86-1	NA	mg/kg				
8260	Bromochloromethane	74-97-5	NA	mg/kg				
8260	Bromodichloromethane	75-27-4	NA	mg/kg				
8260	Bromoform	75-25-2	NA	mg/kg				
8260	Bromomethane	74-83-9	NA	mg/kg				
8260	Carbon Disulfide	75-15-0	NA	mg/kg				
8260	Carbon Tetrachloride	56-23-5	NA	mg/kg				
8260	Chlorobenzene	108-90-7	NA	mg/kg				
8260	Chloroethane	75-00-3	NA	mg/kg				
8260	Chloroform	67-66-3	NA	mg/kg				
8260	Chloromethane	74-87-3	NA	mg/kg				
8260	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg				
8260	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg				
8260	Cymene	99-87-6	NA	mg/kg				
8260	Dibromochloromethane	124-48-1	NA	mg/kg				
8260	Dibromomethane	74-95-3	NA	mg/kg				
8260	Dichlorodifluoromethane	75-71-8	NA	mg/kg				
8260	Diethyl Ether (Ethyl Ether)	60-29-7	NA	mg/kg				

				Location ID	TSA-SB-003	TSA-SB-003	TSA-SB-004	TSA-SB-004	TSA-SB-004
				Sample ID	TSA-SB-003-0.5-1.0	TSA-SB-003-1.0-2.0	TSA-SB-004-0.0-0.5	TSA-SB-004-0.5-1.0	TSA-SB-004-1.0-2.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J4063-02	22J4063-03	22J3497-14	22J3497-15	22J3497-16
				SDG	22J4063	22J4063	22J3497	22J3497	22J3497
				Sample Date	10/25/2022	10/25/2022	10/24/2022	10/24/2022	10/24/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8260	Ethyl Tert-Butyl Ether	637-92-3	NA	mg/kg					
8260	Ethylbenzene	100-41-4	NA	mg/kg					
8260	Hexachlorobutadiene	87-68-3	NA	mg/kg					
8260	Isopropyl Ether	108-20-3	NA	mg/kg					
8260	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg					
8260	m,p-Xylene	179601-23-1	NA	mg/kg					
8260	Methyl Acetate	79-20-9	NA	mg/kg					
8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg					
8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg					
8260	Methylcyclohexane	108-87-2	NA	mg/kg					
8260	Methylene Chloride	75-09-2	NA	mg/kg					
8260	Naphthalene	91-20-3	NA	mg/kg					
8260	N-Butylbenzene	104-51-8	NA	mg/kg					
8260	N-Propylbenzene	103-65-1	NA	mg/kg					
8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	mg/kg					
8260	Sec-Butylbenzene	135-98-8	NA	mg/kg					
8260	Styrene	100-42-5	NA	mg/kg					
8260	T-Butylbenzene	98-06-6	NA	mg/kg					
8260	Tert-Butyl Alcohol	75-65-0	NA	mg/kg					
8260	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg					
8260	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg					
8260	Tetrahydrofuran	109-99-9	NA	mg/kg					
8260	Toluene	108-88-3	NA	mg/kg					
8260	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg					
8260	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg					
8260	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	mg/kg					
8260	Trichloroethylene (TCE)	79-01-6	NA	mg/kg					
8260	Trichlorofluoromethane	75-69-4	NA	mg/kg					
8260	Vinyl Chloride	75-01-4	NA	mg/kg					
8270	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	1,2-Diphenylhydrazine	122-66-7	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	1-Methylnaphthalene	90-12-0	NA	mg/kg	0.2 U	0.23 U	0.2 U	0.2 UJ	0.19 UJ
8270	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.76 U	0.89 U	0.77 UJ	0.76 UJ	0.75 UJ
8270	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	2-Chlorophenol	95-57-8	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.2 U	0.23 U	0.21 U	0.2 UJ	0.19 UJ
8270	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.39 U	0.46 U	0.39 UJ	0.39 UJ	0.39 UJ
8270	2-Nitroaniline	88-74-4	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	2-Nitrophenol	88-75-5	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.2 U	0.23 U	0.2 UJ	0.2 UJ	0.19 UJ
8270	3-Nitroaniline	99-09-2	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.76 U	0.89 U	0.77 UJ	0.76 UJ	0.75 UJ
8270	4-Chloroaniline	106-47-8	NA	mg/kg	0.76 U	0.89 U	0.77 UJ	0.76 UJ	0.75 UJ

				Location ID	TSA-SB-003	TSA-SB-003	TSA-SB-004	TSA-SB-004	TSA-SB-004
				Sample ID	TSA-SB-003-0.5-1.0	TSA-SB-003-1.0-2.0	TSA-SB-004-0.0-0.5	TSA-SB-004-0.5-1.0	TSA-SB-004-1.0-2.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J4063-02	22J4063-03	22J3497-14	22J3497-15	22J3497-16
				SDG	22J4063	22J4063	22J3497	22J3497	22J3497
				Sample Date	10/25/2022	10/25/2022	10/24/2022	10/24/2022	10/24/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8270	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	4-Nitroaniline	100-01-6	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	4-Nitrophenol	100-02-7	NA	mg/kg	0.76 U	0.89 U	0.77 UJ	0.76 UJ	0.75 UJ
8270	Acenaphthene	83-32-9	NA	mg/kg	0.2 U	0.23 U	0.2 UJ	0.2 UJ	0.19 UJ
8270	Acenaphthylene	208-96-8	NA	mg/kg	0.2 U	0.23 U	0.54 J-	0.14 J	0.13 J
8270	Acetophenone	98-86-2	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Aniline	62-53-3	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Anthracene	120-12-7	NA	mg/kg	0.2 U	0.23 U	0.24 J-	0.2 UJ	0.19 UJ
8270	Benzidine	92-87-5	NA	mg/kg	0.76 UJ	0.89 UJ	0.77 UJ	0.76 UJ	0.75 UJ
8270	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.2 U	0.23 U	0.56 J-	0.12 J	0.1 J
8270	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.2 U	0.23 U	0.63 J-	0.16 J	0.14 J
8270	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.2 U	0.23 U	0.57 J-	0.15 J	0.12 J
8270	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.2 U	0.23 U	0.54 J-	0.14 J	0.12 J
8270	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.2 U	0.23 U	0.2 J-	0.2 UJ	0.19 UJ
8270	Benzoic Acid	65-85-0	NA	mg/kg	1.2 UJ	1.4 UJ	1.2 UJ	1.2 UJ	1.1 UJ
8270	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Carbazole	86-74-8	NA	mg/kg	0.2 U	0.23 U	0.2 UJ	0.2 UJ	0.19 UJ
8270	Chrysene	218-01-9	NA	mg/kg	0.2 U	0.23 U	0.61 J-	0.14 J	0.12 J
8270	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.2 U	0.23 U	0.092 J	0.2 UJ	0.19 UJ
8270	Dibenzofuran	132-64-9	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Diethyl Phthalate	84-66-2	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Fluoranthene	206-44-0	NA	mg/kg	0.2 U	0.23 U	0.92 J-	0.18 J	0.13 J
8270	Fluorene	86-73-7	NA	mg/kg	0.2 U	0.23 U	0.17 J	0.2 UJ	0.19 UJ
8270	Hexachlorobenzene	118-74-1	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Hexachloroethane	67-72-1	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.2 U	0.23 U	0.36 J-	0.11 J	0.091 J
8270	Isophorone	78-59-1	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Naphthalene	91-20-3	NA	mg/kg	0.2 U	0.23 U	0.27 J-	0.2 UJ	0.19 UJ
8270	Nitrobenzene	98-95-3	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	N-Nitrosodimethylamine	62-75-9	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Pentachloronitrobenzene	82-68-8	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Pentachlorophenol	87-86-5	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Phenanthrene	85-01-8	NA	mg/kg	0.2 U	0.23 U	0.93 J-	0.18 J	0.14 J
8270	Phenol	108-95-2	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
8270	Pyrene	129-00-0	NA	mg/kg	0.2 U	0.23 U	1.5 J-	0.28 J-	0.24 J-
8270	Pyridine	110-86-1	NA	mg/kg	0.39 U	0.46 U	0.4 UJ	0.39 UJ	0.39 UJ
SW8270	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/kg	17 U	2.8 J			
A2540G	Solids, Percent	SOLID	NA	%	86.4	73.9	85.9	86.7	87.8
E537(M)	11-Chloroeicosfluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg					
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg					
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg					
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg					
E537(M)	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg					
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg					
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg					

				Location ID	TSA-SB-003	TSA-SB-003	TSA-SB-004	TSA-SB-004	TSA-SB-004
				Sample ID	TSA-SB-003-0.5-1.0	TSA-SB-003-1.0-2.0	TSA-SB-004-0.0-0.5	TSA-SB-004-0.5-1.0	TSA-SB-004-1.0-2.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J4063-02	22J4063-03	22J3497-14	22J3497-15	22J3497-16
				SDG	22J4063	22J4063	22J3497	22J3497	22J3497
				Sample Date	10/25/2022	10/25/2022	10/24/2022	10/24/2022	10/24/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg					
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg					
E537(M)	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg					
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg					
E537(M)	Perfluoro-1-butanedisulfonamide (FBSA)	30334-69-1	NA	ug/kg					
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NA	ug/kg					
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg					
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg					
E537(M)	Perfluorobutanedisulfonic acid (PFBS)	375-73-5	NA	ug/kg					
E537(M)	Perfluorobutanoic Acid	375-22-4	NA	ug/kg					
E537(M)	Perfluorodecanedisulfonic acid (PFDS)	335-77-3	NA	ug/kg					
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg					
E537(M)	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg					
E537(M)	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg					
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg					
E537(M)	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg					
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg					
E537(M)	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg					
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg					
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg					
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg					
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg					
E537(M)	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg					
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg					
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg					
E537(M)	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	NA	ug/kg					
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg					
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					
SW8151	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg					
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					
SW8151	Dalapon	75-99-0	T	mg/kg					
SW8151	Dicamba	1918-00-9	T	mg/kg					
SW8151	Dichloroprop	120-36-5	T	mg/kg					
SW8151	Dinoseb	88-85-7	T	mg/kg					
SW8151	MCPA	94-74-6	T	mg/kg					
SW8151	Mecoprop	93-65-2	T	mg/kg					
SW8151	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					
SW8321	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					
SW8321	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg					
SW8321	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					
SW8321	Dalapon	75-99-0	T	mg/kg					
SW8321	Dicamba	1918-00-9	T	mg/kg					
SW8321	Dichloroprop	120-36-5	T	mg/kg					
SW8321	Dinoseb	88-85-7	T	mg/kg					
SW8321	MCPA	94-74-6	T	mg/kg					
SW8321	Mecoprop	93-65-2	T	mg/kg					
SW8321	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					
SW9014	Cyanide	57-12-5	T	mg/kg					
SW9071	Oil & Grease, Total Rec	OILGREASE	T	mg/kg					
SW9071	Total Petroleum Hydrocarbons - Non-Polar Material - Sgt Hem	TPHNONPOLAR	T	mg/kg					

			Location ID	TSA-SB-004	TSA-SB-005	TSA-SB-005	TSA-SB-005	TSA-SB-005
			Sample ID	TSA-SB-004-1.0-2.0	TSA-SB-005-0.0-0.5	TSA-SB-005-0.5-1.0	TSA-SB-005-1.0-2.0	TSA-SB-005-1.0-2.0
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22K0028-01	22J3497-08	22J3497-09	22J3497-10	22J3936-08
			SDG	22J3497	22J3497	22J3497	22J3497	22J3497
			Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
			Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
6010C	Aluminum	7429-90-5	NA	mg/kg		11000	7800	9500
6010C	Antimony	7440-36-0	NA	mg/kg		1.8 U	1.8 U	1.8 U
6010C	Arsenic	7440-38-2	NA	mg/kg		14	8.4	18
6010C	Arsenic	7440-38-2	TCLP	mg/l		0.0096 J	0.05 U	0.021 J
6010C	Barium	7440-39-3	NA	mg/kg		170	87	90
6010C	Barium	7440-39-3	TCLP	mg/l		0.46 J	0.86	0.7
6010C	Beryllium	7440-41-7	NA	mg/kg		0.57	0.41	0.49
6010C	Boron	7440-42-8	NA	mg/kg		3.7 U	1.4 J	1.5 J
6010C	Cadmium	7440-43-9	NA	mg/kg		0.12 J	0.15 J	0.19 J
6010C	Cadmium	7440-43-9	TCLP	mg/l		0.01 U	0.0043 J	0.0053 J
6010C	Calcium	7440-70-2	NA	mg/kg		1900	2200	2100
6010C	Chromium, Total	7440-47-3	NA	mg/kg		13	11	12
6010C	Chromium, Total	7440-47-3	TCLP	mg/l		0.05 U	0.05 U	0.05 U
6010C	Cobalt	7440-48-4	NA	mg/kg		8.3	7.2	7.4
6010C	Copper	7440-50-8	NA	mg/kg		17	20	32
6010C	Iron	7439-89-6	NA	mg/kg		21000	19000	22000
6010C	Lead	7439-92-1	NA	mg/kg		71	39	79
6010C	Lead	7439-92-1	TCLP	mg/l		0.007 J	0.011 J	0.022 J
6010C	Magnesium	7439-95-4	NA	mg/kg		2700	2400	2700
6010C	Manganese	7439-96-5	NA	mg/kg		700	480	480
6010C	Nickel	7440-02-0	NA	mg/kg		17	15	16
6010C	Potassium	7440-09-7	NA	mg/kg		960	1000	830
6010C	Selenium	7782-49-2	NA	mg/kg		3.7 U	3.7 U	3.7 U
6010C	Selenium	7782-49-2	TCLP	mg/l		0.05 U	0.05 U	0.05 U
6010C	Silver	7440-22-4	NA	mg/kg		0.37 U	0.37 U	0.37 U
6010C	Silver	7440-22-4	TCLP	mg/l		0.05 U	0.05 U	0.05 U
6010C	Sodium	7440-23-5	NA	mg/kg		37 J	180 U	30 J
6010C	Thallium	7440-28-0	NA	mg/kg		1.8 U	1.8 U	1.8 U
6010C	Vanadium	7440-62-2	NA	mg/kg		17		17
6010C	Zinc	7440-66-6	NA	mg/kg		74	74	77
7471B	Mercury	7439-97-6	NA	mg/kg		0.099 J	0.045 J	0.069 J
7471B	Mercury	7439-97-6	TCLP	mg/l		0.0001 U	0.000064 J	0.000053 J
8081B	Alachlor	15972-60-8	NA	mg/kg	0.024 U			0.11 U
8081B	Aldrin	309-00-2	NA	mg/kg	0.0059 U			0.028 U
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg	0.0059 U			0.028 U
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg	0.0059 U			0.028 U
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg	0.0059 U			0.028 U
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg	0.0095 U			0.045 U
8081B	Chlordane	57-74-9	NA	mg/kg	0.024 U			0.11 U
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg	0.0059 U			0.028 U
8081B	Dieldrin	60-57-1	NA	mg/kg	0.0047 U			0.023 U
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg	0.0095 U			0.045 U
8081B	Endrin	72-20-8	NA	mg/kg	0.0095 U			0.045 U
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg	0.0095 U			0.045 U
8081B	Endrin Ketone	53494-70-5	NA	mg/kg	0.0095 U			0.045 U
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg	0.0024 U			0.011 U
8081B	Heptachlor	76-44-8	NA	mg/kg	0.0059 U			0.028 U
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg	0.0059 U			0.028 U
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg	0.0071 U			0.034 U
8081B	Methoxychlor	72-43-5	NA	mg/kg	0.059 U			0.28 U
8081B	P,P'-DDD	72-54-8	NA	mg/kg	0.0047 U			0.023 U
8081B	P,P'-DDE	72-55-9	NA	mg/kg	0.0023 J			0.066
8081B	P,P'-DDT	50-29-3	NA	mg/kg	0.0018 J			0.01 J
8081B	Toxaphene	8001-35-2	NA	mg/kg	0.12 U			0.56 U
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg	0.095 U			0.09 U
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg	0.095 U			0.09 U

			Location ID	TSA-SB-004	TSA-SB-005	TSA-SB-005	TSA-SB-005	TSA-SB-005
			Sample ID	TSA-SB-004-1.0-2.0	TSA-SB-005-0.0-0.5	TSA-SB-005-0.5-1.0	TSA-SB-005-1.0-2.0	TSA-SB-005-1.0-2.0
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22K0028-01	22J3497-08	22J3497-09	22J3497-10	22J3936-08
			SDG	22J3497	22J3497	22J3497	22J3497	22J3497
			Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
			Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg	0.095	U		0.09
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg	0.095	U		0.09
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg	0.095	U		0.09
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg	0.095	U		0.09
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg	0.095	U		0.09
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg	0.095	U		0.09
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg	0.095	U		0.09
8260	1,1,1,2-Tetrachloroethane	630-20-6	NA	mg/kg	0.0018	U		0.0023
8260	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg	0.0018	U		0.0023
8260	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg	0.00088	U		0.0012
8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg	0.0088	U		0.012
8260	1,1,2-Trichloroethane	79-00-5	NA	mg/kg	0.0018	U		0.0023
8260	1,1-Dichloroethane	75-34-3	NA	mg/kg	0.0018	U		0.0023
8260	1,1-Dichloroethene	75-35-4	NA	mg/kg	0.0035	U		0.0046
8260	1,1-Dichloropropene	563-58-6	NA	mg/kg	0.0018	U		0.0023
8260	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg	0.0018	U		0.0023
8260	1,2,3-Trichloropropane	96-18-4	NA	mg/kg	0.0018	U		0.0023
8260	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.0018	U		0.0023
8260	1,2,4-Trimethylbenzene	95-63-6	NA	mg/kg	0.0018	U		0.0023
8260	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg	0.0018	U		0.0023
8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg	0.00088	U		0.0012
8260	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.0018	U		0.0023
8260	1,2-Dichloroethane	107-06-2	NA	mg/kg	0.0018	U		0.0023
8260	1,2-Dichloropropane	78-87-5	NA	mg/kg	0.0018	U		0.0023
8260	1,3,5-Trichlorobenzene	108-70-3	NA	mg/kg	0.0018	U		0.0023
8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	mg/kg	0.0018	U		0.0023
8260	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.0018	U		0.0023
8260	1,3-Dichloropropane	142-28-9	NA	mg/kg	0.00088	U		0.0012
8260	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.0018	U		0.0023
8260	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.088	U		0.12
8260	2,2-Dichloropropane	594-20-7	NA	mg/kg	0.0018	U		0.0023
8260	2-Chlorotoluene	95-49-8	NA	mg/kg	0.0018	U		0.0023
8260	2-Hexanone	591-78-6	NA	mg/kg	0.018	U		0.023
8260	2-Methoxy-2-Methylbutane	994-05-8	NA	mg/kg	0.00088	U		0.0012
8260	4-Chlorotoluene	106-43-4	NA	mg/kg	0.0018	U		0.0023
8260	Acetone	67-64-1	NA	mg/kg				
8260	Acrylonitrile	107-13-1	NA	mg/kg	0.0053	U		0.0069
8260	Benzene	71-43-2	NA	mg/kg	0.0018	U		0.0072
8260	Bromobenzene	108-86-1	NA	mg/kg	0.0018	U		0.0023
8260	Bromochloromethane	74-97-5	NA	mg/kg	0.0018	U		0.0023
8260	Bromodichloromethane	75-27-4	NA	mg/kg	0.0018	U		0.0023
8260	Bromoform	75-25-2	NA	mg/kg	0.0018	U		0.0023
8260	Bromomethane	74-83-9	NA	mg/kg	0.0088	U		0.012
8260	Carbon Disulfide	75-15-0	NA	mg/kg	0.0088	U		0.012
8260	Carbon Tetrachloride	56-23-5	NA	mg/kg	0.0018	U		0.0023
8260	Chlorobenzene	108-90-7	NA	mg/kg	0.0018	U		0.0023
8260	Chloroethane	75-00-3	NA	mg/kg	0.018	U		0.023
8260	Chloroform	67-66-3	NA	mg/kg	0.0035	U		0.0046
8260	Chloromethane	74-87-3	NA	mg/kg	0.0088	U		0.012
8260	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg	0.0018	U		0.0023
8260	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg	0.00088	U		0.0012
8260	Cymene	99-87-6	NA	mg/kg	0.0018	U		0.0023
8260	Dibromochloromethane	124-48-1	NA	mg/kg	0.00088	U		0.0012
8260	Dibromomethane	74-95-3	NA	mg/kg	0.0018	U		0.0023
8260	Dichlorodifluoromethane	75-71-8	NA	mg/kg	0.018	U		0.023
8260	Diethyl Ether (Ethyl Ether)	60-29-7	NA	mg/kg	0.018	U		0.023

