NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

March 20, 2025

Michelle Caulfield, Superintendent
Corning – Painted Post Area School District
165 Charles St.
Painted Post, NY 14870

Re: William E. Severn Elementary School Soil Investigation Summary
NYSDEC Site: Investigation and Site Characterization of the Glass Manufacturing Waste Disposal Area in the Greater Corning Area of New York (Site #851074)

Dear Michelle Caulfield:

Thank you for your cooperation during the work completed to date. This work is vital to ensuring the health and safety of the entire Corning community.

We are enclosing a copy of the soil investigation summary for your records. This report summarizes the lab testing results for detected compounds from the soil borings collected at the school. These results have been compared against regulatory cleanup objectives and guidance values, based on 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs) for restricted-residential use (NYSDEC 2006). To provide some context, restricted-residential SCOs are applicable to properties where there is common or single ownership for managing the property and allows for recreational use with the potential for soil contact (such as an apartment complex or a school property). Based on the results of this investigation, there are no immediate exposure risks associated with glass manufacturing waste (i.e., ash, brick and/or glass (ABG)) on the William E. Severn Elementary School property.

As you review the report, you will notice that no ABG was observed throughout the four-foot depth of the soil borings. Additionally, none of the analyses showed exceedances of the restricted-residential SCOs. Nevertheless, DEC should be notified of any upcoming intrusive work or if ABG is encountered to ensure the material is handled appropriately. Best management practices for minimizing exposure to ABG are included as **Appendix E.**

Should you have any questions or require additional information, please contact Samantha Salotto at 518-402-9903 or samantha.salotto@dec.ny.gov. If you should have any health-related questions, please contact John Robinson of the NYSDOH at 518-402-7881 or johnathan.robinson@health.ny.gov.

Thank you once again for your continued cooperation and support.

Sincerely,

Michael J. Cruden, P.E.
Director, Remedial Bureau E
Division of Environmental Remediation

[Enclosure]

ec: S. Salotto, NYSDEC
J. Robinson, NYSDOH

WILLIAM E. SEVERN ELEMENTARY SCHOOL SOIL INVESTIGATION SUMMARY

Investigation and Site Characterization of the Glass Manufacturing Waste Disposal Area in the Greater Corning Area of New York

Corning, Steuben County, New York

Prepared for:

NEW YORK STATE | 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:

PARSONS

301 Plainfield Road
Suite 350
Syracuse, New York 13212

MARCH 2025

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

PROJECT BACKGROUND

The New York State Department of Environmental Conservation (NYSDEC) is conducting an area-wide investigation of contamination in the greater Corning, New York area, focusing on hazardous waste and substances linked to historical glass manufacturing and waste disposal. In 2012, fill containing waste materials from former glass manufacturing processes, now known as ash, brick, and/or glass (ABG), was encountered during a capital improvement project at the Corning-Painted Post High School. Since 2012, over seventy locations have been identified as having confirmed or suspected ABG.

Investigations to date in the greater Corning, New York area have included collection of surface soil, subsurface soil, sediment, surface water and groundwater samples. Findings from sampling have identified ABG and/or elevated concentrations of metals (most frequently arsenic, cadmium, and lead) and semi-volatile organic compounds (SVOCs) above NYSDEC soil cleanup objectives (SCOs; NYSDEC 2006) at residential, recreational, and commercial/industrial properties.

As part of the Investigation and Site Characterization of the Glass Manufacturing Waste Disposal Area in the Greater Corning Area of New York, four schools (William E. Severn, Hugh W. Gregg, Winfield Street, and Frederick Carder elementary schools) have been identified for investigation. These schools were selected due to their proximity to sites with confirmed ABG. There were no reports of historic waste disposal or observations of ABG on the school property prior to the investigation. The intent of the school investigations is to assess the potential presence of ABG and the potential impacts from these materials in the surface and subsurface soils.

As shown on **Figure 1**, the William E. Severn Elementary School is located near several sites with confirmed ABG. This report details the results of the initial sampling at William E. Severn Elementary School in August and October 2024 to assess the potential presence and impact of (ABG) in surface and subsurface soils.

SUMMARY OF WORK COMPLETED

Field activities were conducted in general accordance with the *Initial Investigation Work Plan for Corning Painted-Posted Area School District Properties* (Work Plan; Parsons 2024), with any variances from the Work Plan described herein. School specific plans were developed in conjunction with the *Site Characterization Work Plan, Corning Area Wide Study* (Work Plan; Parsons 2023) In addition, field activities were completed in accordance with DER-10 (NYSDEC 2010) and the following documents that prepared and approved for Parsons' contract with the NYSDEC:

- Generic Field Activities Plan (FAP; Parsons 2020a)
- Project Safety, Health and Environmental Plan, Corning Inc. Sites, Corning, NY (PSHEP, Parsons 2024)
- Quality Assurance Project Plan, Corning Area Wide Study (QAPP, Parsons 2023)

Soil Boring Installation and Sample Collection

Fifteen soil borings were advanced manually via a hand auger to a depth of four feet below ground surface within areas of non-impervious surfaces at the school, as shown on **Figure 2**. Boring logs and photographs of recovered soils are included in **Appendix A and Appendix B**, respectively**.** The soil boring locations were recorded using a hand-held global positioning system (GPS) unit. Due to the presence of large cobbles and challenging hand augering conditions, several borings were offset by several feet from the planned locations. At several borings,

refusal occurred at depths shallower than four feet below ground surface (bgs), and is noted in the boring logs included in **Appendix A.**

Soil samples were collected and logged continuously from 0 to 4 feet bgs at each boring location. Each soil sample was also screened for the presence of volatile organic compounds (VOCs) with a photoionization detector (PID) and readings were recorded on the boring logs. Observations of any debris and ABG are noted in **Table 1.**

Soil samples were collected at each boring location from 0 to 6 inches, 6 to 24 inches, and 24 to 48 inches. Soils from each interval were composited across five borings to create a single five-point composite sample, for a total of nine composite samples across three areas of the school property, as shown on **Figure 2**. Soils were placed into laboratory provided sample jars and submitted for laboratory analysis. All soil samples were analyzed for total metals, including boron and mercury. In addition, 20 percent of soil samples (one sample) was also analyzed for SVOCs, per- and polyfluoroalkyl substances (PFAS) and 1,4–dioxane to achieve the minimum 20 percent analysis frequency for samples collected as part of the area-wide investigation. The soil samples were not analyzed for Toxicity Characteristic Leaching Procedure (TCLP) analysis and would not be expected to exceed TCLP criteria given that the total metals concentrations for all soil samples were below the most protective (i.e., unrestricted) SCOs.

The New York State Department of Health (NYSDOH) generic Community Air Monitoring Plan (CAMP) (NYSDEC 2010) was implemented for real-time monitoring of VOCs and particulates (i.e., dust) at the upwind and downwind perimeter of each designated work area during intrusive activities on-site. CAMP data is summarized in the tables below and included as **Appendix C.** No downwind VOC concentrations were observed to exceed the action limit of 5.0 parts per million (ppm) above upwind concentrations. No downwind particulate concentrations were observed to exceed the action limit of 0.100 milligrams per cubic meter (mg/m^3) above upwind concentrations.

DAILY CAMP READINGS – AVERAGE AND PEAK VOC CONCENTRATIONS

	Upwind VOC Concentrations		Downwind VOC Concentrations	
Date	Average (ppm)	Peak (ppm)	Average (ppm)	Peak (ppm)
8/26/2024	0.8	1.1	0.1	0.2
8/27/2024	0.8	1.6	0.1	0.2
8/28/2024	0.1	0.4	0.0	0.6
10/12/2024	0.0	0.0	0.0	0.1

ppm – parts per million

DAILY CAMP READINGS – AVERAGE AND PEAK PARTICULATE CONCENTRATIONS

	Upwind Particulate Concentrations		Downwind Particulate Concentrations	
Date	Average (mg/m^3)	Peak (mg/m^3)	Average (mg/m^3)	Peak (mg/m^3)
8/26/2024	0.043	0.048	0.031	0.037
8/27/2024	0.037	0.040	0.036	0.040
8/28/2024	0.021	0.048	0.003	0.016
10/12/2024	0.004	0.013	0.005	0.016

mg/m3 – milligrams per cubic meter

Results

No ABG was observed at William E. Severn Elementary School. Some building brick fragments, slag, fabric and metal pieces were encountered. These items alone do not suggest the presence of ABG; however, due to the sporadic and heterogeneous nature of ABG, future intrusive work or investigation may identify additional lines of evidence that ABG and/or related impacts could be present at the property.

The quality of the data has been assessed and is documented in the Data Usability Summary Report (DUSR), which is included as **Appendix D**. Validated data have been submitted to NYSDEC for upload into the NYSDEC EQUIS database.

Sample results were compared to unrestricted and restricted-residential SCOs (NYSDEC 2006) and the NYSDEC PFAS restricted-residential guidance values (NYSDEC 2023). The unrestricted SCOs are the most stringent standard that allows for use with no imposed restrictions on the property (i.e., no risk to receptors). The restricted-residential SCOs are applicable to properties where there is common or single ownership for managing the property and allows for recreational use with the potential for soil contact (such as an apartment complex or a school property), excluding vegetable gardens. Restricted-residential standards are applicable to the top two feet of soils not covered by structures (e.g., buildings, sidewalks, pavement).

A summary of detected concentrations and the corresponding unrestricted and restricted-residential SCOs is included in **Table 2**. None of the soil samples collected at William E. Severn Elementary School had concentrations exceeding either the unrestricted or restricted-residential SCOs. The full analytical results are included in the DUSR (**Appendix D**).

Investigation-Derived Waste Management

Investigation-derived waste (IDW), including decontamination rinsates, personal protective equipment, and disposable sampling equipment were placed in U.S. Department of Transportation (DOT)-approved 55-gallon 17-H type drums. NYSDEC's IDW contractor, T&R Environmental, collected characterization samples of the IDW, submitted the samples for analysis, and subsequently removed the IDW drums from the property for disposal at a licensed facility.

Site Restoration

During the investigation, care was taken to preserve the grass at the borehole locations. After sampling was completed, each borehole was backfilled with the remaining soil and additional topsoil as needed, from the total depth to the ground surface. The surface was then regraded by hand, and the grass layer was replaced. The ground surface was restored to its original condition prior to the intrusive activities.

Recommendations

No ABG was observed throughout the four-foot depth of the soil borings. Additionally, none of the analyses showed exceedances of the restricted-residential SCOs. Although no ABG or SCO exceedances were identified, the evaluation was limited in scope. Due to the sporadic and heterogeneous nature of ABG, there remains the potential for ABG to be encountered elsewhere on the property. Based on the results of this investigation, there are no immediate exposure risks associated with ABG. NYSDEC should be notified of any upcoming intrusive

work or if ABG is encountered. Best management practices for minimizing exposure to ABG are included as **Appendix E.**

REFERENCES

Burmister, D. M. 1951. *Principles and techniques of soil identification. Proceedings of the American Society of Civil Engineers*

NYSDEC. 2006. *New York Code of Rules and Regulation, Title 6, Part 375 Environmental Remediation Programs.* December 14.

NYSDEC. 2023. *Sampling, Analysis, and Assessment of Per-and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*. April.

NYSDEC. 2010. DER-10 / Technical Guidance for Site Investigation and Remediation. May 3.

Parsons. 2020a. *Generic Field Activities Plan (FAP).* Prepared for the New York State Department of Environmental Conservation, Albany, NY. April.

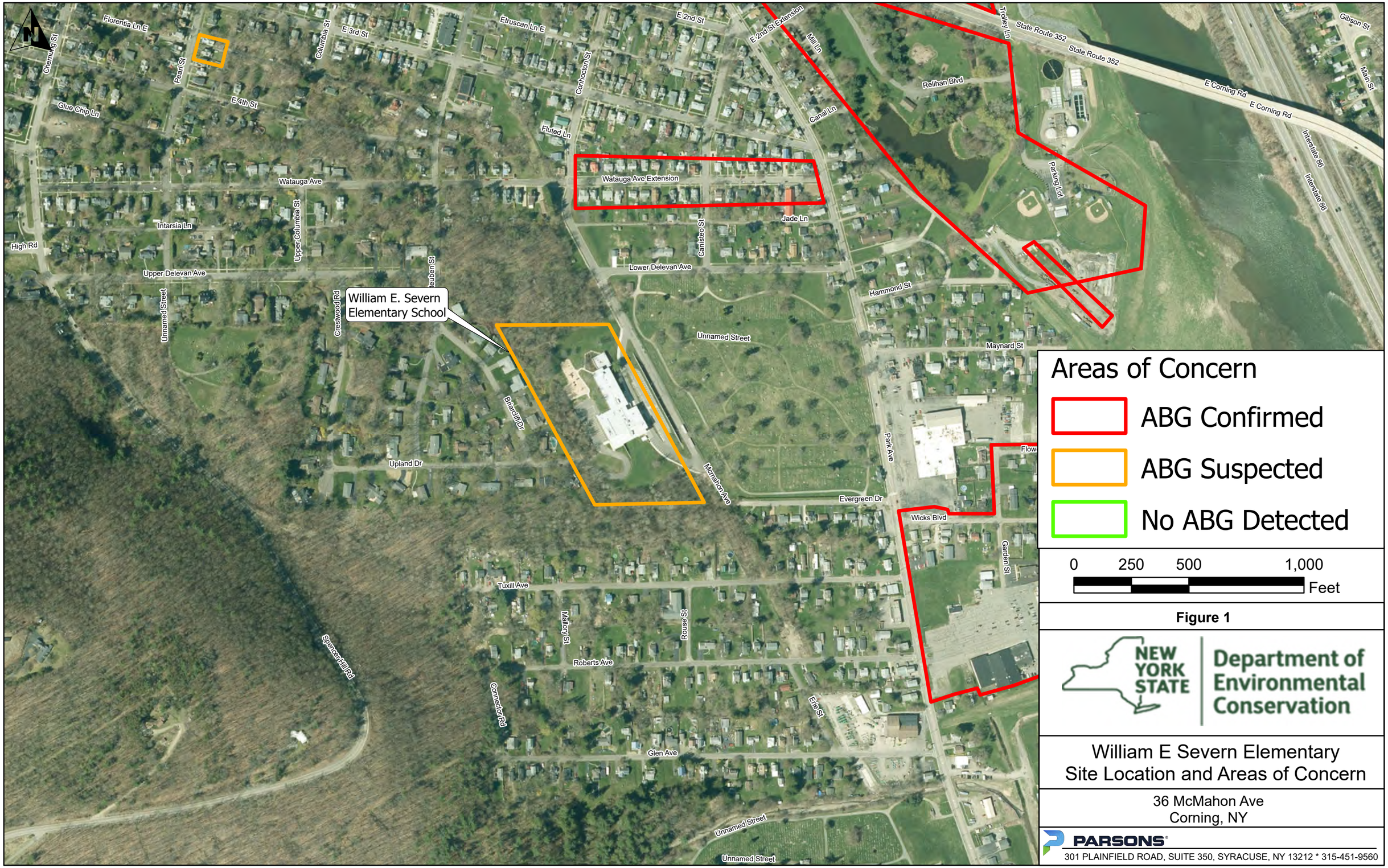
Parsons. 2023 Quality Assurance Project Plan, Corning Area Wide Study. Prepared for the New York State Department of Environmental Conservation, Albany, NY. February

Parsons. 2023. *Site Characterization Work Plan, Corning Area Wide Study.* Prepared for the New York State Department of Environmental Conservation, Albany, NY. March

Parsons. 2024. Project Safety, Health and Environmental Plan, Corning Inc. Sites, Corning, NY Prepared for the New York State Department of Environmental Conservation, Albany, NY. April.

Parsons. 2024. *Initial Investigation Work Plan, Corning-Painted Post Area School District Properties.* Prepared for the New York State Department of Environmental Conservation, Albany, NY. August.

FIGURES



Areas of Concern

- ABG Confirmed
- ABG Suspected
- No ABG Detected

0 250 500 1,000 Feet

Figure 1

NEW YORK STATE | Department of Environmental Conservation

William E Severn Elementary Site Location and Areas of Concern

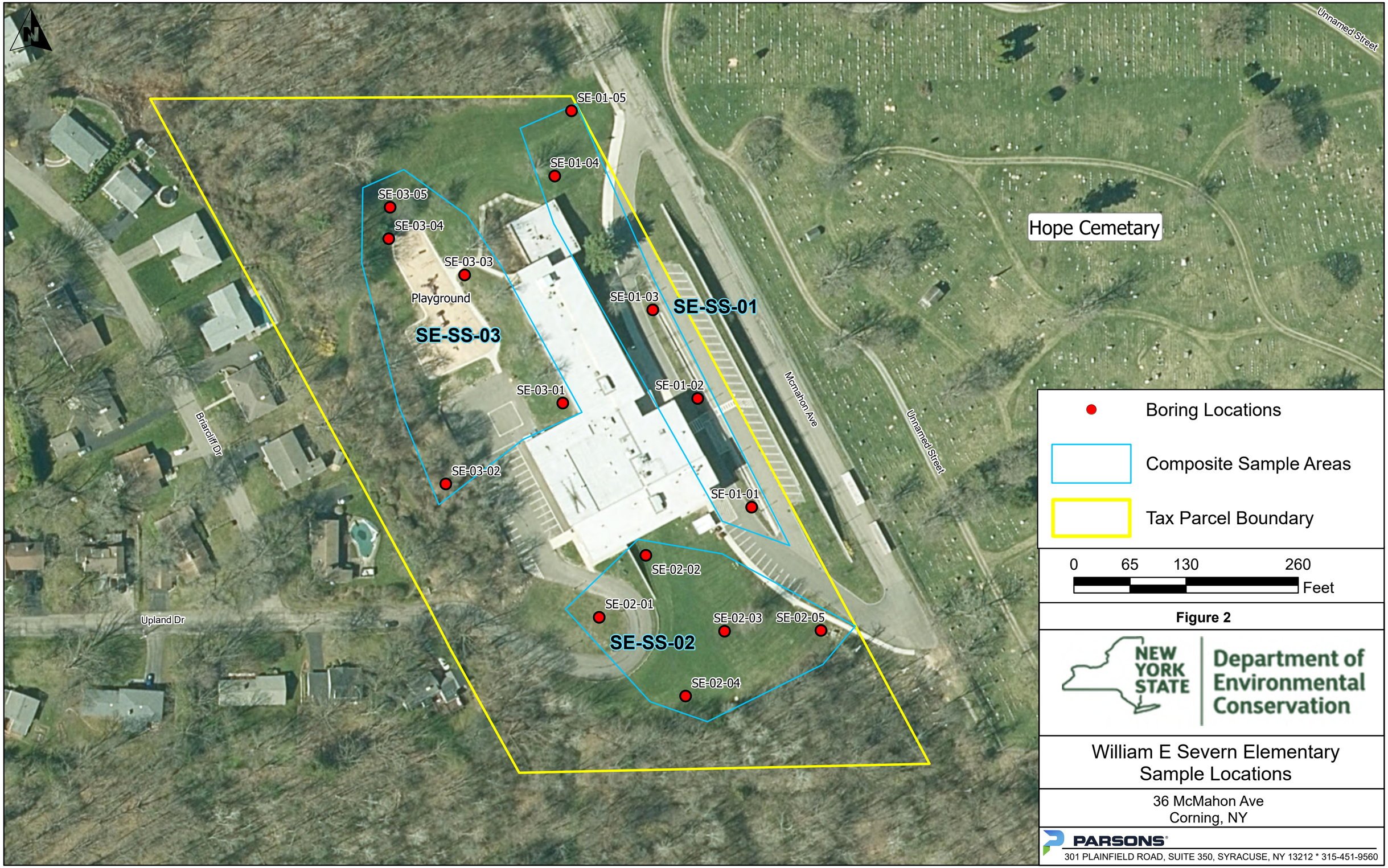
36 McMahon Ave
Corning, NY

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

Plotted By: CS

Plot Date: 2/27/2025

Document Path: Q:\GIS\NYSDEC\Corning\APRXs\Corning Schools\Corning Schools.aprx



Boring Locations

Composite Sample Areas

Tax Parcel Boundary

0 65 130 260

Feet

Figure 2

NEW YORK STATE | Department of Environmental Conservation

William E Severn Elementary Sample Locations

36 McMahon Ave
Corning, NY

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

Plotted By: CS

Plot Date: 3/24/2025

Document Path: Q:\GIS\NYSDEC\Corning\APRXs\Corning Schools\Corning Schools.aprx

TABLES

Table 1 Soil Observations

School	Sample Date	Sample Location	Non -Native Material Encountered	Archive Sample Collected
Severn	8/26/2024	SE-01-01	black fabric, small orange brick fragment at 3.75ft	No
Severn	8/26/2024	SE-01-02	small orange brick fragment between 0-2ft	No
Severn	8/26/2024 and 8/27/2024	SE-01-03	No	No
Severn	8/27/2024	SE-01-04	No	No
Severn	8/27/2024	SE-01-05	No	No
Severn	8/27/2024	SE-02-01	No	No
Severn	8/27/2024	SE-02-02	slag at 1ft	No
Severn	8/27/2024 and 8/28/2024	SE-02-03	No	No
Severn	8/28/2024	SE-02-04	No	No
Severn	8/28/2024	SE-02-05	No	No
Severn	10/12/2024	SE-03-01	No	No
Severn	10/12/2024	SE-03-02	No	No
Severn	10/12/2024	SE-03-03	small piece of slag and metal bracket encountered at 4 inches	No
Severn	10/12/2024	SE-03-04	slag ay 4ft	No
Severn	10/12/2024	SE-03-05	No	No

Table 2 Soil Detections

				Location ID	AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-01	
				Sample ID	AWS-SE-SS-01-0-0.5		AWS-SE-SS-01-0.5-2		AWS-SE-SS-01-2-4		AWS-SE-SS-01-2-4-D	
				Start Depth	0		0.5		2		2	
				End Depth	0.5		2		4		4	
				Matrix	SO		SO		SO		SO	
				Sample Date	8/27/2024		8/27/2024		8/27/2024		8/27/2024	
				Sample Type Code	N		N		N		FD	
Chemical Name	Unit	RESTRICTED RESIDENTIAL	UNRESTRICTED									
Benzo(A)Anthracene	mg/kg	1	1									
Benzo(A)Pyrene	mg/kg	1	1									
Benzo(B)Fluoranthene	mg/kg	1	1									
Benzo(G,H,I)Perylene	mg/kg	100	100									
Benzo(K)Fluoranthene	mg/kg	3.9	0.8									
Bis(2-Ethylhexyl) Phthalate	mg/kg											
Chrysene	mg/kg	3.9	1									
Fluoranthene	mg/kg	100	100									
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5									
Phenanthrene	mg/kg	100	100									
Pyrene	mg/kg	100	100									
Solids, Percent	%				87.8		89		89.1		88.8	
Perfluorodecanesulfonic acid (PFDS)	ug/kg											
Perfluorodecanoic acid (PFDA)	ug/kg											
Perfluoroheptanoic acid (PFHpA)	ug/kg											
Perfluorohexanoic acid (PFHxA)	ug/kg											
Perfluorononanoic acid (PFNA)	ug/kg											
Perfluorooctanesulfonic acid (PFOS)	ug/kg	44	0.88									
Perfluorooctanoic acid (PFOA)	ug/kg	33	0.66									
Perfluoropentanoic Acid (PFPeA)	ug/kg											
Perfluoroundecanoic Acid (PFUnA)	ug/kg											
Aluminum	mg/kg				12000		13000		12000		12000	
Arsenic	mg/kg	16	13		3.8	U	3.6	U	0.83	J	9.4	J
Barium	mg/kg	400	350		85		100		100		110	J+
Beryllium	mg/kg	72	7.2		0.4		0.44		0.45		0.53	J+
Boron	mg/kg	4300	440		2.3	J	1.8	J	3.7	UJ	3.7	UJ
Cadmium	mg/kg	4.3	2.5		0.23	J	0.18	J	0.37	U	0.37	U
Calcium	mg/kg				7500		4900		2100		3400	
Chromium, Total	mg/kg	180	30		11		13		12		14	
Cobalt	mg/kg				7.4		8.7		8.7		9.5	
Copper	mg/kg	270	50		20		19		18		21	
Iron	mg/kg				19000		29000		30000		26000	
Lead	mg/kg	400	63		17		13		11		11	
Magnesium	mg/kg				3800		3800		3300		3800	
Manganese	mg/kg	2000	1600		390		380		370		460	J+
Nickel	mg/kg	310	30		17		18		19		22	
Potassium	mg/kg				920		900		780		960	
Sodium	mg/kg				78	J	170	J	340		380	
Vanadium	mg/kg				14		15		15		17	
Zinc	mg/kg	10000	109		52		50		51		63	
Mercury	mg/kg	0.81	0.18		0.084		0.052		0.013	J	0.013	J

Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs
Subpart 375-6, December 2006
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;
N = normal sample; FD = field duplicate; SO = soil;
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

Table 2 Soil Detections

				Location ID	AWS-SE-SS-02		AWS-SE-SS-02		AWS-SE-SS-02	
				Sample ID	AWS-SE-SS-02-0-0.5		AWS-SE-SS-02-0.5-2		AWS-SE-SS-02-2-4	
				Start Depth	0		0.5		2	
				End Depth	0.5		2		4	
				Matrix	SO		SO		SO	
				Sample Date	8/28/2024		8/28/2024		8/28/2024	
				Sample Type Code	N		N		N	
Chemical Name	Unit	RESTRICTED RESIDENTIAL	UNRESTRICTED							
Benzo(A)Anthracene	mg/kg	1	1	0.12	J					
Benzo(A)Pyrene	mg/kg	1	1	0.13	J					
Benzo(B)Fluoranthene	mg/kg	1	1	0.19	J					
Benzo(G,H,I)Perylene	mg/kg	100	100	0.099	J					
Benzo(K)Fluoranthene	mg/kg	3.9	0.8	0.08	J					
Bis(2-Ethylhexyl) Phthalate	mg/kg			0.054	J					
Chrysene	mg/kg	3.9	1	0.16	J					
Fluoranthene	mg/kg	100	100	0.25						
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5	0.1	J					
Phenanthrene	mg/kg	100	100	0.099	J					
Pyrene	mg/kg	100	100	0.24						
Solids, Percent	%			84.2		88.3		88.8		
Perfluorodecanesulfonic acid (PFDS)	ug/kg			0.073	J					
Perfluorodecanoic acid (PFDA)	ug/kg			0.057	J					
Perfluoroheptanoic acid (PFHpA)	ug/kg			0.044	J					
Perfluorohexanoic acid (PFHxA)	ug/kg			0.049	J					
Perfluorononanoic acid (PFNA)	ug/kg			0.09	J					
Perfluorooctanesulfonic acid (PFOS)	ug/kg	44	0.88	0.47						
Perfluorooctanoic acid (PFOA)	ug/kg	33	0.66	0.14	J					
Perfluoropentanoic Acid (PFPeA)	ug/kg			0.049	J					
Perfluoroundecanoic Acid (PFUnA)	ug/kg			0.053	J					
Aluminum	mg/kg			8800		12000		11000		
Arsenic	mg/kg	16	13	6.3		6.8		7.8		
Barium	mg/kg	400	350	84		110		110		
Beryllium	mg/kg	72	7.2	0.4		0.51		0.51		
Boron	mg/kg	4300	440	3.8	U	3.7	U	3.7	U	
Cadmium	mg/kg	4.3	2.5	0.38	U	0.37	U	0.37	U	
Calcium	mg/kg			1600		2600		3500		
Chromium, Total	mg/kg	180	30	10		13		14		
Cobalt	mg/kg			6.8		8.6		9.6		
Copper	mg/kg	270	50	13		17		19		
Iron	mg/kg			19000		26000		27000		
Lead	mg/kg	400	63	17		11		9.8		
Magnesium	mg/kg			2300		3400		3900		
Manganese	mg/kg	2000	1600	440		420		410		
Nickel	mg/kg	310	30	14		19		21		
Potassium	mg/kg			650		740		1000		
Sodium	mg/kg			160	J	140	J	150	J	
Vanadium	mg/kg			13		17		16		
Zinc	mg/kg	10000	109	42		53		55		
Mercury	mg/kg	0.81	0.18	0.027	J	0.026	J	0.02	J	

Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Progra
Subpart 375-6, December 2006
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;
N = normal sample; FD = field duplicate; SO = soil;
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

Table 2 Soil Detections

				Location ID	AWS-SE-SS-03		AWS-SE-SS-03		AWS-SE-SS-03	
				Sample ID	AWS-SE-SS-03-0-0.5		AWS-SE-SS-03-0.5-2		AWS-SE-SS-03-2-4	
				Start Depth	0		0.5		2	
				End Depth	0.5		2		4	
				Matrix	SO		SO		SO	
				Sample Date	10/12/2024		10/12/2024		10/12/2024	
				Sample Type Code	N		N		N	
Chemical Name	Unit	RESTRICTED RESIDENTIAL	UNRESTRICTED							
Benzo(A)Anthracene	mg/kg	1	1							
Benzo(A)Pyrene	mg/kg	1	1							
Benzo(B)Fluoranthene	mg/kg	1	1							
Benzo(G,H,I)Perylene	mg/kg	100	100							
Benzo(K)Fluoranthene	mg/kg	3.9	0.8							
Bis(2-Ethylhexyl) Phthalate	mg/kg									
Chrysene	mg/kg	3.9	1							
Fluoranthene	mg/kg	100	100							
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5							
Phenanthrene	mg/kg	100	100							
Pyrene	mg/kg	100	100							
Solids, Percent	%			88.3		84.2		83.1		
Perfluorodecanesulfonic acid (PFDS)	ug/kg									
Perfluorodecanoic acid (PFDA)	ug/kg									
Perfluoroheptanoic acid (PFHpA)	ug/kg									
Perfluorohexanoic acid (PFHxA)	ug/kg									
Perfluorononanoic acid (PFNA)	ug/kg									
Perfluorooctanesulfonic acid (PFOS)	ug/kg	44	0.88							
Perfluorooctanoic acid (PFOA)	ug/kg	33	0.66							
Perfluoropentanoic Acid (PFPeA)	ug/kg									
Perfluoroundecanoic Acid (PFUnA)	ug/kg									
Aluminum	mg/kg			10000		12000		13000		
Arsenic	mg/kg	16	13	9.1		10		11		
Barium	mg/kg	400	350	120	J+	130	J+	150	J+	
Beryllium	mg/kg	72	7.2	0.49		0.53		0.57		
Boron	mg/kg	4300	440	1.9	J	3.9	U	2	J	
Cadmium	mg/kg	4.3	2.5	0.36	U	0.39	U	0.39	U	
Calcium	mg/kg			12000		5700		6000		
Chromium, Total	mg/kg	180	30	13		15		16		
Cobalt	mg/kg			8.5		9.9		11		
Copper	mg/kg	270	50	18	J+	21	J+	25	J+	
Iron	mg/kg			24000		28000		30000		
Lead	mg/kg	400	63	15		13		12		
Magnesium	mg/kg			4500		4400		5000		
Manganese	mg/kg	2000	1600	460		430		460		
Nickel	mg/kg	310	30	19		23		24		
Potassium	mg/kg			770		710		930		
Sodium	mg/kg			65	J	200	U	200	U	
Vanadium	mg/kg			13		14		15		
Zinc	mg/kg	10000	109	54		55		59		
Mercury	mg/kg	0.81	0.18	0.025	J	0.018	J	0.015	J	

Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Progra
Subpart 375-6, December 2006
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;
N = normal sample; FD = field duplicate; SO = soil;
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

APPENDIX A BORING LOGS

The following logs utilize Burmeister soil classification system. For this system component percentages range from “trace” to “and”; grain sizes of coarse-grained components range from “fine” to “coarse”. The symbols (+) and (-) to indicate the description is one the upper or lower end of the description range, respectively. For example, trace (+) indicates that the component is closer to 10% than it is to 1%; and a fine (-) grained Gravel is closer to a No. 10 sieve than to 1inch.

Identifying terms for clay-soils are given on a significant plasticity basis. Since the clay and silt components cannot be separated for identification purposes, the identifying soil names for the combined silt-clay components are coupled directly together and are treated as one soil material finer than the No. 200 sieve with names defined on a plasticity basis (Burmeister 1951). Non-plastic is defined as SILT, slight plasticity is defined as Clayey SILT, low plasticity is defined as SILT and CLAY, medium plasticity is defined as CLAY and SILT, high plasticity is defined as Silty CLAY, and very high plasticity is defined as CLAY. Due to slight differences in definitions and plasticity limits, high plasticity clays as typically defined by USCS would include CLAY and SILT, Silty CLAY, and CLAY, and low plasticity clays as typically defined by the USCS would include SILT, Clayey SILT, and SILT and CLAY.

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	BOREHOLE ID: **SE-01-01**
Project: Corning Area Wide Study	Weather:	START DATE: 08/26/2024 11:30
Region: Corning, NY	Job #: 453071	FINISH DATE: 08/26/2024 12:20
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS 1/2/3/4	RQD	RECOVERY %	PID (ppm)	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown coarse to fine SAND, little Silt, trace (+) coarse to fine Gravel and Cobbles (rounded) [SP]									0
1	dry, brown coarse to fine SAND, little Silt, little (+) coarse to fine Gravel trace (+), little Cobbles (rounded) [SP]									1
2			HC	1	--	--	100	1.1	BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3	moist, dark brown coarse to fine SAND, some (-) Silt, little (+) coarse to fine Gravel, trace Cobbles [SP]									3
4	moist, dark brown and gray-brown coarse to fine SAND, some (+) Silt, little (-) medium to fine gravel; small piece of black fabric material @ 4 feet below ground surface (FT BGS)small orange builidng brick fragment @ 3.75 FT BGS [SP] BOREHOLE TD @ 4 FT BGS									4
5										5

PARSONS

CONTRACTOR: ATL		
DRILLER: S. Wolkiewicz	EQUIPMENT: Hand Auger	
OVERSIGHT: J. Moffitt	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	BOREHOLE ID: **SE-01-02**
Project: Corning Area Wide Study	Weather:	START DATE: 08/26/2024 12:58
Region: Corning, NY	Job #: 453071	FINISH DATE: 08/26/2024 15:00
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS 1/2/3/4	RQD	RECOVERY %	PID (ppm)	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown coarse to fine SAND, some (-) Silt, little coarse to fine Gravel (rounded), trace (-) Cobble; small orange building brick fragment [SM]									0
	dry, dark tannish brown coarse to fine SAND, little coarse to fine Gravel, little (-) Silt, trace Cobble; larger Cobble @ 3 FT BGS [SP]									
1										1
2			HC	1	--	--	100	0.2	BOREHOLE BACKFILLED BACKFILLED WTH CLEAN CUTTINGS	2
3	dry, dark tannish brown to brown coarse to fine SAND, little (+) Silt, little coarse to fine Gravel, trace (+) to little (-) Cobble [SP]									3
4	BOREHOLE TD @ 4 FT BGS									4
5										5

PARSONS

CONTRACTOR: ATL		
DRILLER: S. Wolkiewicz	EQUIPMENT: Hand Auger	
OVERSIGHT: J. Moffitt	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	BOREHOLE ID: **SE-01-03**
Project: Corning Area Wide Study	Weather:	START DATE: 08/26/2024 13:10
Region: Corning, NY	Job #: 453071	FINISH DATE: 08/27/2024 09:05
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS 1/2/3/4	RQD	RECOVERY %	PID (ppm)	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown coarse to fine SAND, little Silt, little (-) coarse to fine Gravel (subrounded) [SP]									0
1	dry, dark tannish brown coarse to fine SAND, little (+) Silt, trace (+) coarse to fine Gravel, trace (-) Cobble [SM]									1
2	dry, grayish brown coarse to fine SAND (mostly fine) and (-) Silt, trace (+) to little (-) coarse to fine Gravel (mostly medium to fine Gravel) (subrounded to subangular) [SM]		HC	1	--	--	100	0.6	BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3	dry, tannish brown medium to fine SAND, some (+) Silt, little (-) to trace (+) coarse to fine Gravel (subangular), trace Cobble (subangular) [SM]									3
4	BOREHOLE TD @ 4 FT BGS									4
5										5

PARSONS

CONTRACTOR: ATL		
DRILLER: S. Wolkiewicz	EQUIPMENT: Hand Auger	
OVERSIGHT: J. Moffitt	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	BOREHOLE ID: **SE-01-04**
Project: Corning Area Wide Study	Weather:	START DATE: 08/27/2024 07:40
Region: Corning, NY	Job #: 453071	FINISH DATE: 08/27/2024 09:20
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS 1/2/3/4	RQD	RECOVERY %	PID (ppm)	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown medium to fine SAND, some (-) Silt, little (-) coarse to fine Gravel (subangular) [SM]									0
1										1
	dry, tannish brown medium to fine SAND, some (+) Silt, little coarse to fine Gravel (subangular to angular), trace (-) subrounded Cobbles (-) [SM]									
2			HC	1	--	--	100	0	BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3										3
4	BOREHOLE TD @ 4 FT BGS									4
5										5

PARSONS

CONTRACTOR: ATL		
DRILLER: S. Wolkiewicz	EQUIPMENT: Hand Auger	
OVERSIGHT: J.Moffitt	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	BOREHOLE ID: **SE-01-05**
Project: Corning Area Wide Study	Weather:	START DATE: 08/27/2024 09:40
Region: Corning, NY	Job #: 453071	FINISH DATE: 08/27/2024 10:50
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS 1/2/3/4	RQD	RECOVERY %	PID (ppm)	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown medium to fine SAND, little Silt, trace coarse to fine Gravel (subangular), trace Cobble (subangular); abundant roots [SP]									0
	dry, brown coarse to fine SAND, little (+) Silt, little (+) coarse to fine Gravel, trace (+) to little (-) Cobble (subrounded to angular [SP]									
1										1
2	dry, light brown coarse to fine SAND, some Silt, little coarse to fine Gravel, trace Cobble (subrounded to subangular) [SM]		HC	1	--	--	100	0	BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3										3
4	BOREHOLE TD @ 4 FT BGS									4
5										5

PARSONS

CONTRACTOR: ATL		
DRILLER: S. Wolkiewicz	EQUIPMENT: Hand Auger	
OVERSIGHT: J. Moffitt	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	BOREHOLE ID: **SE-02-01**
Project: Corning Area Wide Study	Weather:	START DATE: 08/27/2024 12:15
Region: Corning, NY	Job #: 453071	FINISH DATE: 08/27/2024 13:55
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS 1/2/3/4	RQD	RECOVERY %	PID (ppm)	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown medium to fine SAND, little (+) Silt, little (-) coarse to fine Gravel (angular), trace Cobble starting at 6 inches below ground surface (subangular); abundant roots [SP]									0
1	dry, tan medium to fine SAND, some Silt, little (+) coarse to fine Gravel (subangular to angular), trace Cobble [SM]									1
2			HC	1	--	--	100	0.1	BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3	dry to moist, tan medium to fine SAND and Silt, little coarse to fine Gravel (subangular) [SM]									3
4	BOREHOLE TD @ 4 FT BGS									4
5										5

PARSONS

CONTRACTOR: ATL		
DRILLER: S. Wolkiewicz	EQUIPMENT: Hand Auger	
OVERSIGHT: J. Moffitt	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	BOREHOLE ID: **SE-02-02**
Project: Corning Area Wide Study	Weather:	START DATE: 08/27/2024 14:00
Region: Corning, NY	Job #: 453071	FINISH DATE: 08/27/2024 15:25
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS 1/2/3/4	RQD	RECOVERY %	PID (ppm)	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown coarse to fine SAND, little (+) Silt, little (-) medium to fine Gravel (subrounded) [SP]									0
1	dry, brown coarse to fine SAND, some (-) Silt, little (+) coarse to fine Gravel (mostly coarse to medium; subrounded), trace Cobble (rounded); one piece of black slag @ 1 FT BGS [SM]									1
2	dry, brown coarse to fine SAND, some (+) Silt, little (-) coarse to fine Gravel, trace Cobble (subrounded to subangular); Sand is mostly medium to fine grained [SM]		HC	1	--	--	100	0	BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3										3
4	BOREHOLE TD @ 4 FT BGS									4
5										5

PARSONS

CONTRACTOR: ATL		
DRILLER: S. Wolkiewicz	EQUIPMENT: Hand Auger	
OVERSIGHT: J. Moffitt	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	BOREHOLE ID: **SE-02-03**
Project: Corning Area Wide Study	Weather:	START DATE: 08/27/2024 07:45
Region: Coring, NY	Job #: 453071	FINISH DATE: 08/27/2024 10:20
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS 1/2/3/4	RQD	RECOVERY %	PID (ppm)	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown coarse to fine SAND, little (-) to trace (+) medium to fine Gravel (angular) [SP]									0
1	dry, brown coarse to fine SAND, little coarse to fine Gravel (angular to subangular) trace Cobble (flat angular) [SP]		HC	1	--	--	100	0		1
2	dry, tannish brown coarse to fine SAND, some (-) Silt, little (+) coarse to fine Gravel, little (-) Cobble (angular) [SP]								THREE ATTEMPTS ALL ENCOUNTERED REFUSAL BETWEEN 2.3 AND 3.5 FT BGS, ALL HOLE BACKFILLED WITH CLEAN CUTTINGS	2
3	BOREHOLE TD @ 3.5 FT BGS									3
4										4
5										5

PARSONS

CONTRACTOR: ATL		
DRILLER: S. Wolkiewicz	EQUIPMENT: Hand Auger	
OVERSIGHT: J. Moffitt	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	BOREHOLE ID: **SE-02-04**
Project: Corning Area Wide Study	Weather:	START DATE: 08/28/2024 13:42
Region: Corning, NY	Job #: 453071	FINISH DATE: 08/28/2024 15:14
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS 1/2/3/4	RQD	RECOVERY %	PID (ppm)	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, dark brown coarse to fine SAND, some (-) to little (+) Silt, trace medium to fine Gravel (subangular) [SM]									0
	dry, tannish brown coarse to fine SAND (mostly medium to fine), some (-) Silt, little coarse to fine Gravel (subrounded to subangular), trace Cobble (flat angular) [SM]									
1										1
2			HC	1	--	--	100	0	BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3										3
4	BOREHOLE TD @ 4 FT BGS									4
5										5

PARSONS

CONTRACTOR: ATL		
DRILLER: S. Wolkiewicz	EQUIPMENT: Hand Auger	
OVERSIGHT: J. Moffitt	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	BOREHOLE ID: **SE-02-05**
Project: Corning Area Wide Study	Weather:	START DATE: 08/28/2024 15:35
Region: Corning, NY	Job #: 453071	FINISH DATE: 08/28/2024 16:55
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS 1/2/3/4	RQD	RECOVERY %	PID (ppm)	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown coarse to fine SAND, little coarse to fine Gravel (angular to subangular), trace Cobble (angular) [SP]									0
1	dry, brown to grayish brown coarse to fine SAND, some (-) Silt, little coarse to fine Gravel (angular), trace Cobble (angular) [SM]									1
2			HC	1	--	--	100	0	BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3	moist, grayish brown to brownish gray Silty CLAY, little coarse to fine Gravel (subrounded to rounded) [CH]									3
4	wet, grayish brown to brownish gray Silty CLAY, trace coarse to fine Gravel (subrounded to rounded) [CH] BOREHOLE TD @ 4 FT BGS									4
5										5

PARSONS

CONTRACTOR: ATL		
DRILLER: S. Wolkiewicz	EQUIPMENT: Hand Auger	
OVERSIGHT: J. Moffitt	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	HOLE ID: **SE-03-01**
Project: Corning Area Wide Study	Weather:	START DATE: 10/12/2024 08:13
Region: Corning, NY	Job #: 453071	FINISH DATE: 10/12/2024 08:45
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	RUN NUMBER	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0									0
	dry, gray, SILT [ML]								
1									1
								BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	
2	dry, gray-brown Clayey SILT [ML]		HC	100	0				2
3									3
	BOREHOLE TD @ 4 FT BGS								
4									4
5									5

PARSONS

CONTRACTOR: LaBella		
DRILLER: A. Armbruster	EQUIPMENT: Hand Auger	
OVERSIGHT: M. Russell	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	HOLE ID: **SE-03-02**
Project: Corning Area Wide Study	Weather:	START DATE: 10/12/2024 08:50
Region: Corning, NY	Job #: 453071	FINISH DATE: 10/12/2024 09:30
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	RUN NUMBER	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown, coarse GRAVEL, little medium (-) Sand [GP]								0
	dry, brown-gray fine (+) to medium (-) GRAVEL, little Silt, little medium (-) Sand [GM]								
1									1
2			HC	100	0			BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3									3
4	BOREHOLE TD @ 4 FT BGS								4
5									5

PARSONS

CONTRACTOR: LaBella		
DRILLER: A. Armbruster	EQUIPMENT: Hand Auger	
OVERSIGHT: M. Russell	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	HOLE ID: **SE-03-03**
Project: Corning Area Wide Study	Weather:	START DATE: 10/12/2024 09:45
Region: Corning, NY	Job #: 453071	FINISH DATE: 10/12/2024 11:50
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	RUN NUMBER	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown-gray fine, GRAVEL (-), some Silt and Sand; small piece of slag and metal bracket encountered at 4 inches depth [GP]								0
	dry, brown- gray, fine GRAVEL (+), some Silt and Sand [GP]		HC	100	0			BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	
1									1
2									2
3									3
4	BOREHOLE TD @ 4 FT BGS								4
5									5

PARSONS

CONTRACTOR: LaBella		
DRILLER: A. Armbruster	EQUIPMENT: Hand Auger	
OVERSIGHT: M. Russell	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	HOLE ID: **SE-03-04**
Project: Corning Area Wide Study	Weather:	START DATE: 10/12/2024 12:45
Region: Corning, NY	Job #: 453071	FINISH DATE: 10/12/2024 13:41
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	RUN NUMBER	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, gray brown, medium SAND, and Silt [SM]								0
	dry, gray-brown, medium (-) SAND,and Silt, little Silty Clay [SM]								
1									1
2	dry, gray-brown, coarse to fine (+) GRAVEL, little Silt; slag near 4 foot below ground surface [GM]		HC	100	0			BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3									3
	Refusal at 3.7 ft. below ground surface.								
4									4
5									5

PARSONS

CONTRACTOR: LaBella		
DRILLER: A. Armbruster	EQUIPMENT: Hand Auger	
OVERSIGHT: M. Russell	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

DRILLING RECORD

Client: NYSDEC	Site Location: Corning, NY	HOLE ID: **SE-03-05**
Project: Corning Area Wide Study	Weather:	START DATE: 10/12/2024 13:50
Region: Corning, NY	Job #: 453071	FINISH DATE: 10/12/2024 15:35
Site: Severn School	DB ID:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	RUN NUMBER	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown fine SAND,and Silt, trace Clay [SM]								0
	dry, light brown, Clayey SILT [ML]								
1									1
2	dry, light brown Clayey SILT, little medium to fine (+) Sand [ML]		HC	100	0			BOREHOLE BACKFILLED WITH CLEAN CUTTINGS	2
3									3
	Refusal at 3.7 ft. below ground surface								
4									4
5									5

PARSONS

CONTRACTOR: LaBella		
DRILLER: A. Armbruster	EQUIPMENT: Hand Auger	
OVERSIGHT: M. Russell	METHOD: Hand Core (HC)	BOREHOLE DIA.: 3 in

APPENDIX B PHOTOGRAPHIC LOG

Appendix B

The photos below document the soils and extent of ash brick and/or glass at the Severn Elementary School investigated during the Area Wide Study. The work was conducted in August and October 2024.