				Location ID	TSA-SB-004	TSA-SB-005	TSA-SB-005	TSA-SB-005	TSA-SB-005
				Sample ID	TSA-SB-004-1.0-2.0	TSA-SB-005-0.0-0.5	TSA-SB-005-0.5-1.0	TSA-SB-005-1.0-2.0	TSA-SB-005-1.0-2.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22K0028-01	22J3497-08	22J3497-09	22J3497-10	22J3936-08
				SDG	22J3497	22J3497	22J3497	22J3497	22J3497
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8260	Ethyl Tert-Butyl Ether	637-92-3	NA	mg/kg	0.00088	U			0.0012
8260	Ethylbenzene	100-41-4	NA	mg/kg	0.0018	U			0.0023
8260	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.0018	U			0.0023
8260	Isopropyl Ether	108-20-3	NA	mg/kg	0.00088	U			0.0012
8260	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg	0.0018	U			0.0023
8260	m,p-Xylene	179601-23-1	NA	mg/kg	0.0035	U			0.0046
8260	Methyl Acetate	79-20-9	NA	mg/kg	0.0018	U			0.0023
8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg	0.035	U			0.046
8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg	0.018	U			0.023
8260	Methylcyclohexane	108-87-2	NA	mg/kg	0.0018	U			0.0023
8260	Methylene Chloride	75-09-2	NA	mg/kg	0.018	U			0.023
8260	Naphthalene	91-20-3	NA	mg/kg	0.0035	U			0.0046
8260	N-Butylbenzene	104-51-8	NA	mg/kg	0.0018	U			0.0023
8260	N-Propylbenzene	103-65-1	NA	mg/kg	0.0018	U			0.0023
8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	mg/kg	0.0018	U			0.0023
8260	Sec-Butylbenzene	135-98-8	NA	mg/kg	0.0018	U			0.0023
8260	Styrene	100-42-5	NA	mg/kg	0.0018	U			0.0023
8260	T-Butylbenzene	98-06-6	NA	mg/kg	0.0018	U			0.0023
8260	Tert-Butyl Alcohol	75-65-0	NA	mg/kg	0.088	UJ			0.12
8260	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg	0.0035	U			0.0046
8260	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg	0.0018	U			0.0023
8260	Tetrahydrofuran	109-99-9	NA	mg/kg	0.0088	U			0.012
8260	Toluene	108-88-3	NA	mg/kg	0.0018	U			0.0023
8260	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg	0.0018	U			0.0023
8260	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg	0.00088	U			0.0012
8260	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	mg/kg	0.0035	UJ			0.0046
8260	Trichloroethylene (TCE)	79-01-6	NA	mg/kg	0.0018	U			0.0023
8260	Trichlorofluoromethane	75-69-4	NA	mg/kg	0.0088	U			0.012
8260	Vinyl Chloride	75-01-4	NA	mg/kg	0.0088	U			0.012
8270	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg		0.39	U	0.39	UJ
8270	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg		0.39	U	0.39	UJ
8270	1,2-Dichlorobenzene	95-50-1	NA	mg/kg		0.39	U	0.39	UJ
8270	1,2-Diphenylhydrazine	122-66-7	NA	mg/kg		0.39	U	0.39	U
8270	1,3-Dichlorobenzene	541-73-1	NA	mg/kg		0.39	U	0.39	UJ
8270	1,4-Dichlorobenzene	106-46-7	NA	mg/kg		0.39	U	0.39	UJ
8270	1-Methylnaphthalene	90-12-0	NA	mg/kg		0.19	U	0.19	UJ
8270	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg		0.39	U	0.39	UJ
8270	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg		0.39	U	0.39	UJ
8270	2,4-Dichlorophenol	120-83-2	NA	mg/kg		0.39	U	0.39	UJ
8270	2,4-Dimethylphenol	105-67-9	NA	mg/kg		0.39	U	0.39	UJ
8270	2,4-Dinitrophenol	51-28-5	NA	mg/kg		0.75	U	0.75	UJ
8270	2,4-Dinitrotoluene	121-14-2	NA	mg/kg		0.39	U	0.39	UJ
8270	2,6-Dinitrotoluene	606-20-2	NA	mg/kg		0.39	U	0.39	UJ
8270	2-Chloronaphthalene	91-58-7	NA	mg/kg		0.39	U	0.39	UJ
8270	2-Chlorophenol	95-57-8	NA	mg/kg		0.39	U	0.39	UJ
8270	2-Methylnaphthalene	91-57-6	NA	mg/kg		0.19	U	0.19	UJ
8270	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg		0.39	U	0.39	UJ
8270	2-Nitroaniline	88-74-4	NA	mg/kg		0.39	U	0.39	UJ
8270	2-Nitrophenol	88-75-5	NA	mg/kg		0.39	U	0.39	UJ
8270	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg		0.39	U	0.39	UJ
8270	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg		0.19	U	0.19	U
8270	3-Nitroaniline	99-09-2	NA	mg/kg		0.39	U	0.39	UJ
8270	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg		0.39	U	0.39	U
8270	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg		0.39	U	0.39	U
8270	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg		0.75	U	0.75	UJ
8270	4-Chloroaniline	106-47-8	NA	mg/kg		0.75	U	0.75	UJ

				Location ID	TSA-SB-004	TSA-SB-005	TSA-SB-005	TSA-SB-005	TSA-SB-005
				Sample ID	TSA-SB-004-1.0-2.0	TSA-SB-005-0.0-0.5	TSA-SB-005-0.5-1.0	TSA-SB-005-1.0-2.0	TSA-SB-005-1.0-2.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22K0028-01	22J3497-08	22J3497-09	22J3497-10	22J3936-08
				SDG	22J3497	22J3497	22J3497	22J3497	22J3497
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8270	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	4-Nitroaniline	100-01-6	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	4-Nitrophenol	100-02-7	NA	mg/kg		0.75 U	0.75 UJ	0.75 U	
8270	Acenaphthene	83-32-9	NA	mg/kg		0.19 U	0.19 UJ	0.19 U	
8270	Acenaphthylene	208-96-8	NA	mg/kg		0.19 U	0.19 UJ	0.19 U	
8270	Acetophenone	98-86-2	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Aniline	62-53-3	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Anthracene	120-12-7	NA	mg/kg		0.19 U	0.19 U	0.19 U	
8270	Benzidine	92-87-5	NA	mg/kg		0.75 UJ	0.75 UJ	0.75 UJ	
8270	Benzo(A)Anthracene	56-55-3	NA	mg/kg		0.19 U	0.19 U	0.19 U	
8270	Benzo(A)Pyrene	50-32-8	NA	mg/kg		0.19 U	0.19 U	0.19 U	
8270	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg		0.12 J	0.099 J	0.073 J	
8270	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg		0.19 U	0.19 U	0.19 U	
8270	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg		0.19 U	0.19 U	0.19 U	
8270	Benzoic Acid	65-85-0	NA	mg/kg		1.1 UJ	1.1 UJ	1.1 UJ	
8270	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg		0.39 U	0.39 U	0.38 U	
8270	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg		0.39 U	0.39 U	0.38 U	
8270	Carbazole	86-74-8	NA	mg/kg		0.19 U	0.19 U	0.19 U	
8270	Chrysene	218-01-9	NA	mg/kg		0.08 J	0.081 J	0.19 U	
8270	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg		0.19 U	0.19 U	0.19 U	
8270	Dibenzofuran	132-64-9	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Diethyl Phthalate	84-66-2	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Dimethyl Phthalate	131-11-3	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg		0.39 U	0.39 U	0.38 U	
8270	Di-N-Octylphthalate	117-84-0	NA	mg/kg		0.39 U	0.39 U	0.38 U	
8270	Fluoranthene	206-44-0	NA	mg/kg		0.1 J	0.14 J	0.09 J	
8270	Fluorene	86-73-7	NA	mg/kg		0.19 U	0.19 UJ	0.19 U	
8270	Hexachlorobenzene	118-74-1	NA	mg/kg		0.39 U	0.39 U	0.38 U	
8270	Hexachlorobutadiene	87-68-3	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Hexachloroethane	67-72-1	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg		0.19 U	0.19 U	0.19 U	
8270	Isophorone	78-59-1	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Naphthalene	91-20-3	NA	mg/kg		0.19 U	0.19 UJ	0.19 U	
8270	Nitrobenzene	98-95-3	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	N-Nitrosodimethylamine	62-75-9	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg		0.39 U	0.39 U	0.38 U	
8270	Pentachloronitrobenzene	82-68-8	NA	mg/kg		0.39 U	0.39 U	0.38 U	
8270	Pentachlorophenol	87-86-5	NA	mg/kg		0.39 U	0.39 U	0.38 U	
8270	Phenanthrene	85-01-8	NA	mg/kg		0.19 U	0.081 J	0.19 U	
8270	Phenol	108-95-2	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
8270	Pyrene	129-00-0	NA	mg/kg		0.11 J	0.14 J	0.089 J	
8270	Pyridine	110-86-1	NA	mg/kg		0.39 U	0.39 UJ	0.38 U	
SW8270	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/kg					
A2540G	Solids, Percent	SOLID	NA	%	84.3	87.8	88	88.5	88.5
E537(M)	11-Chloroeicosfluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg	0.51 U				0.47 U
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg	0.51 U				0.47 U
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg	0.51 U				0.47 U
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg	0.51 U				0.47 U
E537(M)	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg	0.51 U				0.47 U
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg	0.51 U				0.47 U
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg	0.51 U				0.47 U

				Location ID	TSA-SB-004	TSA-SB-005	TSA-SB-005	TSA-SB-005	TSA-SB-005
				Sample ID	TSA-SB-004-1.0-2.0	TSA-SB-005-0.0-0.5	TSA-SB-005-0.5-1.0	TSA-SB-005-1.0-2.0	TSA-SB-005-1.0-2.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22K0028-01	22J3497-08	22J3497-09	22J3497-10	22J3936-08
				SDG	22J3497	22J3497	22J3497	22J3497	22J3497
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg	0.51 U				0.47 U
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg	0.51 U				0.47 U
E537(M)	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluoro-1-butanedisulfonamide (FBSA)	30334-69-1	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorobutanoic Acid	375-22-4	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorononanesulfonic acid (PFNS)	68259-12-1	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	NA	ug/kg	0.51 U				0.47 U
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg	0.51 U				0.47 U
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					0.0225 U
SW8151	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg					0.0225 U
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					0.0225 U
SW8151	Dalapon	75-99-0	T	mg/kg					0.0225 U
SW8151	Dicamba	1918-00-9	T	mg/kg					0.0225 U
SW8151	Dichloroprop	120-36-5	T	mg/kg					0.0225 U
SW8151	Dinoseb	88-85-7	T	mg/kg					0.0225 U
SW8151	MCPA	94-74-6	T	mg/kg					0.0225 U
SW8151	Mecoprop	93-65-2	T	mg/kg					0.0225 U
SW8151	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					0.0225 U
SW8321	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg	0.0231 U				
SW8321	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg	0.0231 U				
SW8321	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg	0.0231 U				
SW8321	Dalapon	75-99-0	T	mg/kg	0.0231 U				
SW8321	Dicamba	1918-00-9	T	mg/kg	0.0231 U				
SW8321	Dichloroprop	120-36-5	T	mg/kg	0.0231 U				
SW8321	Dinoseb	88-85-7	T	mg/kg	0.0231 U				
SW8321	MCPA	94-74-6	T	mg/kg	0.0231 U				
SW8321	Mecoprop	93-65-2	T	mg/kg	0.0231 U				
SW8321	Silvex (2,4,5-TP)	93-72-1	T	mg/kg	0.0231 U				
SW9014	Cyanide	57-12-5	T	mg/kg	3.2				
SW9071	Oil & Grease, Total Rec				115 U				0.41 J
SW9071	Total Petroleum Hydrocarbons - Non-Polar Material - Sgt Hem	TPHNONPOLAR	T	mg/kg					430

			Location ID	TSA-SB-006	TSA-SB-006	TSA-SB-006	TSA-SB-007	TSA-SB-007
			Sample ID	TSA-SB-006-0.0-0.5	TSA-SB-006-0.5-1.0	TSA-SB-006-1.0-2.0	TSA-SB-007-0.0-0.5	TSA-SB-007-0.5-1.0
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J3497-11	22J3497-12	22J3497-13	22J4228-01	22J4228-02
			SDG	22J3497	22J3497	22J3497	22J4228	22J4228
			Sample Date	10/24/2022	10/24/2022	10/24/2022	10/27/2022	10/27/2022
			Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
6010C	Aluminum	7429-90-5	NA	mg/kg	8100	8600	8500	6700
6010C	Antimony	7440-36-0	NA	mg/kg	1.9 U	1.9 U	1.8 U	1.9 U
6010C	Arsenic	7440-38-2	NA	mg/kg	5.3	6	7.2	6
6010C	Arsenic	7440-38-2	TCLP	mg/l	0.05 U	0.014 J	0.05 U	0.0071 J
6010C	Barium	7440-39-3	NA	mg/kg	91	92	80	120
6010C	Barium	7440-39-3	TCLP	mg/l	0.53	0.65	0.57	0.79
6010C	Beryllium	7440-41-7	NA	mg/kg	0.43	0.45	0.44	0.44
6010C	Boron	7440-42-8	NA	mg/kg	3.8 U	3.7 U	3.7 U	2.9 J
6010C	Cadmium	7440-43-9	NA	mg/kg	0.38 U	0.37 U	0.37 U	0.71
6010C	Cadmium	7440-43-9	TCLP	mg/l	0.0016 J	0.0022 J	0.0026 J	0.0047 J
6010C	Calcium	7440-70-2	NA	mg/kg	1400	1500	1600	5700
6010C	Chromium, Total	7440-47-3	NA	mg/kg	15	12	11	10
6010C	Chromium, Total	7440-47-3	TCLP	mg/l	0.0035 J	0.026 J	0.05 U	0.05 U
6010C	Cobalt	7440-48-4	NA	mg/kg	7.6	7.9	7	5.5
6010C	Copper	7440-50-8	NA	mg/kg	13	14	17	26
6010C	Iron	7439-89-6	NA	mg/kg	20000	21000	22000	16000
6010C	Lead	7439-92-1	NA	mg/kg	25	22	40	200
6010C	Lead	7439-92-1	TCLP	mg/l	0.032 J	0.052 J	0.011 J	0.088 J
6010C	Magnesium	7439-95-4	NA	mg/kg	2400	2500	2400	2500
6010C	Manganese	7439-96-5	NA	mg/kg	490	570	410	500
6010C	Nickel	7440-02-0	NA	mg/kg	16	16	15	11
6010C	Potassium	7440-09-7	NA	mg/kg	1000	870	710	930
6010C	Selenium	7782-49-2	NA	mg/kg	3.8 U	3.7 U	3.7 U	3.9 U
6010C	Selenium	7782-49-2	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Silver	7440-22-4	NA	mg/kg	0.38 U	0.37 U	0.37 U	0.39 U
6010C	Silver	7440-22-4	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Sodium	7440-23-5	NA	mg/kg	28 J	29 J	34 J	55 J
6010C	Thallium	7440-28-0	NA	mg/kg	1.9 U	1.9 U	1.8 U	1.9 U
6010C	Vanadium	7440-62-2	NA	mg/kg	13	14	15	13
6010C	Zinc	7440-66-6	NA	mg/kg	66	60	67	190
7471B	Mercury	7439-97-6	NA	mg/kg	0.041 J	0.046	0.062	0.045
7471B	Mercury	7439-97-6	TCLP	mg/l	0.00012	0.00014	0.000057 J	0.000074 J
8081B	Alachlor	15972-60-8	NA	mg/kg				
8081B	Aldrin	309-00-2	NA	mg/kg				
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg				
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg				
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg				
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg				
8081B	Chlordane	57-74-9	NA	mg/kg				
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg				
8081B	Dieldrin	60-57-1	NA	mg/kg				
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg				
8081B	Endrin	72-20-8	NA	mg/kg				
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg				
8081B	Endrin Ketone	53494-70-5	NA	mg/kg				
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg				
8081B	Heptachlor	76-44-8	NA	mg/kg				
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg				
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg				
8081B	Methoxychlor	72-43-5	NA	mg/kg				
8081B	P,P'-DDD	72-54-8	NA	mg/kg				
8081B	P,P'-DDE	72-55-9	NA	mg/kg				
8081B	P,P'-DDT	50-29-3	NA	mg/kg				
8081B	Toxaphene	8001-35-2	NA	mg/kg				
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg				
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg				

			Location ID	TSA-SB-006	TSA-SB-006	TSA-SB-006	TSA-SB-007	TSA-SB-007
			Sample ID	TSA-SB-006-0.0-0.5	TSA-SB-006-0.5-1.0	TSA-SB-006-1.0-2.0	TSA-SB-007-0.0-0.5	TSA-SB-007-0.5-1.0
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J3497-11	22J3497-12	22J3497-13	22J4228-01	22J4228-02
			SDG	22J3497	22J3497	22J3497	22J4228	22J4228
			Sample Date	10/24/2022	10/24/2022	10/24/2022	10/27/2022	10/27/2022
			Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg				
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg				
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg				
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg				
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg				
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg				
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg				
8260	1,1,1,2-Tetrachloroethane	630-20-6	NA	mg/kg				
8260	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg				
8260	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg				
8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg				
8260	1,1,2-Trichloroethane	79-00-5	NA	mg/kg				
8260	1,1-Dichloroethane	75-34-3	NA	mg/kg				
8260	1,1-Dichloroethene	75-35-4	NA	mg/kg				
8260	1,1-Dichloropropene	563-58-6	NA	mg/kg				
8260	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg				
8260	1,2,3-Trichloropropane	96-18-4	NA	mg/kg				
8260	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg				
8260	1,2,4-Trimethylbenzene	95-63-6	NA	mg/kg				
8260	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg				
8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg				
8260	1,2-Dichlorobenzene	95-50-1	NA	mg/kg				
8260	1,2-Dichloroethane	107-06-2	NA	mg/kg				
8260	1,2-Dichloropropane	78-87-5	NA	mg/kg				
8260	1,3,5-Trichlorobenzene	108-70-3	NA	mg/kg				
8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	mg/kg				
8260	1,3-Dichlorobenzene	541-73-1	NA	mg/kg				
8260	1,3-Dichloropropane	142-28-9	NA	mg/kg				
8260	1,4-Dichlorobenzene	106-46-7	NA	mg/kg				
8260	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg				
8260	2,2-Dichloropropane	594-20-7	NA	mg/kg				
8260	2-Chlorotoluene	95-49-8	NA	mg/kg				
8260	2-Hexanone	591-78-6	NA	mg/kg				
8260	2-Methoxy-2-Methylbutane	994-05-8	NA	mg/kg				
8260	4-Chlorotoluene	106-43-4	NA	mg/kg				
8260	Acetone	67-64-1	NA	mg/kg				
8260	Acrylonitrile	107-13-1	NA	mg/kg				
8260	Benzene	71-43-2	NA	mg/kg				
8260	Bromobenzene	108-86-1	NA	mg/kg				
8260	Bromochloromethane	74-97-5	NA	mg/kg				
8260	Bromodichloromethane	75-27-4	NA	mg/kg				
8260	Bromoform	75-25-2	NA	mg/kg				
8260	Bromomethane	74-83-9	NA	mg/kg				
8260	Carbon Disulfide	75-15-0	NA	mg/kg				
8260	Carbon Tetrachloride	56-23-5	NA	mg/kg				
8260	Chlorobenzene	108-90-7	NA	mg/kg				
8260	Chloroethane	75-00-3	NA	mg/kg				
8260	Chloroform	67-66-3	NA	mg/kg				
8260	Chloromethane	74-87-3	NA	mg/kg				
8260	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg				
8260	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg				
8260	Cymene	99-87-6	NA	mg/kg				
8260	Dibromochloromethane	124-48-1	NA	mg/kg				
8260	Dibromomethane	74-95-3	NA	mg/kg				
8260	Dichlorodifluoromethane	75-71-8	NA	mg/kg				
8260	Diethyl Ether (Ethyl Ether)	60-29-7	NA	mg/kg				

				Location ID	TSA-SB-006	TSA-SB-006	TSA-SB-006	TSA-SB-007	TSA-SB-007
				Sample ID	TSA-SB-006-0.0-0.5	TSA-SB-006-0.5-1.0	TSA-SB-006-1.0-2.0	TSA-SB-007-0.0-0.5	TSA-SB-007-0.5-1.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3497-11	22J3497-12	22J3497-13	22J4228-01	22J4228-02
				SDG	22J3497	22J3497	22J3497	22J4228	22J4228
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/27/2022	10/27/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8260	Ethyl Tert-Butyl Ether	637-92-3	NA	mg/kg					
8260	Ethylbenzene	100-41-4	NA	mg/kg					
8260	Hexachlorobutadiene	87-68-3	NA	mg/kg					
8260	Isopropyl Ether	108-20-3	NA	mg/kg					
8260	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg					
8260	m,p-Xylene	179601-23-1	NA	mg/kg					
8260	Methyl Acetate	79-20-9	NA	mg/kg					
8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg					
8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg					
8260	Methylcyclohexane	108-87-2	NA	mg/kg					
8260	Methylene Chloride	75-09-2	NA	mg/kg					
8260	Naphthalene	91-20-3	NA	mg/kg					
8260	N-Butylbenzene	104-51-8	NA	mg/kg					
8260	N-Propylbenzene	103-65-1	NA	mg/kg					
8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	mg/kg					
8260	Sec-Butylbenzene	135-98-8	NA	mg/kg					
8260	Styrene	100-42-5	NA	mg/kg					
8260	T-Butylbenzene	98-06-6	NA	mg/kg					
8260	Tert-Butyl Alcohol	75-65-0	NA	mg/kg					
8260	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg					
8260	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg					
8260	Tetrahydrofuran	109-99-9	NA	mg/kg					
8260	Toluene	108-88-3	NA	mg/kg					
8260	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg					
8260	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg					
8260	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	mg/kg					
8260	Trichloroethylene (TCE)	79-01-6	NA	mg/kg					
8260	Trichlorofluoromethane	75-69-4	NA	mg/kg					
8260	Vinyl Chloride	75-01-4	NA	mg/kg					
8270	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	1,2-Diphenylhydrazine	122-66-7	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	1-Methylnaphthalene	90-12-0	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.78 U	0.76 U	0.75 U	0.81 U	0.85 U
8270	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	2-Chlorophenol	95-57-8	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	2-Nitroaniline	88-74-4	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	2-Nitrophenol	88-75-5	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	3-Nitroaniline	99-09-2	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.78 U	0.76 U	0.75 U	0.81 U	0.85 U
8270	4-Chloroaniline	106-47-8	NA	mg/kg	0.78 U	0.76 U	0.75 U	0.81 U	0.85 U

				Location ID	TSA-SB-006	TSA-SB-006	TSA-SB-006	TSA-SB-007	TSA-SB-007
				Sample ID	TSA-SB-006-0.0-0.5	TSA-SB-006-0.5-1.0	TSA-SB-006-1.0-2.0	TSA-SB-007-0.0-0.5	TSA-SB-007-0.5-1.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3497-11	22J3497-12	22J3497-13	22J4228-01	22J4228-02
				SDG	22J3497	22J3497	22J3497	22J4228	22J4228
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/27/2022	10/27/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8270	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	4-Nitroaniline	100-01-6	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	4-Nitrophenol	100-02-7	NA	mg/kg	0.78 U	0.76 U	0.75 U	0.81 U	0.85 U
8270	Acenaphthene	83-32-9	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	Acenaphthylene	208-96-8	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	Acetophenone	98-86-2	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Aniline	62-53-3	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Anthracene	120-12-7	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	Benzidine	92-87-5	NA	mg/kg	0.78 U	0.76 U	0.75 U	0.81 U	0.85 U
8270	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.2 U	0.19 U	0.084 J	0.14 J	0.079 J
8270	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.2 U	0.19 U	0.087 J	0.16 J	0.08 J
8270	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.2 U	0.19 U	0.12 J	0.22	0.12 J
8270	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.13 J	0.22 U
8270	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	Benzoic Acid	65-85-0	NA	mg/kg	1.2 U	1.1 U	1.1 U	1.2 U	1.3 U
8270	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Carbazole	86-74-8	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	Chrysene	218-01-9	NA	mg/kg	0.2 U	0.19 U	0.099 J	0.19 J	0.11 J
8270	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	Dibenzofuran	132-64-9	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Diethyl Phthalate	84-66-2	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Fluoranthene	206-44-0	NA	mg/kg	0.2 U	0.19 U	0.14 J	0.3	0.14 J
8270	Fluorene	86-73-7	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	Hexachlorobenzene	118-74-1	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Hexachloroethane	67-72-1	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.12 J	0.22 U
8270	Isophorone	78-59-1	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Naphthalene	91-20-3	NA	mg/kg	0.2 U	0.19 U	0.19 U	0.21 U	0.22 U
8270	Nitrobenzene	98-95-3	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	N-Nitrosodimethylamine	62-75-9	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Pentachloronitrobenzene	82-68-8	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Pentachlorophenol	87-86-5	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Phenanthrene	85-01-8	NA	mg/kg	0.2 U	0.19 U	0.095 J	0.2 J	0.11 J
8270	Phenol	108-95-2	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
8270	Pyrene	129-00-0	NA	mg/kg	0.2 U	0.19 U	0.16 J	0.3	0.14 J
8270	Pyridine	110-86-1	NA	mg/kg	0.4 U	0.39 U	0.39 U	0.42 U	0.44 U
SW8270	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/kg				12 J	19 U
A2540G	Solids, Percent	SOLID	NA	%	85.1	87.3	88.2	81.4	77.6
E537(M)	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg					
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg					
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg					
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg					
E537(M)	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg					
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg					
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg					

				Location ID	TSA-SB-006	TSA-SB-006	TSA-SB-006	TSA-SB-007	TSA-SB-007
				Sample ID	TSA-SB-006-0.0-0.5	TSA-SB-006-0.5-1.0	TSA-SB-006-1.0-2.0	TSA-SB-007-0.0-0.5	TSA-SB-007-0.5-1.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3497-11	22J3497-12	22J3497-13	22J4228-01	22J4228-02
				SDG	22J3497	22J3497	22J3497	22J4228	22J4228
				Sample Date	10/24/2022	10/24/2022	10/24/2022	10/27/2022	10/27/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg					
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg					
E537(M)	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg					
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg					
E537(M)	Perfluoro-1-butanedisulfonamide (FBSA)	30334-69-1	NA	ug/kg					
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NA	ug/kg					
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg					
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg					
E537(M)	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg					
E537(M)	Perfluorobutanoic Acid	375-22-4	NA	ug/kg					
E537(M)	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg					
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg					
E537(M)	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg					
E537(M)	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg					
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg					
E537(M)	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg					
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg					
E537(M)	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg					
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg					
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg					
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg					
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg					
E537(M)	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg					
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg					
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg					
E537(M)	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	NA	ug/kg					
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg					
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					
SW8151	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg					
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					
SW8151	Dalapon	75-99-0	T	mg/kg					
SW8151	Dicamba	1918-00-9	T	mg/kg					
SW8151	Dichloroprop	120-36-5	T	mg/kg					
SW8151	Dinoseb	88-85-7	T	mg/kg					
SW8151	MCPA	94-74-6	T	mg/kg					
SW8151	Mecoprop	93-65-2	T	mg/kg					
SW8151	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					
SW8321	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					
SW8321	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg					
SW8321	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					
SW8321	Dalapon	75-99-0	T	mg/kg					
SW8321	Dicamba	1918-00-9	T	mg/kg					
SW8321	Dichloroprop	120-36-5	T	mg/kg					
SW8321	Dinoseb	88-85-7	T	mg/kg					
SW8321	MCPA	94-74-6	T	mg/kg					
SW8321	Mecoprop	93-65-2	T	mg/kg					
SW8321	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					
SW9014	Cyanide	57-12-5	T	mg/kg					
SW9071	Oil & Grease, Total Rec		OILGREASE	T					
SW9071	Total Petroleum Hydrocarbons - Non-Polar Material - Sgt Hem		TPHNONPOLAR	T					

			Location ID	TSA-SB-007	TSA-SB-007	TSA-SB-007	TSA-SB-007	TSA-SB-008
			Sample ID	TSA-SB-007-1.0-2.0	TSA-SB-007-1.0-11.0	TSA-SB-007-13.5-14.5	TSA-SB-007-5.0-6.0	TSA-SB-008-0.0-0.5
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J4228-03	22J4228-05	22J4228-06	22J4228-04	22J3936-01
			SDG	22J4228	22J4228	22J4228	22J3936	22J3936
			Sample Date	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/26/2022
			Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
6010C	Aluminum	7429-90-5	NA	mg/kg	10000	6900	5900	12000
6010C	Antimony	7440-36-0	NA	mg/kg	2 UJ	1.9 UJ	1.8 UJ	2 UJ
6010C	Arsenic	7440-38-2	NA	mg/kg	6.7	5.7	5.2	6
6010C	Arsenic	7440-38-2	TCLP	mg/l	0.016 J	0.05 U	0.05 U	0.05 U
6010C	Barium	7440-39-3	NA	mg/kg	140	73	49	110
6010C	Barium	7440-39-3	TCLP	mg/l	0.56	0.46 J	0.42 J	0.48 J
6010C	Beryllium	7440-41-7	NA	mg/kg	0.51	0.64	0.27	0.48
6010C	Boron	7440-42-8	NA	mg/kg	4 U	1.6 J	1.8 J	4 U
6010C	Cadmium	7440-43-9	NA	mg/kg	0.25 J	0.16 J	0.12 J	0.4 U
6010C	Cadmium	7440-43-9	TCLP	mg/l	0.01 U	0.01 U	0.01 U	0.01 U
6010C	Calcium	7440-70-2	NA	mg/kg	1600	2000	860	570
6010C	Chromium, Total	7440-47-3	NA	mg/kg	12	11	8.3	13
6010C	Chromium, Total	7440-47-3	TCLP	mg/l	0.0063 J	0.0026 J	0.05 U	0.05 U
6010C	Cobalt	7440-48-4	NA	mg/kg	8.5	6.2	5.6	7.3
6010C	Copper	7440-50-8	NA	mg/kg	18	26	29	16
6010C	Iron	7439-89-6	NA	mg/kg	21000	21000	20000	28000
6010C	Lead	7439-92-1	NA	mg/kg	90	15	6.7	9.8
6010C	Lead	7439-92-1	TCLP	mg/l	0.052 J	0.0052 J	0.1 U	0.0073 J
6010C	Magnesium	7439-95-4	NA	mg/kg	2200	2200	2200	2500
6010C	Manganese	7439-96-5	NA	mg/kg	550	540	380	350
6010C	Nickel	7440-02-0	NA	mg/kg	16	15	16	17
6010C	Potassium	7440-09-7	NA	mg/kg	840	710	650	680
6010C	Selenium	7782-49-2	NA	mg/kg	4 U	3.8 U	3.5 U	4 U
6010C	Selenium	7782-49-2	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Silver	7440-22-4	NA	mg/kg	0.4 U	0.38 U	0.35 U	0.4 U
6010C	Silver	7440-22-4	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Sodium	7440-23-5	NA	mg/kg	57 J	70 J	180 UJ	28 J
6010C	Thallium	7440-28-0	NA	mg/kg	2 U	1.9 U	1.8 U	2 U
6010C	Vanadium	7440-62-2	NA	mg/kg	18	12	11	17
6010C	Zinc	7440-66-6	NA	mg/kg	99	66	62	53
7471B	Mercury	7439-97-6	NA	mg/kg	0.073	0.023 J	0.014 J	0.043
7471B	Mercury	7439-97-6	TCLP	mg/l	0.00021	0.000087 J	0.000085 J	0.00015
8081B	Alachlor	15972-60-8	NA	mg/kg	0.025 U	0.023 U		0.024 U
8081B	Aldrin	309-00-2	NA	mg/kg	0.0061 U	0.0057 U		0.006 U
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg	0.0061 U	0.0057 U		0.006 U
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg	0.0061 U	0.0057 U		0.006 U
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg	0.0061 U	0.0057 U		0.006 U
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg	0.0098 U	0.0092 U		0.0097 U
8081B	Chlordane	57-74-9	NA	mg/kg	0.025 U	0.023 U		0.024 U
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg	0.0061 U	0.0057 U		0.006 U
8081B	Dieldrin	60-57-1	NA	mg/kg	0.0049 U	0.0046 U		0.0048 U
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg	0.0098 U	0.0092 U		0.0097 U
8081B	Endrin	72-20-8	NA	mg/kg	0.0098 U	0.0092 U		0.0097 U
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg	0.0098 U	0.0092 U		0.0097 U
8081B	Endrin Ketone	53494-70-5	NA	mg/kg	0.0098 U	0.0092 U		0.0097 U
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg	0.0025 U	0.0023 U		0.0024 U
8081B	Heptachlor	76-44-8	NA	mg/kg	0.0061 U	0.0057 U		0.006 U
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg	0.0061 U	0.0057 U		0.006 U
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg	0.0074 U	0.0069 U		0.0072 U
8081B	Methoxychlor	72-43-5	NA	mg/kg	0.061 U	0.057 U		0.06 U
8081B	P,P'-DDD	72-54-8	NA	mg/kg	0.0049 U	0.0046 U		0.0048 U
8081B	P,P'-DDE	72-55-9	NA	mg/kg	0.00057 J	0.0046 U		0.0048 U
8081B	P,P'-DDT	50-29-3	NA	mg/kg	0.0049 U	0.0046 U		0.0048 U
8081B	Toxaphene	8001-35-2	NA	mg/kg	0.12 U	0.11 U		0.12 U
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg	0.098 U	0.092 U		0.097 U
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg	0.098 U	0.092 U		0.097 U

				Location ID	TSA-SB-007	TSA-SB-007	TSA-SB-007	TSA-SB-007	TSA-SB-008
				Sample ID	TSA-SB-007-1.0-2.0	TSA-SB-007-10.0-11.0	TSA-SB-007-13.5-14.5	TSA-SB-007-5.0-6.0	TSA-SB-008-0.0-0.5
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J4228-03	22J4228-05	22J4228-06	22J4228-04	22J3936-01
				SDG	22J4228	22J4228	22J4228	22J4228	22J3936
				Sample Date	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/26/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg	0.098 U	0.092 U		0.097 U	
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg	0.098 U	0.092 U		0.097 U	
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg	0.098 U	0.092 U		0.097 U	
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg	0.098 U	0.092 U		0.097 U	
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg	0.098 U	0.092 U		0.097 U	
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg	0.098 U	0.092 U		0.097 U	
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg	0.098 U	0.092 U		0.097 U	
8260	1,1,1,2-Tetrachloroethane	630-20-6	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg	0.001 U	0.001 U		0.00098 U	
8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg	0.01 U	0.01 U		0.0098 U	
8260	1,1,2-Trichloroethane	79-00-5	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,1-Dichloroethane	75-34-3	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,1-Dichloroethene	75-35-4	NA	mg/kg	0.0041 U	0.004 U		0.0039 U	
8260	1,1-Dichloropropene	563-58-6	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,2,3-Trichloropropane	96-18-4	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,2,4-Trimethylbenzene	95-63-6	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg	0.001 U	0.001 U		0.00098 U	
8260	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,2-Dichloroethane	107-06-2	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,2-Dichloropropane	78-87-5	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,3,5-Trichlorobenzene	108-70-3	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,3-Dichloropropane	142-28-9	NA	mg/kg	0.001 U	0.001 U		0.00098 U	
8260	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.1 U	0.1 U		0.098 U	
8260	2,2-Dichloropropane	594-20-7	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	2-Chlorotoluene	95-49-8	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	2-Hexanone	591-78-6	NA	mg/kg	0.021 U	0.02 U		0.02 U	
8260	2-Methoxy-2-Methylbutane	994-05-8	NA	mg/kg	0.001 U	0.001 U		0.00098 U	
8260	4-Chlorotoluene	106-43-4	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Acetone	67-64-1	NA	mg/kg					
8260	Acrylonitrile	107-13-1	NA	mg/kg	0.0062 U	0.006 U		0.0059 U	
8260	Benzene	71-43-2	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Bromobenzene	108-86-1	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Bromochloromethane	74-97-5	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Bromodichloromethane	75-27-4	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Bromoform	75-25-2	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Bromomethane	74-83-9	NA	mg/kg	0.01 U	0.01 U		0.0098 U	
8260	Carbon Disulfide	75-15-0	NA	mg/kg	0.01 U	0.01 U		0.0098 U	
8260	Carbon Tetrachloride	56-23-5	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Chlorobenzene	108-90-7	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Chloroethane	75-00-3	NA	mg/kg	0.021 U	0.02 U		0.02 U	
8260	Chloroform	67-66-3	NA	mg/kg	0.0041 U	0.004 U		0.0039 U	
8260	Chloromethane	74-87-3	NA	mg/kg	0.01 U	0.01 U		0.0098 U	
8260	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg	0.001 U	0.001 U		0.00098 U	
8260	Cymene	99-87-6	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Dibromochloromethane	124-48-1	NA	mg/kg	0.001 U	0.001 U		0.00098 U	
8260	Dibromomethane	74-95-3	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Dichlorodifluoromethane	75-71-8	NA	mg/kg	0.021 U	0.02 U		0.02 U	
8260	Diethyl Ether (Ethyl Ether)	60-29-7	NA	mg/kg	0.021 U	0.02 U		0.02 U	

				Location ID	TSA-SB-007	TSA-SB-007	TSA-SB-007	TSA-SB-007	TSA-SB-008
				Sample ID	TSA-SB-007-1.0-2.0	TSA-SB-007-10.0-11.0	TSA-SB-007-13.5-14.5	TSA-SB-007-5.0-6.0	TSA-SB-008-0.0-0.5
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J4228-03	22J4228-05	22J4228-06	22J4228-04	22J3936-01
				SDG	22J4228	22J4228	22J4228	22J4228	22J3936
				Sample Date	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/26/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8260	Ethyl Tert-Butyl Ether	637-92-3	NA	mg/kg	0.001 U	0.001 U		0.00098 U	
8260	Ethylbenzene	100-41-4	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Isopropyl Ether	108-20-3	NA	mg/kg	0.001 U	0.001 U		0.00098 U	
8260	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	m,p-Xylene	179601-23-1	NA	mg/kg	0.0041 U	0.004 U		0.0039 U	
8260	Methyl Acetate	79-20-9	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg	0.041 U	0.04 U		0.039 U	
8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg	0.021 U	0.02 U		0.02 U	
8260	Methylcyclohexane	108-87-2	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Methylene Chloride	75-09-2	NA	mg/kg	0.021 U	0.02 U		0.02 U	
8260	Naphthalene	91-20-3	NA	mg/kg	0.0041 U	0.004 U		0.0039 U	
8260	N-Butylbenzene	104-51-8	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	N-Propylbenzene	103-65-1	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Sec-Butylbenzene	135-98-8	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Styrene	100-42-5	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	T-Butylbenzene	98-06-6	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Tert-Butyl Alcohol	75-65-0	NA	mg/kg	0.1 U	0.1 U		0.098 U	
8260	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg	0.0041 U	0.004 U		0.0039 U	
8260	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Tetrahydrofuran	109-99-9	NA	mg/kg	0.01 U	0.01 U		0.0098 U	
8260	Toluene	108-88-3	NA	mg/kg	0.0021 U	0.00084 U		0.002 U	
8260	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg	0.001 U	0.001 U		0.00098 U	
8260	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	mg/kg	0.0041 U	0.004 U		0.0039 U	
8260	Trichloroethylene (TCE)	79-01-6	NA	mg/kg	0.0021 U	0.002 U		0.002 U	
8260	Trichlorofluoromethane	75-69-4	NA	mg/kg	0.01 U	0.01 U		0.0098 U	
8260	Vinyl Chloride	75-01-4	NA	mg/kg	0.01 U	0.01 U		0.0098 U	
8270	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	1,2-Diphenylhydrazine	122-66-7	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	1-Methylnaphthalene	90-12-0	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.82 U	0.76 U	0.71 U	0.8 U	0.76 U
8270	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	2-Chlorophenol	95-57-8	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	2-Nitroaniline	88-74-4	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	2-Nitrophenol	88-75-5	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	3-Nitroaniline	99-09-2	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.82 U	0.76 U	0.71 U	0.8 U	0.76 U
8270	4-Chloroaniline	106-47-8	NA	mg/kg	0.82 U	0.76 U	0.71 U	0.8 U	0.76 U

				Location ID	TSA-SB-007	TSA-SB-007	TSA-SB-007	TSA-SB-007	TSA-SB-008
				Sample ID	TSA-SB-007-1.0-2.0	TSA-SB-007-10.0-11.0	TSA-SB-007-13.5-14.5	TSA-SB-007-5.0-6.0	TSA-SB-008-0.0-0.5
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J4228-03	22J4228-05	22J4228-06	22J4228-04	22J3936-01
				SDG	22J4228	22J4228	22J4228	22J3936	22J3936
				Sample Date	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/26/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8270	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	4-Nitroaniline	100-01-6	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	4-Nitrophenol	100-02-7	NA	mg/kg	0.82 U	0.76 U	0.71 U	0.8 U	0.76 U
8270	Acenaphthene	83-32-9	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Acenaphthylene	208-96-8	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Acetophenone	98-86-2	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Aniline	62-53-3	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Anthracene	120-12-7	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Benzidine	92-87-5	NA	mg/kg	0.82 U	0.76 U	0.71 U	0.8 U	0.76 U
8270	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.078 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.12 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Benzoic Acid	65-85-0	NA	mg/kg	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U
8270	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Carbazole	86-74-8	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Chrysene	218-01-9	NA	mg/kg	0.08 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Dibenzofuran	132-64-9	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Diethyl Phthalate	84-66-2	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Fluoranthene	206-44-0	NA	mg/kg	0.12 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Fluorene	86-73-7	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Hexachlorobenzene	118-74-1	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Hexachloroethane	67-72-1	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Isophorone	78-59-1	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Naphthalene	91-20-3	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Nitrobenzene	98-95-3	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	N-Nitrosodimethylamine	62-75-9	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Pentachloronitrobenzene	82-68-8	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Pentachlorophenol	87-86-5	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Phenanthrene	85-01-8	NA	mg/kg	0.21 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Phenol	108-95-2	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
8270	Pyrene	129-00-0	NA	mg/kg	0.13 U	0.19 U	0.18 U	0.21 U	0.2 U
8270	Pyridine	110-86-1	NA	mg/kg	0.42 U	0.39 U	0.37 U	0.41 U	0.39 U
SW8270	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/kg	21 U	3.4 U	3.6 U	3.5 U	17 U
A2540G	Solids, Percent		SOLID	%	80.5	87.2	92.5	82.9	86.2
E537(M)	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg	0.55 U	0.5 U		0.51 U	

				Location ID	TSA-SB-007	TSA-SB-007	TSA-SB-007	TSA-SB-007	TSA-SB-008
				Sample ID	TSA-SB-007-1.0-2.0	TSA-SB-007-10.0-11.0	TSA-SB-007-13.5-14.5	TSA-SB-007-5.0-6.0	TSA-SB-008-0.0-0.5
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J4228-03	22J4228-05	22J4228-06	22J4228-04	22J3936-01
				SDG	22J4228	22J4228	22J4228	22J3936	22J3936
				Sample Date	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/26/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluoro-1-butanedisulfonamide (FBSA)	30334-69-1	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorobutanedisulfonic acid (PFBS)	375-73-5	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorobutanoic Acid	375-22-4	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorodecanedisulfonic acid (PFDS)	335-77-3	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorononanesulfonic acid (PFNS)	68259-12-1	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg	0.55 U	0.5 U		0.32 U	
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg	0.55 U	0.5 U		0.27 U	
E537(M)	Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	NA	ug/kg	0.55 U	0.5 U		0.51 U	
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg	0.55 U	0.5 U		0.51 U	
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg	0.0255 U	0.023 U		0.0243 U	
SW8151	2,4-D (Dichlorophenoxy)acetic acid	94-75-7	T	mg/kg	0.0255 U	0.023 U		0.0243 U	
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg	0.0255 U	0.023 U		0.0243 U	
SW8151	Dalapon	75-99-0	T	mg/kg	0.0255 U	0.023 U		0.0243 U	
SW8151	Dicamba	1918-00-9	T	mg/kg	0.0255 U	0.023 U		0.0243 U	
SW8151	Dichloroprop	120-36-5	T	mg/kg	0.0255 U	0.023 U		0.0243 U	
SW8151	Dinoseb	88-85-7	T	mg/kg	0.0255 U	0.023 U		0.0243 U	
SW8151	MCPA	94-74-6	T	mg/kg	0.0255 U	0.023 U		0.0243 U	
SW8151	Mecoprop	93-65-2	T	mg/kg	0.0255 U	0.023 U		0.0243 U	
SW8151	Silvex (2,4,5-TP)	93-72-1	T	mg/kg	0.0255 U	0.023 U		0.0243 U	
SW8321	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					
SW8321	2,4-D (Dichlorophenoxy)acetic acid	94-75-7	T	mg/kg					
SW8321	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					
SW8321	Dalapon	75-99-0	T	mg/kg					
SW8321	Dicamba	1918-00-9	T	mg/kg					
SW8321	Dichloroprop	120-36-5	T	mg/kg					
SW8321	Dinoseb	88-85-7	T	mg/kg					
SW8321	MCPA	94-74-6	T	mg/kg					
SW8321	Mecoprop	93-65-2	T	mg/kg					
SW8321	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					
SW9014	Cyanide	57-12-5	T	mg/kg	0.59 U	0.56 U		0.6 U	
SW9071	Oil & Grease, Total Rec	OILGREASE	T	mg/kg	48.9 J	44.3 J		59.6 J	
SW9071	Total Petroleum Hydrocarbons - Non-Polar Material - Sgt Hem	TPHNONPOLAR	T	mg/kg					