SE-01-01 (Severn Elementary)

Image of soils from boring location SE-01-01 (Severn Elementary). The pile of soil contains soil collected from the 0 to 0.5-foot interval. No ash, brick, or glass (ABG) was encountered in this interval.

SE-01-01 (Severn Elementary)

Image of soils from boring location SE-01-01 (Severn Elementary). The pile of soil contains soil collected from the 0.5 to 2-foot interval. No ash, brick, or glass (ABG) was encountered in this interval.

SE-01-01 (Severn Elementary)

Image of soils from boring location SE-01-01 (Severn Elementary). The pile in the image contains soil collected from the 2 to 4-foot interval. One small building brick fragment (non – ABG) was found in this interval.

SE-01-02 (Severn Elementary)

Image of soils from boring location SE-01-02 (Severn Elementary). The pile of soil in the image contains soil collected from the 0 to 0.5-foot interval. No ash, brick, or glass (ABG) was encountered in this interval.

SE-01-02 (Severn Elementary)

Image of soils from boring location SE-01-02 (Severn Elementary). The pile of soil in the center right portion of the image contains soil collected from the 0.5 to 2-foot interval. Small orange building brick fragments (non-ABG) were found at this interval.

SE-01-02 (Severn Elementary)

Image of soils from boring location SE-01-02 (Severn Elementary). The pile of soil in the image contains soil collected from the 2 to 4-foot interval. No ABG was encountered in this interval.

SE-01-03 (Severn Elementary)

Image of soils from boring location SE-01-03 (Severn Elementary). The pile of soil in the image contains soil collected from the 0 to 0.5-foot interval. No ABG was encountered in this interval.

SE-01-03 (Severn Elementary)

Image of soils from a boring location SE-01-03 (Severn Elementary). The pile of soil in the image contains soil collected from the 0.5 to 2-foot interval. No ABG was encountered in this interval.

SE-01-03 (Severn Elementary)

Image of soils from boring location SE-01-03 (Severn Elementary). The pile of soil in the image contains soil collected from the 2 to 3.8-foot interval. No ABG was encountered in this interval.

SE-01-04 (Severn Elementary)

Image of soils from boring location SE-01-04 (Severn Elementary). The pile of soil in the image contains soil collected from the 0 to 0.5-foot interval. No ABG was encountered in this interval.

SE-01-04 (Severn Elementary)

Image of soils from boring location SE-01-04 (Severn Elementary). The pile of soil in the image contains soil collected from the 0.5 to 2-foot interval. No ABG was encountered in this interval.

SE-01-04 (Severn Elementary)

Image of soils from boring location SE-01-04 (Severn Elementary). The pile of soil in the image contains soil collected from the 2-4-foot interval. No ABG was encountered in this interval.

SE-01-05 (Severn Elementary)

Image of soils from boring location SE-01-05 (Severn Elementary). The pile of soil in the image contains soil collected from the 0 to 0.5-foot interval. No ABG was encountered in this interval.

SE-01-05 (Severn Elementary)

Image of soils from boring location SE-01-05 (Severn Elementary). The pile of soil in the image contains soil collected from the 0.5 to 2-foot interval. No ABG was encountered in this interval.

SE-01-05 (Severn Elementary)

Image of soils from boring location SE-01-05 (Severn Elementary). The pile of soil in the image contains soil collected from the 2 to 4-foot interval. No ABG was encountered in this interval.

SE-02-01 (Severn Elementary)

Image of soils from boring location SE-02-01 (Severn Elementary). The pile of soil in the image contains soil collected from the 0-0.5-foot interval. No ABG was encountered in this interval.

SE-02-01 (Severn Elementary)

Image of soils from boring location SE-02-01 (Severn Elementary). The pile of soil in the image contains soil collected from the 0.5 to 2-foot interval. One piece of slag was identified in this interval.

SE-02-01 (Severn Elementary)

Image of soils from boring location SE-02-01 (Severn Elementary). The pile of soil in the top left portion of the image contains soil collected from the 2 to 4-foot interval. No ABG was encountered in this interval.

SE-02-02 (Severn Elementary)

Image of soils from boring location SE-02-02 (Severn Elementary). The pile of soil in the image contains soil collected from the 0 to 0.5-foot interval. No ABG was encountered in this interval.

SE-02-02 (Severn Elementary)

Image of soils from boring location SE-02-02 (Severn Elementary). The pile of soil in the image contains soil collected from the 0.5 to 2-foot interval. One piece of slag was identified in this interval.

SE-02-02 (Severn Elementary School)

Image of soils from boring location SE-02-02 (Severn Elementary). The pile of soil in the image contains soil collected from the 2 to 4-foot interval. No ABG was encountered in this interval.

SE-02-03 (Severn Elementary School)

Image of soils from boring location SE-02-03 (Severn Elementary). The pile of soil in the image contains soil collected from the 0 to 0.5-foot interval. No ABG was encountered in this interval.

SE-02-03 (Severn Elementary School)

Image of soils from boring location SE-02-03 (Severn Elementary). The pile of soil in the image contains soil collected from the 0.5 to 2-foot interval. No ABG was encountered in this interval.

SE-02-03 (Severn Elementary)

Image of soils from boring location SE-02-03 (Severn Elementary). The pile of soil in the image contains soil collected from the 2 to 3.5-foot interval. No ABG was encountered in this interval.

SE-02-04 (Severn Elementary)

Image of soils from boring location SE-02-04 (Severn Elementary). The pile of soil in the image contains soil collected from the 0 to 0.5-foot interval. No ABG was encountered in this interval.

SE-02-04 (Severn Elementary)

Image of soils from boring location SE-02-04 (Severn Elementary). The pile of soil in the image contains soil collected from the 0.5 to 2.0-foot interval. No ABG identified in this interval.

SE-02-04 (Severn Elementary)

Image of soils from boring location SE-02-04 (Severn Elementary School). The pile of soil in the image contains soil collected from the 2 to 4-foot interval. No ABG was encountered in this interval.

SE-02-05 (Severn Elementary)

Image of soils from boring location SE-02-05 (Severn Elementary School). The pile of soil in the image contains soil collected from the 0 to 0.5-foot interval. No ABG was encountered in this interval.

SE-02-05 (Severn Elementary) Continued

Image of soils from boring location SE-02-05 (Severn Elementary School). The pile of soil in the image contains soil collected from the 0.5 to 2-foot interval. No ABG was encountered in this interval.

SE-02-05 (Severn Elementary School)

Image of soils from boring location SE-02-05 (Severn Elementary School). The pile of soil in the image contains soil collected from the 2 to 4-foot interval. No ABG was encountered in this interval.

SE-03-01 (Severn Elementary School)

Image of soils from boring location SE-03-01 (Severn Elementary School). The pile of soil in the image contains soil collected from the 0 to 0.5-foot interval. No ABG was encountered in this interval.

SE-03-01 (Severn Elementary School)

Image of soils from boring location SE-03-01 (Severn Elementary School). The pile of soil in the image contains soil collected from the 0.5 to 2-foot interval. No ABG was encountered in this interval.

SE-03-01 (Severn Elementary School)

Image of soils from boring location SE-03-01 (Severn Elementary School). The pile of soil in the image contains soil collected from the 2 to 4-foot interval. No ABG was encountered in this interval.

SE-03-02 (Severn Elementary School)

Image of soils from boring location SE-03-02 (Severn Elementary School). The pile of soil at the bottom of the image contains soil from 0-0.5-foot interval. The pile of soil in the middle of the image contains soil collected from the 0.5 to 2-foot interval. The Pile of soil at the top of the image contains soil from the 2 to 4-foot interval. No ABG was encountered in any interval.

SE-03-03 (Severn Elementary School)

Image of soils from boring location SE-03-03 (Severn Elementary School). The pile of soil in the image contains soil collected from the 0 to 2-foot interval. A metal bracket and a piece of slag were recovered from this location at 4 inches deep. No additional images were collected from this location.

SE-03-04 (Severn Elementary School)

Image of soils from boring location SE-03-04 (Severn Elementary School). The piles in the image contain the intervals 0-0.5, 0.5-2, and 2-4 feet bgs respectively. A small piece of slag was encountered near 4 feet below ground surface.

SE-03-05 (Severn Elementary School)

No images were collected brom boring location SE-03-05. No ABG was observed at this boring location.

APPENDIX C CAMP DATA

24/08/26 11:00

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Downwind
Unit SN	592-912843
Unit Firmw	V2.22A

Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reaso	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	8/26/2024 11:00
End	8/26/2024 11:00
Sample Per	900
Number of	0

Sensor	PID(ppm)
Sensor SN	S023030100R6
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	8/22/2024 7:21

****

Datalog

0 record.

==========

24/08/26 11:26

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Downwind
Unit SN	592-912843
Unit Firmw	V2.22A

Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reaso	Power Down

Site ID	12345678
User ID	12345678

Begin	8/26/2024 11:26
End	8/26/2024 16:54
Sample Per	900
Number of	21

Sensor	PID(ppm)
Sensor SN	S023030100R6
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	8/26/2024 11:03
Peak	0.1
Min	0
Average	0.1

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	8/26/2024 11:41	0	0	0
2	8/26/2024 11:56	0	0.1	0.1
3	8/26/2024 12:11	0.1	0.1	0.1
4	8/26/2024 12:26	0.1	0.1	0.1
5	8/26/2024 12:41	0.1	0.2	0.1
6	8/26/2024 12:56	0.1	0.1	0.1
7	8/26/2024 13:11	0.1	0.1	0.1
8	8/26/2024 13:26	0.1	0.1	0.1
9	8/26/2024 13:41	0.1	0.1	0.1
10	8/26/2024 13:56	0.1	0.1	0.1
11	8/26/2024 14:11	0.1	0.1	0.1
12	8/26/2024 14:26	0.1	0.1	0.1
13	8/26/2024 14:41	0.1	0.1	0.1
14	8/26/2024 14:56	0	0.1	0.1
15	8/26/2024 15:11	0	0.1	0
16	8/26/2024 15:26	0	0.1	0
17	8/26/2024 15:41	0	0.1	0
18	8/26/2024 15:56	0	0	0
19	8/26/2024 16:11	0	0	0
20	8/26/2024 16:26	0	0.2	0
21	8/26/2024 16:41	0	0	0
Peak		0.1	0.2	0.1
Min		0	0	0
Average		0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	8/26/2024 11:41	0	0
2	8/26/2024 11:56	0	0.1
3	8/26/2024 12:11	0	0.2
4	8/26/2024 12:26	0	0.2
5	8/26/2024 12:41	0	0.2
6	8/26/2024 12:56	0	0.2
7	8/26/2024 13:11	0	0.2
8	8/26/2024 13:26	0	0.2
9	8/26/2024 13:41	0	0.2
10	8/26/2024 13:56	0	0.2
11	8/26/2024 14:11	0	0.2
12	8/26/2024 14:26	0	0.2
13	8/26/2024 14:41	0	0.2
14	8/26/2024 14:56	0	0.2
15	8/26/2024 15:11	0	0.1
16	8/26/2024 15:26	0	0
17	8/26/2024 15:41	0	0
18	8/26/2024 15:56	0	0
19	8/26/2024 16:11	0	0
20	8/26/2024 16:26	0	0
21	8/26/2024 16:41	0	0

==========

24/08/27 07:24

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Downwind
Unit SN	592-912843
Unit Firmw	V2.22A

Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reaso	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	8/27/2024 7:24
End	8/27/2024 7:24
Sample Pe	900
Number of	0

Sensor	PID(ppm)
Sensor SN	S023030100R6
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	8/26/2024 11:03

****

Datalog

0 record.

==========

24/08/27 07:27

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Downwind
Unit SN	592-912843
Unit Firmw	V2.22A

Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reaso	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	8/27/2024 7:27
End	8/27/2024 7:27
Sample Per	900
Number of	0

Sensor	PID(ppm)
Sensor SN	S023030100R6
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	8/27/2024 7:27

****

Datalog

0 record.

==========
24/08/27 07:37
****
Summary

Unit Name MiniRAE 3000(PGM-7320) - Downwind
Unit SN 592-912843
Unit Firmw V2.22A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reasc Power Down

Site ID 12345678
User ID 12345678

Begin 8/27/2024 7:37
End 8/27/2024 11:00
Sample Pe 900
Number of 13

Sensor PID(ppm)
Sensor SN S023030100R6
Measure T Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurem Isobutylene
Calibration 8/27/2024 7:27
Peak 0.2
Min 0
Average 0.1

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	8/27/2024 7:52	0	0	0
2	8/27/2024 8:07	0	0	0
3	8/27/2024 8:22	0	0	0
4	8/27/2024 8:37	0	0	0
5	8/27/2024 8:52	0	0	0
6	8/27/2024 9:07	0.1	0.1	0.1
7	8/27/2024 9:22	0.1	0.1	0.1
8	8/27/2024 9:37	0.1	0.1	0.1
9	8/27/2024 9:52	0.1	0.1	0.1
10	8/27/2024 10:07	0.1	0.1	0.1
11	8/27/2024 10:22	0.2	0.2	0.2
12	8/27/2024 10:37	0.2	0.2	0.2
13	8/27/2024 10:52	0.2	0.2	0.2
Peak		0.2	0.2	0.2
Min		0	0	0
Average		0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	8/27/2024 7:52	0	0
2	8/27/2024 8:07	0	0
3	8/27/2024 8:22	0	0
4	8/27/2024 8:37	0	0
5	8/27/2024 8:52	0	0
6	8/27/2024 9:07	0	0.1
7	8/27/2024 9:22	0	0.2
8	8/27/2024 9:37	0	0.2
9	8/27/2024 9:52	0	0.2
10	8/27/2024 10:07	0	0.2
11	8/27/2024 10:22	0	0.3
12	8/27/2024 10:37	0	0.4
13	8/27/2024 10:52	0	0.4

==========

24/08/27 12:06

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Downwind
Unit SN	592-912843
Unit Firmw	V2.22A

Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reaso	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	8/27/2024 12:06
End	8/27/2024 12:06
Sample Per	900
Number of	0

Sensor	PID(ppm)
Sensor SN	S023030100R6
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	8/27/2024 7:27

****

Datalog

0 record.

==========
24/08/27 12:07
****
Summary

Unit Name MiniRAE 3000(PGM-7320) - Downwind
Unit SN 592-912843
Unit Firmw V2.22A

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reasc Power Down

Site ID 12345678
User ID 12345678

Begin 8/27/2024 12:07
End 8/27/2024 17:34
Sample Pe 900
Number of 21

Sensor PID(ppm)
Sensor SN S023030100R6
Measure Ty Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurem Isobutylene
Calibration 8/27/2024 7:27
Peak 0
Min 0
Average 0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	8/27/2024 12:22	0	0	0
2	8/27/2024 12:37	0	0	0
3	8/27/2024 12:52	0	0	0
4	8/27/2024 13:07	0	0	0
5	8/27/2024 13:22	0	0	0
6	8/27/2024 13:37	0	0	0
7	8/27/2024 13:52	0	0	0
8	8/27/2024 14:07	0	0	0
9	8/27/2024 14:22	0	0	0
10	8/27/2024 14:37	0	0	0
11	8/27/2024 14:52	0	0	0
12	8/27/2024 15:07	0	0	0
13	8/27/2024 15:22	0	0	0
14	8/27/2024 15:37	0	0	0
15	8/27/2024 15:52	0	0	0
16	8/27/2024 16:07	0	0	0
17	8/27/2024 16:22	0	0	0
18	8/27/2024 16:37	0	0	0
19	8/27/2024 16:52	0	0	0
20	8/27/2024 17:07	0	0	0
21	8/27/2024 17:22	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	8/27/2024 12:22	0	0
2	8/27/2024 12:37	0	0
3	8/27/2024 12:52	0	0
4	8/27/2024 13:07	0	0
5	8/27/2024 13:22	0	0
6	8/27/2024 13:37	0	0
7	8/27/2024 13:52	0	0
8	8/27/2024 14:07	0	0
9	8/27/2024 14:22	0	0
10	8/27/2024 14:37	0	0
11	8/27/2024 14:52	0	0
12	8/27/2024 15:07	0	0
13	8/27/2024 15:22	0	0
14	8/27/2024 15:37	0	0
15	8/27/2024 15:52	0	0
16	8/27/2024 16:07	0	0
17	8/27/2024 16:22	0	0
18	8/27/2024 16:37	0	0
19	8/27/2024 16:52	0	0
20	8/27/2024 17:07	0	0
21	8/27/2024 17:22	0	0

==========

24/08/28 07:20

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Downwind
Unit SN	592-912843
Unit Firmw	V2.22A

Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reaso	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	8/28/2024 7:20
End	8/28/2024 7:20
Sample Pe	900
Number of	0

Sensor	PID(ppm)
Sensor SN	S023030100R6
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	8/27/2024 7:27

****

Datalog

0 record.

==========

24/08/28 07:47

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Downwind
Unit SN	592-912843
Unit Firmw	V2.22A

Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reaso	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	8/28/2024 7:47
End	8/28/2024 11:04
Sample Pe	900
Number of	13

Sensor	PID(ppm)
Sensor SN	S023030100R6
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	8/28/2024 7:21
Peak	0.1
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	8/28/2024 8:02	0	0	0
2	8/28/2024 8:17	0	0	0
3	8/28/2024 8:32	0	0	0
4	8/28/2024 8:47	0	0	0
5	8/28/2024 9:02	0	0	0
6	8/28/2024 9:17	0	0	0
7	8/28/2024 9:32	0	0	0
8	8/28/2024 9:47	0	0	0
9	8/28/2024 10:02	0.1	0.1	0.1
10	8/28/2024 10:17	0.1	0.1	0.1
11	8/28/2024 10:32	0.1	0.1	0.1
12	8/28/2024 10:47	0.1	0.1	0.1
13	8/28/2024 11:02	0.1	0.6	0.1
Peak		0.1	0.6	0.1
Min		0	0	0
Average		0	0.1	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	8/28/2024 8:02	0	0
2	8/28/2024 8:17	0	0
3	8/28/2024 8:32	0	0
4	8/28/2024 8:47	0	0
5	8/28/2024 9:02	0	0
6	8/28/2024 9:17	0	0
7	8/28/2024 9:32	0	0
8	8/28/2024 9:47	0	0
9	8/28/2024 10:02	0	0.1
10	8/28/2024 10:17	0	0.2
11	8/28/2024 10:32	0	0.2
12	8/28/2024 10:47	0	0.2
13	8/28/2024 11:02	0	0.2

==========

24/08/28 11:05

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Downwind
Unit SN	592-912843
Unit Firmw	V2.22A

Running M	Hygiene Mode
Datalog Mc	Auto
Diagnostic	No
Stop Reasc	Power Down

Site ID	12345678
User ID	12345678

Begin	8/28/2024 11:05
End	8/28/2024 17:16
Sample Pe	900
Number of	24

Sensor	PID(ppm)
Sensor SN	S023030100R6
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	8/28/2024 7:21
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	8/28/2024 11:20	0	0	0
2	8/28/2024 11:35	0	0	0
3	8/28/2024 11:50	0	0	0
4	8/28/2024 12:05	0	0	0
5	8/28/2024 12:20	0	0	0
6	8/28/2024 12:35	0	0	0
7	8/28/2024 12:50	0	0	0
8	8/28/2024 13:05	0	0	0
9	8/28/2024 13:20	0	0	0
10	8/28/2024 13:35	0	0	0
11	8/28/2024 13:50	0	0	0
12	8/28/2024 14:05	0	0	0
13	8/28/2024 14:20	0	0	0
14	8/28/2024 14:35	0	0	0
15	8/28/2024 14:50	0	0	0
16	8/28/2024 15:05	0	0	0
17	8/28/2024 15:20	0	0.1	0
18	8/28/2024 15:35	0	0	0
19	8/28/2024 15:50	0	0	0
20	8/28/2024 16:05	0	0	0
21	8/28/2024 16:20	0	0	0
22	8/28/2024 16:35	0	0	0
23	8/28/2024 16:50	0	0	0
24	8/28/2024 17:05	0	0	0
Peak		0	0.1	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	8/28/2024 11:20	0	0
2	8/28/2024 11:35	0	0
3	8/28/2024 11:50	0	0
4	8/28/2024 12:05	0	0
5	8/28/2024 12:20	0	0
6	8/28/2024 12:35	0	0
7	8/28/2024 12:50	0	0
8	8/28/2024 13:05	0	0
9	8/28/2024 13:20	0	0
10	8/28/2024 13:35	0	0
11	8/28/2024 13:50	0	0
12	8/28/2024 14:05	0	0
13	8/28/2024 14:20	0	0
14	8/28/2024 14:35	0	0
15	8/28/2024 14:50	0	0
16	8/28/2024 15:05	0	0
17	8/28/2024 15:20	0	0
18	8/28/2024 15:35	0	0
19	8/28/2024 15:50	0	0
20	8/28/2024 16:05	0	0
21	8/28/2024 16:20	0	0
22	8/28/2024 16:35	0	0
23	8/28/2024 16:50	0	0
24	8/28/2024 17:05	0	0

==========
24/10/12 08:05
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-906312
Unit Firmware Ver V2.22A

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

Site ID RAE00000
User ID 00000001

Begin 10/12/2024 08:05:04
End 10/12/2024 15:49:14
Sample Period(s) 60
Number of Records 464

Sensor PID(ppm)
Sensor SN S023030282B8
Measure Type Min; Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 100.0
TWA Alarm 50.0
Measurement Gas Isobutylene
Calibration Time 10/12/2024 07:50
Peak 0.1
Min 0.0
Average 0.0

****
Datalog

Index	Date/Time	PID(ppm) (Min)	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	10/12/2024 08:06:04	0.0	0.0	0.0	0.0	
002	10/12/2024 08:07:04	0.0	0.0	0.0	0.0	
003	10/12/2024 08:08:04	0.0	0.0	0.0	0.0	
004	10/12/2024 08:09:04	0.0	0.0	0.0	0.0	
005	10/12/2024 08:10:04	0.0	0.0	0.0	0.0	
006	10/12/2024 08:11:04	0.0	0.0	0.0	0.0	
007	10/12/2024 08:12:04	0.0	0.0	0.0	0.0	
008	10/12/2024 08:13:04	0.0	0.0	0.0	0.0	