			Location ID		TSA-SB-008	TSA-SB-008	TSA-SB-008	TSA-SB-008	TSA-SB-008
			Sample ID		TSA-SB-008-0.5-1.0	TSA-SB-008-1.0-2.0	TSA-SB-008-13.5-14.5	TSA-SB-008-24.0-25.0	TSA-SB-008-8.0-9.0
			Matrix		SO	SO	SO	SO	SO
			Lab Sample ID		22J3936-02	22J3936-03	22J3936-06	22J3936-07	22J3936-04
			SDG		22J3936	22J3936	22J3936	22J3936	22J3936
			Sample Date		10/26/2022	10/26/2022	10/26/2022	10/26/2022	10/26/2022
			Sample Type Code		N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
6010C	Aluminum	7429-90-5	NA	mg/kg	8000	13000	5000	7200	7500
6010C	Antimony	7440-36-0	NA	mg/kg	1.9 U	2 U	1.8 U	2.4 U	1.9 U
6010C	Arsenic	7440-38-2	NA	mg/kg	5.9	6.7	7.9	6.7	6.6
6010C	Arsenic	7440-38-2	TCLP	mg/l	0.05 U	0.05 U	0.016 J	0.022 J	0.05 U
6010C	Barium	7440-39-3	NA	mg/kg	93	190	40	85	63
6010C	Barium	7440-39-3	TCLP	mg/l	1.7	0.74	0.74	0.97	1.4
6010C	Beryllium	7440-41-7	NA	mg/kg	0.3	0.53	0.19	0.29	0.27
6010C	Boron	7440-42-8	NA	mg/kg	3.1 J	2.2 J	5.4	3.6 J	3.2 J
6010C	Cadmium	7440-43-9	NA	mg/kg	0.16 J	0.4 U	0.18 J	0.18 J	0.14 J
6010C	Cadmium	7440-43-9	TCLP	mg/l	0.0025 J	0.01 U	0.0022 J	0.0031 J	0.0026 J
6010C	Calcium	7440-70-2	NA	mg/kg	12000	2100	87000	17000	10000
6010C	Chromium, Total	7440-47-3	NA	mg/kg	9.7	14	8.6	9.6	9.8
6010C	Chromium, Total	7440-47-3	TCLP	mg/l	0.0039 J	0.05 U	0.05 U	0.0058 J	0.0029 J
6010C	Cobalt	7440-48-4	NA	mg/kg	6.1	8.7	4.2	5.4	6
6010C	Copper	7440-50-8	NA	mg/kg	19	14	20	30	26
6010C	Iron	7439-89-6	NA	mg/kg	20000	26000	15000	20000	21000
6010C	Lead	7439-92-1	NA	mg/kg	15	13	10	9.6	12
6010C	Lead	7439-92-1	TCLP	mg/l	0.0066 J	0.1 U	0.016 J	0.016 J	0.0058 J
6010C	Magnesium	7439-95-4	NA	mg/kg	8500	4000	36000	9100	9100
6010C	Manganese	7439-96-5	NA	mg/kg	450	690	460	700	490
6010C	Nickel	7440-02-0	NA	mg/kg	15	19	11	15	16
6010C	Potassium	7440-09-7	NA	mg/kg	640	820	670	900	690
6010C	Selenium	7782-49-2	NA	mg/kg	3.8 U	4 U	3.7 U	4.8 U	3.7 U
6010C	Selenium	7782-49-2	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Silver	7440-22-4	NA	mg/kg	0.38 U	0.4 U	0.37 U	0.48 U	0.37 U
6010C	Silver	7440-22-4	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Sodium	7440-23-5	NA	mg/kg	45 J	47 J	98 J	86 J	49 J
6010C	Thallium	7440-28-0	NA	mg/kg	1.9 U	2 U	1.8 U	2.4 U	1.9 U
6010C	Vanadium	7440-62-2	NA	mg/kg	12	17	7.9	12	12
6010C	Zinc	7440-66-6	NA	mg/kg	56	56	61 J	86	62
7471B	Mercury	7439-97-6	NA	mg/kg	0.026 J	0.054	0.02 J	0.032 J	0.025 J
7471B	Mercury	7439-97-6	TCLP	mg/l	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
8081B	Alachlor	15972-60-8	NA	mg/kg					
8081B	Aldrin	309-00-2	NA	mg/kg					
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg					
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg					
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg					
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg					
8081B	Chlordane	57-74-9	NA	mg/kg					
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg					
8081B	Dieldrin	60-57-1	NA	mg/kg					
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg					
8081B	Endrin	72-20-8	NA	mg/kg					
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg					
8081B	Endrin Ketone	53494-70-5	NA	mg/kg					
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg					
8081B	Heptachlor	76-44-8	NA	mg/kg					
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg					
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg					
8081B	Methoxychlor	72-43-5	NA	mg/kg					
8081B	P,P'-DDD	72-54-8	NA	mg/kg					
8081B	P,P'-DDE	72-55-9	NA	mg/kg					
8081B	P,P'-DDT	50-29-3	NA	mg/kg					
8081B	Toxaphene	8001-35-2	NA	mg/kg					
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg					
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg					

				Location ID	TSA-SB-008	TSA-SB-008	TSA-SB-008	TSA-SB-008	TSA-SB-008
				Sample ID	TSA-SB-008-0.5-1.0	TSA-SB-008-1.0-2.0	TSA-SB-008-13.5-14.5	TSA-SB-008-24.0-25.0	TSA-SB-008-8.0-9.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3936-02	22J3936-03	22J3936-06	22J3936-07	22J3936-04
				SDG	22J3936	22J3936	22J3936	22J3936	22J3936
				Sample Date	10/26/2022	10/26/2022	10/26/2022	10/26/2022	10/26/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg					
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg					
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg					
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg					
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg					
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg					
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg					
8260	1,1,1,2-Tetrachloroethane	630-20-6	NA	mg/kg					
8260	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg					
8260	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg					
8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg					
8260	1,1,2-Trichloroethane	79-00-5	NA	mg/kg					
8260	1,1-Dichloroethane	75-34-3	NA	mg/kg					
8260	1,1-Dichloroethene	75-35-4	NA	mg/kg					
8260	1,1-Dichloropropene	563-58-6	NA	mg/kg					
8260	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg					
8260	1,2,3-Trichloropropane	96-18-4	NA	mg/kg					
8260	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg					
8260	1,2,4-Trimethylbenzene	95-63-6	NA	mg/kg					
8260	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg					
8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg					
8260	1,2-Dichlorobenzene	95-50-1	NA	mg/kg					
8260	1,2-Dichloroethane	107-06-2	NA	mg/kg					
8260	1,2-Dichloropropane	78-87-5	NA	mg/kg					
8260	1,3,5-Trichlorobenzene	108-70-3	NA	mg/kg					
8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	mg/kg					
8260	1,3-Dichlorobenzene	541-73-1	NA	mg/kg					
8260	1,3-Dichloropropane	142-28-9	NA	mg/kg					
8260	1,4-Dichlorobenzene	106-46-7	NA	mg/kg					
8260	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg					
8260	2,2-Dichloropropane	594-20-7	NA	mg/kg					
8260	2-Chlorotoluene	95-49-8	NA	mg/kg					
8260	2-Hexanone	591-78-6	NA	mg/kg					
8260	2-Methoxy-2-Methylbutane	994-05-8	NA	mg/kg					
8260	4-Chlorotoluene	106-43-4	NA	mg/kg					
8260	Acetone	67-64-1	NA	mg/kg					
8260	Acrylonitrile	107-13-1	NA	mg/kg					
8260	Benzene	71-43-2	NA	mg/kg					
8260	Bromobenzene	108-86-1	NA	mg/kg					
8260	Bromochloromethane	74-97-5	NA	mg/kg					
8260	Bromodichloromethane	75-27-4	NA	mg/kg					
8260	Bromoform	75-25-2	NA	mg/kg					
8260	Bromomethane	74-83-9	NA	mg/kg					
8260	Carbon Disulfide	75-15-0	NA	mg/kg					
8260	Carbon Tetrachloride	56-23-5	NA	mg/kg					
8260	Chlorobenzene	108-90-7	NA	mg/kg					
8260	Chloroethane	75-00-3	NA	mg/kg					
8260	Chloroform	67-66-3	NA	mg/kg					
8260	Chloromethane	74-87-3	NA	mg/kg					
8260	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg					
8260	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg					
8260	Cymene	99-87-6	NA	mg/kg					
8260	Dibromochloromethane	124-48-1	NA	mg/kg					
8260	Dibromomethane	74-95-3	NA	mg/kg					
8260	Dichlorodifluoromethane	75-71-8	NA	mg/kg					
8260	Diethyl Ether (Ethyl Ether)	60-29-7	NA	mg/kg					

				Location ID	TSA-SB-008	TSA-SB-008	TSA-SB-008	TSA-SB-008	TSA-SB-008
				Sample ID	TSA-SB-008-0.5-1.0	TSA-SB-008-1.0-2.0	TSA-SB-008-13.5-14.5	TSA-SB-008-24.0-25.0	TSA-SB-008-8.0-9.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3936-02	22J3936-03	22J3936-06	22J3936-07	22J3936-04
				SDG	22J3936	22J3936	22J3936	22J3936	22J3936
				Sample Date	10/26/2022	10/26/2022	10/26/2022	10/26/2022	10/26/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8260	Ethyl Tert-Butyl Ether	637-92-3	NA	mg/kg					
8260	Ethylbenzene	100-41-4	NA	mg/kg					
8260	Hexachlorobutadiene	87-68-3	NA	mg/kg					
8260	Isopropyl Ether	108-20-3	NA	mg/kg					
8260	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg					
8260	m,p-Xylene	179601-23-1	NA	mg/kg					
8260	Methyl Acetate	79-20-9	NA	mg/kg					
8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg					
8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg					
8260	Methylcyclohexane	108-87-2	NA	mg/kg					
8260	Methylene Chloride	75-09-2	NA	mg/kg					
8260	Naphthalene	91-20-3	NA	mg/kg					
8260	N-Butylbenzene	104-51-8	NA	mg/kg					
8260	N-Propylbenzene	103-65-1	NA	mg/kg					
8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	mg/kg					
8260	Sec-Butylbenzene	135-98-8	NA	mg/kg					
8260	Styrene	100-42-5	NA	mg/kg					
8260	T-Butylbenzene	98-06-6	NA	mg/kg					
8260	Tert-Butyl Alcohol	75-65-0	NA	mg/kg					
8260	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg					
8260	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg					
8260	Tetrahydrofuran	109-99-9	NA	mg/kg					
8260	Toluene	108-88-3	NA	mg/kg					
8260	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg					
8260	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg					
8260	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	mg/kg					
8260	Trichloroethylene (TCE)	79-01-6	NA	mg/kg					
8260	Trichlorofluoromethane	75-69-4	NA	mg/kg					
8260	Vinyl Chloride	75-01-4	NA	mg/kg					
8270	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	1,2-Diphenylhydrazine	122-66-7	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	1-Methylnaphthalene	90-12-0	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ	0.19 UJ
8270	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.76 UJ	0.79 UJ	0.73 UJ	0.95 UJ	0.74 UJ
8270	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	2-Chlorophenol	95-57-8	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ	0.19 UJ
8270	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	2-Nitroaniline	88-74-4	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	2-Nitrophenol	88-75-5	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ	0.19 UJ
8270	3-Nitroaniline	99-09-2	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ	0.38 UJ
8270	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.76 UJ	0.79 UJ	0.73 UJ	0.95 UJ	0.74 UJ
8270	4-Chloroaniline	106-47-8	NA	mg/kg	0.76 UJ	0.79 UJ	0.73 UJ	0.95 UJ	0.74 UJ

		Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		TSA-SB-008 TSA-SB-008-0.5-1.0 SO 22J3936-02 22J3936 10/26/2022 N	TSA-SB-008 TSA-SB-008-1.0-2.0 SO 22J3936-03 22J3936 10/26/2022 N	TSA-SB-008 TSA-SB-008-13.5-14.5 SO 22J3936-06 22J3936 10/26/2022 N	TSA-SB-008 TSA-SB-008-24.0-25.0 SO 22J3936-07 22J3936 10/26/2022 N	TSA-SB-008 TSA-SB-008-8.0-9.0 SO 22J3936-04 22J3936 10/26/2022 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
8270	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	4-Nitroaniline	100-01-6	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	4-Nitrophenol	100-02-7	NA	mg/kg	0.76 UJ	0.79 UJ	0.73 UJ	0.95 UJ
8270	Acenaphthene	83-32-9	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Acenaphthylene	208-96-8	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Acetophenone	98-86-2	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Aniline	62-53-3	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Anthracene	120-12-7	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Benzidine	92-87-5	NA	mg/kg	0.76 UJ	0.79 UJ	0.73 UJ	0.95 UJ
8270	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Benzoic Acid	65-85-0	NA	mg/kg	1.2 UJ	1.2 UJ	1.1 UJ	1.4 UJ
8270	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Carbazole	86-74-8	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Chrysene	218-01-9	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Dibenzofuran	132-64-9	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Diethyl Phthalate	84-66-2	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Fluoranthene	206-44-0	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Fluorene	86-73-7	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Hexachlorobenzene	118-74-1	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Hexachloroethane	67-72-1	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Isophorone	78-59-1	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Naphthalene	91-20-3	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Nitrobenzene	98-95-3	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	N-Nitrosodimethylamine	62-75-9	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Pentachloronitrobenzene	82-68-8	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Pentachlorophenol	87-86-5	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Phenanthrene	85-01-8	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Phenol	108-95-2	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
8270	Pyrene	129-00-0	NA	mg/kg	0.2 UJ	0.2 UJ	0.19 UJ	0.24 UJ
8270	Pyridine	110-86-1	NA	mg/kg	0.39 UJ	0.41 UJ	0.37 UJ	0.49 UJ
SW8270	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/kg	3.7 U	3.6 U	3.5 U	4 U
A2540G	Solids, Percent	SOLID	NA	%	86.7	83.2	90.9	69.5
E537(M)	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg				
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg				
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg				
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg				
E537(M)	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg				
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg				
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg				

				Location ID	TSA-SB-008	TSA-SB-008	TSA-SB-008	TSA-SB-008	TSA-SB-008
				Sample ID	TSA-SB-008-0.5-1.0	TSA-SB-008-1.0-2.0	TSA-SB-008-13.5-14.5	TSA-SB-008-24.0-25.0	TSA-SB-008-8.0-9.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3936-02	22J3936-03	22J3936-06	22J3936-07	22J3936-04
				SDG	22J3936	22J3936	22J3936	22J3936	22J3936
				Sample Date	10/26/2022	10/26/2022	10/26/2022	10/26/2022	10/26/2022
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg					
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg					
E537(M)	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg					
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg					
E537(M)	Perfluoro-1-butanedisulfonamide (FBSA)	30334-69-1	NA	ug/kg					
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NA	ug/kg					
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg					
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg					
E537(M)	Perfluorobutanedisulfonic acid (PFBS)	375-73-5	NA	ug/kg					
E537(M)	Perfluorobutanoic Acid	375-22-4	NA	ug/kg					
E537(M)	Perfluorodecanedisulfonic acid (PFDS)	335-77-3	NA	ug/kg					
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg					
E537(M)	Perfluorodecanoic acid (PFDoA)	307-55-1	NA	ug/kg					
E537(M)	Perfluoroheptanedisulfonic acid (PFHpS)	375-92-8	NA	ug/kg					
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg					
E537(M)	Perfluorohexanedisulfonic acid (PFHxS)	355-46-4	NA	ug/kg					
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg					
E537(M)	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg					
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg					
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg					
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg					
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg					
E537(M)	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg					
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg					
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg					
E537(M)	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	NA	ug/kg					
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg					
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					
SW8151	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg					
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					
SW8151	Dalapon	75-99-0	T	mg/kg					
SW8151	Dicamba	1918-00-9	T	mg/kg					
SW8151	Dichloroprop	120-36-5	T	mg/kg					
SW8151	Dinoseb	88-85-7	T	mg/kg					
SW8151	MCPA	94-74-6	T	mg/kg					
SW8151	Mecoprop	93-65-2	T	mg/kg					
SW8151	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					
SW8321	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					
SW8321	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg					
SW8321	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					
SW8321	Dalapon	75-99-0	T	mg/kg					
SW8321	Dicamba	1918-00-9	T	mg/kg					
SW8321	Dichloroprop	120-36-5	T	mg/kg					
SW8321	Dinoseb	88-85-7	T	mg/kg					
SW8321	MCPA	94-74-6	T	mg/kg					
SW8321	Mecoprop	93-65-2	T	mg/kg					
SW8321	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					
SW9014	Cyanide	57-12-5	T	mg/kg					
SW9071	Oil & Grease, Total Rec	OILGREASE	T	mg/kg					
SW9071	Total Petroleum Hydrocarbons - Non-Polar Material - Sgt Hem	TPHNONPOLAR	T	mg/kg					

			Location ID		TSA-SB-008	TSA-SS-001	TSA-SS-002	TSA-SS-002	TSA-SS-003
			Sample ID		TSA-SB-008-8.0-9.0-D	TSA-SS-001-0.0-0.166	TSA-SS-002-0.0-0.166	TSA-SS-002-0.0-0.166- D	TSA-SS-003-0.0-0.166
			Matrix		SO	SO	SO	SO	SO
			Lab Sample ID		22J3936-05	22J3315-03	22J3127-02	22J3127-03	22J3315-01
			SDG		22J3936	22J3315	22J3127	22J3315	22J3315
			Sample Date		10/26/2022	10/21/2022	10/20/2022	10/20/2022	10/21/2022
			Sample Type Code		FD	N	N	FD	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
6010C	Aluminum	7429-90-5	NA	mg/kg	7700	9500	8100	7900	7500
6010C	Antimony	7440-36-0	NA	mg/kg	1.9 U	2.3 U	2 UJ	2 UJ	2 UJ
6010C	Arsenic	7440-38-2	NA	mg/kg	7.1	6.3	8.4	8.1	6.3
6010C	Arsenic	7440-38-2	TCLP	mg/l	0.05 U	0.05 U	0.0052 J	0.05 U	0.05 U
6010C	Barium	7440-39-3	NA	mg/kg	70	110	95	90	79
6010C	Barium	7440-39-3	TCLP	mg/l	0.85	0.53	0.62	0.62	0.57
6010C	Beryllium	7440-41-7	NA	mg/kg	0.29	0.6	0.36	0.35	0.42
6010C	Boron	7440-42-8	NA	mg/kg	3.1 J	4.1 J	4.3 J	4 J	3.6 J
6010C	Cadmium	7440-43-9	NA	mg/kg	0.16 J	0.34 J	0.84	0.81	0.23 J
6010C	Cadmium	7440-43-9	TCLP	mg/l	0.0017 J	0.0022 J	0.0034 J	0.0035 J	0.003 J
6010C	Calcium	7440-70-2	NA	mg/kg	11000	3400	8200	7800	5900
6010C	Chromium, Total	7440-47-3	NA	mg/kg	10	13	11	11	11
6010C	Chromium, Total	7440-47-3	TCLP	mg/l	0.0029 J	0.005 J	0.05 U	0.05 U	0.0026 J
6010C	Cobalt	7440-48-4	NA	mg/kg	6.1	7.8	6	5.8	6.5
6010C	Copper	7440-50-8	NA	mg/kg	25	26	26	27	17
6010C	Iron	7439-89-6	NA	mg/kg	19000	21000	15000	15000	19000
6010C	Lead	7439-92-1	NA	mg/kg	14	120	100	90	38
6010C	Lead	7439-92-1	TCLP	mg/l	0.0072 J	0.054 J	0.013 J	0.021 J	0.1 U
6010C	Magnesium	7439-95-4	NA	mg/kg	9800	2800	5000	4800	4300
6010C	Manganese	7439-96-5	NA	mg/kg	550	510	520	510	430
6010C	Nickel	7440-02-0	NA	mg/kg	16	17	14	14	14
6010C	Potassium	7440-09-7	NA	mg/kg	730	1300	1000	1000	1000
6010C	Selenium	7782-49-2	NA	mg/kg	3.8 U	4.5 U	4.1 U	4 U	4.1 U
6010C	Selenium	7782-49-2	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Silver	7440-22-4	NA	mg/kg	0.38 U	0.45 U	0.41 U	0.4 U	0.41 U
6010C	Silver	7440-22-4	TCLP	mg/l	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
6010C	Sodium	7440-23-5	NA	mg/kg	52 J	78 J	70 J	70 J	41 J
6010C	Thallium	7440-28-0	NA	mg/kg	1.9 U	2.3 U	2 U	2 U	2 U
6010C	Vanadium	7440-62-2	NA	mg/kg	13	17	14	13	13
6010C	Zinc	7440-66-6	NA	mg/kg	62	110	140	140	75
7471B	Mercury	7439-97-6	NA	mg/kg	0.024 J	0.076	0.056	0.069	0.044
7471B	Mercury	7439-97-6	TCLP	mg/l	0.0001 U	0.0001 U	0.000092 J	0.000042 J	0.0001 U
8081B	Alachlor	15972-60-8	NA	mg/kg			0.12 U	0.12 U	
8081B	Aldrin	309-00-2	NA	mg/kg			0.031 U	0.031 U	
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg			0.031 U	0.031 U	
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg			0.031 U	0.031 U	
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg			0.031 U	0.031 U	
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg			0.05 U	0.049 U	
8081B	Chlordane	57-74-9	NA	mg/kg			0.085 J	0.055 J	
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg			0.031 U	0.031 U	
8081B	Dieldrin	60-57-1	NA	mg/kg			0.025 U	0.025 U	
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg			0.05 U	0.049 U	
8081B	Endrin	72-20-8	NA	mg/kg			0.05 U	0.049 U	
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg			0.05 U	0.049 U	
8081B	Endrin Ketone	53494-70-5	NA	mg/kg			0.05 U	0.049 U	
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg			0.012 U	0.012 U	
8081B	Heptachlor	76-44-8	NA	mg/kg			0.031 U	0.031 U	
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg			0.0028 J	0.031 U	
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg			0.037 U	0.037 U	
8081B	Methoxychlor	72-43-5	NA	mg/kg			0.31 U	0.31 U	
8081B	P,P'-DDD	72-54-8	NA	mg/kg			0.025 U	0.025 U	
8081B	P,P'-DDE	72-55-9	NA	mg/kg			0.006 JN	0.005 JN	
8081B	P,P'-DDT	50-29-3	NA	mg/kg			0.0045 J	0.0038 J	
8081B	Toxaphene	8001-35-2	NA	mg/kg			0.62 U	0.62 U	
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg			0.099 U	0.098 U	
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg			0.099 U	0.098 U	