009	10/12/2024	08:14:04	0.0	0.0	0.0	0.0
010	10/12/2024	08:15:04	0.0	0.0	0.0	0.0
011	10/12/2024	08:16:04	0.0	0.0	0.0	0.0
012	10/12/2024	08:17:04	0.0	0.0	0.0	0.0
013	10/12/2024	08:18:04	0.0	0.0	0.0	0.0
014	10/12/2024	08:19:04	0.0	0.0	0.0	0.0
015	10/12/2024	08:20:04	0.0	0.0	0.0	0.0
016	10/12/2024	08:21:04	0.0	0.0	0.0	0.0
017	10/12/2024	08:22:04	0.0	0.0	0.0	0.0
018	10/12/2024	08:23:04	0.0	0.0	0.0	0.0
019	10/12/2024	08:24:04	0.0	0.0	0.0	0.0
020	10/12/2024	08:25:04	0.0	0.0	0.0	0.0
021	10/12/2024	08:26:04	0.0	0.0	0.0	0.0
022	10/12/2024	08:27:04	0.0	0.0	0.0	0.0
023	10/12/2024	08:28:04	0.0	0.0	0.0	0.0
024	10/12/2024	08:29:04	0.0	0.0	0.0	0.0
025	10/12/2024	08:30:04	0.0	0.0	0.0	0.0
026	10/12/2024	08:31:04	0.0	0.0	0.0	0.0
027	10/12/2024	08:32:04	0.0	0.0	0.0	0.0
028	10/12/2024	08:33:04	0.0	0.0	0.0	0.0
029	10/12/2024	08:34:04	0.0	0.0	0.0	0.0
030	10/12/2024	08:35:04	0.0	0.0	0.0	0.0
031	10/12/2024	08:36:04	0.0	0.0	0.0	0.0
032	10/12/2024	08:37:04	0.0	0.0	0.0	0.0
033	10/12/2024	08:38:04	0.0	0.0	0.0	0.0
034	10/12/2024	08:39:04	0.0	0.0	0.0	0.0
035	10/12/2024	08:40:04	0.0	0.0	0.0	0.0
036	10/12/2024	08:41:04	0.0	0.0	0.0	0.0
037	10/12/2024	08:42:04	0.0	0.0	0.0	0.0
038	10/12/2024	08:43:04	0.0	0.0	0.0	0.0
039	10/12/2024	08:44:04	0.0	0.0	0.0	0.0
040	10/12/2024	08:45:04	0.0	0.0	0.0	0.0
041	10/12/2024	08:46:04	0.0	0.0	0.0	0.0
042	10/12/2024	08:47:04	0.0	0.0	0.0	0.0
043	10/12/2024	08:48:04	0.0	0.0	0.0	0.0
044	10/12/2024	08:49:04	0.0	0.0	0.0	0.0
045	10/12/2024	08:50:04	0.0	0.0	0.0	0.0
046	10/12/2024	08:51:04	0.0	0.0	0.0	0.0
047	10/12/2024	08:52:04	0.0	0.0	0.0	0.0
048	10/12/2024	08:53:04	0.0	0.0	0.0	0.0
049	10/12/2024	08:54:04	0.0	0.0	0.0	0.0
050	10/12/2024	08:55:04	0.0	0.0	0.0	0.0
051	10/12/2024	08:56:04	0.0	0.0	0.0	0.0
052	10/12/2024	08:57:04	0.0	0.0	0.0	0.0
053	10/12/2024	08:58:04	0.0	0.0	0.0	0.0
054	10/12/2024	08:59:04	0.0	0.0	0.0	0.0
055	10/12/2024	09:00:04	0.0	0.0	0.0	0.0
056	10/12/2024	09:01:04	0.0	0.0	0.0	0.0
057	10/12/2024	09:02:04	0.0	0.0	0.0	0.0
058	10/12/2024	09:03:04	0.0	0.0	0.0	0.0

059	10/12/2024	09:04:04	0.0	0.0	0.0	0.0
060	10/12/2024	09:05:04	0.0	0.0	0.0	0.0
061	10/12/2024	09:06:04	0.0	0.0	0.0	0.0
062	10/12/2024	09:07:04	0.0	0.0	0.0	0.0
063	10/12/2024	09:08:04	0.0	0.0	0.0	0.0
064	10/12/2024	09:09:04	0.0	0.0	0.0	0.0
065	10/12/2024	09:10:04	0.0	0.0	0.0	0.0
066	10/12/2024	09:11:04	0.0	0.0	0.0	0.0
067	10/12/2024	09:12:04	0.0	0.0	0.0	0.0
068	10/12/2024	09:13:04	0.0	0.0	0.0	0.0
069	10/12/2024	09:14:04	0.0	0.0	0.0	0.0
070	10/12/2024	09:15:04	0.0	0.0	0.0	0.0
071	10/12/2024	09:16:04	0.0	0.0	0.0	0.0
072	10/12/2024	09:17:04	0.0	0.0	0.0	0.0
073	10/12/2024	09:18:04	0.0	0.0	0.0	0.0
074	10/12/2024	09:19:04	0.0	0.0	0.0	0.0
075	10/12/2024	09:20:04	0.0	0.0	0.0	0.0
076	10/12/2024	09:21:04	0.0	0.0	0.0	0.0
077	10/12/2024	09:22:04	0.0	0.0	0.0	0.0
078	10/12/2024	09:23:04	0.0	0.0	0.0	0.0
079	10/12/2024	09:24:04	0.0	0.0	0.0	0.0
080	10/12/2024	09:25:04	0.0	0.0	0.0	0.0
081	10/12/2024	09:26:04	0.0	0.0	0.0	0.0
082	10/12/2024	09:27:04	0.0	0.0	0.0	0.0
083	10/12/2024	09:28:04	0.0	0.0	0.0	0.0
084	10/12/2024	09:29:04	0.0	0.0	0.0	0.0
085	10/12/2024	09:30:04	0.0	0.0	0.0	0.0
086	10/12/2024	09:31:04	0.0	0.0	0.0	0.0
087	10/12/2024	09:32:04	0.0	0.0	0.0	0.0
088	10/12/2024	09:33:04	0.0	0.0	0.0	0.0
089	10/12/2024	09:34:04	0.0	0.0	0.0	0.0
090	10/12/2024	09:35:04	0.0	0.0	0.0	0.0
091	10/12/2024	09:36:04	0.0	0.0	0.0	0.0
092	10/12/2024	09:37:04	0.0	0.0	0.0	0.0
093	10/12/2024	09:38:04	0.0	0.0	0.0	0.0
094	10/12/2024	09:39:04	0.0	0.0	0.0	0.0
095	10/12/2024	09:40:04	0.0	0.0	0.0	0.0
096	10/12/2024	09:41:04	0.0	0.0	0.0	0.0
097	10/12/2024	09:42:04	0.0	0.0	0.0	0.0
098	10/12/2024	09:43:04	0.0	0.0	0.0	0.0
099	10/12/2024	09:44:04	0.0	0.0	0.0	0.0
100	10/12/2024	09:45:04	0.0	0.0	0.0	0.0
101	10/12/2024	09:46:04	0.0	0.0	0.0	0.0
102	10/12/2024	09:47:04	0.0	0.0	0.0	0.0
103	10/12/2024	09:48:04	0.0	0.0	0.0	0.0
104	10/12/2024	09:49:04	0.0	0.0	0.0	0.0
105	10/12/2024	09:50:04	0.0	0.0	0.0	0.0
106	10/12/2024	09:51:04	0.0	0.0	0.0	0.0
107	10/12/2024	09:52:04	0.0	0.0	0.0	0.0
108	10/12/2024	09:53:04	0.0	0.0	0.0	0.0

109	10/12/2024	09:54:04	0.0	0.0	0.0	0.0
110	10/12/2024	09:55:04	0.0	0.0	0.0	0.0
111	10/12/2024	09:56:04	0.0	0.0	0.0	0.0
112	10/12/2024	09:57:04	0.0	0.0	0.0	0.0
113	10/12/2024	09:58:04	0.0	0.0	0.0	0.0
114	10/12/2024	09:59:04	0.0	0.0	0.0	0.0
115	10/12/2024	10:00:04	0.0	0.0	0.0	0.0
116	10/12/2024	10:01:04	0.0	0.0	0.0	0.0
117	10/12/2024	10:02:04	0.0	0.0	0.0	0.0
118	10/12/2024	10:03:04	0.0	0.0	0.0	0.0
119	10/12/2024	10:04:04	0.0	0.0	0.0	0.0
120	10/12/2024	10:05:04	0.0	0.0	0.0	0.0
121	10/12/2024	10:06:04	0.0	0.0	0.0	0.0
122	10/12/2024	10:07:04	0.0	0.0	0.0	0.0
123	10/12/2024	10:08:04	0.0	0.0	0.0	0.0
124	10/12/2024	10:09:04	0.0	0.0	0.0	0.0
125	10/12/2024	10:10:04	0.0	0.0	0.0	0.0
126	10/12/2024	10:11:04	0.0	0.0	0.0	0.0
127	10/12/2024	10:12:04	0.0	0.0	0.0	0.0
128	10/12/2024	10:13:04	0.0	0.0	0.0	0.0
129	10/12/2024	10:14:04	0.0	0.0	0.0	0.0
130	10/12/2024	10:15:04	0.0	0.0	0.0	0.0
131	10/12/2024	10:16:04	0.0	0.0	0.0	0.0
132	10/12/2024	10:17:04	0.0	0.0	0.0	0.0
133	10/12/2024	10:18:04	0.0	0.0	0.0	0.0
134	10/12/2024	10:19:04	0.0	0.0	0.0	0.0
135	10/12/2024	10:20:04	0.0	0.0	0.0	0.0
136	10/12/2024	10:21:04	0.0	0.0	0.0	0.0
137	10/12/2024	10:22:04	0.0	0.0	0.0	0.0
138	10/12/2024	10:23:04	0.0	0.0	0.0	0.0
139	10/12/2024	10:24:04	0.0	0.0	0.0	0.0
140	10/12/2024	10:25:04	0.0	0.0	0.0	0.0
141	10/12/2024	10:26:04	0.0	0.0	0.0	0.0
142	10/12/2024	10:27:04	0.0	0.0	0.0	0.0
143	10/12/2024	10:28:04	0.0	0.0	0.0	0.0
144	10/12/2024	10:29:04	0.0	0.0	0.0	0.0
145	10/12/2024	10:30:04	0.0	0.0	0.0	0.0
146	10/12/2024	10:31:04	0.0	0.0	0.0	0.0
147	10/12/2024	10:32:04	0.0	0.0	0.0	0.0
148	10/12/2024	10:33:04	0.0	0.0	0.0	0.0
149	10/12/2024	10:34:04	0.0	0.0	0.0	0.0
150	10/12/2024	10:35:04	0.0	0.0	0.0	0.0
151	10/12/2024	10:36:04	0.0	0.0	0.0	0.0
152	10/12/2024	10:37:04	0.0	0.0	0.0	0.0
153	10/12/2024	10:38:04	0.0	0.0	0.0	0.0
154	10/12/2024	10:39:04	0.0	0.0	0.0	0.0
155	10/12/2024	10:40:04	0.0	0.0	0.0	0.0
156	10/12/2024	10:41:04	0.0	0.0	0.0	0.0
157	10/12/2024	10:42:04	0.0	0.0	0.0	0.0
158	10/12/2024	10:43:04	0.0	0.0	0.0	0.0

159	10/12/2024	10:44:04	0.0	0.0	0.0	0.0
160	10/12/2024	10:45:04	0.0	0.0	0.0	0.0
161	10/12/2024	10:46:04	0.0	0.0	0.0	0.0
162	10/12/2024	10:47:04	0.0	0.0	0.0	0.0
163	10/12/2024	10:48:04	0.0	0.0	0.0	0.0
164	10/12/2024	10:49:04	0.0	0.0	0.0	0.0
165	10/12/2024	10:50:04	0.0	0.0	0.0	0.0
166	10/12/2024	10:51:04	0.0	0.0	0.0	0.0
167	10/12/2024	10:52:04	0.0	0.0	0.1	0.1
168	10/12/2024	10:53:04	0.0	0.0	0.1	0.0
169	10/12/2024	10:54:04	0.0	0.0	0.0	0.0
170	10/12/2024	10:55:04	0.0	0.0	0.0	0.0
171	10/12/2024	10:56:04	0.0	0.0	0.0	0.0
172	10/12/2024	10:57:04	0.0	0.0	0.1	0.0
173	10/12/2024	10:58:04	0.0	0.0	0.0	0.0
174	10/12/2024	10:59:04	0.0	0.0	0.1	0.0
175	10/12/2024	11:00:04	0.0	0.0	0.0	0.0
176	10/12/2024	11:01:04	0.0	0.0	0.1	0.0
177	10/12/2024	11:02:04	0.0	0.0	0.0	0.0
178	10/12/2024	11:03:04	0.0	0.0	0.0	0.0
179	10/12/2024	11:04:04	0.0	0.0	0.0	0.0
180	10/12/2024	11:05:04	0.0	0.0	0.1	0.0
181	10/12/2024	11:06:04	0.0	0.0	0.1	0.0
182	10/12/2024	11:07:04	0.0	0.0	0.0	0.0
183	10/12/2024	11:08:04	0.0	0.0	0.0	0.0
184	10/12/2024	11:09:04	0.0	0.0	0.0	0.0
185	10/12/2024	11:10:04	0.0	0.0	0.1	0.0
186	10/12/2024	11:11:04	0.0	0.0	0.0	0.0
187	10/12/2024	11:12:04	0.0	0.0	0.0	0.0
188	10/12/2024	11:13:04	0.0	0.0	0.0	0.0
189	10/12/2024	11:14:04	0.0	0.0	0.0	0.0
190	10/12/2024	11:15:04	0.0	0.0	0.0	0.0
191	10/12/2024	11:16:04	0.0	0.0	0.0	0.0
192	10/12/2024	11:17:04	0.0	0.0	0.0	0.0
193	10/12/2024	11:18:04	0.0	0.0	0.0	0.0
194	10/12/2024	11:19:04	0.0	0.0	0.0	0.0
195	10/12/2024	11:20:04	0.0	0.0	0.1	0.0
196	10/12/2024	11:21:04	0.0	0.0	0.0	0.0
197	10/12/2024	11:22:04	0.0	0.0	0.0	0.0
198	10/12/2024	11:23:04	0.0	0.0	0.0	0.0
199	10/12/2024	11:24:04	0.0	0.0	0.0	0.0
200	10/12/2024	11:25:04	0.0	0.0	0.0	0.0
201	10/12/2024	11:26:04	0.0	0.0	0.0	0.0
202	10/12/2024	11:27:04	0.0	0.0	0.0	0.0
203	10/12/2024	11:28:04	0.0	0.0	0.0	0.0
204	10/12/2024	11:29:04	0.0	0.0	0.0	0.0
205	10/12/2024	11:30:04	0.0	0.0	0.1	0.0
206	10/12/2024	11:31:04	0.0	0.0	0.0	0.0
207	10/12/2024	11:32:04	0.0	0.0	0.0	0.0
208	10/12/2024	11:33:04	0.0	0.0	0.0	0.0

209	10/12/2024 11:34:04	0.0	0.0	0.0	0.0
210	10/12/2024 11:35:04	0.0	0.0	0.0	0.0
211	10/12/2024 11:36:04	0.0	0.0	0.0	0.0
212	10/12/2024 11:37:04	0.0	0.0	0.0	0.0
213	10/12/2024 11:38:04	0.0	0.0	0.0	0.0
214	10/12/2024 11:39:04	0.0	0.0	0.0	0.0
215	10/12/2024 11:40:04	0.0	0.0	0.0	0.0
216	10/12/2024 11:41:04	0.0	0.0	0.0	0.0
217	10/12/2024 11:42:04	0.0	0.0	0.0	0.0
218	10/12/2024 11:43:04	0.0	0.0	0.0	0.0
219	10/12/2024 11:44:04	0.0	0.0	0.0	0.0
220	10/12/2024 11:45:04	0.0	0.0	0.0	0.0
221	10/12/2024 11:46:04	0.0	0.0	0.0	0.0
222	10/12/2024 11:47:04	0.0	0.0	0.0	0.0
223	10/12/2024 11:48:04	0.0	0.0	0.0	0.0
224	10/12/2024 11:49:04	0.0	0.0	0.0	0.0
225	10/12/2024 11:50:04	0.0	0.0	0.0	0.0
226	10/12/2024 11:51:04	0.0	0.0	0.0	0.0
227	10/12/2024 11:52:04	0.0	0.0	0.0	0.0
228	10/12/2024 11:53:04	0.0	0.0	0.0	0.0
229	10/12/2024 11:54:04	0.0	0.0	0.0	0.0
230	10/12/2024 11:55:04	0.0	0.0	0.0	0.0
231	10/12/2024 11:56:04	0.0	0.0	0.0	0.0
232	10/12/2024 11:57:04	0.0	0.0	0.0	0.0
233	10/12/2024 11:58:04	0.0	0.0	0.0	0.0
234	10/12/2024 11:59:04	0.0	0.0	0.0	0.0
235	10/12/2024 12:00:04	0.0	0.0	0.0	0.0
236	10/12/2024 12:01:04	0.0	0.0	0.0	0.0
237	10/12/2024 12:02:04	0.0	0.0	0.0	0.0
238	10/12/2024 12:03:04	0.0	0.0	0.0	0.0
239	10/12/2024 12:04:04	0.0	0.0	0.0	0.0
240	10/12/2024 12:05:04	0.0	0.0	0.0	0.0
241	10/12/2024 12:06:04	0.0	0.0	0.0	0.0
242	10/12/2024 12:07:04	0.0	0.0	0.0	0.0
243	10/12/2024 12:08:04	0.0	0.0	0.0	0.0
244	10/12/2024 12:09:04	0.0	0.0	0.0	0.0
245	10/12/2024 12:10:04	0.0	0.0	0.0	0.0
246	10/12/2024 12:11:04	0.0	0.0	0.0	0.0
247	10/12/2024 12:12:04	0.0	0.0	0.0	0.0
248	10/12/2024 12:13:04	0.0	0.0	0.0	0.0
249	10/12/2024 12:14:04	0.0	0.0	0.0	0.0
250	10/12/2024 12:15:04	0.0	0.0	0.0	0.0
251	10/12/2024 12:16:04	0.0	0.0	0.0	0.0
252	10/12/2024 12:17:04	0.0	0.0	0.0	0.0
253	10/12/2024 12:18:04	0.0	0.0	0.0	0.0
254	10/12/2024 12:19:04	0.0	0.0	0.0	0.0
255	10/12/2024 12:20:04	0.0	0.0	0.0	0.0
256	10/12/2024 12:21:04	0.0	0.0	0.0	0.0
257	10/12/2024 12:22:04	0.0	0.0	0.0	0.0
258	10/12/2024 12:23:04	0.0	0.0	0.0	0.0

259	10/12/2024 12:24:04	0.0	0.0	0.0	0.0
260	10/12/2024 12:25:04	0.0	0.0	0.0	0.0
261	10/12/2024 12:26:04	0.0	0.0	0.0	0.0
262	10/12/2024 12:27:04	0.0	0.0	0.0	0.0
263	10/12/2024 12:28:04	0.0	0.0	0.0	0.0
264	10/12/2024 12:29:04	0.0	0.0	0.0	0.0
265	10/12/2024 12:30:04	0.0	0.0	0.0	0.0
266	10/12/2024 12:31:04	0.0	0.0	0.0	0.0
267	10/12/2024 12:32:04	0.0	0.0	0.0	0.0
268	10/12/2024 12:33:04	0.0	0.0	0.0	0.0
269	10/12/2024 12:34:04	0.0	0.0	0.0	0.0
270	10/12/2024 12:35:04	0.0	0.0	0.0	0.0
271	10/12/2024 12:36:04	0.0	0.0	0.0	0.0
272	10/12/2024 12:37:04	0.0	0.0	0.0	0.0
273	10/12/2024 12:38:04	0.0	0.0	0.0	0.0
274	10/12/2024 12:39:04	0.0	0.0	0.0	0.0
275	10/12/2024 12:40:04	0.0	0.0	0.0	0.0
276	10/12/2024 12:41:04	0.0	0.0	0.0	0.0
277	10/12/2024 12:42:04	0.0	0.0	0.0	0.0
278	10/12/2024 12:43:04	0.0	0.0	0.0	0.0
279	10/12/2024 12:44:04	0.0	0.0	0.0	0.0
280	10/12/2024 12:45:04	0.0	0.0	0.0	0.0
281	10/12/2024 12:46:04	0.0	0.0	0.0	0.0
282	10/12/2024 12:47:04	0.0	0.0	0.0	0.0
283	10/12/2024 12:48:04	0.0	0.0	0.0	0.0
284	10/12/2024 12:49:04	0.0	0.0	0.0	0.0
285	10/12/2024 12:50:04	0.0	0.0	0.0	0.0
286	10/12/2024 12:51:04	0.0	0.0	0.0	0.0
287	10/12/2024 12:52:04	0.0	0.0	0.0	0.0
288	10/12/2024 12:53:04	0.0	0.0	0.0	0.0
289	10/12/2024 12:54:04	0.0	0.0	0.0	0.0
290	10/12/2024 12:55:04	0.0	0.0	0.0	0.0
291	10/12/2024 12:56:04	0.0	0.0	0.0	0.0
292	10/12/2024 12:57:04	0.0	0.0	0.0	0.0
293	10/12/2024 12:58:04	0.0	0.0	0.0	0.0
294	10/12/2024 12:59:04	0.0	0.0	0.0	0.0
295	10/12/2024 13:00:04	0.0	0.0	0.0	0.0
296	10/12/2024 13:01:04	0.0	0.0	0.0	0.0
297	10/12/2024 13:02:04	0.0	0.0	0.0	0.0
298	10/12/2024 13:03:04	0.0	0.0	0.0	0.0
299	10/12/2024 13:04:04	0.0	0.0	0.0	0.0
300	10/12/2024 13:05:04	0.0	0.0	0.0	0.0
301	10/12/2024 13:06:04	0.0	0.0	0.0	0.0
302	10/12/2024 13:07:04	0.0	0.0	0.0	0.0
303	10/12/2024 13:08:04	0.0	0.0	0.0	0.0
304	10/12/2024 13:09:04	0.0	0.0	0.0	0.0
305	10/12/2024 13:10:04	0.0	0.0	0.0	0.0
306	10/12/2024 13:11:04	0.0	0.0	0.0	0.0
307	10/12/2024 13:12:04	0.0	0.0	0.0	0.0
308	10/12/2024 13:13:04	0.0	0.0	0.0	0.0

309	10/12/2024 13:14:04	0.0	0.0	0.0	0.0
310	10/12/2024 13:15:04	0.0	0.0	0.0	0.0
311	10/12/2024 13:16:04	0.0	0.0	0.0	0.0
312	10/12/2024 13:17:04	0.0	0.0	0.0	0.0
313	10/12/2024 13:18:04	0.0	0.0	0.0	0.0
314	10/12/2024 13:19:04	0.0	0.0	0.0	0.0
315	10/12/2024 13:20:04	0.0	0.0	0.0	0.0
316	10/12/2024 13:21:04	0.0	0.0	0.0	0.0
317	10/12/2024 13:22:04	0.0	0.0	0.0	0.0
318	10/12/2024 13:23:04	0.0	0.0	0.0	0.0
319	10/12/2024 13:24:04	0.0	0.0	0.0	0.0
320	10/12/2024 13:25:04	0.0	0.0	0.0	0.0
321	10/12/2024 13:26:04	0.0	0.0	0.0	0.0
322	10/12/2024 13:27:04	0.0	0.0	0.0	0.0
323	10/12/2024 13:28:04	0.0	0.0	0.0	0.0
324	10/12/2024 13:29:04	0.0	0.0	0.0	0.0
325	10/12/2024 13:30:04	0.0	0.0	0.0	0.0
326	10/12/2024 13:31:04	0.0	0.0	0.0	0.0
327	10/12/2024 13:32:04	0.0	0.0	0.0	0.0
328	10/12/2024 13:33:04	0.0	0.0	0.0	0.0
329	10/12/2024 13:34:04	0.0	0.0	0.0	0.0
330	10/12/2024 13:35:04	0.0	0.0	0.0	0.0
331	10/12/2024 13:36:04	0.0	0.0	0.0	0.0
332	10/12/2024 13:37:04	0.0	0.0	0.0	0.0
333	10/12/2024 13:38:04	0.0	0.0	0.0	0.0
334	10/12/2024 13:39:04	0.0	0.0	0.0	0.0
335	10/12/2024 13:40:04	0.0	0.0	0.0	0.0
336	10/12/2024 13:41:04	0.0	0.0	0.0	0.0
337	10/12/2024 13:42:04	0.0	0.0	0.0	0.0
338	10/12/2024 13:43:04	0.0	0.0	0.0	0.0
339	10/12/2024 13:44:04	0.0	0.0	0.0	0.0
340	10/12/2024 13:45:04	0.0	0.0	0.0	0.0
341	10/12/2024 13:46:04	0.0	0.0	0.0	0.0
342	10/12/2024 13:47:04	0.0	0.0	0.0	0.0
343	10/12/2024 13:48:04	0.0	0.0	0.0	0.0
344	10/12/2024 13:49:04	0.0	0.0	0.0	0.0
345	10/12/2024 13:50:04	0.0	0.0	0.0	0.0
346	10/12/2024 13:51:04	0.0	0.0	0.0	0.0
347	10/12/2024 13:52:04	0.0	0.0	0.0	0.0
348	10/12/2024 13:53:04	0.0	0.0	0.0	0.0
349	10/12/2024 13:54:04	0.0	0.0	0.0	0.0
350	10/12/2024 13:55:04	0.0	0.0	0.0	0.0
351	10/12/2024 13:56:04	0.0	0.0	0.0	0.0
352	10/12/2024 13:57:04	0.0	0.0	0.0	0.0
353	10/12/2024 13:58:04	0.0	0.0	0.0	0.0
354	10/12/2024 13:59:04	0.0	0.0	0.0	0.0
355	10/12/2024 14:00:04	0.0	0.0	0.0	0.0
356	10/12/2024 14:01:04	0.0	0.0	0.0	0.0
357	10/12/2024 14:02:04	0.0	0.0	0.0	0.0
358	10/12/2024 14:03:04	0.0	0.0	0.0	0.0