				Location ID	TSA-SB-008	TSA-SS-001	TSA-SS-002	TSA-SS-002	TSA-SS-003
				Sample ID	TSA-SB-008-8.0-9.0-D	TSA-SS-001-0.0-0.166	TSA-SS-002-0.0-0.166	TSA-SS-002-0.0-0.166- D	TSA-SS-003-0.0-0.166
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3936-05	22J3315-03	22J3127-02	22J3127-03	22J3315-01
				SDG	22J3936	22J3315	22J3127	22J3315	22J3315
				Sample Date	10/26/2022	10/21/2022	10/20/2022	10/20/2022	10/21/2022
				Sample Type Code	FD	N	N	FD	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg			0.099 U	0.098 U	
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg			0.099 U	0.098 U	
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg			0.099 U	0.098 U	
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg			0.099 U	0.098 U	
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg			0.099 U	0.098 U	
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg			0.099 U	0.098 U	
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg			0.099 U	0.098 U	
8260	1,1,1,2-Tetrachloroethane	630-20-6	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg			0.0013 U	0.0013 U	
8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg			0.013 U	0.013 U	
8260	1,1,2-Trichloroethane	79-00-5	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,1-Dichloroethane	75-34-3	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,1-Dichloroethene	75-35-4	NA	mg/kg			0.0052 U	0.0051 U	
8260	1,1-Dichloropropene	563-58-6	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,2,3-Trichloropropane	96-18-4	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,2,4-Trimethylbenzene	95-63-6	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg			0.0052 U	0.0051 U	
8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg			0.0013 U	0.0013 U	
8260	1,2-Dichlorobenzene	95-50-1	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,2-Dichloroethane	107-06-2	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,2-Dichloropropane	78-87-5	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,3,5-Trichlorobenzene	108-70-3	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,3-Dichlorobenzene	541-73-1	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,3-Dichloropropane	142-28-9	NA	mg/kg			0.0013 U	0.0013 U	
8260	1,4-Dichlorobenzene	106-46-7	NA	mg/kg			0.0026 U	0.0026 U	
8260	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg			0.13 U	0.13 U	
8260	2,2-Dichloropropane	594-20-7	NA	mg/kg			0.0026 U	0.0026 U	
8260	2-Chlorotoluene	95-49-8	NA	mg/kg			0.0026 U	0.0026 U	
8260	2-Hexanone	591-78-6	NA	mg/kg			0.026 U	0.026 U	
8260	2-Methoxy-2-Methylbutane	994-05-8	NA	mg/kg			0.0013 U	0.0013 U	
8260	4-Chlorotoluene	106-43-4	NA	mg/kg			0.0026 U	0.0026 U	
8260	Acetone	67-64-1	NA	mg/kg			0.11 U	0.088 U	
8260	Acrylonitrile	107-13-1	NA	mg/kg			0.0077 UJ	0.0077 UJ	
8260	Benzene	71-43-2	NA	mg/kg			0.0026 U	0.0026 U	
8260	Bromobenzene	108-86-1	NA	mg/kg			0.0026 U	0.0026 U	
8260	Bromochloromethane	74-97-5	NA	mg/kg			0.0026 U	0.0026 U	
8260	Bromodichloromethane	75-27-4	NA	mg/kg			0.0026 U	0.0026 U	
8260	Bromoform	75-25-2	NA	mg/kg			0.0026 U	0.0026 U	
8260	Bromomethane	74-83-9	NA	mg/kg			0.013 U	0.013 U	
8260	Carbon Disulfide	75-15-0	NA	mg/kg			0.013 UJ	0.013 U	
8260	Carbon Tetrachloride	56-23-5	NA	mg/kg			0.0026 U	0.0026 U	
8260	Chlorobenzene	108-90-7	NA	mg/kg			0.0026 U	0.0026 U	
8260	Chloroethane	75-00-3	NA	mg/kg			0.026 U	0.026 U	
8260	Chloroform	67-66-3	NA	mg/kg			0.0052 U	0.0051 U	
8260	Chloromethane	74-87-3	NA	mg/kg			0.013 UJ	0.013 UJ	
8260	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg			0.0026 U	0.0026 U	
8260	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg			0.0013 U	0.0013 U	
8260	Cymene	99-87-6	NA	mg/kg			0.0026 U	0.0026 U	
8260	Dibromochloromethane	124-48-1	NA	mg/kg			0.0013 U	0.0013 U	
8260	Dibromomethane	74-95-3	NA	mg/kg			0.0026 U	0.0026 U	
8260	Dichlorodifluoromethane	75-71-8	NA	mg/kg			0.026 U	0.026 U	
8260	Diethyl Ether (Ethyl Ether)	60-29-7	NA	mg/kg			0.026 U	0.026 U	

				Location ID	TSA-SB-008	TSA-SS-001	TSA-SS-002	TSA-SS-002	TSA-SS-003
				Sample ID	TSA-SB-008-8.0-9.0-D	TSA-SS-001-0.0-0.166	TSA-SS-002-0.0-0.166	TSA-SS-002-0.0-0.166- D	TSA-SS-003-0.0-0.166
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3936-05	22J3315-03	22J3127-02	22J3127-03	22J3315-01
				SDG	22J3936	22J3315	22J3127	22J3315	22J3315
				Sample Date	10/26/2022	10/21/2022	10/20/2022	10/20/2022	10/21/2022
				Sample Type Code	FD	N	N	FD	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8260	Ethyl Tert-Butyl Ether	637-92-3	NA	mg/kg			0.0013 U	0.0013 U	
8260	Ethylbenzene	100-41-4	NA	mg/kg			0.0026 U	0.0026 U	
8260	Hexachlorobutadiene	87-68-3	NA	mg/kg			0.0026 UJ	0.0026 UJ	
8260	Isopropyl Ether	108-20-3	NA	mg/kg			0.0013 U	0.0013 U	
8260	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg			0.0026 U	0.0026 U	
8260	m,p-Xylene	179601-23-1	NA	mg/kg			0.0052 U	0.0051 U	
8260	Methyl Acetate	79-20-9	NA	mg/kg			0.0026 U	0.0026 U	
8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg			0.012 J	0.0083 J	
8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg			0.026 U	0.026 U	
8260	Methylcyclohexane	108-87-2	NA	mg/kg			0.0026 U	0.0026 U	
8260	Methylene Chloride	75-09-2	NA	mg/kg			0.026 UJ	0.026 UJ	
8260	Naphthalene	91-20-3	NA	mg/kg			0.0052 U	0.0051 U	
8260	N-Butylbenzene	104-51-8	NA	mg/kg			0.0026 U	0.0026 U	
8260	N-Propylbenzene	103-65-1	NA	mg/kg			0.0026 U	0.0026 U	
8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	mg/kg			0.0026 U	0.0026 U	
8260	Sec-Butylbenzene	135-98-8	NA	mg/kg			0.0026 U	0.0026 U	
8260	Styrene	100-42-5	NA	mg/kg			0.0026 U	0.0026 U	
8260	T-Butylbenzene	98-06-6	NA	mg/kg			0.0026 U	0.0026 U	
8260	Tert-Butyl Alcohol	75-65-0	NA	mg/kg			0.13 U	0.13 U	
8260	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg			0.0052 U	0.0051 U	
8260	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg			0.0026 U	0.0026 U	
8260	Tetrahydrofuran	109-99-9	NA	mg/kg			0.013 U	0.013 U	
8260	Toluene	108-88-3	NA	mg/kg			0.0011 J	0.0009 J	
8260	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg			0.0026 U	0.0026 U	
8260	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg			0.0013 U	0.0013 U	
8260	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	mg/kg			0.0052 U	0.0051 U	
8260	Trichloroethylene (TCE)	79-01-6	NA	mg/kg			0.0026 U	0.0026 U	
8260	Trichlorofluoromethane	75-69-4	NA	mg/kg			0.013 U	0.013 U	
8260	Vinyl Chloride	75-01-4	NA	mg/kg			0.013 U	0.013 U	
8270	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	1,2-Diphenylhydrazine	122-66-7	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	1-Methylnaphthalene	90-12-0	NA	mg/kg	0.19 UJ	0.23 U	0.21 U	0.21 U	0.21 U
8270	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.38 UJ	0.47 U	0.42 UJ	0.42 U	0.42 U
8270	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.75 UJ	0.91 U	0.82 UJ	0.81 U	0.82 U
8270	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	2-Chlorophenol	95-57-8	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.19 UJ	0.23 U	0.21 U	0.21 U	0.21 U
8270	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.38 UJ	0.47 U	0.42 UJ	0.42 U	0.42 U
8270	2-Nitroaniline	88-74-4	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	2-Nitrophenol	88-75-5	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.19 UJ	0.23 U	0.21 UJ	0.21 U	0.21 UJ
8270	3-Nitroaniline	99-09-2	NA	mg/kg	0.38 UJ	0.47 U	0.42 UJ	0.42 U	0.42 U
8270	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U	0.42 U
8270	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.75 UJ	0.91 U	0.82 U	0.81 U	0.82 U
8270	4-Chloroaniline	106-47-8	NA	mg/kg	0.75 UJ	0.91 U	0.82 UJ	0.81 U	0.82 UJ

			Location ID	TSA-SB-008	TSA-SS-001	TSA-SS-002	TSA-SS-002	TSA-SS-003
			Sample ID	TSA-SB-008-8.0-9.0-D	TSA-SS-001-0.0-0.166	TSA-SS-002-0.0-0.166	TSA-SS-002-0.0-0.166- D	TSA-SS-003-0.0-0.166
			Matrix	SO	SO	SO	SO	SO
			Lab Sample ID	22J3936-05	22J3315-03	22J3127-02	22J3127-03	22J3315-01
			SDG	22J3936	22J3315	22J3127	22J3127	22J3315
			Sample Date	10/26/2022	10/21/2022	10/20/2022	10/20/2022	10/21/2022
			Sample Type Code	FD	N	N	FD	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
8270	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	4-Nitroaniline	100-01-6	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	4-Nitrophenol	100-02-7	NA	mg/kg	0.75 UJ	0.91 U	0.82 U	0.82 U
8270	Acenaphthene	83-32-9	NA	mg/kg	0.19 UJ	0.23 U	0.21 U	0.21 U
8270	Acenaphthylene	208-96-8	NA	mg/kg	0.19 UJ	0.23 U	0.21 U	0.21 U
8270	Acetophenone	98-86-2	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Aniline	62-53-3	NA	mg/kg	0.38 UJ	0.47 UJ	0.42 UJ	0.42 UJ
8270	Anthracene	120-12-7	NA	mg/kg	0.19 UJ	0.23 U	0.21 U	0.21 U
8270	Benzidine	92-87-5	NA	mg/kg	0.75 UJ	0.91 UJ	0.82 UJ	0.82 UJ
8270	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.19 UJ	0.14 J	0.21 U	0.21 U
8270	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.19 UJ	0.16 J	0.21 U	0.21 U
8270	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.19 UJ	0.25	0.094 J	0.09 J
8270	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.19 UJ	0.11 J	0.21 U	0.21 U
8270	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.19 UJ	0.08 J	0.21 U	0.21 U
8270	Benzoic Acid	65-85-0	NA	mg/kg	1.1 UJ	1.4 UJ	1.2 U	1.2 UJ
8270	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.38 UJ	0.47 UJ	0.42 U	0.42 UJ
8270	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Carbazole	86-74-8	NA	mg/kg	0.19 UJ	0.23 U	0.21 U	0.21 U
8270	Chrysene	218-01-9	NA	mg/kg	0.19 UJ	0.18 J	0.083 J	0.21 U
8270	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.19 UJ	0.23 U	0.21 U	0.21 U
8270	Dibenzofuran	132-64-9	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Diethyl Phthalate	84-66-2	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Fluoranthene	206-44-0	NA	mg/kg	0.19 UJ	0.31	0.12 J	0.11 J
8270	Fluorene	86-73-7	NA	mg/kg	0.19 UJ	0.23 U	0.21 U	0.21 U
8270	Hexachlorobenzene	118-74-1	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.38 UJ	0.47 UJ	0.42 UJ	0.42 UJ
8270	Hexachloroethane	67-72-1	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.19 UJ	0.11 J	0.21 U	0.21 U
8270	Isophorone	78-59-1	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Naphthalene	91-20-3	NA	mg/kg	0.19 UJ	0.23 U	0.21 U	0.21 U
8270	Nitrobenzene	98-95-3	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	N-Nitrosodimethylamine	62-75-9	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Pentachloronitrobenzene	82-68-8	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Pentachlorophenol	87-86-5	NA	mg/kg	0.38 UJ	0.47 U	0.42 UJ	0.42 UJ
8270	Phenanthrene	85-01-8	NA	mg/kg	0.19 UJ	0.16 J	0.21 U	0.21 U
8270	Phenol	108-95-2	NA	mg/kg	0.38 UJ	0.47 U	0.42 U	0.42 U
8270	Pyrene	129-00-0	NA	mg/kg	0.19 UJ	0.32	0.13 J	0.11 J
8270	Pyridine	110-86-1	NA	mg/kg	0.38 UJ	0.47 U	0.42 UJ	0.42 UJ
SW8270	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/kg	3.3 U		18 U	
A2540G	Solids, Percent		SOLID	%	88.4	72.8	80.7	80.3
E537(M)	11-Chloroeicosfluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg			0.52 U	0.55 U
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg			0.52 U	0.55 U
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg			0.52 U	0.55 U
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg			0.52 U	0.55 U
E537(M)	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg			0.52 U	0.55 U
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg			0.52 U	0.55 U
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg			0.52 U	0.55 U

				Location ID	TSA-SB-008	TSA-SS-001	TSA-SS-002	TSA-SS-002	TSA-SS-003
				Sample ID	TSA-SB-008-8.0-9.0-D	TSA-SS-001-0.0-0.166	TSA-SS-002-0.0-0.166	TSA-SS-002-0.0-0.166- D	TSA-SS-003-0.0-0.166
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	22J3936-05	22J3315-03	22J3127-02	22J3127-03	22J3315-01
				SDG	22J3936	22J3315	22J3127	22J3127	22J3315
				Sample Date	10/26/2022	10/21/2022	10/20/2022	10/20/2022	10/21/2022
				Sample Type Code	FD	N	N	FD	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			0.52 U	0.55 U	
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluoro-1-butanedisulfonamide (FBSA)	30334-69-1	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorononanesulfonic acid (PFNS)	68259-12-1	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			0.6	0.58	
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			0.26 J	0.26 J	
E537(M)	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			0.52 UJ	0.55 UJ	
E537(M)	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	NA	ug/kg			0.52 U	0.55 U	
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			0.52 U	0.55 U	
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg			0.0000247 U	0.0000247 U	
SW8151	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg			0.0000247 U	0.00000812 J	
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg			0.0000247 U	0.0000247 U	
SW8151	Dalapon	75-99-0	T	mg/kg			0.0000247 U	0.0000247 U	
SW8151	Dicamba	1918-00-9	T	mg/kg			0.0000247 U	0.0000247 U	
SW8151	Dichloroprop	120-36-5	T	mg/kg			0.0000247 U	0.0000247 U	
SW8151	Dinoseb	88-85-7	T	mg/kg			0.0000247 U	0.0000247 U	
SW8151	MCPA	94-74-6	T	mg/kg			0.0000247 U	0.0000247 U	
SW8151	Mecoprop	93-65-2	T	mg/kg			0.0000247 U	0.0000247 U	
SW8151	Silvex (2,4,5-TP)	93-72-1	T	mg/kg			0.0000247 U	0.0000247 U	
SW8321	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg					
SW8321	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	mg/kg					
SW8321	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg					
SW8321	Dalapon	75-99-0	T	mg/kg					
SW8321	Dicamba	1918-00-9	T	mg/kg					
SW8321	Dichloroprop	120-36-5	T	mg/kg					
SW8321	Dinoseb	88-85-7	T	mg/kg					
SW8321	MCPA	94-74-6	T	mg/kg					
SW8321	Mecoprop	93-65-2	T	mg/kg					
SW8321	Silvex (2,4,5-TP)	93-72-1	T	mg/kg					
SW9014	Cyanide	57-12-5	T	mg/kg			0.39 J	0.4 J	
SW9071	Oil & Grease, Total Rec	OILGREASE	T	mg/kg					
SW9071	Total Petroleum Hydrocarbons - Non-Polar Material - Sgt Hem	TPHNONPOLAR	T	mg/kg			182 J	257	

					Location ID	TSA-SS-004	TSA-TP-01
					Sample ID	TSA-SS-004-0.0-0.166	TSA-TP-01-2.0-2.5
					Matrix	SO	SO
					Lab Sample ID	22J3315-02	22J3127-01
					SDG	22J3315	22J3127
					Sample Date	10/21/2022	10/19/2022
					Sample Type Code	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit			
6010C	Aluminum	7429-90-5	NA	mg/kg	6900		8700
6010C	Antimony	7440-36-0	NA	mg/kg	1.9 U		2 UJ
6010C	Arsenic	7440-38-2	NA	mg/kg	3.1 J		6.8
6010C	Arsenic	7440-38-2	TCPL	mg/l	0.05 U		0.0052 J
6010C	Barium	7440-39-3	NA	mg/kg	73		87
6010C	Barium	7440-39-3	TCPL	mg/l	0.23 J		0.55
6010C	Beryllium	7440-41-7	NA	mg/kg	0.4		0.42
6010C	Boron	7440-42-8	NA	mg/kg	2 J		2.2 J
6010C	Cadmium	7440-43-9	NA	mg/kg	0.39 U		0.33 J
6010C	Cadmium	7440-43-9	TCPL	mg/l	0.0013 J		0.0012 J
6010C	Calcium	7440-70-2	NA	mg/kg	1800		7000
6010C	Chromium, Total	7440-47-3	NA	mg/kg	9.3		11
6010C	Chromium, Total	7440-47-3	TCPL	mg/l	0.0046 J		0.05 U
6010C	Cobalt	7440-48-4	NA	mg/kg	6.3		6.3
6010C	Copper	7440-50-8	NA	mg/kg	10		39
6010C	Iron	7439-89-6	NA	mg/kg	16000		16000
6010C	Lead	7439-92-1	NA	mg/kg	15		64
6010C	Lead	7439-92-1	TCPL	mg/l	0.011 J		0.0097 J
6010C	Magnesium	7439-95-4	NA	mg/kg	2000		2500
6010C	Manganese	7439-96-5	NA	mg/kg	380		370
6010C	Nickel	7440-02-0	NA	mg/kg	13		15
6010C	Potassium	7440-09-7	NA	mg/kg	980		700
6010C	Selenium	7782-49-2	NA	mg/kg	3.9 U		3.9 U
6010C	Selenium	7782-49-2	TCPL	mg/l	0.05 U		0.05 U
6010C	Silver	7440-22-4	NA	mg/kg	0.39 U		0.39 U
6010C	Silver	7440-22-4	TCPL	mg/l	0.05 U		0.05 U
6010C	Sodium	7440-23-5	NA	mg/kg	81 J		250
6010C	Thallium	7440-28-0	NA	mg/kg	1.9 U		2 U
6010C	Vanadium	7440-62-2	NA	mg/kg	11		15
6010C	Zinc	7440-66-6	NA	mg/kg	49		69
7471B	Mercury	7439-97-6	NA	mg/kg	0.026 J		0.06
7471B	Mercury	7439-97-6	TCPL	mg/l	0.0001 U		0.00011
8081B	Alachlor	15972-60-8	NA	mg/kg			
8081B	Aldrin	309-00-2	NA	mg/kg			
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg			
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg			
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg			
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg			
8081B	Chlordane	57-74-9	NA	mg/kg			
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg			
8081B	Dieldrin	60-57-1	NA	mg/kg			
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg			
8081B	Endrin	72-20-8	NA	mg/kg			
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg			
8081B	Endrin Ketone	53494-70-5	NA	mg/kg			
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg			
8081B	Heptachlor	76-44-8	NA	mg/kg			
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg			
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg			
8081B	Methoxychlor	72-43-5	NA	mg/kg			
8081B	P,P'-DDD	72-54-8	NA	mg/kg			
8081B	P,P'-DDE	72-55-9	NA	mg/kg			
8081B	P,P'-DDT	50-29-3	NA	mg/kg			
8081B	Toxaphene	8001-35-2	NA	mg/kg			
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg			
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg			

			Location ID	TSA-SS-004		TSA-TP-01	
			Sample ID	TSA-SS-004-0.0-0.166		TSA-TP-01-2.0-2.5	
			Matrix	SO		SO	
			Lab Sample ID	22J3315-02		22J3127-01	
			SDG	22J3315		22J3127	
			Sample Date	10/21/2022		10/19/2022	
			Sample Type Code	N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit			
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg			
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg			
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg			
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg			
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg			
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg			
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg			
8260	1,1,1,2-Tetrachloroethane	630-20-6	NA	mg/kg			
8260	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg			
8260	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg			
8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg			
8260	1,1,2-Trichloroethane	79-00-5	NA	mg/kg			
8260	1,1-Dichloroethane	75-34-3	NA	mg/kg			
8260	1,1-Dichloroethene	75-35-4	NA	mg/kg			
8260	1,1-Dichloropropene	563-58-6	NA	mg/kg			
8260	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg			
8260	1,2,3-Trichloropropane	96-18-4	NA	mg/kg			
8260	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg			
8260	1,2,4-Trimethylbenzene	95-63-6	NA	mg/kg			
8260	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg			
8260	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg			
8260	1,2-Dichlorobenzene	95-50-1	NA	mg/kg			
8260	1,2-Dichloroethane	107-06-2	NA	mg/kg			
8260	1,2-Dichloropropane	78-87-5	NA	mg/kg			
8260	1,3,5-Trichlorobenzene	108-70-3	NA	mg/kg			
8260	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	mg/kg			
8260	1,3-Dichlorobenzene	541-73-1	NA	mg/kg			
8260	1,3-Dichloropropane	142-28-9	NA	mg/kg			
8260	1,4-Dichlorobenzene	106-46-7	NA	mg/kg			
8260	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg			
8260	2,2-Dichloropropane	594-20-7	NA	mg/kg			
8260	2-Chlorotoluene	95-49-8	NA	mg/kg			
8260	2-Hexanone	591-78-6	NA	mg/kg			
8260	2-Methoxy-2-Methylbutane	994-05-8	NA	mg/kg			
8260	4-Chlorotoluene	106-43-4	NA	mg/kg			
8260	Acetone	67-64-1	NA	mg/kg			
8260	Acrylonitrile	107-13-1	NA	mg/kg			
8260	Benzene	71-43-2	NA	mg/kg			
8260	Bromobenzene	108-86-1	NA	mg/kg			
8260	Bromochloromethane	74-97-5	NA	mg/kg			
8260	Bromodichloromethane	75-27-4	NA	mg/kg			
8260	Bromoform	75-25-2	NA	mg/kg			
8260	Bromomethane	74-83-9	NA	mg/kg			
8260	Carbon Disulfide	75-15-0	NA	mg/kg			
8260	Carbon Tetrachloride	56-23-5	NA	mg/kg			
8260	Chlorobenzene	108-90-7	NA	mg/kg			
8260	Chloroethane	75-00-3	NA	mg/kg			
8260	Chloroform	67-66-3	NA	mg/kg			
8260	Chloromethane	74-87-3	NA	mg/kg			
8260	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg			
8260	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg			
8260	Cymene	99-87-6	NA	mg/kg			
8260	Dibromochloromethane	124-48-1	NA	mg/kg			
8260	Dibromomethane	74-95-3	NA	mg/kg			
8260	Dichlorodifluoromethane	75-71-8	NA	mg/kg			
8260	Diethyl Ether (Ethyl Ether)	60-29-7	NA	mg/kg			

					Location ID	TSA-SS-004	TSA-TP-01
					Sample ID	TSA-SS-004-0.0-0.166	TSA-TP-01-2.0-2.5
					Matrix	SO	SO
					Lab Sample ID	22J3315-02	22J3127-01
					SDG	22J3315	22J3127
					Sample Date	10/21/2022	10/19/2022
					Sample Type Code	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit			
8260	Ethyl Tert-Butyl Ether	637-92-3	NA	mg/kg			
8260	Ethylbenzene	100-41-4	NA	mg/kg			
8260	Hexachlorobutadiene	87-68-3	NA	mg/kg			
8260	Isopropyl Ether	108-20-3	NA	mg/kg			
8260	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg			
8260	m,p-Xylene	179601-23-1	NA	mg/kg			
8260	Methyl Acetate	79-20-9	NA	mg/kg			
8260	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg			
8260	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg			
8260	Methylcyclohexane	108-87-2	NA	mg/kg			
8260	Methylene Chloride	75-09-2	NA	mg/kg			
8260	Naphthalene	91-20-3	NA	mg/kg			
8260	N-Butylbenzene	104-51-8	NA	mg/kg			
8260	N-Propylbenzene	103-65-1	NA	mg/kg			
8260	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	mg/kg			
8260	Sec-Butylbenzene	135-98-8	NA	mg/kg			
8260	Styrene	100-42-5	NA	mg/kg			
8260	T-Butylbenzene	98-06-6	NA	mg/kg			
8260	Tert-Butyl Alcohol	75-65-0	NA	mg/kg			
8260	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg			
8260	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg			
8260	Tetrahydrofuran	109-99-9	NA	mg/kg			
8260	Toluene	108-88-3	NA	mg/kg			
8260	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg			
8260	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg			
8260	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	mg/kg			
8260	Trichloroethylene (TCE)	79-01-6	NA	mg/kg			
8260	Trichlorofluoromethane	75-69-4	NA	mg/kg			
8260	Vinyl Chloride	75-01-4	NA	mg/kg			
8270	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.4 U		0.42 U
8270	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.4 U		0.42 U
8270	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.4 U		0.42 U
8270	1,2-Diphenylhydrazine	122-66-7	NA	mg/kg	0.4 U		0.42 U
8270	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.4 U		0.42 U
8270	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.4 U		0.42 U
8270	1-Methylnaphthalene	90-12-0	NA	mg/kg	0.2 U		0.11 J
8270	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.4 U		0.42 U
8270	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.4 U		0.42 U
8270	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.4 U		0.42 U
8270	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.4 U		0.42 U
8270	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.78 U		0.81 U
8270	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.4 U		0.42 U
8270	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.4 U		0.42 U
8270	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.4 U		0.42 U
8270	2-Chlorophenol	95-57-8	NA	mg/kg	0.4 U		0.42 U
8270	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.2 U		0.13 J
8270	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.4 U		0.42 U
8270	2-Nitroaniline	88-74-4	NA	mg/kg	0.4 U		0.42 U
8270	2-Nitrophenol	88-75-5	NA	mg/kg	0.4 U		0.42 U
8270	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.4 U		0.42 U
8270	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.2 U		0.21 U
8270	3-Nitroaniline	99-09-2	NA	mg/kg	0.4 U		0.42 U
8270	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.4 U		0.42 U
8270	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.4 U		0.42 U
8270	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.78 U		0.81 U
8270	4-Chloroaniline	106-47-8	NA	mg/kg	0.78 U		0.81 U

				Location ID	TSA-SS-004	TSA-TP-01
				Sample ID	TSA-SS-004-0.0-0.166	TSA-TP-01-2.0-2.5
				Matrix	SO	SO
				Lab Sample ID	22J3315-02	22J3127-01
				SDG	22J3315	22J3127
				Sample Date	10/21/2022	10/19/2022
				Sample Type Code	N	N
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit		
8270	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.4 U	0.42 U
8270	4-Nitroaniline	100-01-6	NA	mg/kg	0.4 U	0.42 U
8270	4-Nitrophenol	100-02-7	NA	mg/kg	0.78 U	0.81 U
8270	Acenaphthene	83-32-9	NA	mg/kg	0.2 U	0.21 U
8270	Acenaphthylene	208-96-8	NA	mg/kg	0.2 U	0.21 U
8270	Acetophenone	98-86-2	NA	mg/kg	0.4 U	0.42 U
8270	Aniline	62-53-3	NA	mg/kg	0.4 UJ	0.42 UJ
8270	Anthracene	120-12-7	NA	mg/kg	0.2 U	0.21 U
8270	Benzidine	92-87-5	NA	mg/kg	0.78 UJ	0.81 UJ
8270	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.2 U	0.21 U
8270	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.2 U	0.21 J
8270	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.2 U	0.37
8270	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.2 U	0.15 J
8270	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.2 U	0.13 J
8270	Benzoic Acid	65-85-0	NA	mg/kg	1.2 UJ	1.2 U
8270	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.4 UJ	0.42 U
8270	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.4 U	0.42 U
8270	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.4 U	0.42 U
8270	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.4 U	0.42 U
8270	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.4 U	0.42 U
8270	Carbazole	86-74-8	NA	mg/kg	0.2 U	0.21 U
8270	Chrysene	218-01-9	NA	mg/kg	0.2 U	0.32
8270	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.2 U	0.21 U
8270	Dibenzofuran	132-64-9	NA	mg/kg	0.4 U	0.42 U
8270	Diethyl Phthalate	84-66-2	NA	mg/kg	0.4 U	0.42 U
8270	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.4 U	0.42 U
8270	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.4 U	0.42 U
8270	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.4 U	0.42 U
8270	Fluoranthene	206-44-0	NA	mg/kg	0.086 J	0.47
8270	Fluorene	86-73-7	NA	mg/kg	0.2 U	0.21 U
8270	Hexachlorobenzene	118-74-1	NA	mg/kg	0.4 U	0.42 U
8270	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.4 U	0.42 U
8270	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.4 UJ	0.42 U
8270	Hexachloroethane	67-72-1	NA	mg/kg	0.4 U	0.42 U
8270	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.2 U	0.16 J
8270	Isophorone	78-59-1	NA	mg/kg	0.4 U	0.42 U
8270	Naphthalene	91-20-3	NA	mg/kg	0.2 U	0.1 J
8270	Nitrobenzene	98-95-3	NA	mg/kg	0.4 U	0.42 U
8270	N-Nitrosodimethylamine	62-75-9	NA	mg/kg	0.4 U	0.42 U
8270	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.4 U	0.42 U
8270	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.4 U	0.42 U
8270	Pentachloronitrobenzene	82-68-8	NA	mg/kg	0.4 U	0.42 U
8270	Pentachlorophenol	87-86-5	NA	mg/kg	0.4 U	0.42 U
8270	Phenanthrene	85-01-8	NA	mg/kg	0.2 U	0.29
8270	Phenol	108-95-2	NA	mg/kg	0.4 U	0.42 U
8270	Pyrene	129-00-0	NA	mg/kg	0.2 U	0.45
8270	Pyridine	110-86-1	NA	mg/kg	0.4 U	0.42 U
SW8270	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/kg		18 U
A2540G	Solids, Percent		SOLID	%	84.1	81.8
E537(M)	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg		
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg		
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg		
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg		
E537(M)	4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg		
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg		
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg		

		Location ID		TSA-SS-004		TSA-TP-01	
		Sample ID		TSA-SS-004-0.0-0.166		TSA-TP-01-2.0-2.5	
		Matrix		SO		SO	
		Lab Sample ID		22J3315-02		22J3127-01	
		SDG		22J3315		22J3127	
		Sample Date		10/21/2022		10/19/2022	
		Sample Type Code		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit			
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			
E537(M)	Nonafluoro-3,6-dioxahheptanoic acid	151772-58-6	NA	ug/kg			
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			
E537(M)	Perfluoro-1-butanefulfonamide (FBFA)	30334-69-1	NA	ug/kg			
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NA	ug/kg			
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			
E537(M)	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg			
E537(M)	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			
E537(M)	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg			
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			
E537(M)	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			
E537(M)	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			
E537(M)	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			
E537(M)	Perfluorononanesulfonic acid (PFNS)	68259-12-1	NA	ug/kg			
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			
E537(M)	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			
E537(M)	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	NA	ug/kg			
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg			
SW8151	2,4-D (Dichlorophenoxy)acetic Acid)	94-75-7	T	mg/kg			
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg			
SW8151	Dalapon	75-99-0	T	mg/kg			
SW8151	Dicamba	1918-00-9	T	mg/kg			
SW8151	Dichloroprop	120-36-5	T	mg/kg			
SW8151	Dinoseb	88-85-7	T	mg/kg			
SW8151	MCPA	94-74-6	T	mg/kg			
SW8151	Mecoprop	93-65-2	T	mg/kg			
SW8151	Silvex (2,4,5-TP)	93-72-1	T	mg/kg			
SW8321	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	mg/kg			
SW8321	2,4-D (Dichlorophenoxy)acetic Acid)	94-75-7	T	mg/kg			
SW8321	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	mg/kg			
SW8321	Dalapon	75-99-0	T	mg/kg			
SW8321	Dicamba	1918-00-9	T	mg/kg			
SW8321	Dichloroprop	120-36-5	T	mg/kg			
SW8321	Dinoseb	88-85-7	T	mg/kg			
SW8321	MCPA	94-74-6	T	mg/kg			
SW8321	Mecoprop	93-65-2	T	mg/kg			
SW8321	Silvex (2,4,5-TP)	93-72-1	T	mg/kg			
SW9014	Cyanide	57-12-5	T	mg/kg			
SW9071	Oil & Grease, Total Rec		OTLGREASE	T	mg/kg		
SW9071	Total Petroleum Hydrocarbons - Non-Polar Material - Sgt Hem		TPHNONPOLAR	T	mg/kg		

			Location ID				TSA-SB-EB-01		TSA-SB-EB-02	
			Sample ID				WQ		WQ	
			Matrix				22J4063-04		22J4063-05	
			Lab Sample ID				22J4063		22J4063	
			SDG				10/25/2022		10/25/2022	
			Sample Date				EB		EB	
			Sample Type Code							
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit						
6010C	Aluminum	7429-90-5	T	mg/l	0.05	U		0.022	J	
6010C	Antimony	7440-36-0	T	mg/l	0.05	U		0.05	U	
6010C	Arsenic	7440-38-2	T	mg/l	0.01	U		0.01	U	
6010C	Arsenic	7440-38-2	TCLP	mg/l	0.05	U		0.05	U	
6010C	Barium	7440-39-3	T	mg/l	0.05	U		0.05	U	
6010C	Barium	7440-39-3	TCLP	mg/l	0.5	U		0.5	U	
6010C	Beryllium	7440-41-7	T	mg/l	0.004	U		0.004	U	
6010C	Boron	7440-42-8	T	mg/l	0.1	U		0.1	U	
6010C	Cadmium	7440-43-9	T	mg/l	0.004	U		0.004	U	
6010C	Cadmium	7440-43-9	TCLP	mg/l	0.01	U		0.01	U	
6010C	Calcium	7440-70-2	T	mg/l	0.5	U		0.5	U	
6010C	Chromium, Total	7440-47-3	T	mg/l	0.01	U		0.01	U	
6010C	Chromium, Total	7440-47-3	TCLP	mg/l	0.05	U		0.05	U	
6010C	Cobalt	7440-48-4	T	mg/l	0.01	U		0.01	U	
6010C	Copper	7440-50-8	T	mg/l	0.01	U		0.01	U	
6010C	Iron	7439-89-6	T	mg/l	0.05	U		0.05	U	
6010C	Lead	7439-92-1	T	mg/l	0.01	U		0.01	U	
6010C	Lead	7439-92-1	TCLP	mg/l	0.0036	J		0.1	U	
6010C	Magnesium	7439-95-4	T	mg/l	0.05	U		0.05	U	
6010C	Manganese	7439-96-5	T	mg/l	0.01	U		0.01	U	
6010C	Nickel	7440-02-0	T	mg/l	0.01	U		0.01	U	
6010C	Potassium	7440-09-7	T	mg/l	2	U		2	U	
6010C	Selenium	7782-49-2	T	mg/l	0.05	U		0.05	U	
6010C	Selenium	7782-49-2	TCLP	mg/l	0.05	U		0.05	U	
6010C	Silver	7440-22-4	T	mg/l	0.01	U		0.01	U	
6010C	Silver	7440-22-4	TCLP	mg/l	0.05	U		0.05	U	
6010C	Sodium	7440-23-5	T	mg/l	2	U		2	U	
6010C	Thallium	7440-28-0	T	mg/l	0.05	U		0.05	U	
6010C	Vanadium	7440-62-2	T	mg/l	0.01	U		0.01	U	
6010C	Zinc	7440-66-6	T	mg/l	0.01	U		0.01	U	
7471B	Mercury	7439-97-6	T	mg/l	0.00014			0.00017		
7471B	Mercury	7439-97-6	TCLP	mg/l	0.0001	U		0.0001	U	
8081B	Alachlor	15972-60-8	NA	ug/l	0.2	U				
8081B	Aldrin	309-00-2	NA	ug/l	0.049	U				
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l	0.049	U				
8081B	Alpha Endosulfan	959-98-8	NA	ug/l	0.049	U				
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l	0.049	U				

			Location ID			TSA-SB-EB-01		TSA-SB-EB-02		
			Sample ID			WQ		WQ		
			Matrix			22J4063-04		22J4063-05		
			Lab Sample ID			22J4063		22J4063		
			SDG			10/25/2022		10/25/2022		
			Sample Date			EB		EB		
			Sample Type	Code						
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit						
8081B	Beta Endosulfan	33213-65-9	NA	ug/l	0.078	U				
8081B	Chlordane	57-74-9	NA	ug/l	0.2	U				
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l	0.049	U				
8081B	Dieldrin	60-57-1	NA	ug/l	0.002	U				
8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l	0.078	U				
8081B	Endrin	72-20-8	NA	ug/l	0.078	U				
8081B	Endrin Aldehyde	7421-93-4	NA	ug/l	0.078	U				
8081B	Endrin Ketone	53494-70-5	NA	ug/l	0.078	U				
8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l	0.029	U				
8081B	Heptachlor	76-44-8	NA	ug/l	0.049	U				
8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l	0.049	U				
8081B	Hexachlorobenzene	118-74-1	NA	ug/l	0.049	U				
8081B	Methoxychlor	72-43-5	NA	ug/l	0.49	U				
8081B	P,P'-DDD	72-54-8	NA	ug/l	0.039	U				
8081B	P,P'-DDE	72-55-9	NA	ug/l	0.039	U				
8081B	P,P'-DDT	50-29-3	NA	ug/l	0.039	U				
8081B	Toxaphene	8001-35-2	NA	ug/l	0.98	U				
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l	0.2	U				
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l	0.2	U				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l	0.2	U				
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l	0.2	U				
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l	0.2	U				
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l	0.2	U				
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l	0.2	U				
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l	0.2	U				
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l	0.2	U				
8260D	1,1,1,2-Tetrachloroethane	630-20-6	NA	ug/l	1	U				
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l	1	U				
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	ug/l	0.5	U				
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l	1	U				
8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l	1	U				
8260D	1,1-Dichloroethane	75-34-3	NA	ug/l	1	U				
8260D	1,1-Dichloroethene	75-35-4	NA	ug/l	1	U				
8260D	1,1-Dichloropropene	563-58-6	NA	ug/l	2	U				
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l	5	U				
8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l	2	U				
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l	1	U				

				Location ID	TSA-SB-EB-01		TSA-SB-EB-02	
				Sample ID	WQ		WQ	
				Matrix	22J4063-04		22J4063-05	
				Lab Sample ID	22J4063		22J4063	
				SDG	10/25/2022		10/25/2022	
				Sample Date	EB		EB	
				Sample Type Code				
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l	1	U		
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l	5	UJ		
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l	0.5	U		
8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l	1	U		
8260D	1,2-Dichloroethane	107-06-2	NA	ug/l	1	U		
8260D	1,2-Dichloropropane	78-87-5	NA	ug/l	1	U		
8260D	1,3,5-Trichlorobenzene	108-70-3	NA	ug/l	1	U		
8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l	1	U		
8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l	1	U		
8260D	1,3-Dichloropropane	142-28-9	NA	ug/l	0.5	U		
8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l	1	U		
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l	50	U		
8260D	2,2-Dichloropropane	594-20-7	NA	ug/l	1	UJ		
8260D	2-Chlorotoluene	95-49-8	NA	ug/l	1	U		
8260D	2-Hexanone	591-78-6	NA	ug/l	10	U		
8260D	2-Methoxy-2-Methylbutane	994-05-8	NA	ug/l	0.5	U		
8260D	4-Chlorotoluene	106-43-4	NA	ug/l	1	U		
8260D	Acetone	67-64-1	NA	ug/l	50	U		
8260D	Acrylonitrile	107-13-1	NA	ug/l	5	U		
8260D	Benzene	71-43-2	NA	ug/l	1	U		
8260D	Bromobenzene	108-86-1	NA	ug/l	1	U		
8260D	Bromochloromethane	74-97-5	NA	ug/l	1	U		
8260D	Bromodichloromethane	75-27-4	NA	ug/l	0.5	U		
8260D	Bromoform	75-25-2	NA	ug/l	1	U		
8260D	Bromomethane	74-83-9	NA	ug/l	2	U		
8260D	Carbon Disulfide	75-15-0	NA	ug/l	5	U		
8260D	Carbon Tetrachloride	56-23-5	NA	ug/l	5	U		
8260D	Chlorobenzene	108-90-7	NA	ug/l	1	U		
8260D	Chloroethane	75-00-3	NA	ug/l	2	U		
8260D	Chloroform	67-66-3	NA	ug/l	2	U		
8260D	Chloromethane	74-87-3	NA	ug/l	2	U		
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l	1	U		
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l	0.5	U		
8260D	Cymene	99-87-6	NA	ug/l	1	U		
8260D	Dibromochloromethane	124-48-1	NA	ug/l	0.5	U		
8260D	Dibromomethane	74-95-3	NA	ug/l	1	U		
8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l	2	U		

			Location ID				
			Sample ID				
			Matrix				
			Lab Sample ID				
			SDG				
			Sample Date				
			Sample Type Code				
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit			
8260D	Diethyl Ether (Ethyl Ether)	60-29-7	NA	ug/l	2	U	
8260D	Ethyl Tert-Butyl Ether	637-92-3	NA	ug/l	0.5	U	
8260D	Ethylbenzene	100-41-4	NA	ug/l	1	U	
8260D	Hexachlorobutadiene	87-68-3	NA	ug/l	0.6	U	
8260D	Isopropyl Ether	108-20-3	NA	ug/l	0.5	U	
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l	1	U	
8260D	m,p-Xylene	179601-23-1	NA	ug/l	2	U	
8260D	Methyl Acetate	79-20-9	NA	ug/l	1	U	
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l	20	U	
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l	10	U	
8260D	Methylcyclohexane	108-87-2	NA	ug/l	1	U	
8260D	Methylene Chloride	75-09-2	NA	ug/l	5	U	
8260D	Naphthalene	91-20-3	NA	ug/l	2	U	
8260D	N-Butylbenzene	104-51-8	NA	ug/l	1	U	
8260D	N-Propylbenzene	103-65-1	NA	ug/l	1	U	
8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l	1	U	
8260D	Sec-Butylbenzene	135-98-8	NA	ug/l	1	U	
8260D	Styrene	100-42-5	NA	ug/l	1	U	
8260D	T-Butylbenzene	98-06-6	NA	ug/l	1	U	
8260D	Tert-Butyl Alcohol	75-65-0	NA	ug/l	20	U	
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l	1	U	
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l	1	U	
8260D	Tetrahydrofuran	109-99-9	NA	ug/l	10	U	
8260D	Toluene	108-88-3	NA	ug/l	1	U	
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l	1	U	
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l	0.5	U	
8260D	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	ug/l	2	U	
8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l	1	U	
8260D	Trichlorofluoromethane	75-69-4	NA	ug/l	2	U	
8260D	Vinyl Chloride	75-01-4	NA	ug/l	2	U	
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l	10	U	10 U
8270E	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l	5	U	5 U
8270E	1,2-Dichlorobenzene	95-50-1	NA	ug/l	5	U	5 U
8270E	1,2-Diphenylhydrazine	122-66-7	NA	ug/l	10	U	10 U
8270E	1,3-Dichlorobenzene	541-73-1	NA	ug/l	5	U	5 U
8270E	1,4-Dichlorobenzene	106-46-7	NA	ug/l	5	U	5 U
8270E	1-Methylnaphthalene	90-12-0	NA	ug/l	5	U	5 U

			Location ID	TSA-SB-EB-01		TSA-SB-EB-02		
			Sample ID	WQ		WQ		
			Matrix	22J4063-04		22J4063-05		
			Lab Sample ID	22J4063		22J4063		
			SDG	10/25/2022		10/25/2022		
			Sample Date	EB		EB		
			Sample Type Code					
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l	10	U	10	U
8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l	10	U	10	U
8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l	10	U	10	U
8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l	10	U	10	U
8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l	10	U	10	U
8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l	10	U	10	U
8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l	10	U	10	U
8270E	2-Chloronaphthalene	91-58-7	NA	ug/l	10	U	10	U
8270E	2-Chlorophenol	95-57-8	NA	ug/l	10	U	10	U
8270E	2-Methylnaphthalene	91-57-6	NA	ug/l	5	U	5	U
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l	10	U	10	U
8270E	2-Nitroaniline	88-74-4	NA	ug/l	10	U	10	U
8270E	2-Nitrophenol	88-75-5	NA	ug/l	10	U	10	U
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l	10	U	10	U
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l	10	U	10	U
8270E	3-Nitroaniline	99-09-2	NA	ug/l	10	U	10	U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l	10	U	10	U
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l	10	U	10	U
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l	10	U	10	U
8270E	4-Chloroaniline	106-47-8	NA	ug/l	10	U	10	U
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l	10	U	10	U
8270E	4-Nitroaniline	100-01-6	NA	ug/l	10	U	10	U
8270E	4-Nitrophenol	100-02-7	NA	ug/l	10	U	10	U
8270E	Acenaphthene	83-32-9	NA	ug/l	5	U	5	U
8270E	Acenaphthylene	208-96-8	NA	ug/l	5	U	5	U
8270E	Acetophenone	98-86-2	NA	ug/l	10	U	10	U
8270E	Aniline	62-53-3	NA	ug/l	5	U	5	U
8270E	Anthracene	120-12-7	NA	ug/l	5	U	5	U
8270E	Benzidine	92-87-5	NA	ug/l	20	UJ	20	UJ
8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l	5	U	5	U
8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l	5	U	5	U
8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l	5	U	5	U
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l	5	U	5	U
8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l	5	U	5	U
8270E	Benzoic Acid	65-85-0	NA	ug/l	10	U	10	U
8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l	10	U	10	U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l	10	U	10	U