359	10/12/2024 14:04:04	0.0	0.0	0.0	0.0
360	10/12/2024 14:05:04	0.0	0.0	0.0	0.0
361	10/12/2024 14:06:04	0.0	0.0	0.0	0.0
362	10/12/2024 14:07:04	0.0	0.0	0.0	0.0
363	10/12/2024 14:08:04	0.0	0.0	0.0	0.0
364	10/12/2024 14:09:04	0.0	0.0	0.0	0.0
365	10/12/2024 14:10:04	0.0	0.0	0.0	0.0
366	10/12/2024 14:11:04	0.0	0.0	0.0	0.0
367	10/12/2024 14:12:04	0.0	0.0	0.0	0.0
368	10/12/2024 14:13:04	0.0	0.0	0.0	0.0
369	10/12/2024 14:14:04	0.0	0.0	0.0	0.0
370	10/12/2024 14:15:04	0.0	0.0	0.0	0.0
371	10/12/2024 14:16:04	0.0	0.0	0.0	0.0
372	10/12/2024 14:17:04	0.0	0.0	0.0	0.0
373	10/12/2024 14:18:04	0.0	0.0	0.0	0.0
374	10/12/2024 14:19:04	0.0	0.0	0.0	0.0
375	10/12/2024 14:20:04	0.0	0.0	0.0	0.0
376	10/12/2024 14:21:04	0.0	0.0	0.0	0.0
377	10/12/2024 14:22:04	0.0	0.0	0.0	0.0
378	10/12/2024 14:23:04	0.0	0.0	0.0	0.0
379	10/12/2024 14:24:04	0.0	0.0	0.0	0.0
380	10/12/2024 14:25:04	0.0	0.0	0.0	0.0
381	10/12/2024 14:26:04	0.0	0.0	0.0	0.0
382	10/12/2024 14:27:04	0.0	0.0	0.0	0.0
383	10/12/2024 14:28:04	0.0	0.0	0.0	0.0
384	10/12/2024 14:29:04	0.0	0.0	0.0	0.0
385	10/12/2024 14:30:04	0.0	0.0	0.0	0.0
386	10/12/2024 14:31:04	0.0	0.0	0.0	0.0
387	10/12/2024 14:32:04	0.0	0.0	0.0	0.0
388	10/12/2024 14:33:04	0.0	0.0	0.0	0.0
389	10/12/2024 14:34:04	0.0	0.0	0.0	0.0
390	10/12/2024 14:35:04	0.0	0.0	0.0	0.0
391	10/12/2024 14:36:04	0.0	0.0	0.0	0.0
392	10/12/2024 14:37:04	0.0	0.0	0.0	0.0
393	10/12/2024 14:38:04	0.0	0.0	0.0	0.0
394	10/12/2024 14:39:04	0.0	0.0	0.0	0.0
395	10/12/2024 14:40:04	0.0	0.0	0.0	0.0
396	10/12/2024 14:41:04	0.0	0.0	0.0	0.0
397	10/12/2024 14:42:04	0.0	0.0	0.0	0.0
398	10/12/2024 14:43:04	0.0	0.0	0.0	0.0
399	10/12/2024 14:44:04	0.0	0.0	0.0	0.0
400	10/12/2024 14:45:04	0.0	0.0	0.0	0.0
401	10/12/2024 14:46:04	0.0	0.0	0.0	0.0
402	10/12/2024 14:47:04	0.0	0.0	0.0	0.0
403	10/12/2024 14:48:04	0.0	0.0	0.0	0.0
404	10/12/2024 14:49:04	0.0	0.0	0.0	0.0
405	10/12/2024 14:50:04	0.0	0.0	0.0	0.0
406	10/12/2024 14:51:04	0.0	0.0	0.0	0.0
407	10/12/2024 14:52:04	0.0	0.0	0.0	0.0
408	10/12/2024 14:53:04	0.0	0.0	0.0	0.0

409	10/12/2024 14:54:04	0.0	0.0	0.0	0.0
410	10/12/2024 14:55:04	0.0	0.0	0.0	0.0
411	10/12/2024 14:56:04	0.0	0.0	0.0	0.0
412	10/12/2024 14:57:04	0.0	0.0	0.0	0.0
413	10/12/2024 14:58:04	0.0	0.0	0.0	0.0
414	10/12/2024 14:59:04	0.0	0.0	0.0	0.0
415	10/12/2024 15:00:04	0.0	0.0	0.0	0.0
416	10/12/2024 15:01:04	0.0	0.0	0.0	0.0
417	10/12/2024 15:02:04	0.0	0.0	0.0	0.0
418	10/12/2024 15:03:04	0.0	0.0	0.0	0.0
419	10/12/2024 15:04:04	0.0	0.0	0.0	0.0
420	10/12/2024 15:05:04	0.0	0.0	0.0	0.0
421	10/12/2024 15:06:04	0.0	0.0	0.0	0.0
422	10/12/2024 15:07:04	0.0	0.0	0.0	0.0
423	10/12/2024 15:08:04	0.0	0.0	0.0	0.0
424	10/12/2024 15:09:04	0.0	0.0	0.0	0.0
425	10/12/2024 15:10:04	0.0	0.0	0.0	0.0
426	10/12/2024 15:11:04	0.0	0.0	0.0	0.0
427	10/12/2024 15:12:04	0.0	0.0	0.0	0.0
428	10/12/2024 15:13:04	0.0	0.0	0.0	0.0
429	10/12/2024 15:14:04	0.0	0.0	0.0	0.0
430	10/12/2024 15:15:04	0.0	0.0	0.0	0.0
431	10/12/2024 15:16:04	0.0	0.0	0.0	0.0
432	10/12/2024 15:17:04	0.0	0.0	0.0	0.0
433	10/12/2024 15:18:04	0.0	0.0	0.0	0.0
434	10/12/2024 15:19:04	0.0	0.0	0.0	0.0
435	10/12/2024 15:20:04	0.0	0.0	0.0	0.0
436	10/12/2024 15:21:04	0.0	0.0	0.0	0.0
437	10/12/2024 15:22:04	0.0	0.0	0.0	0.0
438	10/12/2024 15:23:04	0.0	0.0	0.0	0.0
439	10/12/2024 15:24:04	0.0	0.0	0.0	0.0
440	10/12/2024 15:25:04	0.0	0.0	0.0	0.0
441	10/12/2024 15:26:04	0.0	0.0	0.0	0.0
442	10/12/2024 15:27:04	0.0	0.0	0.0	0.0
443	10/12/2024 15:28:04	0.0	0.0	0.0	0.0
444	10/12/2024 15:29:04	0.0	0.0	0.0	0.0
445	10/12/2024 15:30:04	0.0	0.0	0.0	0.0
446	10/12/2024 15:31:04	0.0	0.0	0.0	0.0
447	10/12/2024 15:32:04	0.0	0.0	0.0	0.0
448	10/12/2024 15:33:04	0.0	0.0	0.0	0.0
449	10/12/2024 15:34:04	0.0	0.0	0.0	0.0
450	10/12/2024 15:35:04	0.0	0.0	0.0	0.0
451	10/12/2024 15:36:04	0.0	0.0	0.0	0.0
452	10/12/2024 15:37:04	0.0	0.0	0.0	0.0
453	10/12/2024 15:38:04	0.0	0.0	0.0	0.0
454	10/12/2024 15:39:04	0.0	0.0	0.0	0.0
455	10/12/2024 15:40:04	0.0	0.0	0.0	0.0
456	10/12/2024 15:41:04	0.0	0.0	0.0	0.0
457	10/12/2024 15:42:04	0.0	0.0	0.0	0.0
458	10/12/2024 15:43:04	0.0	0.0	0.0	0.0

459	10/12/2024 15:44:04	0.0	0.0	0.0	0.0
460	10/12/2024 15:45:04	0.0	0.0	0.0	0.0
461	10/12/2024 15:46:04	0.0	0.0	0.0	0.0
462	10/12/2024 15:47:04	0.0	0.0	0.0	0.0
463	10/12/2024 15:48:04	0.0	0.0	0.0	0.0
464	10/12/2024 15:49:04	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.1	0.1
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/12/2024 08:06:04	0.0	---
002	10/12/2024 08:07:04	0.0	---
003	10/12/2024 08:08:04	0.0	---
004	10/12/2024 08:09:04	0.0	---
005	10/12/2024 08:10:04	0.0	---
006	10/12/2024 08:11:04	0.0	---
007	10/12/2024 08:12:04	0.0	---
008	10/12/2024 08:13:04	0.0	---
009	10/12/2024 08:14:04	0.0	---
010	10/12/2024 08:15:04	0.0	---
011	10/12/2024 08:16:04	0.0	---
012	10/12/2024 08:17:04	0.0	---
013	10/12/2024 08:18:04	0.0	---
014	10/12/2024 08:19:04	0.0	---
015	10/12/2024 08:20:04	0.0	0.0
016	10/12/2024 08:21:04	0.0	0.0
017	10/12/2024 08:22:04	0.0	0.0
018	10/12/2024 08:23:04	0.0	0.0
019	10/12/2024 08:24:04	0.0	0.0
020	10/12/2024 08:25:04	0.0	0.0
021	10/12/2024 08:26:04	0.0	0.0
022	10/12/2024 08:27:04	0.0	0.0
023	10/12/2024 08:28:04	0.0	0.0
024	10/12/2024 08:29:04	0.0	0.0
025	10/12/2024 08:30:04	0.0	0.0
026	10/12/2024 08:31:04	0.0	0.0
027	10/12/2024 08:32:04	0.0	0.0
028	10/12/2024 08:33:04	0.0	0.0
029	10/12/2024 08:34:04	0.0	0.0
030	10/12/2024 08:35:04	0.0	0.0
031	10/12/2024 08:36:04	0.0	0.0
032	10/12/2024 08:37:04	0.0	0.0
033	10/12/2024 08:38:04	0.0	0.0
034	10/12/2024 08:39:04	0.0	0.0
035	10/12/2024 08:40:04	0.0	0.0
036	10/12/2024 08:41:04	0.0	0.0

037	10/12/2024 08:42:04	0.0	0.0
038	10/12/2024 08:43:04	0.0	0.0
039	10/12/2024 08:44:04	0.0	0.0
040	10/12/2024 08:45:04	0.0	0.0
041	10/12/2024 08:46:04	0.0	0.0
042	10/12/2024 08:47:04	0.0	0.0
043	10/12/2024 08:48:04	0.0	0.0
044	10/12/2024 08:49:04	0.0	0.0
045	10/12/2024 08:50:04	0.0	0.0
046	10/12/2024 08:51:04	0.0	0.0
047	10/12/2024 08:52:04	0.0	0.0
048	10/12/2024 08:53:04	0.0	0.0
049	10/12/2024 08:54:04	0.0	0.0
050	10/12/2024 08:55:04	0.0	0.0
051	10/12/2024 08:56:04	0.0	0.0
052	10/12/2024 08:57:04	0.0	0.0
053	10/12/2024 08:58:04	0.0	0.0
054	10/12/2024 08:59:04	0.0	0.0
055	10/12/2024 09:00:04	0.0	0.0
056	10/12/2024 09:01:04	0.0	0.0
057	10/12/2024 09:02:04	0.0	0.0
058	10/12/2024 09:03:04	0.0	0.0
059	10/12/2024 09:04:04	0.0	0.0
060	10/12/2024 09:05:04	0.0	0.0
061	10/12/2024 09:06:04	0.0	0.0
062	10/12/2024 09:07:04	0.0	0.0
063	10/12/2024 09:08:04	0.0	0.0
064	10/12/2024 09:09:04	0.0	0.0
065	10/12/2024 09:10:04	0.0	0.0
066	10/12/2024 09:11:04	0.0	0.0
067	10/12/2024 09:12:04	0.0	0.0
068	10/12/2024 09:13:04	0.0	0.0
069	10/12/2024 09:14:04	0.0	0.0
070	10/12/2024 09:15:04	0.0	0.0
071	10/12/2024 09:16:04	0.0	0.0
072	10/12/2024 09:17:04	0.0	0.0
073	10/12/2024 09:18:04	0.0	0.0
074	10/12/2024 09:19:04	0.0	0.0
075	10/12/2024 09:20:04	0.0	0.0
076	10/12/2024 09:21:04	0.0	0.0
077	10/12/2024 09:22:04	0.0	0.0
078	10/12/2024 09:23:04	0.0	0.0
079	10/12/2024 09:24:04	0.0	0.0
080	10/12/2024 09:25:04	0.0	0.0
081	10/12/2024 09:26:04	0.0	0.0
082	10/12/2024 09:27:04	0.0	0.0
083	10/12/2024 09:28:04	0.0	0.0
084	10/12/2024 09:29:04	0.0	0.0
085	10/12/2024 09:30:04	0.0	0.0
086	10/12/2024 09:31:04	0.0	0.0

087	10/12/2024 09:32:04	0.0	0.0
088	10/12/2024 09:33:04	0.0	0.0
089	10/12/2024 09:34:04	0.0	0.0
090	10/12/2024 09:35:04	0.0	0.0
091	10/12/2024 09:36:04	0.0	0.0
092	10/12/2024 09:37:04	0.0	0.0
093	10/12/2024 09:38:04	0.0	0.0
094	10/12/2024 09:39:04	0.0	0.0
095	10/12/2024 09:40:04	0.0	0.0
096	10/12/2024 09:41:04	0.0	0.0
097	10/12/2024 09:42:04	0.0	0.0
098	10/12/2024 09:43:04	0.0	0.0
099	10/12/2024 09:44:04	0.0	0.0
100	10/12/2024 09:45:04	0.0	0.0
101	10/12/2024 09:46:04	0.0	0.0
102	10/12/2024 09:47:04	0.0	0.0
103	10/12/2024 09:48:04	0.0	0.0
104	10/12/2024 09:49:04	0.0	0.0
105	10/12/2024 09:50:04	0.0	0.0
106	10/12/2024 09:51:04	0.0	0.0
107	10/12/2024 09:52:04	0.0	0.0
108	10/12/2024 09:53:04	0.0	0.0
109	10/12/2024 09:54:04	0.0	0.0
110	10/12/2024 09:55:04	0.0	0.0
111	10/12/2024 09:56:04	0.0	0.0
112	10/12/2024 09:57:04	0.0	0.0
113	10/12/2024 09:58:04	0.0	0.0
114	10/12/2024 09:59:04	0.0	0.0
115	10/12/2024 10:00:04	0.0	0.0
116	10/12/2024 10:01:04	0.0	0.0
117	10/12/2024 10:02:04	0.0	0.0
118	10/12/2024 10:03:04	0.0	0.0
119	10/12/2024 10:04:04	0.0	0.0
120	10/12/2024 10:05:04	0.0	0.0
121	10/12/2024 10:06:04	0.0	0.0
122	10/12/2024 10:07:04	0.0	0.0
123	10/12/2024 10:08:04	0.0	0.0
124	10/12/2024 10:09:04	0.0	0.0
125	10/12/2024 10:10:04	0.0	0.0
126	10/12/2024 10:11:04	0.0	0.0
127	10/12/2024 10:12:04	0.0	0.0
128	10/12/2024 10:13:04	0.0	0.0
129	10/12/2024 10:14:04	0.0	0.0
130	10/12/2024 10:15:04	0.0	0.0
131	10/12/2024 10:16:04	0.0	0.0
132	10/12/2024 10:17:04	0.0	0.0
133	10/12/2024 10:18:04	0.0	0.0
134	10/12/2024 10:19:04	0.0	0.0
135	10/12/2024 10:20:04	0.0	0.0
136	10/12/2024 10:21:04	0.0	0.0

137	10/12/2024 10:22:04	0.0	0.0
138	10/12/2024 10:23:04	0.0	0.0
139	10/12/2024 10:24:04	0.0	0.0
140	10/12/2024 10:25:04	0.0	0.0
141	10/12/2024 10:26:04	0.0	0.0
142	10/12/2024 10:27:04	0.0	0.0
143	10/12/2024 10:28:04	0.0	0.0
144	10/12/2024 10:29:04	0.0	0.0
145	10/12/2024 10:30:04	0.0	0.0
146	10/12/2024 10:31:04	0.0	0.0
147	10/12/2024 10:32:04	0.0	0.0
148	10/12/2024 10:33:04	0.0	0.0
149	10/12/2024 10:34:04	0.0	0.0
150	10/12/2024 10:35:04	0.0	0.0
151	10/12/2024 10:36:04	0.0	0.0
152	10/12/2024 10:37:04	0.0	0.0
153	10/12/2024 10:38:04	0.0	0.0
154	10/12/2024 10:39:04	0.0	0.0
155	10/12/2024 10:40:04	0.0	0.0
156	10/12/2024 10:41:04	0.0	0.0
157	10/12/2024 10:42:04	0.0	0.0
158	10/12/2024 10:43:04	0.0	0.0
159	10/12/2024 10:44:04	0.0	0.0
160	10/12/2024 10:45:04	0.0	0.0
161	10/12/2024 10:46:04	0.0	0.0
162	10/12/2024 10:47:04	0.0	0.0
163	10/12/2024 10:48:04	0.0	0.0
164	10/12/2024 10:49:04	0.0	0.0
165	10/12/2024 10:50:04	0.0	0.0
166	10/12/2024 10:51:04	0.0	0.0
167	10/12/2024 10:52:04	0.0	0.0
168	10/12/2024 10:53:04	0.0	0.0
169	10/12/2024 10:54:04	0.0	0.0
170	10/12/2024 10:55:04	0.0	0.0
171	10/12/2024 10:56:04	0.0	0.0
172	10/12/2024 10:57:04	0.0	0.0
173	10/12/2024 10:58:04	0.0	0.0
174	10/12/2024 10:59:04	0.0	0.0
175	10/12/2024 11:00:04	0.0	0.0
176	10/12/2024 11:01:04	0.0	0.0
177	10/12/2024 11:02:04	0.0	0.0
178	10/12/2024 11:03:04	0.0	0.0
179	10/12/2024 11:04:04	0.0	0.0
180	10/12/2024 11:05:04	0.0	0.0
181	10/12/2024 11:06:04	0.0	0.0
182	10/12/2024 11:07:04	0.0	0.0
183	10/12/2024 11:08:04	0.0	0.0
184	10/12/2024 11:09:04	0.0	0.0
185	10/12/2024 11:10:04	0.0	0.0
186	10/12/2024 11:11:04	0.0	0.0

187	10/12/2024 11:12:04	0.0	0.0
188	10/12/2024 11:13:04	0.0	0.0
189	10/12/2024 11:14:04	0.0	0.0
190	10/12/2024 11:15:04	0.0	0.0
191	10/12/2024 11:16:04	0.0	0.0
192	10/12/2024 11:17:04	0.0	0.0
193	10/12/2024 11:18:04	0.0	0.0
194	10/12/2024 11:19:04	0.0	0.0
195	10/12/2024 11:20:04	0.0	0.0
196	10/12/2024 11:21:04	0.0	0.0
197	10/12/2024 11:22:04	0.0	0.0
198	10/12/2024 11:23:04	0.0	0.0
199	10/12/2024 11:24:04	0.0	0.0
200	10/12/2024 11:25:04	0.0	0.0
201	10/12/2024 11:26:04	0.0	0.0
202	10/12/2024 11:27:04	0.0	0.0
203	10/12/2024 11:28:04	0.0	0.0
204	10/12/2024 11:29:04	0.0	0.0
205	10/12/2024 11:30:04	0.0	0.0
206	10/12/2024 11:31:04	0.0	0.0
207	10/12/2024 11:32:04	0.0	0.0
208	10/12/2024 11:33:04	0.0	0.0
209	10/12/2024 11:34:04	0.0	0.0
210	10/12/2024 11:35:04	0.0	0.0
211	10/12/2024 11:36:04	0.0	0.0
212	10/12/2024 11:37:04	0.0	0.0
213	10/12/2024 11:38:04	0.0	0.0
214	10/12/2024 11:39:04	0.0	0.0
215	10/12/2024 11:40:04	0.0	0.0
216	10/12/2024 11:41:04	0.0	0.0
217	10/12/2024 11:42:04	0.0	0.0
218	10/12/2024 11:43:04	0.0	0.0
219	10/12/2024 11:44:04	0.0	0.0
220	10/12/2024 11:45:04	0.0	0.0
221	10/12/2024 11:46:04	0.0	0.0
222	10/12/2024 11:47:04	0.0	0.0
223	10/12/2024 11:48:04	0.0	0.0
224	10/12/2024 11:49:04	0.0	0.0
225	10/12/2024 11:50:04	0.0	0.0
226	10/12/2024 11:51:04	0.0	0.0
227	10/12/2024 11:52:04	0.0	0.0
228	10/12/2024 11:53:04	0.0	0.0
229	10/12/2024 11:54:04	0.0	0.0
230	10/12/2024 11:55:04	0.0	0.0
231	10/12/2024 11:56:04	0.0	0.0
232	10/12/2024 11:57:04	0.0	0.0
233	10/12/2024 11:58:04	0.0	0.0
234	10/12/2024 11:59:04	0.0	0.0
235	10/12/2024 12:00:04	0.0	0.0
236	10/12/2024 12:01:04	0.0	0.0

237	10/12/2024 12:02:04	0.0	0.0
238	10/12/2024 12:03:04	0.0	0.0
239	10/12/2024 12:04:04	0.0	0.0
240	10/12/2024 12:05:04	0.0	0.0
241	10/12/2024 12:06:04	0.0	0.0
242	10/12/2024 12:07:04	0.0	0.0
243	10/12/2024 12:08:04	0.0	0.0
244	10/12/2024 12:09:04	0.0	0.0
245	10/12/2024 12:10:04	0.0	0.0
246	10/12/2024 12:11:04	0.0	0.0
247	10/12/2024 12:12:04	0.0	0.0
248	10/12/2024 12:13:04	0.0	0.0
249	10/12/2024 12:14:04	0.0	0.0
250	10/12/2024 12:15:04	0.0	0.0
251	10/12/2024 12:16:04	0.0	0.0
252	10/12/2024 12:17:04	0.0	0.0
253	10/12/2024 12:18:04	0.0	0.0
254	10/12/2024 12:19:04	0.0	0.0
255	10/12/2024 12:20:04	0.0	0.0
256	10/12/2024 12:21:04	0.0	0.0
257	10/12/2024 12:22:04	0.0	0.0
258	10/12/2024 12:23:04	0.0	0.0
259	10/12/2024 12:24:04	0.0	0.0
260	10/12/2024 12:25:04	0.0	0.0
261	10/12/2024 12:26:04	0.0	0.0
262	10/12/2024 12:27:04	0.0	0.0
263	10/12/2024 12:28:04	0.0	0.0
264	10/12/2024 12:29:04	0.0	0.0
265	10/12/2024 12:30:04	0.0	0.0
266	10/12/2024 12:31:04	0.0	0.0
267	10/12/2024 12:32:04	0.0	0.0
268	10/12/2024 12:33:04	0.0	0.0
269	10/12/2024 12:34:04	0.0	0.0
270	10/12/2024 12:35:04	0.0	0.0
271	10/12/2024 12:36:04	0.0	0.0
272	10/12/2024 12:37:04	0.0	0.0
273	10/12/2024 12:38:04	0.0	0.0
274	10/12/2024 12:39:04	0.0	0.0
275	10/12/2024 12:40:04	0.0	0.0
276	10/12/2024 12:41:04	0.0	0.0
277	10/12/2024 12:42:04	0.0	0.0
278	10/12/2024 12:43:04	0.0	0.0
279	10/12/2024 12:44:04	0.0	0.0
280	10/12/2024 12:45:04	0.0	0.0
281	10/12/2024 12:46:04	0.0	0.0
282	10/12/2024 12:47:04	0.0	0.0
283	10/12/2024 12:48:04	0.0	0.0
284	10/12/2024 12:49:04	0.0	0.0
285	10/12/2024 12:50:04	0.0	0.0
286	10/12/2024 12:51:04	0.0	0.0

287	10/12/2024 12:52:04	0.0	0.0
288	10/12/2024 12:53:04	0.0	0.0
289	10/12/2024 12:54:04	0.0	0.0
290	10/12/2024 12:55:04	0.0	0.0
291	10/12/2024 12:56:04	0.0	0.0
292	10/12/2024 12:57:04	0.0	0.0
293	10/12/2024 12:58:04	0.0	0.0
294	10/12/2024 12:59:04	0.0	0.0
295	10/12/2024 13:00:04	0.0	0.0
296	10/12/2024 13:01:04	0.0	0.0
297	10/12/2024 13:02:04	0.0	0.0
298	10/12/2024 13:03:04	0.0	0.0
299	10/12/2024 13:04:04	0.0	0.0
300	10/12/2024 13:05:04	0.0	0.0
301	10/12/2024 13:06:04	0.0	0.0
302	10/12/2024 13:07:04	0.0	0.0
303	10/12/2024 13:08:04	0.0	0.0
304	10/12/2024 13:09:04	0.0	0.0
305	10/12/2024 13:10:04	0.0	0.0
306	10/12/2024 13:11:04	0.0	0.0
307	10/12/2024 13:12:04	0.0	0.0
308	10/12/2024 13:13:04	0.0	0.0
309	10/12/2024 13:14:04	0.0	0.0
310	10/12/2024 13:15:04	0.0	0.0
311	10/12/2024 13:16:04	0.0	0.0
312	10/12/2024 13:17:04	0.0	0.0
313	10/12/2024 13:18:04	0.0	0.0
314	10/12/2024 13:19:04	0.0	0.0
315	10/12/2024 13:20:04	0.0	0.0
316	10/12/2024 13:21:04	0.0	0.0
317	10/12/2024 13:22:04	0.0	0.0
318	10/12/2024 13:23:04	0.0	0.0
319	10/12/2024 13:24:04	0.0	0.0
320	10/12/2024 13:25:04	0.0	0.0
321	10/12/2024 13:26:04	0.0	0.0
322	10/12/2024 13:27:04	0.0	0.0
323	10/12/2024 13:28:04	0.0	0.0
324	10/12/2024 13:29:04	0.0	0.0
325	10/12/2024 13:30:04	0.0	0.0
326	10/12/2024 13:31:04	0.0	0.0
327	10/12/2024 13:32:04	0.0	0.0
328	10/12/2024 13:33:04	0.0	0.0
329	10/12/2024 13:34:04	0.0	0.0
330	10/12/2024 13:35:04	0.0	0.0
331	10/12/2024 13:36:04	0.0	0.0
332	10/12/2024 13:37:04	0.0	0.0
333	10/12/2024 13:38:04	0.0	0.0
334	10/12/2024 13:39:04	0.0	0.0
335	10/12/2024 13:40:04	0.0	0.0
336	10/12/2024 13:41:04	0.0	0.0

337	10/12/2024 13:42:04	0.0	0.0
338	10/12/2024 13:43:04	0.0	0.0
339	10/12/2024 13:44:04	0.0	0.0
340	10/12/2024 13:45:04	0.0	0.0
341	10/12/2024 13:46:04	0.0	0.0
342	10/12/2024 13:47:04	0.0	0.0
343	10/12/2024 13:48:04	0.0	0.0
344	10/12/2024 13:49:04	0.0	0.0
345	10/12/2024 13:50:04	0.0	0.0
346	10/12/2024 13:51:04	0.0	0.0
347	10/12/2024 13:52:04	0.0	0.0
348	10/12/2024 13:53:04	0.0	0.0
349	10/12/2024 13:54:04	0.0	0.0
350	10/12/2024 13:55:04	0.0	0.0
351	10/12/2024 13:56:04	0.0	0.0
352	10/12/2024 13:57:04	0.0	0.0
353	10/12/2024 13:58:04	0.0	0.0
354	10/12/2024 13:59:04	0.0	0.0
355	10/12/2024 14:00:04	0.0	0.0
356	10/12/2024 14:01:04	0.0	0.0
357	10/12/2024 14:02:04	0.0	0.0
358	10/12/2024 14:03:04	0.0	0.0
359	10/12/2024 14:04:04	0.0	0.0
360	10/12/2024 14:05:04	0.0	0.0
361	10/12/2024 14:06:04	0.0	0.0
362	10/12/2024 14:07:04	0.0	0.0
363	10/12/2024 14:08:04	0.0	0.0
364	10/12/2024 14:09:04	0.0	0.0
365	10/12/2024 14:10:04	0.0	0.0
366	10/12/2024 14:11:04	0.0	0.0
367	10/12/2024 14:12:04	0.0	0.0
368	10/12/2024 14:13:04	0.0	0.0
369	10/12/2024 14:14:04	0.0	0.0
370	10/12/2024 14:15:04	0.0	0.0
371	10/12/2024 14:16:04	0.0	0.0
372	10/12/2024 14:17:04	0.0	0.0
373	10/12/2024 14:18:04	0.0	0.0
374	10/12/2024 14:19:04	0.0	0.0
375	10/12/2024 14:20:04	0.0	0.0
376	10/12/2024 14:21:04	0.0	0.0
377	10/12/2024 14:22:04	0.0	0.0
378	10/12/2024 14:23:04	0.0	0.0
379	10/12/2024 14:24:04	0.0	0.0
380	10/12/2024 14:25:04	0.0	0.0
381	10/12/2024 14:26:04	0.0	0.0
382	10/12/2024 14:27:04	0.0	0.0
383	10/12/2024 14:28:04	0.0	0.0
384	10/12/2024 14:29:04	0.0	0.0
385	10/12/2024 14:30:04	0.0	0.0
386	10/12/2024 14:31:04	0.0	0.0

387	10/12/2024 14:32:04	0.0	0.0
388	10/12/2024 14:33:04	0.0	0.0
389	10/12/2024 14:34:04	0.0	0.0
390	10/12/2024 14:35:04	0.0	0.0
391	10/12/2024 14:36:04	0.0	0.0
392	10/12/2024 14:37:04	0.0	0.0
393	10/12/2024 14:38:04	0.0	0.0
394	10/12/2024 14:39:04	0.0	0.0
395	10/12/2024 14:40:04	0.0	0.0
396	10/12/2024 14:41:04	0.0	0.0
397	10/12/2024 14:42:04	0.0	0.0
398	10/12/2024 14:43:04	0.0	0.0
399	10/12/2024 14:44:04	0.0	0.0
400	10/12/2024 14:45:04	0.0	0.0
401	10/12/2024 14:46:04	0.0	0.0
402	10/12/2024 14:47:04	0.0	0.0
403	10/12/2024 14:48:04	0.0	0.0
404	10/12/2024 14:49:04	0.0	0.0
405	10/12/2024 14:50:04	0.0	0.0
406	10/12/2024 14:51:04	0.0	0.0
407	10/12/2024 14:52:04	0.0	0.0
408	10/12/2024 14:53:04	0.0	0.0
409	10/12/2024 14:54:04	0.0	0.0
410	10/12/2024 14:55:04	0.0	0.0
411	10/12/2024 14:56:04	0.0	0.0
412	10/12/2024 14:57:04	0.0	0.0
413	10/12/2024 14:58:04	0.0	0.0
414	10/12/2024 14:59:04	0.0	0.0
415	10/12/2024 15:00:04	0.0	0.0
416	10/12/2024 15:01:04	0.0	0.0
417	10/12/2024 15:02:04	0.0	0.0
418	10/12/2024 15:03:04	0.0	0.0
419	10/12/2024 15:04:04	0.0	0.0
420	10/12/2024 15:05:04	0.0	0.0
421	10/12/2024 15:06:04	0.0	0.0
422	10/12/2024 15:07:04	0.0	0.0
423	10/12/2024 15:08:04	0.0	0.0
424	10/12/2024 15:09:04	0.0	0.0
425	10/12/2024 15:10:04	0.0	0.0
426	10/12/2024 15:11:04	0.0	0.0
427	10/12/2024 15:12:04	0.0	0.0
428	10/12/2024 15:13:04	0.0	0.0
429	10/12/2024 15:14:04	0.0	0.0
430	10/12/2024 15:15:04	0.0	0.0
431	10/12/2024 15:16:04	0.0	0.0
432	10/12/2024 15:17:04	0.0	0.0
433	10/12/2024 15:18:04	0.0	0.0
434	10/12/2024 15:19:04	0.0	0.0
435	10/12/2024 15:20:04	0.0	0.0
436	10/12/2024 15:21:04	0.0	0.0

437	10/12/2024 15:22:04	0.0	0.0
438	10/12/2024 15:23:04	0.0	0.0
439	10/12/2024 15:24:04	0.0	0.0
440	10/12/2024 15:25:04	0.0	0.0
441	10/12/2024 15:26:04	0.0	0.0
442	10/12/2024 15:27:04	0.0	0.0
443	10/12/2024 15:28:04	0.0	0.0
444	10/12/2024 15:29:04	0.0	0.0
445	10/12/2024 15:30:04	0.0	0.0
446	10/12/2024 15:31:04	0.0	0.0
447	10/12/2024 15:32:04	0.0	0.0
448	10/12/2024 15:33:04	0.0	0.0
449	10/12/2024 15:34:04	0.0	0.0
450	10/12/2024 15:35:04	0.0	0.0
451	10/12/2024 15:36:04	0.0	0.0
452	10/12/2024 15:37:04	0.0	0.0
453	10/12/2024 15:38:04	0.0	0.0
454	10/12/2024 15:39:04	0.0	0.0
455	10/12/2024 15:40:04	0.0	0.0
456	10/12/2024 15:41:04	0.0	0.0
457	10/12/2024 15:42:04	0.0	0.0
458	10/12/2024 15:43:04	0.0	0.0
459	10/12/2024 15:44:04	0.0	0.0
460	10/12/2024 15:45:04	0.0	0.0
461	10/12/2024 15:46:04	0.0	0.0
462	10/12/2024 15:47:04	0.0	0.0
463	10/12/2024 15:48:04	0.0	0.0
464	10/12/2024 15:49:04	0.0	0.0

Model:	DustTrak II - Downwind
Model Number:	8530
Serial Number:	8530123601
Test ID:	6
Test Abbreviation:	MANUAL_006
Start Date:	8/26/2024
Start Time:	11:19:44
Duration (dd:hh:mm:	0:05:15:00
Log Interval (mm:ss):	15:00
Number of points:	21
Notes:	

Statistics	Channel:	AEROSOL
	Units:	mg/m^3
	Average:	0.031
	Minimum:	0.025
	Time of Minimum:	15:34:44
	Date of Minimum:	8/26/2024
	Maximum:	0.037
	Time of Maximum:	11:34:44
	Date of Maximum:	8/26/2024

Calibration	Sensor:	AEROSOL
	Cal. date	3/11/2024

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/26/2024	11:34:44	0.037
8/26/2024	11:49:44	0.036
8/26/2024	12:04:44	0.036
8/26/2024	12:19:44	0.035
8/26/2024	12:34:44	0.035
8/26/2024	12:49:44	0.035
8/26/2024	13:04:44	0.035
8/26/2024	13:19:44	0.035
8/26/2024	13:34:44	0.035
8/26/2024	13:49:44	0.033
8/26/2024	14:04:44	0.032
8/26/2024	14:19:44	0.03
8/26/2024	14:34:44	0.03
8/26/2024	14:49:44	0.029
8/26/2024	15:04:44	0.028
8/26/2024	15:19:44	0.026
8/26/2024	15:34:44	0.025
8/26/2024	15:49:44	0.025
8/26/2024	16:04:44	0.025
8/26/2024	16:19:44	0.028
8/26/2024	16:34:44	0.03

Model:	DustTrak II - Downwind
Model Number:	8530
Serial Number:	8530123601
Test ID:	7
Test Abbreviation:	MANUAL_007
Start Date:	8/27/2024
Start Time:	7:30:29
Duration (dd:hh:mm:	0:03:15:00
Log Interval (mm:ss):	15:00
Number of points:	13
Notes:	

Statistics	Channel:	AEROSOL
	Units:	mg/m^3
	Average:	0.036
	Minimum:	0.034
	Time of Minimum:	9:30:29
	Date of Minimum:	8/27/2024
	Maximum:	0.04
	Time of Maximum:	8:00:29
	Date of Maximum:	8/27/2024

Calibration	Sensor:	AEROSOL
	Cal. date	3/11/2024

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/27/2024	7:45:29	0.038
8/27/2024	8:00:29	0.04
8/27/2024	8:15:29	0.04
8/27/2024	8:30:29	0.039
8/27/2024	8:45:29	0.039
8/27/2024	9:00:29	0.036
8/27/2024	9:15:29	0.035
8/27/2024	9:30:29	0.034
8/27/2024	9:45:29	0.034
8/27/2024	10:00:29	0.035
8/27/2024	10:15:29	0.035
8/27/2024	10:30:29	0.035
8/27/2024	10:45:29	0.034

Model:	DustTrak II - Downwind
Model Number:	8530
Serial Number:	8530123601
Test ID:	8
Test Abbreviation:	MANUAL_008
Start Date:	8/27/2024
Start Time:	11:59:51
Duration (dd:hh:mm:	0:05:15:00
Log Interval (mm:ss):	15:00
Number of points:	21
Notes:	

Statistics	Channel:	AEROSOL
	Units:	mg/m^3
	Average:	0.032
	Minimum:	0.03
	Time of Minimum:	12:29:51
	Date of Minimum:	8/27/2024
	Maximum:	0.033
	Time of Maximum:	15:59:51
	Date of Maximum:	8/27/2024

Calibration	Sensor:	AEROSOL
	Cal. date	3/11/2024

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/27/2024	12:14:51	0.031
8/27/2024	12:29:51	0.03
8/27/2024	12:44:51	0.03
8/27/2024	12:59:51	0.03
8/27/2024	13:14:51	0.03
8/27/2024	13:29:51	0.03
8/27/2024	13:44:51	0.031
8/27/2024	13:59:51	0.032
8/27/2024	14:14:51	0.032
8/27/2024	14:29:51	0.032
8/27/2024	14:44:51	0.032
8/27/2024	14:59:51	0.031
8/27/2024	15:14:51	0.032
8/27/2024	15:29:51	0.032
8/27/2024	15:44:51	0.032
8/27/2024	15:59:51	0.033
8/27/2024	16:14:51	0.033
8/27/2024	16:29:51	0.033
8/27/2024	16:44:51	0.033
8/27/2024	16:59:51	0.033
8/27/2024	17:14:51	0.033

Model:	DustTrak II - Downwind
Model Number:	8530
Serial Number:	8530123601
Test ID:	9
Test Abbreviation:	MANUAL_009
Start Date:	8/28/2024
Start Time:	7:40:49
Duration (dd:hh:mm:	0:09:15:00
Log Interval (mm:ss):	15:00
Number of points:	37
Notes:	

Statistics	Channel:	AEROSOL
	Units:	mg/m^3
	Average:	0.016
	Minimum:	0.011
	Time of Minimum:	14:10:49
	Date of Minimum:	8/28/2024
	Maximum:	0.047
	Time of Maximum:	7:55:49
	Date of Maximum:	8/28/2024

Calibration	Sensor:	AEROSOL
	Cal. date	3/11/2024

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/28/2024	7:55:49	0.047
8/28/2024	8:10:49	0.041
8/28/2024	8:25:49	0.024
8/28/2024	8:40:49	0.017
8/28/2024	8:55:49	0.017
8/28/2024	9:10:49	0.016
8/28/2024	9:25:49	0.015
8/28/2024	9:40:49	0.014
8/28/2024	9:55:49	0.012
8/28/2024	10:10:49	0.012
8/28/2024	10:25:49	0.013
8/28/2024	10:40:49	0.012
8/28/2024	10:55:49	0.012
8/28/2024	11:10:49	0.012
8/28/2024	11:25:49	0.012
8/28/2024	11:40:49	0.012
8/28/2024	11:55:49	0.012
8/28/2024	12:10:49	0.013
8/28/2024	12:25:49	0.013
8/28/2024	12:40:49	0.013
8/28/2024	12:55:49	0.013
8/28/2024	13:10:49	0.012
8/28/2024	13:25:49	0.012
8/28/2024	13:40:49	0.012
8/28/2024	13:55:49	0.012
8/28/2024	14:10:49	0.011
8/28/2024	14:25:49	0.012
8/28/2024	14:40:49	0.012
8/28/2024	14:55:49	0.013
8/28/2024	15:10:49	0.014
8/28/2024	15:25:49	0.014
8/28/2024	15:40:49	0.014
8/28/2024	15:55:49	0.015
8/28/2024	16:10:49	0.016
8/28/2024	16:25:49	0.028
8/28/2024	16:40:49	0.031
8/28/2024	16:55:49	0.023

Instrument Name	DustTrak II - Downwind
Model Number	8530
Serial Number	8530141705
Firmware Version	3.1
Calibration Date	7/9/2024
Test Name	MANUAL_001
Test Start Time	8:11:10 AM
Test Start Date	10/12/2024
Test Length [D:H:M]	0:07:15
Test Interval [M:S]	15:00
Mass Average [mg/m	0.005
Mass Minimum [mg/r	0
Mass Maximum [mg/	0.016
Mass TWA [mg/m3]	0.004
Photometric User Ca	1
Flow User Cal	0
Errors	
Number of Samples	29

Date MM/dd/yyyy	Elapsed Time [s]	Mass [mg/m3]
10/12/2024	900	0.016
10/12/2024	1800	0.012
10/12/2024	2700	0.01
10/12/2024	3600	0.009
10/12/2024	4500	0.009
10/12/2024	5400	0.009
10/12/2024	6300	0.009
10/12/2024	7200	0.009
10/12/2024	8100	0.008
10/12/2024	9000	0.007
10/12/2024	9900	0.006
10/12/2024	10800	0.006
10/12/2024	11700	0.005
10/12/2024	12600	0.003
10/12/2024	13500	0.003
10/12/2024	14400	0.003
10/12/2024	15300	0.002
10/12/2024	16200	0.002
10/12/2024	17100	0.002
10/12/2024	18000	0.002
10/12/2024	18900	0.001
10/12/2024	19800	0.001
10/12/2024	20700	0
10/12/2024	21600	0
10/12/2024	22500	0
10/12/2024	23400	0
10/12/2024	24300	0
10/12/2024	25200	0
10/12/2024	26100	0

24/08/26 11:44
****
Summary

Unit Name MiniRAE 3000(PGM-7320) - Upwind
Unit SN 592-918988
Unit Firmw V2.22

Running Mo Hygiene Mode
Datalog Mo Auto
Diagnostic No
Stop Reasc Pause in Menu Mode

Site ID 12345678
User ID 12345678

Begin 8/26/2024 11:44
End 8/26/2024 11:44
Sample Pe 900
Number of 0

Sensor PID(ppm)
Sensor SN S023030089A2
Measure Ty Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 8/22/2024 8:09

****
Datalog

0 record.

==========
24/08/26 12:20
****
Summary

Unit Name MiniRAE 3000(PGM-7320) - Upwind
Unit SN 592-918988
Unit Firmw V2.22

Running Mo Hygiene Mode
Datalog Mo Auto
Diagnostic No
Stop Reasc Pause in Menu Mode

Site ID 12345678
User ID 12345678

Begin 8/26/2024 12:20
End 8/26/2024 12:20
Sample Pe 900
Number of 0

Sensor PID(ppm)
Sensor SN S023030089A2
Measure Ty Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 8/26/2024 11:47

****
Datalog

0 record.

==========
24/08/26 12:21
****
Summary

Unit Name	MiniRAE 3000(PGM-7320) - Upwind
Unit SN	592-918988
Unit Firmw	V2.22
Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reasc	Power Down
Site ID	12345678
User ID	12345678
Begin	8/26/2024 12:21
End	8/26/2024 17:50
Sample Pe	900
Number of	21
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurem	Isobutylene
Calibration	8/26/2024 11:47
Peak	1
Min	0.3
Average	0.9

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	8/26/2024 12:36	0.1	0.3	0.3
002	8/26/2024 12:51	0.5	0.7	0.6
003	8/26/2024 13:06	0.8	0.9	0.9
004	8/26/2024 13:21	1	1	1
005	8/26/2024 13:36	1	1.1	1
006	8/26/2024 13:51	1	1	0.9
007	8/26/2024 14:06	1	1	1
008	8/26/2024 14:21	1	1	1
009	8/26/2024 14:36	1	1	1
010	8/26/2024 14:51	1	1	1
011	8/26/2024 15:06	1	1	0.9
012	8/26/2024 15:21	0.9	1	0.9
013	8/26/2024 15:36	0.9	0.9	0.9
014	8/26/2024 15:51	0.9	1	0.9
015	8/26/2024 16:06	0.9	0.9	0.9
016	8/26/2024 16:21	0.9	0.9	0.8
017	8/26/2024 16:36	0.7	0.8	0.7
018	8/26/2024 16:51	0.7	0.8	0.8
019	8/26/2024 17:06	0.7	0.8	0.7
020	8/26/2024 17:21	0.8	0.8	0.8
021	8/26/2024 17:36	0.8	0.9	0.9
Peak		1	1.1	1
Min		0.1	0.3	0.3
Average		0.8	0.9	0.9

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	8/26/2024 12:36	0	0.3
002	8/26/2024 12:51	0	0.9
003	8/26/2024 13:06	0.1	1.5
004	8/26/2024 13:21	0.1	1.9
005	8/26/2024 13:36	0.1	2
006	8/26/2024 13:51	0.1	1.9
007	8/26/2024 14:06	0.2	1.9
008	8/26/2024 14:21	0.2	2
009	8/26/2024 14:36	0.2	2
010	8/26/2024 14:51	0.3	2
011	8/26/2024 15:06	0.3	1.9
012	8/26/2024 15:21	0.3	1.8
013	8/26/2024 15:36	0.4	1.8
014	8/26/2024 15:51	0.4	1.8
015	8/26/2024 16:06	0.4	1.8
016	8/26/2024 16:21	0.4	1.7
017	8/26/2024 16:36	0.5	1.5
018	8/26/2024 16:51	0.5	1.5
019	8/26/2024 17:06	0.5	1.5
020	8/26/2024 17:21	0.5	1.5
021	8/26/2024 17:36	0.6	1.7

==========

24/08/27 08:11

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Upwind
Unit SN	592-918988
Unit Firmw	V2.22

Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reasc	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	8/27/2024 8:11
End	8/27/2024 8:12
Sample Pe	900
Number of	0

Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurem	Isobutylene
Calibration	8/26/2024 11:47

****

Datalog

0 record.