			Location ID				
			Sample ID				
			Matrix				
			Lab Sample ID				
			SDG				
			Sample Date				
			Sample Type Code				
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit			
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l	10	U	10
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l	10	U	10
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l	10	U	10
8270E	Carbazole	86-74-8	NA	ug/l	10	U	10
8270E	Chrysene	218-01-9	NA	ug/l	5	U	5
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l	5	U	5
8270E	Dibenzofuran	132-64-9	NA	ug/l	5	U	5
8270E	Diethyl Phthalate	84-66-2	NA	ug/l	10	U	10
8270E	Dimethyl Phthalate	131-11-3	NA	ug/l	10	U	10
8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l	10	U	10
8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l	10	U	10
8270E	Fluoranthene	206-44-0	NA	ug/l	5	U	5
8270E	Fluorene	86-73-7	NA	ug/l	5	U	5
8270E	Hexachlorobenzene	118-74-1	NA	ug/l	10	U	10
8270E	Hexachlorobutadiene	87-68-3	NA	ug/l	10	U	10
8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l	10	U	10
8270E	Hexachloroethane	67-72-1	NA	ug/l	10	U	10
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l	5	U	5
8270E	Isophorone	78-59-1	NA	ug/l	10	U	10
8270E	Naphthalene	91-20-3	NA	ug/l	5	U	5
8270E	Nitrobenzene	98-95-3	NA	ug/l	10	U	10
8270E	N-Nitrosodimethylamine	62-75-9	NA	ug/l	10	U	10
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l	10	U	10
8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l	10	U	10
8270E	Pentachloronitrobenzene	82-68-8	NA	ug/l	10	U	10
8270E	Pentachlorophenol	87-86-5	NA	ug/l	10	U	10
8270E	Phenanthrene	85-01-8	NA	ug/l	5	U	5
8270E	Phenol	108-95-2	NA	ug/l	10	U	10
8270E	Pyrene	129-00-0	NA	ug/l	5	U	5
8270E	Pyridine	110-86-1	NA	ug/l	5	U	5
E1664	Sgt Hem (Oil And Grease - Nonpolar	OILGREASENONP	T	mg/l	0.6	J	
E537	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l	1.8	U	
E537	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l	1.8	U	
E537	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l	1.8	U	
E537	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l	1.8	U	
E537	4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l	1.8	U	
E537	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l	1.8	U	

			Location ID	TSA-SB-EB-01		TSA-SB-EB-02	
			Sample ID	WQ		WQ	
			Matrix	22J4063-04		22J4063-05	
			Lab Sample ID	22J4063		22J4063	
			SDG	10/25/2022		10/25/2022	
			Sample Date	EB		EB	
			Sample Type Code				
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit			
E537	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l	1.8	U	
E537	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l	1.8	U	
E537	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l	1.8	U	
E537	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	T	ng/l	1.8	U	
E537	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l	1.8	U	
E537	Perfluoro-1-butanedisulfonamide (FBISA)	30334-69-1	T	ng/l	1.8	U	
E537	Perfluoro-1-hexanesulfonamide (FHISA)	41997-13-1	T	ng/l	1.8	U	
E537	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l	1.8	U	
E537	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l	1.8	U	
E537	Perfluorobutanedisulfonic acid (PFBS)	375-73-5	T	ng/l	1.8	U	
E537	Perfluorobutanoic Acid	375-22-4	T	ng/l	1.8	U	
E537	Perfluorodecanedisulfonic acid (PFDS)	335-77-3	T	ng/l	1.8	U	
E537	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l	1.8	U	
E537	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l	1.8	U	
E537	Perfluoroheptanedisulfonic acid (PFHpS)	375-92-8	T	ng/l	1.8	U	
E537	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l	1.8	U	
E537	Perfluorohexanedisulfonic acid (PFHxS)	355-46-4	T	ng/l	1.8	U	
E537	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l	1.8	U	
E537	Perfluorononanedisulfonic Acid (PFNS)	68259-12-1	T	ng/l	1.8	U	
E537	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l	1.8	U	
E537	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l	1.8	U	
E537	Perfluorooctanedisulfonic acid (PFOS)	1763-23-1	T	ng/l	1.8	U	
E537	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l	1.8	U	
E537	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l	1.8	U	
E537	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l	1.8	U	
E537	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l	1.8	U	
E537	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	T	ng/l	1.8	U	
E537	Perfluoroundecanoic acid (PFUnA)	2058-94-8	T	ng/l	1.8	U	
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	T	ug/l	2	U	
SW8151	2,4-D (Dichlorophenoxy)acetic Acid	94-75-7	T	ug/l	2	U	
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	T	ug/l	2	U	
SW8151	Dalapon	75-99-0	T	ug/l	2	U	
SW8151	Dicamba	1918-00-9	T	ug/l	2	U	
SW8151	Dichloroprop	120-36-5	T	ug/l	2	U	
SW8151	Dinoseb	88-85-7	T	ug/l	2	U	
SW8151	MCPA	94-74-6	T	ug/l	2	U	
SW8151	Mecoprop	93-65-2	T	ug/l	2	U	

				Location ID				
				Sample ID	TSA-SB-EB-01		TSA-SB-EB-02	
				Matrix	WQ		WQ	
				Lab Sample ID	22J4063-04		22J4063-05	
				SDG	22J4063		22J4063	
				Sample Date	10/25/2022		10/25/2022	
				Sample Type Code	EB		EB	
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
SW8151	Silvex (2,4,5-TP)	93-72-1	T	ug/l	2	U		
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l	0.2	U	0.2	U
SW9014	Cyanide	57-12-5	T	mg/l	0.01	U		

ATTACHMENT A-2 VALIDATED LABORATORY DATA FOR GROUNDWATER SAMPLES

				Location ID	TSA-GW-EB-01-20221209		TSA-GW-FB-01-2022-12-08		TSA-GW-FB-01-20221209		TSA-GW-TB-01-2022-12-08	
				Sample ID	WQ		WQ		WQ		WQ	
				Matrix	22L1533-01		22L1411-02		22L1533-02		22L1411-03	
				Lab Sample ID	22L1533		22L1411		22L1533		22L1411	
				SDG	12/9/2022		12/8/2022		12/9/2022		12/8/2022	
				Sample Date	EB		FB		FB		TB	
				Sample Type Code								
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit								
6010C	Aluminum	7429-90-5	T	mg/l	0.035	J						
6010C	Antimony	7440-36-0	T	mg/l	0.05	U						
6010C	Arsenic	7440-38-2	T	mg/l	0.01	U						
6010C	Arsenic	7440-38-2	TCLP	mg/l	0.05	U						
6010C	Barium	7440-39-3	T	mg/l	0.05	U						
6010C	Barium	7440-39-3	TCLP	mg/l	0.5	U						
6010C	Beryllium	7440-41-7	T	mg/l	0.004	U						
6010C	Boron	7440-42-8	T	mg/l	0.1	U						
6010C	Cadmium	7440-43-9	T	mg/l	0.004	U						
6010C	Cadmium	7440-43-9	TCLP	mg/l	0.01	U						
6010C	Calcium	7440-70-2	T	mg/l	0.39	J						
6010C	Chromium, Total	7440-47-3	T	mg/l	0.01	U						
6010C	Chromium, Total	7440-47-3	TCLP	mg/l	0.05	U						
6010C	Cobalt	7440-48-4	T	mg/l	0.01	U						
6010C	Copper	7440-50-8	T	mg/l	0.01	U						
6010C	Iron	7439-89-6	T	mg/l	0.05	U						
6010C	Lead	7439-92-1	T	mg/l	0.01	U						
6010C	Lead	7439-92-1	TCLP	mg/l	0.1	U						
6010C	Magnesium	7439-95-4	T	mg/l	0.086							
6010C	Manganese	7439-96-5	T	mg/l	0.01	U						
6010C	Nickel	7440-02-0	T	mg/l	0.01	U						
6010C	Potassium	7440-09-7	T	mg/l	2	U						
6010C	Selenium	7782-49-2	T	mg/l	0.05	U						
6010C	Selenium	7782-49-2	TCLP	mg/l	0.05	U						
6010C	Silver	7440-22-4	T	mg/l	0.01	U						
6010C	Silver	7440-22-4	TCLP	mg/l	0.05	U						
6010C	Sodium	7440-23-5	T	mg/l	0.79	J						
6010C	Thallium	7440-28-0	T	mg/l	0.05	U						
6010C	Vanadium	7440-62-2	T	mg/l	0.01	U						
6010C	Zinc	7440-66-6	T	mg/l	0.01	U						
7471B	Mercury	7439-97-6	T	mg/l	0.00015							
7471B	Mercury	7439-97-6	TCLP	mg/l	0.0001	U						
8081B	Alachlor	15972-60-8	NA	ug/l	0.2	U						
8081B	Aldrin	309-00-2	NA	ug/l	0.051	U						
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l	0.051	U						
8081B	Alpha Endosulfan	959-98-8	NA	ug/l	0.051	U						
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l	0.051	U						
8081B	Beta Endosulfan	33213-65-9	NA	ug/l	0.081	U						
8081B	Chlordane	57-74-9	NA	ug/l	0.2	U						
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l	0.051	U						
8081B	Dieldrin	60-57-1	NA	ug/l	0.002	U						
8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l	0.081	U						
8081B	Endrin	72-20-8	NA	ug/l	0.081	U						
8081B	Endrin Aldehyde	7421-93-4	NA	ug/l	0.081	U						
8081B	Endrin Ketone	53494-70-5	NA	ug/l	0.081	U						
8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l	0.03	U						
8081B	Heptachlor	76-44-8	NA	ug/l	0.051	U						
8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l	0.051	U						
8081B	Hexachlorobenzene	118-74-1	NA	ug/l	0.051	U						

				Location ID	TSA-GW-EB-01-20221209		TSA-GW-FB-01-2022-12-08		TSA-GW-FB-01-20221209		TSA-GW-TB-01-2022-12-08	
				Sample ID	WQ		WQ		WQ		WQ	
				Matrix	22L1533-01		22L1411-02		22L1533-02		22L1411-03	
				Lab Sample ID	22L1533		22L1411		22L1533		22L1411	
				SDG	12/9/2022		12/8/2022		12/9/2022		12/8/2022	
				Sample Date	EB		FB		FB		TB	
				Sample Type Code								
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit								
8081B	Methoxychlor	72-43-5	NA	ug/l	0.51	U						
8081B	P,P'-DDD	72-54-8	NA	ug/l	0.04	U						
8081B	P,P'-DDE	72-55-9	NA	ug/l	0.04	U						
8081B	P,P'-DDT	50-29-3	NA	ug/l	0.04	U						
8081B	Toxaphene	8001-35-2	NA	ug/l	1	U						
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l	0.2	U						
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l	0.2	U						
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l	0.2	U						
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l	0.2	U						
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l	0.2	U						
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l	0.2	U						
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l	0.2	U						
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l	0.2	U						
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l	0.2	U						
8260D	1,1,1,2-Tetrachloroethane	630-20-6	NA	ug/l	1	U					1	U
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l	1	U					1	U
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	ug/l	0.5	U					0.5	U
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l	1	U					1	U
8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l	1	U					1	U
8260D	1,1-Dichloroethane	75-34-3	NA	ug/l	1	U					1	U
8260D	1,1-Dichloroethene	75-35-4	NA	ug/l	1	U					1	U
8260D	1,1-Dichloropropene	563-58-6	NA	ug/l	2	U					2	U
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l	5	U					5	U
8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l	2	U					2	U
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l	1	U					1	U
8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l	1	U					1	U
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l	5	U					5	U
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l	0.5	U					0.5	U
8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l	1	U					1	U
8260D	1,2-Dichloroethane	107-06-2	NA	ug/l	1	U					1	U
8260D	1,2-Dichloropropane	78-87-5	NA	ug/l	1	U					1	U
8260D	1,3,5-Trichlorobenzene	108-70-3	NA	ug/l	1	U					1	U
8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l	1	U					1	U
8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l	1	U					1	U
8260D	1,3-Dichloropropane	142-28-9	NA	ug/l	0.5	U					0.5	U
8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l	1	U					1	U
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l	50	UJ					50	UJ
8260D	2,2-Dichloropropane	594-20-7	NA	ug/l	1	U					1	U
8260D	2-Chlorotoluene	95-49-8	NA	ug/l	1	U					1	U
8260D	2-Hexanone	591-78-6	NA	ug/l	10	U					10	U
8260D	2-Methoxy-2-Methylbutane	994-05-8	NA	ug/l	0.5	U					0.5	U
8260D	4-Chlorotoluene	106-43-4	NA	ug/l	1	U					1	U
8260D	Acetone	67-64-1	NA	ug/l	50	U					50	U
8260D	Acrylonitrile	107-13-1	NA	ug/l	5	U					5	U
8260D	Benzene	71-43-2	NA	ug/l	1	U					1	U
8260D	Bromobenzene	108-86-1	NA	ug/l	1	U					1	U
8260D	Bromochloromethane	74-97-5	NA	ug/l	1	U					1	U
8260D	Bromodichloromethane	75-27-4	NA	ug/l	0.5	U					0.5	U
8260D	Bromoform	75-25-2	NA	ug/l	1	UJ					1	UJ

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				Sample ID	WQ		WQ		WQ		WQ	
				Matrix								
				Lab Sample ID	22L1533-01		22L1411-02		22L1533-02		22L1411-03	
				SDG	22L1533		22L1411		22L1533		22L1411	
				Sample Date	12/9/2022		12/8/2022		12/9/2022		12/8/2022	
				Sample Type Code	EB		FB		FB		TB	
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit								
8260D	Bromomethane	74-83-9	NA	ug/l	2	U					2	U
8260D	Carbon Disulfide	75-15-0	NA	ug/l	5	U					5	U
8260D	Carbon Tetrachloride	56-23-5	NA	ug/l	5	U					5	U
8260D	Chlorobenzene	108-90-7	NA	ug/l	1	U					1	U
8260D	Chloroethane	75-00-3	NA	ug/l	2	U					2	U
8260D	Chloroform	67-66-3	NA	ug/l	2	U					0.81	J
8260D	Chloromethane	74-87-3	NA	ug/l		R						R
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l	1	U					1	U
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l	0.5	U					0.5	U
8260D	Cymene	99-87-6	NA	ug/l	1	U					1	U
8260D	Dibromochloromethane	124-48-1	NA	ug/l	0.5	U					0.5	U
8260D	Dibromomethane	74-95-3	NA	ug/l	1	U					1	U
8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l	2	U					2	U
8260D	Diethyl Ether (Ethyl Ether)	60-29-7	NA	ug/l	2	U					2	U
8260D	Ethyl Tert-Butyl Ether	637-92-3	NA	ug/l	0.5	U					0.5	U
8260D	Ethylbenzene	100-41-4	NA	ug/l	1	U					1	U
8260D	Hexachlorobutadiene	87-68-3	NA	ug/l	0.6	U					0.6	U
8260D	Isopropyl Ether	108-20-3	NA	ug/l	0.5	U					0.5	U
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l	1	U					1	U
8260D	m,p-Xylene	179601-23-1	NA	ug/l	2	U					2	U
8260D	Methyl Acetate	79-20-9	NA	ug/l	1	U					1	U
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l	20	U					20	U
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l	10	U					10	U
8260D	Methylcyclohexane	108-87-2	NA	ug/l	1	U					1	U
8260D	Methylene Chloride	75-09-2	NA	ug/l	5	U					5	U
8260D	Naphthalene	91-20-3	NA	ug/l	2	U					2	U
8260D	N-Butylbenzene	104-51-8	NA	ug/l	1	U					1	U
8260D	N-Propylbenzene	103-65-1	NA	ug/l	1	U					1	U
8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l	1	U					1	U
8260D	Sec-Butylbenzene	135-98-8	NA	ug/l	1	U					1	U
8260D	Styrene	100-42-5	NA	ug/l	1	U					1	U
8260D	T-Butylbenzene	98-06-6	NA	ug/l	1	U					1	U
8260D	Tert-Butyl Alcohol	75-65-0	NA	ug/l	20	U					20	U
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l	1	UJ					1	UJ
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l	1	U					1	U
8260D	Tetrahydrofuran	109-99-9	NA	ug/l	10	U					10	U
8260D	Toluene	108-88-3	NA	ug/l	1	U					1	U
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l	1	U					1	U
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l	0.5	U					0.5	U
8260D	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	ug/l	2	UJ					2	UJ
8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l	1	U					1	U
8260D	Trichlorofluoromethane	75-69-4	NA	ug/l	2	U					2	U
8260D	Vinyl Chloride	75-01-4	NA	ug/l	2	U					2	U
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l	9.9	U						
8270E	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l	5	U						
8270E	1,2-Dichlorobenzene	95-50-1	NA	ug/l	5	U						
8270E	1,2-Diphenylhydrazine	122-66-7	NA	ug/l	9.9	UJ						
8270E	1,3-Dichlorobenzene	541-73-1	NA	ug/l	5	U						
8270E	1,4-Dichlorobenzene	106-46-7	NA	ug/l	5	U						

				Location ID	TSA-GW-EB-01-20221209		TSA-GW-FB-01-2022-12-08		TSA-GW-FB-01-20221209		TSA-GW-TB-01-2022-12-08	
				Sample ID	WQ		WQ		WQ		WQ	
				Matrix								
				Lab Sample ID	22L1533-01		22L1411-02		22L1533-02		22L1411-03	
				SDG	22L1533		22L1411		22L1533		22L1411	
				Sample Date	12/9/2022		12/8/2022		12/9/2022		12/8/2022	
				Sample Type Code	EB		FB		FB		TB	
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit								
8270E	1-Methylnaphthalene	90-12-0	NA	ug/l	5 U							
8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l	9.9 U							
8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l	9.9 U							
8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l	9.9 U							
8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l	9.9 U							
8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l	9.9 UJ							
8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l	9.9 U							
8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l	9.9 U							
8270E	2-Chloronaphthalene	91-58-7	NA	ug/l	9.9 U							
8270E	2-Chlorophenol	95-57-8	NA	ug/l	9.9 U							
8270E	2-Methylnaphthalene	91-57-6	NA	ug/l	5 U							
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l	9.9 U							
8270E	2-Nitroaniline	88-74-4	NA	ug/l	9.9 UJ							
8270E	2-Nitrophenol	88-75-5	NA	ug/l	9.9 U							
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l	9.9 U							
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l	9.9 U							
8270E	3-Nitroaniline	99-09-2	NA	ug/l	9.9 U							
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l	9.9 U							
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l	9.9 U							
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l	9.9 U							
8270E	4-Chloroaniline	106-47-8	NA	ug/l	9.9 U							
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l	9.9 U							
8270E	4-Nitroaniline	100-01-6	NA	ug/l	9.9 U							
8270E	4-Nitrophenol	100-02-7	NA	ug/l	9.9 UJ							
8270E	Acenaphthene	83-32-9	NA	ug/l	5 U							
8270E	Acenaphthylene	208-96-8	NA	ug/l	5 U							
8270E	Acetophenone	98-86-2	NA	ug/l	9.9 U							
8270E	Aniline	62-53-3	NA	ug/l	5 U							
8270E	Anthracene	120-12-7	NA	ug/l	5 U							
8270E	Benzidine	92-87-5	NA	ug/l	20 UJ							
8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l	5 U							
8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l	5 U							
8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l	5 U							
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l	5 U							
8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l	5 U							
8270E	Benzoic Acid	65-85-0	NA	ug/l	9.9 U							
8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l	9.9 U							
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l	9.9 U							
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l	9.9 UJ							
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l	9.9 UJ							
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l	9.9 UJ							
8270E	Carbazole	86-74-8	NA	ug/l	9.9 U							
8270E	Chrysene	218-01-9	NA	ug/l	5 U							
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l	5 U							
8270E	Dibenzofuran	132-64-9	NA	ug/l	5 U							
8270E	Diethyl Phthalate	84-66-2	NA	ug/l	9.9 U							
8270E	Dimethyl Phthalate	131-11-3	NA	ug/l	9.9 U							
8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l	9.9 U							
8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l	9.9 U							

			Location ID	TSA-GW-EB-01-20221209	TSA-GW-FB-01-2022-12-08	TSA-GW-FB-01-20221209	TSA-GW-TB-01-2022-12-08
			Sample ID	WQ	WQ	WQ	WQ
			Matrix				
			Lab Sample ID	22L1533-01	22L1411-02	22L1533-02	22L1411-03
			SDG	22L1533	22L1411	22L1533	22L1411
			Sample Date	12/9/2022	12/8/2022	12/9/2022	12/8/2022
			Sample Type Code	EB	FB	FB	TB
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit			
8270E	Fluoranthene	206-44-0	NA	ug/l	5 U		
8270E	Fluorene	86-73-7	NA	ug/l	5 U		
8270E	Hexachlorobenzene	118-74-1	NA	ug/l	9.9 U		
8270E	Hexachlorobutadiene	87-68-3	NA	ug/l	9.9 U		
8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l	9.9 U		
8270E	Hexachloroethane	67-72-1	NA	ug/l	9.9 U		
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l	5 U		
8270E	Isophorone	78-59-1	NA	ug/l	9.9 U		
8270E	Naphthalene	91-20-3	NA	ug/l	5 U		
8270E	Nitrobenzene	98-95-3	NA	ug/l	9.9 U		
8270E	N-Nitrosodimethylamine	62-75-9	NA	ug/l	9.9 UJ		
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l	9.9 UJ		
8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l	9.9 U		
8270E	Pentachloronitrobenzene	82-68-8	NA	ug/l	9.9 U		
8270E	Pentachlorophenol	87-86-5	NA	ug/l	9.9 UJ		
8270E	Phenanthrene	85-01-8	NA	ug/l	5 U		
8270E	Phenol	108-95-2	NA	ug/l	9.9 U		
8270E	Pyrene	129-00-0	NA	ug/l	5 U		
8270E	Pyridine	110-86-1	NA	ug/l	5 U		
E1664	Sgt Hem (Oil And Grease - Nonpolar	OILGREASENONP	T	mg/l	1.5 U		
E537(M)	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Nonafluoro-3,6-dioxahheptanoic acid	151772-58-6	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluoro-1-butanefulfonamide (FBSA)	30334-69-1	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorobutanefulfonic acid (PFBS)	375-73-5	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorobutanoic Acid	375-22-4	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorononanesulfonic acid (PFNS)	68259-12-1	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l	1.8 U	2 U	1.8 U
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l	1.8 U	2 U	1.8 U