==========
24/08/27 08:22
****
Summary

Unit Name	MiniRAE 3000(PGM-7320) - Upwind
Unit SN	592-918988
Unit Firmw	V2.22
Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reaso	Power Down
Site ID	12345678
User ID	12345678
Begin	8/27/2024 8:22
End	8/27/2024 11:52
Sample Pe	900
Number of	14
Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurem	Isobutylene
Calibration	8/27/2024 8:14
Peak	1.5
Min	0.2
Average	0.9

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	8/27/2024 8:37	0.1	0.2	0.2
002	8/27/2024 8:52	0.2	0.3	0.3
003	8/27/2024 9:07	0.3	0.4	0.4
004	8/27/2024 9:22	0.4	0.5	0.5
005	8/27/2024 9:37	0.5	0.5	0.5
006	8/27/2024 9:52	0.6	0.7	0.7
007	8/27/2024 10:07	0.7	0.8	0.8
008	8/27/2024 10:22	0.9	0.9	0.9
009	8/27/2024 10:37	1	1.1	1.1
010	8/27/2024 10:52	1.2	1.2	1.2
011	8/27/2024 11:07	1.3	1.3	1.3
012	8/27/2024 11:22	1.4	1.4	1.4
013	8/27/2024 11:37	1.5	1.5	1.5
014	8/27/2024 11:52	1.5	1.6	1.5
Peak		1.5	1.6	1.5
Min		0.1	0.2	0.2
Average		0.8	0.9	0.9

****
TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	8/27/2024 8:37	0	0.2
002	8/27/2024 8:52	0	0.5
003	8/27/2024 9:07	0	0.7
004	8/27/2024 9:22	0	0.9
005	8/27/2024 9:37	0.1	1
006	8/27/2024 9:52	0.1	1.2
007	8/27/2024 10:07	0.1	1.5
008	8/27/2024 10:22	0.1	1.7
009	8/27/2024 10:37	0.2	2
010	8/27/2024 10:52	0.2	2.3
011	8/27/2024 11:07	0.2	2.5
012	8/27/2024 11:22	0.3	2.7
013	8/27/2024 11:37	0.3	2.9
014	8/27/2024 11:52	0.4	3

==========

24/08/27 13:00
****
Summary

Unit Name MiniRAE 3000(PGM-7320) - Upwind
Unit SN 592-918988
Unit Firmw V2.22

Running Mo Hygiene Mode
Datalog Mo Auto
Diagnostic No
Stop Reasc Pause in Menu Mode

Site ID 12345678
User ID 12345678

Begin 8/27/2024 13:00
End 8/27/2024 13:00
Sample Pe 900
Number of 0

Sensor PID(ppm)
Sensor SN S023030089A2
Measure Ty Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 8/27/2024 8:14

****
Datalog

0 record.

==========
24/08/27 13:01
****
Summary

Unit Name MiniRAE 3000(PGM-7320) - Upwind
Unit SN 592-918988
Unit Firmw V2.22

Running Mo Hygiene Mode
Datalog Mo Auto
Diagnostic No
Stop Reasc Power Down

Site ID 12345678
User ID 12345678

Begin 8/27/2024 13:01
End 8/27/2024 18:14
Sample Pe 900
Number of 20

Sensor PID(ppm)
Sensor SN S023030089A2
Measure Ty Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 8/27/2024 8:14
Peak 0.6
Min 0.2
Average 0.4

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	8/27/2024 13:16	0.1	0.2	0.2
002	8/27/2024 13:31	0.4	0.5	0.4
003	8/27/2024 13:46	0.5	0.6	0.6
004	8/27/2024 14:01	0.6	0.6	0.6
005	8/27/2024 14:16	0.6	0.6	0.6
006	8/27/2024 14:31	0.5	0.6	0.5
007	8/27/2024 14:46	0.5	0.5	0.5
008	8/27/2024 15:01	0.5	0.5	0.5
009	8/27/2024 15:16	0.5	0.5	0.5
010	8/27/2024 15:31	0.5	0.5	0.5
011	8/27/2024 15:46	0.5	0.5	0.5
012	8/27/2024 16:01	0.5	0.5	0.5
013	8/27/2024 16:16	0.5	0.5	0.4
014	8/27/2024 16:31	0.4	0.5	0.4
015	8/27/2024 16:46	0.4	0.4	0.4
016	8/27/2024 17:01	0.4	0.4	0.3
017	8/27/2024 17:16	0.4	0.4	0.4
018	8/27/2024 17:31	0.4	0.4	0.3
019	8/27/2024 17:46	0.3	0.4	0.3
020	8/27/2024 18:01	0.3	0.3	0.2
Peak		0.6	0.6	0.6
Min		0.1	0.2	0.2
Average		0.4	0.5	0.4

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	8/27/2024 13:16	0	0.2
002	8/27/2024 13:31	0	0.6
003	8/27/2024 13:46	0	1
004	8/27/2024 14:01	0.1	1.2
005	8/27/2024 14:16	0.1	1.2
006	8/27/2024 14:31	0.1	1.1
007	8/27/2024 14:46	0.1	1
008	8/27/2024 15:01	0.1	1
009	8/27/2024 15:16	0.1	1
010	8/27/2024 15:31	0.2	1
011	8/27/2024 15:46	0.2	1
012	8/27/2024 16:01	0.2	1
013	8/27/2024 16:16	0.2	0.9
014	8/27/2024 16:31	0.2	0.8
015	8/27/2024 16:46	0.2	0.8
016	8/27/2024 17:01	0.2	0.7
017	8/27/2024 17:16	0.2	0.7
018	8/27/2024 17:31	0.3	0.7
019	8/27/2024 17:46	0.3	0.6
020	8/27/2024 18:01	0.3	0.5

==========

24/08/28 08:07

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Upwind
Unit SN	592-918988
Unit Firmw	V2.22

Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reasc	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	8/28/2024 8:07
End	8/28/2024 8:07
Sample Pe	900
Number of	0

Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurem	Isobutylene
Calibration	8/27/2024 8:14

****

Datalog

0 record.

==========
24/08/28 08:32
****
Summary

Unit Name MiniRAE 3000(PGM-7320) - Upwind
Unit SN 592-918988
Unit Firmw V2.22

Running Mo Hygiene Mode
Datalog Mo Auto
Diagnostic No
Stop Reasc Battery Low

Site ID 12345678
User ID 12345678

Begin 8/28/2024 8:32
End 8/28/2024 15:55
Sample Pe 900
Number of 29

Sensor PID(ppm)
Sensor SN S023030089A2
Measure Ty Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 8/28/2024 8:08
Peak 0.3
Min 0
Average 0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
001	8/28/2024 8:47	0	0	0
002	8/28/2024 9:02	0	0	0
003	8/28/2024 9:17	0	0	0
004	8/28/2024 9:32	0	0	0
005	8/28/2024 9:47	0	0	0
006	8/28/2024 10:02	0	0	0
007	8/28/2024 10:17	0	0	0
008	8/28/2024 10:32	0	0	0
009	8/28/2024 10:47	0	0	0
010	8/28/2024 11:02	0	0	0
011	8/28/2024 11:17	0	0	0
012	8/28/2024 11:32	0	0	0
013	8/28/2024 11:47	0	0	0
014	8/28/2024 12:02	0	0	0
015	8/28/2024 12:17	0	0	0
016	8/28/2024 12:32	0	0	0
017	8/28/2024 12:47	0.1	0.1	0.1
018	8/28/2024 13:02	0.1	0.2	0.1
019	8/28/2024 13:17	0.2	0.2	0.2
020	8/28/2024 13:32	0.2	0.2	0.2
021	8/28/2024 13:47	0.2	0.3	0.2
022	8/28/2024 14:02	0.3	0.3	0.3
023	8/28/2024 14:17	0.3	0.3	0.3
024	8/28/2024 14:32	0.3	0.3	0.3
025	8/28/2024 14:47	0.3	0.3	0.3
026	8/28/2024 15:02	0.3	0.3	0.3
027	8/28/2024 15:17	0.3	0.4	0.3
028	8/28/2024 15:32	0.3	0.4	0.3
029	8/28/2024 15:47	0.3	0.4	0.3
Peak		0.3	0.4	0.3
Min		0	0	0
Average		0.1	0.1	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	8/28/2024 8:47	0	0
002	8/28/2024 9:02	0	0
003	8/28/2024 9:17	0	0
004	8/28/2024 9:32	0	0
005	8/28/2024 9:47	0	0
006	8/28/2024 10:02	0	0
007	8/28/2024 10:17	0	0
008	8/28/2024 10:32	0	0
009	8/28/2024 10:47	0	0
010	8/28/2024 11:02	0	0
011	8/28/2024 11:17	0	0
012	8/28/2024 11:32	0	0
013	8/28/2024 11:47	0	0
014	8/28/2024 12:02	0	0
015	8/28/2024 12:17	0	0
016	8/28/2024 12:32	0	0
017	8/28/2024 12:47	0	0.1
018	8/28/2024 13:02	0	0.2
019	8/28/2024 13:17	0	0.3
020	8/28/2024 13:32	0	0.4
021	8/28/2024 13:47	0	0.4
022	8/28/2024 14:02	0	0.5
023	8/28/2024 14:17	0	0.6
024	8/28/2024 14:32	0.1	0.6
025	8/28/2024 14:47	0.1	0.6
026	8/28/2024 15:02	0.1	0.6
027	8/28/2024 15:17	0.1	0.6
028	8/28/2024 15:32	0.1	0.6
029	8/28/2024 15:47	0.1	0.6

==========

24/08/28 16:23

****

Summary

Unit Name	MiniRAE 3000(PGM-7320) - Upwind
Unit SN	592-918988
Unit Firmw	V2.22

Running Mo	Hygiene Mode
Datalog Mo	Auto
Diagnostic	No
Stop Reasc	Battery Low

Site ID	12345678
User ID	12345678

Begin	8/28/2024 16:23
End	8/28/2024 16:34
Sample Pe	900
Number of	0

Sensor	PID(ppm)
Sensor SN	S023030089A2
Measure Ty	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurem	Isobutylene
Calibration	8/28/2024 8:08

****

Datalog

0 record.

```
============================================================
24/10/12 08:00
************************************************************
Summary
------------------------------------------------------------
Unit Name       MiniRAE 3000(PGM-7320)
Unit SN 592-904349
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   10/12/2024 08:00:52
End     10/12/2024 15:40:36
Sample Period(s)        60
Number of Records       459
------------------------------------------------------------
Sensor  PID(ppm)
Sensor SN       S023030247C5
Measure Type    Min; Avg; Max; Real
Span    100.0
Span 2  1000.0
Low Alarm       50.0
High Alarm      100.0
Over Alarm      15000.0
STEL Alarm      25.0
TWA Alarm       10.0
Measurement Gas Isobutylene
Calibration Time        10/12/2024 07:44
Peak    0.0
Min     0.0
Average 0.0

************************************************************
Datalog
                PID(ppm)        PID(ppm)        PID(ppm)        PID(ppm)
Index   Date/Time       (Min)   (Avg)   (Max)   (Real)
001     10/12/2024 08:01:52     0.0     0.0     0.0     0.0
002     10/12/2024 08:02:52     0.0     0.0     0.0     0.0
003     10/12/2024 08:03:52     0.0     0.0     0.0     0.0
004     10/12/2024 08:04:52     0.0     0.0     0.0     0.0
005     10/12/2024 08:05:52     0.0     0.0     0.0     0.0
006     10/12/2024 08:06:52     0.0     0.0     0.0     0.0
007     10/12/2024 08:07:52     0.0     0.0     0.0     0.0
008     10/12/2024 08:08:52     0.0     0.0     0.0     0.0
```

009	10/12/2024	08:09:52	0.0	0.0	0.0	0.0
010	10/12/2024	08:10:52	0.0	0.0	0.0	0.0
011	10/12/2024	08:11:52	0.0	0.0	0.0	0.0
012	10/12/2024	08:12:52	0.0	0.0	0.0	0.0
013	10/12/2024	08:13:52	0.0	0.0	0.0	0.0
014	10/12/2024	08:14:52	0.0	0.0	0.0	0.0
015	10/12/2024	08:15:52	0.0	0.0	0.0	0.0
016	10/12/2024	08:16:52	0.0	0.0	0.0	0.0
017	10/12/2024	08:17:52	0.0	0.0	0.0	0.0
018	10/12/2024	08:18:52	0.0	0.0	0.0	0.0
019	10/12/2024	08:19:52	0.0	0.0	0.0	0.0
020	10/12/2024	08:20:52	0.0	0.0	0.0	0.0
021	10/12/2024	08:21:52	0.0	0.0	0.0	0.0
022	10/12/2024	08:22:52	0.0	0.0	0.0	0.0
023	10/12/2024	08:23:52	0.0	0.0	0.0	0.0
024	10/12/2024	08:24:52	0.0	0.0	0.0	0.0
025	10/12/2024	08:25:52	0.0	0.0	0.0	0.0
026	10/12/2024	08:26:52	0.0	0.0	0.0	0.0
027	10/12/2024	08:27:52	0.0	0.0	0.0	0.0
028	10/12/2024	08:28:52	0.0	0.0	0.0	0.0
029	10/12/2024	08:29:52	0.0	0.0	0.0	0.0
030	10/12/2024	08:30:52	0.0	0.0	0.0	0.0
031	10/12/2024	08:31:52	0.0	0.0	0.0	0.0
032	10/12/2024	08:32:52	0.0	0.0	0.0	0.0
033	10/12/2024	08:33:52	0.0	0.0	0.0	0.0
034	10/12/2024	08:34:52	0.0	0.0	0.0	0.0
035	10/12/2024	08:35:52	0.0	0.0	0.0	0.0
036	10/12/2024	08:36:52	0.0	0.0	0.0	0.0
037	10/12/2024	08:37:52	0.0	0.0	0.0	0.0
038	10/12/2024	08:38:52	0.0	0.0	0.0	0.0
039	10/12/2024	08:39:52	0.0	0.0	0.0	0.0
040	10/12/2024	08:40:52	0.0	0.0	0.0	0.0
041	10/12/2024	08:41:52	0.0	0.0	0.0	0.0
042	10/12/2024	08:42:52	0.0	0.0	0.0	0.0
043	10/12/2024	08:43:52	0.0	0.0	0.0	0.0
044	10/12/2024	08:44:52	0.0	0.0	0.0	0.0
045	10/12/2024	08:45:52	0.0	0.0	0.0	0.0
046	10/12/2024	08:46:52	0.0	0.0	0.0	0.0
047	10/12/2024	08:47:52	0.0	0.0	0.0	0.0
048	10/12/2024	08:48:52	0.0	0.0	0.0	0.0
049	10/12/2024	08:49:52	0.0	0.0	0.0	0.0
050	10/12/2024	08:50:52	0.0	0.0	0.0	0.0
051	10/12/2024	08:51:52	0.0	0.0	0.0	0.0
052	10/12/2024	08:52:52	0.0	0.0	0.0	0.0
053	10/12/2024	08:53:52	0.0	0.0	0.0	0.0
054	10/12/2024	08:54:52	0.0	0.0	0.0	0.0
055	10/12/2024	08:55:52	0.0	0.0	0.0	0.0
056	10/12/2024	08:56:52	0.0	0.0	0.0	0.0
057	10/12/2024	08:57:52	0.0	0.0	0.0	0.0
058	10/12/2024	08:58:52	0.0	0.0	0.0	0.0

059	10/12/2024	08:59:52	0.0	0.0	0.0	0.0
060	10/12/2024	09:00:52	0.0	0.0	0.0	0.0
061	10/12/2024	09:01:52	0.0	0.0	0.0	0.0
062	10/12/2024	09:02:52	0.0	0.0	0.0	0.0
063	10/12/2024	09:03:52	0.0	0.0	0.0	0.0
064	10/12/2024	09:04:52	0.0	0.0	0.0	0.0
065	10/12/2024	09:05:52	0.0	0.0	0.0	0.0
066	10/12/2024	09:06:52	0.0	0.0	0.0	0.0
067	10/12/2024	09:07:52	0.0	0.0	0.0	0.0
068	10/12/2024	09:08:52	0.0	0.0	0.0	0.0
069	10/12/2024	09:09:52	0.0	0.0	0.0	0.0
070	10/12/2024	09:10:52	0.0	0.0	0.0	0.0
071	10/12/2024	09:11:52	0.0	0.0	0.0	0.0
072	10/12/2024	09:12:52	0.0	0.0	0.0	0.0
073	10/12/2024	09:13:52	0.0	0.0	0.0	0.0
074	10/12/2024	09:14:52	0.0	0.0	0.0	0.0
075	10/12/2024	09:15:52	0.0	0.0	0.0	0.0
076	10/12/2024	09:16:52	0.0	0.0	0.0	0.0
077	10/12/2024	09:17:52	0.0	0.0	0.0	0.0
078	10/12/2024	09:18:52	0.0	0.0	0.0	0.0
079	10/12/2024	09:19:52	0.0	0.0	0.0	0.0
080	10/12/2024	09:20:52	0.0	0.0	0.0	0.0
081	10/12/2024	09:21:52	0.0	0.0	0.0	0.0
082	10/12/2024	09:22:52	0.0	0.0	0.0	0.0
083	10/12/2024	09:23:52	0.0	0.0	0.0	0.0
084	10/12/2024	09:24:52	0.0	0.0	0.0	0.0
085	10/12/2024	09:25:52	0.0	0.0	0.0	0.0
086	10/12/2024	09:26:52	0.0	0.0	0.0	0.0
087	10/12/2024	09:27:52	0.0	0.0	0.0	0.0
088	10/12/2024	09:28:52	0.0	0.0	0.0	0.0
089	10/12/2024	09:29:52	0.0	0.0	0.0	0.0
090	10/12/2024	09:30:52	0.0	0.0	0.0	0.0
091	10/12/2024	09:31:52	0.0	0.0	0.0	0.0
092	10/12/2024	09:32:52	0.0	0.0	0.0	0.0
093	10/12/2024	09:33:52	0.0	0.0	0.0	0.0
094	10/12/2024	09:34:52	0.0	0.0	0.0	0.0
095	10/12/2024	09:35:52	0.0	0.0	0.0	0.0
096	10/12/2024	09:36:52	0.0	0.0	0.0	0.0
097	10/12/2024	09:37:52	0.0	0.0	0.0	0.0
098	10/12/2024	09:38:52	0.0	0.0	0.0	0.0
099	10/12/2024	09:39:52	0.0	0.0	0.0	0.0
100	10/12/2024	09:40:52	0.0	0.0	0.0	0.0
101	10/12/2024	09:41:52	0.0	0.0	0.0	0.0
102	10/12/2024	09:42:52	0.0	0.0	0.0	0.0
103	10/12/2024	09:43:52	0.0	0.0	0.0	0.0
104	10/12/2024	09:44:52	0.0	0.0	0.0	0.0
105	10/12/2024	09:45:52	0.0	0.0	0.0	0.0
106	10/12/2024	09:46:52	0.0	0.0	0.0	0.0
107	10/12/2024	09:47:52	0.0	0.0	0.0	0.0
108	10/12/2024	09:48:52	0.0	0.0	0.0	0.0

109	10/12/2024 09:49:52	0.0	0.0	0.0	0.0
110	10/12/2024 09:50:52	0.0	0.0	0.0	0.0
111	10/12/2024 09:51:52	0.0	0.0	0.0	0.0
112	10/12/2024 09:52:52	0.0	0.0	0.0	0.0
113	10/12/2024 09:53:52	0.0	0.0	0.0	0.0
114	10/12/2024 09:54:52	0.0	0.0	0.0	0.0
115	10/12/2024 09:55:52	0.0	0.0	0.0	0.0
116	10/12/2024 09:56:52	0.0	0.0	0.0	0.0
117	10/12/2024 09:57:52	0.0	0.0	0.0	0.0
118	10/12/2024 09:58:52	0.0	0.0	0.0	0.0
119	10/12/2024 09:59:52	0.0	0.0	0.0	0.0
120	10/12/2024 10:00:52	0.0	0.0	0.0	0.0
121	10/12/2024 10:01:52	0.0	0.0	0.0	0.0
122	10/12/2024 10:02:52	0.0	0.0	0.0	0.0
123	10/12/2024 10:03:52	0.0	0.0	0.0	0.0
124	10/12/2024 10:04:52	0.0	0.0	0.0	0.0
125	10/12/2024 10:05:52	0.0	0.0	0.0	0.0
126	10/12/2024 10:06:52	0.0	0.0	0.0	0.0
127	10/12/2024 10:07:52	0.0	0.0	0.0	0.0
128	10/12/2024 10:08:52	0.0	0.0	0.0	0.0
129	10/12/2024 10:09:52	0.0	0.0	0.0	0.0
130	10/12/2024 10:10:52	0.0	0.0	0.0	0.0
131	10/12/2024 10:11:52	0.0	0.0	0.0	0.0
132	10/12/2024 10:12:52	0.0	0.0	0.0	0.0
133	10/12/2024 10:13:52	0.0	0.0	0.0	0.0
134	10/12/2024 10:14:52	0.0	0.0	0.0	0.0
135	10/12/2024 10:15:52	0.0	0.0	0.0	0.0
136	10/12/2024 10:16:52	0.0	0.0	0.0	0.0
137	10/12/2024 10:17:52	0.0	0.0	0.0	0.0
138	10/12/2024 10:18:52	0.0	0.0	0.0	0.0
139	10/12/2024 10:19:52	0.0	0.0	0.0	0.0
140	10/12/2024 10:20:52	0.0	0.0	0.0	0.0
141	10/12/2024 10:21:52	0.0	0.0	0.0	0.0
142	10/12/2024 10:22:52	0.0	0.0	0.0	0.0
143	10/12/2024 10:23:52	0.0	0.0	0.0	0.0
144	10/12/2024 10:24:52	0.0	0.0	0.0	0.0
145	10/12/2024 10:25:52	0.0	0.0	0.0	0.0
146	10/12/2024 10:26:52	0.0	0.0	0.0	0.0
147	10/12/2024 10:27:52	0.0	0.0	0.0	0.0
148	10/12/2024 10:28:52	0.0	0.0	0.0	0.0
149	10/12/2024 10:29:52	0.0	0.0	0.0	0.0
150	10/12/2024 10:30:52	0.0	0.0	0.0	0.0
151	10/12/2024 10:31:52	0.0	0.0	0.0	0.0
152	10/12/2024 10:32:52	0.0	0.0	0.0	0.0
153	10/12/2024 10:33:52	0.0	0.0	0.0	0.0
154	10/12/2024 10:34:52	0.0	0.0	0.0	0.0
155	10/12/2024 10:35:52	0.0	0.0	0.0	0.0
156	10/12/2024 10:36:52	0.0	0.0	0.0	0.0
157	10/12/2024 10:37:52	0.0	0.0	0.0	0.0
158	10/12/2024 10:38:52	0.0	0.0	0.0	0.0