				Location ID	TSA-GW-EB-01-20221209		TSA-GW-FB-01-2022-12-08		TSA-GW-FB-01-20221209		TSA-GW-TB-01-2022-12-08	
				Sample ID	WQ		WQ		WQ		WQ	
				Matrix								
				Lab Sample ID	22L1533-01		22L1411-02		22L1533-02		22L1411-03	
				SDG	22L1533		22L1411		22L1533		22L1411	
				Sample Date	12/9/2022		12/8/2022		12/9/2022		12/8/2022	
				Sample Type Code	EB		FB		FB		TB	
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit								
E537(M)	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l	1.8	U	2	U	1.8	U		
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l	1.8	U	2	U	1.8	U		
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l	1.8	U	2	U	1.8	U		
E537(M)	Perfluorotridecanoic Acid (PFTrIA/PFTrDA)	72629-94-8	T	ng/l	1.8	U	2	U	1.8	U		
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l	1.8	U	2	U	1.8	U		
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l	0.5	U						
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l	0.5	U						
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l	0.099	U						
SW8151	Dalapon	75-99-0	NA	ug/l	1.2	U						
SW8151	Dicamba	1918-00-9	NA	ug/l	0.05	U						
SW8151	Dichloroprop	120-36-5	NA	ug/l	0.5	U						
SW8151	Dinoseb	88-85-7	NA	ug/l	0.25	U						
SW8151	MCPA	94-74-6	NA	ug/l	50	U						
SW8151	Mecoprop	93-65-2	NA	ug/l	50	U						
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	ug/l	0.05	U						
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l	0.2	U						

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	TSA-GW-TB-01-20221209 WQ 22L1533-03 22L1533 12/9/2022 TB	TSA-MW-01 TSA-MW-01-20221209 WG 22L1533-04 22L1533 12/9/2022 N	TSA-MW-01 TSA-MW-01-20221209-D WG 22L1533-05 22L1533 12/9/2022 FD	TSA-MW-02 TSA-MW-02-2022-12-08 WG 22L1411-01 22L1411 12/8/2022 N
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
6010C	Aluminum	7429-90-5	T	mg/l		0.068	0.072	0.057
6010C	Antimony	7440-36-0	T	mg/l		0.05 U	0.05 U	0.011 J
6010C	Arsenic	7440-38-2	T	mg/l		0.01 U	0.01 U	0.01 U
6010C	Arsenic	7440-38-2	TCLP	mg/l		0.05 U	0.05 U	0.05 U
6010C	Barium	7440-39-3	T	mg/l		0.12	0.12	0.17
6010C	Barium	7440-39-3	TCLP	mg/l		0.12 J	0.12 J	0.17 J
6010C	Beryllium	7440-41-7	T	mg/l		0.004 U	0.004 U	0.004 U
6010C	Boron	7440-42-8	T	mg/l		0.1 U	0.1 U	0.15
6010C	Cadmium	7440-43-9	T	mg/l		0.004 U	0.004 U	0.004 U
6010C	Cadmium	7440-43-9	TCLP	mg/l		0.01 U	0.01 U	0.01 U
6010C	Calcium	7440-70-2	T	mg/l		83	83	100
6010C	Chromium, Total	7440-47-3	T	mg/l		0.01 U	0.01 U	0.01 U
6010C	Chromium, Total	7440-47-3	TCLP	mg/l		0.05 U	0.05 U	0.05 U
6010C	Cobalt	7440-48-4	T	mg/l		0.01 U	0.01 U	0.01 U
6010C	Copper	7440-50-8	T	mg/l		0.01 U	0.01 U	0.01 U
6010C	Iron	7439-89-6	T	mg/l		0.085	0.097	0.071
6010C	Lead	7439-92-1	T	mg/l		0.01 U	0.01 U	0.01 U
6010C	Lead	7439-92-1	TCLP	mg/l		0.1 U	0.1 U	0.1 U
6010C	Magnesium	7439-95-4	T	mg/l		19	19	22
6010C	Manganese	7439-96-5	T	mg/l		0.029	0.029	0.0044 J
6010C	Nickel	7440-02-0	T	mg/l		0.01 U	0.01 U	0.01 U
6010C	Potassium	7440-09-7	T	mg/l		2.4	2.4	3.8
6010C	Selenium	7782-49-2	T	mg/l		0.05 U	0.05 U	0.05 U
6010C	Selenium	7782-49-2	TCLP	mg/l		0.05 U	0.05 U	0.05 U
6010C	Silver	7440-22-4	T	mg/l		0.01 U	0.01 U	0.01 U
6010C	Silver	7440-22-4	TCLP	mg/l		0.05 U	0.05 U	0.05 U
6010C	Sodium	7440-23-5	T	mg/l		34	34	130
6010C	Thallium	7440-28-0	T	mg/l		0.05 U	0.05 U	0.05 U
6010C	Vanadium	7440-62-2	T	mg/l		0.0035 J	0.0057 J	0.0093 J
6010C	Zinc	7440-66-6	T	mg/l		0.01 U	0.0052 J	0.01 U
7471B	Mercury	7439-97-6	T	mg/l		0.00013	0.00013	0.00013
7471B	Mercury	7439-97-6	TCLP	mg/l		0.0001 U	0.000062 J	0.0001 U
8081B	Alachlor	15972-60-8	NA	ug/l		0.22 U	0.22 U	0.2 U
8081B	Aldrin	309-00-2	NA	ug/l		0.054 U	0.054 U	0.049 U
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l		0.054 U	0.054 U	0.049 U
8081B	Alpha Endosulfan	959-98-8	NA	ug/l		0.054 U	0.054 U	0.049 U
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l		0.054 U	0.054 U	0.049 U
8081B	Beta Endosulfan	33213-65-9	NA	ug/l		0.086 U	0.086 U	0.078 U
8081B	Chlordane	57-74-9	NA	ug/l		0.22 U	0.22 U	0.2 U
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l		0.054 U	0.054 U	0.049 U
8081B	Dieldrin	60-57-1	NA	ug/l		0.0022 U	0.0022 U	0.002 U
8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l		0.086 U	0.086 U	0.078 U
8081B	Endrin	72-20-8	NA	ug/l		0.086 U	0.086 U	0.078 U
8081B	Endrin Aldehyde	7421-93-4	NA	ug/l		0.086 U	0.086 U	0.078 U
8081B	Endrin Ketone	53494-70-5	NA	ug/l		0.086 U	0.086 U	0.078 U
8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l		0.032 U	0.032 U	0.029 U
8081B	Heptachlor	76-44-8	NA	ug/l		0.054 U	0.054 U	0.049 U
8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l		0.054 U	0.054 U	0.049 U
8081B	Hexachlorobenzene	118-74-1	NA	ug/l		0.054 U	0.054 U	0.049 U

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	TSA-GW-TB-01-20221209 WQ 22L1533-03 22L1533 12/9/2022 TB	TSA-MW-01 TSA-MW-01-20221209 WG 22L1533-04 22L1533 12/9/2022 N	TSA-MW-01 TSA-MW-01-20221209-D WG 22L1533-05 22L1533 12/9/2022 FD	TSA-MW-02 TSA-MW-02-2022-12-08 WG 22L1411-01 22L1411 12/8/2022 N
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
8081B	Methoxychlor	72-43-5	NA	ug/l		0.54 U	0.54 U	0.49 U
8081B	P,P'-DDD	72-54-8	NA	ug/l		0.043 U	0.043 U	0.039 U
8081B	P,P'-DDE	72-55-9	NA	ug/l		0.043 U	0.043 U	0.039 U
8081B	P,P'-DDT	50-29-3	NA	ug/l		0.043 U	0.043 U	0.039 U
8081B	Toxaphene	8001-35-2	NA	ug/l		1.1 U	1.1 U	0.98 U
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l		0.22 U	0.22 U	0.2 U
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l		0.22 U	0.22 U	0.2 U
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l		0.22 U	0.22 U	0.2 U
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l		0.22 U	0.22 U	0.2 U
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l		0.22 U	0.22 U	0.2 U
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l		0.22 U	0.22 U	0.2 U
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l		0.22 U	0.22 U	0.2 U
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l		0.22 U	0.22 U	0.2 U
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l		0.22 U	0.22 U	0.2 U
8260D	1,1,1,2-Tetrachloroethane	630-20-6	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l	1 U	1 U	1 U	2 U
8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,1-Dichloroethane	75-34-3	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,1-Dichloroethene	75-35-4	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,1-Dichloropropene	563-58-6	NA	ug/l	2 U	2 U	2 U	2 U
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l	5 U	5 U	5 U	5 U
8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l	2 U	2 U	2 U	2 U
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l	5 U	5 U	5 U	5 U
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,2-Dichloroethane	107-06-2	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,2-Dichloropropane	78-87-5	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,3,5-Trichlorobenzene	108-70-3	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,3-Dichloropropane	142-28-9	NA	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l	1 U	1 U	1 U	1 U
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l	50 U	50 U	50 U	50 U
8260D	2,2-Dichloropropane	594-20-7	NA	ug/l	1 U	1 U	1 U	1 U
8260D	2-Chlorotoluene	95-49-8	NA	ug/l	1 U	1 U	1 U	1 U
8260D	2-Hexanone	591-78-6	NA	ug/l	10 U	10 U	10 U	10 U
8260D	2-Methoxy-2-Methylbutane	994-05-8	NA	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
8260D	4-Chlorotoluene	106-43-4	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Acetone	67-64-1	NA	ug/l	50 U	50 U	50 U	3.2 U
8260D	Acrylonitrile	107-13-1	NA	ug/l	5 U	5 U	5 U	5 U
8260D	Benzene	71-43-2	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Bromobenzene	108-86-1	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Bromochloromethane	74-97-5	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Bromodichloromethane	75-27-4	NA	ug/l	0.5 U	0.5 U	0.5 U	4.9 U
8260D	Bromoform	75-25-2	NA	ug/l	1 U	1 U	1 U	3.1 U

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Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
8260D	Bromomethane	74-83-9	NA	ug/l	2 U	2 U	2 U	2 U
8260D	Carbon Disulfide	75-15-0	NA	ug/l	5 U	5 U	5 U	5 U
8260D	Carbon Tetrachloride	56-23-5	NA	ug/l	5 U	5 U	5 U	5 U
8260D	Chlorobenzene	108-90-7	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Chloroethane	75-00-3	NA	ug/l	2 U	2 U	2 U	2 UJ
8260D	Chloroform	67-66-3	NA	ug/l	0.91 J	2 U	2 U	3.6
8260D	Chloromethane	74-87-3	NA	ug/l	R	R	R	2 U
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
8260D	Cymene	99-87-6	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Dibromochloromethane	124-48-1	NA	ug/l	0.5 U	0.5 U	0.5 U	5.9
8260D	Dibromomethane	74-95-3	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l	2 U	2 U	2 U	2 U
8260D	Diethyl Ether (Ethyl Ether)	60-29-7	NA	ug/l	2 U	2 U	2 U	2 UJ
8260D	Ethyl Tert-Butyl Ether	637-92-3	NA	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
8260D	Ethylbenzene	100-41-4	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Hexachlorobutadiene	87-68-3	NA	ug/l	0.6 U	0.6 U	0.6 U	0.6 U
8260D	Isopropyl Ether	108-20-3	NA	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l	1 U	1 U	1 U	1 U
8260D	m,p-Xylene	179601-23-1	NA	ug/l	2 U	2 U	2 U	2 U
8260D	Methyl Acetate	79-20-9	NA	ug/l	1 U	1 U	1 U	1 UJ
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l	20 U	20 U	20 U	20 UJ
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l	10 U	10 U	10 U	10 UJ
8260D	Methylcyclohexane	108-87-2	NA	ug/l	1 U	1 U	1 U	1 UJ
8260D	Methylene Chloride	75-09-2	NA	ug/l	5 U	5 U	5 U	5 U
8260D	Naphthalene	91-20-3	NA	ug/l	2 U	2 U	2 U	2 U
8260D	N-Butylbenzene	104-51-8	NA	ug/l	1 U	1 U	1 U	1 U
8260D	N-Propylbenzene	103-65-1	NA	ug/l	1 U	1 U	1 U	1 U
8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Sec-Butylbenzene	135-98-8	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Styrene	100-42-5	NA	ug/l	1 U	1 U	1 U	1 U
8260D	T-Butylbenzene	98-06-6	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Tert-Butyl Alcohol	75-65-0	NA	ug/l	20 U	20 U	20 U	20 U
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l	1 UJ	1 UJ	1 UJ	1 U
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Tetrahydrofuran	109-99-9	NA	ug/l	10 U	10 U	10 U	10 UJ
8260D	Toluene	108-88-3	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l	0.5 U	0.5 U	0.5 U	0.5 U
8260D	Trans-1,4-Dichloro-2-Butene	110-57-6	NA	ug/l	2 UJ	2 UJ	2 UJ	2 UJ
8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l	1 U	1 U	1 U	1 U
8260D	Trichlorofluoromethane	75-69-4	NA	ug/l	2 U	2 U	2 U	2 U
8260D	Vinyl Chloride	75-01-4	NA	ug/l	2 U	2 U	2 U	R
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l		10 U	10 U	10 U
8270E	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l		5.1 U	5 U	5 U
8270E	1,2-Dichlorobenzene	95-50-1	NA	ug/l		5.1 U	5 U	5 U
8270E	1,2-Diphenylhydrazine	122-66-7	NA	ug/l		10 UJ	10 UJ	10 U
8270E	1,3-Dichlorobenzene	541-73-1	NA	ug/l		5.1 U	5 U	5 U
8270E	1,4-Dichlorobenzene	106-46-7	NA	ug/l		5.1 U	5 U	5 U

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Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
8270E	1-Methylnaphthalene	90-12-0	NA	ug/l		5.1 U	5 U	5 U
8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l		10 U	10 U	10 U
8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l		10 U	10 U	10 U
8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l		10 U	10 U	10 U
8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l		10 U	10 U	10 U
8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l		10 UJ	10 UJ	10 UJ
8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l		10 U	10 U	10 U
8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l		10 U	10 U	10 U
8270E	2-Chloronaphthalene	91-58-7	NA	ug/l		10 U	10 U	10 U
8270E	2-Chlorophenol	95-57-8	NA	ug/l		10 U	10 U	10 U
8270E	2-Methylnaphthalene	91-57-6	NA	ug/l		5.1 U	5 U	5 U
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l		10 U	10 U	10 U
8270E	2-Nitroaniline	88-74-4	NA	ug/l		10 UJ	10 UJ	10 U
8270E	2-Nitrophenol	88-75-5	NA	ug/l		10 U	10 U	10 U
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l		10 U	10 U	10 U
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l		10 U	10 U	10 U
8270E	3-Nitroaniline	99-09-2	NA	ug/l		10 U	10 U	10 U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l		10 U	10 U	10 U
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l		10 U	10 U	10 U
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l		10 U	10 U	10 U
8270E	4-Chloroaniline	106-47-8	NA	ug/l		10 U	10 U	10 U
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l		10 U	10 U	10 U
8270E	4-Nitroaniline	100-01-6	NA	ug/l		10 U	10 U	10 U
8270E	4-Nitrophenol	100-02-7	NA	ug/l		10 UJ	10 UJ	10 U
8270E	Acenaphthene	83-32-9	NA	ug/l		5.1 U	5 U	5 U
8270E	Acenaphthylene	208-96-8	NA	ug/l		5.1 U	5 U	5 U
8270E	Acetophenone	98-86-2	NA	ug/l		10 U	10 U	10 U
8270E	Aniline	62-53-3	NA	ug/l		5.1 U	5 U	5 UJ
8270E	Anthracene	120-12-7	NA	ug/l		5.1 U	5 U	5 U
8270E	Benzidine	92-87-5	NA	ug/l		20 UJ	20 UJ	20 UJ
8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l		5.1 U	5 U	5 U
8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l		5.1 U	5 U	5 U
8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l		5.1 U	5 U	5 U
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l		5.1 U	5 U	5 U
8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l		5.1 U	5 U	5 U
8270E	Benzoic Acid	65-85-0	NA	ug/l		10 U	10 U	10 UJ
8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l		10 U	10 U	10 U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l		10 U	10 U	10 U
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l		10 UJ	10 UJ	10 U
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l		10 UJ	10 UJ	10 U
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l		10 UJ	10 UJ	10 U
8270E	Carbazole	86-74-8	NA	ug/l		10 U	10 U	10 U
8270E	Chrysene	218-01-9	NA	ug/l		5.1 U	5 U	5 U
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l		5.1 U	5 U	5 U
8270E	Dibenzofuran	132-64-9	NA	ug/l		5.1 U	5 U	5 U
8270E	Diethyl Phthalate	84-66-2	NA	ug/l		10 U	10 U	10 U
8270E	Dimethyl Phthalate	131-11-3	NA	ug/l		10 U	10 U	10 U
8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l		10 U	10 U	10 U
8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l		10 U	10 U	10 U

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	TSA-GW-TB-01-20221209 WQ 22L1533-03 22L1533 12/9/2022 TB	TSA-MW-01 TSA-MW-01-20221209 WG 22L1533-04 22L1533 12/9/2022 N	TSA-MW-01 TSA-MW-01-20221209-D WG 22L1533-05 22L1533 12/9/2022 FD	TSA-MW-02 TSA-MW-02-2022-12-08 WG 22L1411-01 22L1411 12/8/2022 N
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
8270E	Fluoranthene	206-44-0	NA	ug/l		5.1 U	5 U	5 U
8270E	Fluorene	86-73-7	NA	ug/l		5.1 U	5 U	5 U
8270E	Hexachlorobenzene	118-74-1	NA	ug/l		10 U	10 U	10 U
8270E	Hexachlorobutadiene	87-68-3	NA	ug/l		10 U	10 U	10 U
8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l		10 U	10 U	10 U
8270E	Hexachloroethane	67-72-1	NA	ug/l		10 U	10 U	10 U
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l		5.1 U	5 U	5 U
8270E	Isophorone	78-59-1	NA	ug/l		10 U	10 U	10 U
8270E	Naphthalene	91-20-3	NA	ug/l		5.1 U	5 U	5 U
8270E	Nitrobenzene	98-95-3	NA	ug/l		10 U	10 U	10 U
8270E	N-Nitrosodimethylamine	62-75-9	NA	ug/l		10 UJ	10 UJ	10 U
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l		10 UJ	10 UJ	10 U
8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l		10 U	10 U	10 U
8270E	Pentachloronitrobenzene	82-68-8	NA	ug/l		10 U	10 U	10 U
8270E	Pentachlorophenol	87-86-5	NA	ug/l		10 UJ	10 UJ	10 UJ
8270E	Phenanthrene	85-01-8	NA	ug/l		5.1 U	5 U	5 U
8270E	Phenol	108-95-2	NA	ug/l		10 U	10 U	10 U
8270E	Pyrene	129-00-0	NA	ug/l		5.1 U	5 U	5 U
8270E	Pyridine	110-86-1	NA	ug/l		5.1 U	5 U	5 UJ
E1664	Sgt Hem (Oil And Grease - Nonpolar	OILGREASENONP	T	mg/l		1.5 U	1.5 U	2.2
E537(M)	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l		1.9 UJ	1.9 UJ	1.9 UJ
E537(M)	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l		1.9 U	1.9 UJ	1.9 U
E537(M)	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluoro-1-butanefulfonamide (FBSA)	30334-69-1	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluorobutanefulfonic acid (PFBS)	375-73-5	T	ng/l		1.9 U	1.9 U	5.9
E537(M)	Perfluorobutanoic Acid	375-22-4	T	ng/l		1.9 U	1.9 U	2
E537(M)	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l		1.9 U	1.9 U	1 J
E537(M)	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l		1.9 U	1.9 U	2.1
E537(M)	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l		1.9 U	1.9 U	1.9
E537(M)	Perfluorononanesulfonic acid (PFNS)	68259-12-1	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l		1.9 U	1.9 U	1.9 U
E537(M)	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l		1.9 U	1.9 U	1.3 J
E537(M)	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l		1.9 U	1.9 U	2.2

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	TSA-GW-TB-01-20221209 WQ 22L1533-03 22L1533 12/9/2022 TB	TSA-MW-01 TSA-MW-01-20221209 WG 22L1533-04 22L1533 12/9/2022 N	TSA-MW-01 TSA-MW-01-20221209-D WG 22L1533-05 22L1533 12/9/2022 FD	TSA-MW-02 TSA-MW-02-2022-12-08 WG 22L1411-01 22L1411 12/8/2022 N
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit					
E537(M)	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l			1.9 U	1.9 U	1.9 U
E537(M)	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l			1.9 U	1.9 U	2.5 U
E537(M)	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l			1.9 U	1.9 U	1.9 U
E537(M)	Perfluorotridecanoic Acid (PFTrIA/PFTrDA)	72629-94-8	T	ng/l			1.9 U	1.9 U	1.9 U
E537(M)	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l			1.9 U	1.9 U	1.9 U
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l			0.54 U	0.54 U	0.51 U
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l			0.54 U	0.54 U	0.51 U
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l			0.11 U	0.11 U	0.1 U
SW8151	Dalapon	75-99-0	NA	ug/l			1.4 U	1.4 U	1.3 U
SW8151	Dicamba	1918-00-9	NA	ug/l			0.054 U	0.054 U	0.051 U
SW8151	Dichloroprop	120-36-5	NA	ug/l			0.54 U	0.54 U	0.51 U
SW8151	Dinoseb	88-85-7	NA	ug/l			0.27 U	0.27 U	0.26 U
SW8151	MCPA	94-74-6	NA	ug/l			54 U	54 U	51 U
SW8151	Mecoprop	93-65-2	NA	ug/l			54 U	54 U	51 U
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	ug/l			0.054 U	0.054 U	0.051 U
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l			0.21 U	0.21 U	0.2 U