159	10/12/2024 10:39:52	0.0	0.0	0.0	0.0
160	10/12/2024 10:40:52	0.0	0.0	0.0	0.0
161	10/12/2024 10:41:52	0.0	0.0	0.0	0.0
162	10/12/2024 10:42:52	0.0	0.0	0.0	0.0
163	10/12/2024 10:43:52	0.0	0.0	0.0	0.0
164	10/12/2024 10:44:52	0.0	0.0	0.0	0.0
165	10/12/2024 10:45:52	0.0	0.0	0.0	0.0
166	10/12/2024 10:46:52	0.0	0.0	0.0	0.0
167	10/12/2024 10:47:52	0.0	0.0	0.0	0.0
168	10/12/2024 10:48:52	0.0	0.0	0.0	0.0
169	10/12/2024 10:49:52	0.0	0.0	0.0	0.0
170	10/12/2024 10:50:52	0.0	0.0	0.0	0.0
171	10/12/2024 10:51:52	0.0	0.0	0.0	0.0
172	10/12/2024 10:52:52	0.0	0.0	0.0	0.0
173	10/12/2024 10:53:52	0.0	0.0	0.0	0.0
174	10/12/2024 10:54:52	0.0	0.0	0.0	0.0
175	10/12/2024 10:55:52	0.0	0.0	0.0	0.0
176	10/12/2024 10:56:52	0.0	0.0	0.0	0.0
177	10/12/2024 10:57:52	0.0	0.0	0.0	0.0
178	10/12/2024 10:58:52	0.0	0.0	0.0	0.0
179	10/12/2024 10:59:52	0.0	0.0	0.0	0.0
180	10/12/2024 11:00:52	0.0	0.0	0.0	0.0
181	10/12/2024 11:01:52	0.0	0.0	0.0	0.0
182	10/12/2024 11:02:52	0.0	0.0	0.0	0.0
183	10/12/2024 11:03:52	0.0	0.0	0.0	0.0
184	10/12/2024 11:04:52	0.0	0.0	0.0	0.0
185	10/12/2024 11:05:52	0.0	0.0	0.0	0.0
186	10/12/2024 11:06:52	0.0	0.0	0.0	0.0
187	10/12/2024 11:07:52	0.0	0.0	0.0	0.0
188	10/12/2024 11:08:52	0.0	0.0	0.0	0.0
189	10/12/2024 11:09:52	0.0	0.0	0.0	0.0
190	10/12/2024 11:10:52	0.0	0.0	0.0	0.0
191	10/12/2024 11:11:52	0.0	0.0	0.0	0.0
192	10/12/2024 11:12:52	0.0	0.0	0.0	0.0
193	10/12/2024 11:13:52	0.0	0.0	0.0	0.0
194	10/12/2024 11:14:52	0.0	0.0	0.0	0.0
195	10/12/2024 11:15:52	0.0	0.0	0.0	0.0
196	10/12/2024 11:16:52	0.0	0.0	0.0	0.0
197	10/12/2024 11:17:52	0.0	0.0	0.0	0.0
198	10/12/2024 11:18:52	0.0	0.0	0.0	0.0
199	10/12/2024 11:19:52	0.0	0.0	0.0	0.0
200	10/12/2024 11:20:52	0.0	0.0	0.0	0.0
201	10/12/2024 11:21:52	0.0	0.0	0.0	0.0
202	10/12/2024 11:22:52	0.0	0.0	0.0	0.0
203	10/12/2024 11:23:52	0.0	0.0	0.0	0.0
204	10/12/2024 11:24:52	0.0	0.0	0.0	0.0
205	10/12/2024 11:25:52	0.0	0.0	0.0	0.0
206	10/12/2024 11:26:52	0.0	0.0	0.0	0.0
207	10/12/2024 11:27:52	0.0	0.0	0.0	0.0
208	10/12/2024 11:28:52	0.0	0.0	0.0	0.0

209	10/12/2024 11:29:52	0.0	0.0	0.0	0.0
210	10/12/2024 11:30:52	0.0	0.0	0.0	0.0
211	10/12/2024 11:31:52	0.0	0.0	0.0	0.0
212	10/12/2024 11:32:52	0.0	0.0	0.0	0.0
213	10/12/2024 11:33:52	0.0	0.0	0.0	0.0
214	10/12/2024 11:34:52	0.0	0.0	0.0	0.0
215	10/12/2024 11:35:52	0.0	0.0	0.0	0.0
216	10/12/2024 11:36:52	0.0	0.0	0.0	0.0
217	10/12/2024 11:37:52	0.0	0.0	0.0	0.0
218	10/12/2024 11:38:52	0.0	0.0	0.0	0.0
219	10/12/2024 11:39:52	0.0	0.0	0.0	0.0
220	10/12/2024 11:40:52	0.0	0.0	0.0	0.0
221	10/12/2024 11:41:52	0.0	0.0	0.0	0.0
222	10/12/2024 11:42:52	0.0	0.0	0.0	0.0
223	10/12/2024 11:43:52	0.0	0.0	0.0	0.0
224	10/12/2024 11:44:52	0.0	0.0	0.0	0.0
225	10/12/2024 11:45:52	0.0	0.0	0.0	0.0
226	10/12/2024 11:46:52	0.0	0.0	0.0	0.0
227	10/12/2024 11:47:52	0.0	0.0	0.0	0.0
228	10/12/2024 11:48:52	0.0	0.0	0.0	0.0
229	10/12/2024 11:49:52	0.0	0.0	0.0	0.0
230	10/12/2024 11:50:52	0.0	0.0	0.0	0.0
231	10/12/2024 11:51:52	0.0	0.0	0.0	0.0
232	10/12/2024 11:52:52	0.0	0.0	0.0	0.0
233	10/12/2024 11:53:52	0.0	0.0	0.0	0.0
234	10/12/2024 11:54:52	0.0	0.0	0.0	0.0
235	10/12/2024 11:55:52	0.0	0.0	0.0	0.0
236	10/12/2024 11:56:52	0.0	0.0	0.0	0.0
237	10/12/2024 11:57:52	0.0	0.0	0.0	0.0
238	10/12/2024 11:58:52	0.0	0.0	0.0	0.0
239	10/12/2024 11:59:52	0.0	0.0	0.0	0.0
240	10/12/2024 12:00:52	0.0	0.0	0.0	0.0
241	10/12/2024 12:01:52	0.0	0.0	0.0	0.0
242	10/12/2024 12:02:52	0.0	0.0	0.0	0.0
243	10/12/2024 12:03:52	0.0	0.0	0.0	0.0
244	10/12/2024 12:04:52	0.0	0.0	0.0	0.0
245	10/12/2024 12:05:52	0.0	0.0	0.0	0.0
246	10/12/2024 12:06:52	0.0	0.0	0.0	0.0
247	10/12/2024 12:07:52	0.0	0.0	0.0	0.0
248	10/12/2024 12:08:52	0.0	0.0	0.0	0.0
249	10/12/2024 12:09:52	0.0	0.0	0.0	0.0
250	10/12/2024 12:10:52	0.0	0.0	0.0	0.0
251	10/12/2024 12:11:52	0.0	0.0	0.0	0.0
252	10/12/2024 12:12:52	0.0	0.0	0.0	0.0
253	10/12/2024 12:13:52	0.0	0.0	0.0	0.0
254	10/12/2024 12:14:52	0.0	0.0	0.0	0.0
255	10/12/2024 12:15:52	0.0	0.0	0.0	0.0
256	10/12/2024 12:16:52	0.0	0.0	0.0	0.0
257	10/12/2024 12:17:52	0.0	0.0	0.0	0.0
258	10/12/2024 12:18:52	0.0	0.0	0.0	0.0

259	10/12/2024 12:19:52	0.0	0.0	0.0	0.0
260	10/12/2024 12:20:52	0.0	0.0	0.0	0.0
261	10/12/2024 12:21:52	0.0	0.0	0.0	0.0
262	10/12/2024 12:22:52	0.0	0.0	0.0	0.0
263	10/12/2024 12:23:52	0.0	0.0	0.0	0.0
264	10/12/2024 12:24:52	0.0	0.0	0.0	0.0
265	10/12/2024 12:25:52	0.0	0.0	0.0	0.0
266	10/12/2024 12:26:52	0.0	0.0	0.0	0.0
267	10/12/2024 12:27:52	0.0	0.0	0.0	0.0
268	10/12/2024 12:28:52	0.0	0.0	0.0	0.0
269	10/12/2024 12:29:52	0.0	0.0	0.0	0.0
270	10/12/2024 12:30:52	0.0	0.0	0.0	0.0
271	10/12/2024 12:31:52	0.0	0.0	0.0	0.0
272	10/12/2024 12:32:52	0.0	0.0	0.0	0.0
273	10/12/2024 12:33:52	0.0	0.0	0.0	0.0
274	10/12/2024 12:34:52	0.0	0.0	0.0	0.0
275	10/12/2024 12:35:52	0.0	0.0	0.0	0.0
276	10/12/2024 12:36:52	0.0	0.0	0.0	0.0
277	10/12/2024 12:37:52	0.0	0.0	0.0	0.0
278	10/12/2024 12:38:52	0.0	0.0	0.0	0.0
279	10/12/2024 12:39:52	0.0	0.0	0.0	0.0
280	10/12/2024 12:40:52	0.0	0.0	0.0	0.0
281	10/12/2024 12:41:52	0.0	0.0	0.0	0.0
282	10/12/2024 12:42:52	0.0	0.0	0.0	0.0
283	10/12/2024 12:43:52	0.0	0.0	0.0	0.0
284	10/12/2024 12:44:52	0.0	0.0	0.0	0.0
285	10/12/2024 12:45:52	0.0	0.0	0.0	0.0
286	10/12/2024 12:46:52	0.0	0.0	0.0	0.0
287	10/12/2024 12:47:52	0.0	0.0	0.0	0.0
288	10/12/2024 12:48:52	0.0	0.0	0.0	0.0
289	10/12/2024 12:49:52	0.0	0.0	0.0	0.0
290	10/12/2024 12:50:52	0.0	0.0	0.0	0.0
291	10/12/2024 12:51:52	0.0	0.0	0.0	0.0
292	10/12/2024 12:52:52	0.0	0.0	0.0	0.0
293	10/12/2024 12:53:52	0.0	0.0	0.0	0.0
294	10/12/2024 12:54:52	0.0	0.0	0.0	0.0
295	10/12/2024 12:55:52	0.0	0.0	0.0	0.0
296	10/12/2024 12:56:52	0.0	0.0	0.0	0.0
297	10/12/2024 12:57:52	0.0	0.0	0.0	0.0
298	10/12/2024 12:58:52	0.0	0.0	0.0	0.0
299	10/12/2024 12:59:52	0.0	0.0	0.0	0.0
300	10/12/2024 13:00:52	0.0	0.0	0.0	0.0
301	10/12/2024 13:01:52	0.0	0.0	0.0	0.0
302	10/12/2024 13:02:52	0.0	0.0	0.0	0.0
303	10/12/2024 13:03:52	0.0	0.0	0.0	0.0
304	10/12/2024 13:04:52	0.0	0.0	0.0	0.0
305	10/12/2024 13:05:52	0.0	0.0	0.0	0.0
306	10/12/2024 13:06:52	0.0	0.0	0.0	0.0
307	10/12/2024 13:07:52	0.0	0.0	0.0	0.0
308	10/12/2024 13:08:52	0.0	0.0	0.0	0.0

309	10/12/2024 13:09:52	0.0	0.0	0.0	0.0
310	10/12/2024 13:10:52	0.0	0.0	0.0	0.0
311	10/12/2024 13:11:52	0.0	0.0	0.0	0.0
312	10/12/2024 13:12:52	0.0	0.0	0.0	0.0
313	10/12/2024 13:13:52	0.0	0.0	0.0	0.0
314	10/12/2024 13:14:52	0.0	0.0	0.0	0.0
315	10/12/2024 13:15:52	0.0	0.0	0.0	0.0
316	10/12/2024 13:16:52	0.0	0.0	0.0	0.0
317	10/12/2024 13:17:52	0.0	0.0	0.0	0.0
318	10/12/2024 13:18:52	0.0	0.0	0.0	0.0
319	10/12/2024 13:19:52	0.0	0.0	0.0	0.0
320	10/12/2024 13:20:52	0.0	0.0	0.0	0.0
321	10/12/2024 13:21:52	0.0	0.0	0.0	0.0
322	10/12/2024 13:22:52	0.0	0.0	0.0	0.0
323	10/12/2024 13:23:52	0.0	0.0	0.0	0.0
324	10/12/2024 13:24:52	0.0	0.0	0.0	0.0
325	10/12/2024 13:25:52	0.0	0.0	0.0	0.0
326	10/12/2024 13:26:52	0.0	0.0	0.0	0.0
327	10/12/2024 13:27:52	0.0	0.0	0.0	0.0
328	10/12/2024 13:28:52	0.0	0.0	0.0	0.0
329	10/12/2024 13:29:52	0.0	0.0	0.0	0.0
330	10/12/2024 13:30:52	0.0	0.0	0.0	0.0
331	10/12/2024 13:31:52	0.0	0.0	0.0	0.0
332	10/12/2024 13:32:52	0.0	0.0	0.0	0.0
333	10/12/2024 13:33:52	0.0	0.0	0.0	0.0
334	10/12/2024 13:34:52	0.0	0.0	0.0	0.0
335	10/12/2024 13:35:52	0.0	0.0	0.0	0.0
336	10/12/2024 13:36:52	0.0	0.0	0.0	0.0
337	10/12/2024 13:37:52	0.0	0.0	0.0	0.0
338	10/12/2024 13:38:52	0.0	0.0	0.0	0.0
339	10/12/2024 13:39:52	0.0	0.0	0.0	0.0
340	10/12/2024 13:40:52	0.0	0.0	0.0	0.0
341	10/12/2024 13:41:52	0.0	0.0	0.0	0.0
342	10/12/2024 13:42:52	0.0	0.0	0.0	0.0
343	10/12/2024 13:43:52	0.0	0.0	0.0	0.0
344	10/12/2024 13:44:52	0.0	0.0	0.0	0.0
345	10/12/2024 13:45:52	0.0	0.0	0.0	0.0
346	10/12/2024 13:46:52	0.0	0.0	0.0	0.0
347	10/12/2024 13:47:52	0.0	0.0	0.0	0.0
348	10/12/2024 13:48:52	0.0	0.0	0.0	0.0
349	10/12/2024 13:49:52	0.0	0.0	0.0	0.0
350	10/12/2024 13:50:52	0.0	0.0	0.0	0.0
351	10/12/2024 13:51:52	0.0	0.0	0.0	0.0
352	10/12/2024 13:52:52	0.0	0.0	0.0	0.0
353	10/12/2024 13:53:52	0.0	0.0	0.0	0.0
354	10/12/2024 13:54:52	0.0	0.0	0.0	0.0
355	10/12/2024 13:55:52	0.0	0.0	0.0	0.0
356	10/12/2024 13:56:52	0.0	0.0	0.0	0.0
357	10/12/2024 13:57:52	0.0	0.0	0.0	0.0
358	10/12/2024 13:58:52	0.0	0.0	0.0	0.0

359	10/12/2024 13:59:52	0.0	0.0	0.0	0.0
360	10/12/2024 14:00:52	0.0	0.0	0.0	0.0
361	10/12/2024 14:01:52	0.0	0.0	0.0	0.0
362	10/12/2024 14:02:52	0.0	0.0	0.0	0.0
363	10/12/2024 14:03:52	0.0	0.0	0.0	0.0
364	10/12/2024 14:04:52	0.0	0.0	0.0	0.0
365	10/12/2024 14:05:52	0.0	0.0	0.0	0.0
366	10/12/2024 14:06:52	0.0	0.0	0.0	0.0
367	10/12/2024 14:07:52	0.0	0.0	0.0	0.0
368	10/12/2024 14:08:52	0.0	0.0	0.0	0.0
369	10/12/2024 14:09:52	0.0	0.0	0.0	0.0
370	10/12/2024 14:10:52	0.0	0.0	0.0	0.0
371	10/12/2024 14:11:52	0.0	0.0	0.0	0.0
372	10/12/2024 14:12:52	0.0	0.0	0.0	0.0
373	10/12/2024 14:13:52	0.0	0.0	0.0	0.0
374	10/12/2024 14:14:52	0.0	0.0	0.0	0.0
375	10/12/2024 14:15:52	0.0	0.0	0.0	0.0
376	10/12/2024 14:16:52	0.0	0.0	0.0	0.0
377	10/12/2024 14:17:52	0.0	0.0	0.0	0.0
378	10/12/2024 14:18:52	0.0	0.0	0.0	0.0
379	10/12/2024 14:19:52	0.0	0.0	0.0	0.0
380	10/12/2024 14:20:52	0.0	0.0	0.0	0.0
381	10/12/2024 14:21:52	0.0	0.0	0.0	0.0
382	10/12/2024 14:22:52	0.0	0.0	0.0	0.0
383	10/12/2024 14:23:52	0.0	0.0	0.0	0.0
384	10/12/2024 14:24:52	0.0	0.0	0.0	0.0
385	10/12/2024 14:25:52	0.0	0.0	0.0	0.0
386	10/12/2024 14:26:52	0.0	0.0	0.0	0.0
387	10/12/2024 14:27:52	0.0	0.0	0.0	0.0
388	10/12/2024 14:28:52	0.0	0.0	0.0	0.0
389	10/12/2024 14:29:52	0.0	0.0	0.0	0.0
390	10/12/2024 14:30:52	0.0	0.0	0.0	0.0
391	10/12/2024 14:31:52	0.0	0.0	0.0	0.0
392	10/12/2024 14:32:52	0.0	0.0	0.0	0.0
393	10/12/2024 14:33:52	0.0	0.0	0.0	0.0
394	10/12/2024 14:34:52	0.0	0.0	0.0	0.0
395	10/12/2024 14:35:52	0.0	0.0	0.0	0.0
396	10/12/2024 14:36:52	0.0	0.0	0.0	0.0
397	10/12/2024 14:37:52	0.0	0.0	0.0	0.0
398	10/12/2024 14:38:52	0.0	0.0	0.0	0.0
399	10/12/2024 14:39:52	0.0	0.0	0.0	0.0
400	10/12/2024 14:40:52	0.0	0.0	0.0	0.0
401	10/12/2024 14:41:52	0.0	0.0	0.0	0.0
402	10/12/2024 14:42:52	0.0	0.0	0.0	0.0
403	10/12/2024 14:43:52	0.0	0.0	0.0	0.0
404	10/12/2024 14:44:52	0.0	0.0	0.0	0.0
405	10/12/2024 14:45:52	0.0	0.0	0.0	0.0
406	10/12/2024 14:46:52	0.0	0.0	0.0	0.0
407	10/12/2024 14:47:52	0.0	0.0	0.0	0.0
408	10/12/2024 14:48:52	0.0	0.0	0.0	0.0

409	10/12/2024 14:49:52	0.0	0.0	0.0	0.0
410	10/12/2024 14:50:52	0.0	0.0	0.0	0.0
411	10/12/2024 14:51:52	0.0	0.0	0.0	0.0
412	10/12/2024 14:52:52	0.0	0.0	0.0	0.0
413	10/12/2024 14:53:52	0.0	0.0	0.0	0.0
414	10/12/2024 14:54:52	0.0	0.0	0.0	0.0
415	10/12/2024 14:55:52	0.0	0.0	0.0	0.0
416	10/12/2024 14:56:52	0.0	0.0	0.0	0.0
417	10/12/2024 14:57:52	0.0	0.0	0.0	0.0
418	10/12/2024 14:58:52	0.0	0.0	0.0	0.0
419	10/12/2024 14:59:52	0.0	0.0	0.0	0.0
420	10/12/2024 15:00:52	0.0	0.0	0.0	0.0
421	10/12/2024 15:01:52	0.0	0.0	0.0	0.0
422	10/12/2024 15:02:52	0.0	0.0	0.0	0.0
423	10/12/2024 15:03:52	0.0	0.0	0.0	0.0
424	10/12/2024 15:04:52	0.0	0.0	0.0	0.0
425	10/12/2024 15:05:52	0.0	0.0	0.0	0.0
426	10/12/2024 15:06:52	0.0	0.0	0.0	0.0
427	10/12/2024 15:07:52	0.0	0.0	0.0	0.0
428	10/12/2024 15:08:52	0.0	0.0	0.0	0.0
429	10/12/2024 15:09:52	0.0	0.0	0.0	0.0
430	10/12/2024 15:10:52	0.0	0.0	0.0	0.0
431	10/12/2024 15:11:52	0.0	0.0	0.0	0.0
432	10/12/2024 15:12:52	0.0	0.0	0.0	0.0
433	10/12/2024 15:13:52	0.0	0.0	0.0	0.0
434	10/12/2024 15:14:52	0.0	0.0	0.0	0.0
435	10/12/2024 15:15:52	0.0	0.0	0.0	0.0
436	10/12/2024 15:16:52	0.0	0.0	0.0	0.0
437	10/12/2024 15:17:52	0.0	0.0	0.0	0.0
438	10/12/2024 15:18:52	0.0	0.0	0.0	0.0
439	10/12/2024 15:19:52	0.0	0.0	0.0	0.0
440	10/12/2024 15:20:52	0.0	0.0	0.0	0.0
441	10/12/2024 15:21:52	0.0	0.0	0.0	0.0
442	10/12/2024 15:22:52	0.0	0.0	0.0	0.0
443	10/12/2024 15:23:52	0.0	0.0	0.0	0.0
444	10/12/2024 15:24:52	0.0	0.0	0.0	0.0
445	10/12/2024 15:25:52	0.0	0.0	0.0	0.0
446	10/12/2024 15:26:52	0.0	0.0	0.0	0.0
447	10/12/2024 15:27:52	0.0	0.0	0.0	0.0
448	10/12/2024 15:28:52	0.0	0.0	0.0	0.0
449	10/12/2024 15:29:52	0.0	0.0	0.0	0.0
450	10/12/2024 15:30:52	0.0	0.0	0.0	0.0
451	10/12/2024 15:31:52	0.0	0.0	0.0	0.0
452	10/12/2024 15:32:52	0.0	0.0	0.0	0.0
453	10/12/2024 15:33:52	0.0	0.0	0.0	0.0
454	10/12/2024 15:34:52	0.0	0.0	0.0	0.0
455	10/12/2024 15:35:52	0.0	0.0	0.0	0.0
456	10/12/2024 15:36:52	0.0	0.0	0.0	0.0
457	10/12/2024 15:37:52	0.0	0.0	0.0	0.0
458	10/12/2024 15:38:52	0.0	0.0	0.0	0.0

459	10/12/2024 15:39:52	0.0	0.0	0.0	0.0
Peak		0.0	0.0	0.0	0.0
Min		0.0	0.0	0.0	0.0
Average		0.0	0.0	0.0	0.0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	10/12/2024 08:01:52	0.0	---
002	10/12/2024 08:02:52	0.0	---
003	10/12/2024 08:03:52	0.0	---
004	10/12/2024 08:04:52	0.0	---
005	10/12/2024 08:05:52	0.0	---
006	10/12/2024 08:06:52	0.0	---
007	10/12/2024 08:07:52	0.0	---
008	10/12/2024 08:08:52	0.0	---
009	10/12/2024 08:09:52	0.0	---
010	10/12/2024 08:10:52	0.0	---
011	10/12/2024 08:11:52	0.0	---
012	10/12/2024 08:12:52	0.0	---
013	10/12/2024 08:13:52	0.0	---
014	10/12/2024 08:14:52	0.0	---
015	10/12/2024 08:15:52	0.0	0.0
016	10/12/2024 08:16:52	0.0	0.0
017	10/12/2024 08:17:52	0.0	0.0
018	10/12/2024 08:18:52	0.0	0.0
019	10/12/2024 08:19:52	0.0	0.0
020	10/12/2024 08:20:52	0.0	0.0
021	10/12/2024 08:21:52	0.0	0.0
022	10/12/2024 08:22:52	0.0	0.0
023	10/12/2024 08:23:52	0.0	0.0
024	10/12/2024 08:24:52	0.0	0.0
025	10/12/2024 08:25:52	0.0	0.0
026	10/12/2024 08:26:52	0.0	0.0
027	10/12/2024 08:27:52	0.0	0.0
028	10/12/2024 08:28:52	0.0	0.0
029	10/12/2024 08:29:52	0.0	0.0
030	10/12/2024 08:30:52	0.0	0.0
031	10/12/2024 08:31:52	0.0	0.0
032	10/12/2024 08:32:52	0.0	0.0
033	10/12/2024 08:33:52	0.0	0.0
034	10/12/2024 08:34:52	0.0	0.0
035	10/12/2024 08:35:52	0.0	0.0
036	10/12/2024 08:36:52	0.0	0.0
037	10/12/2024 08:37:52	0.0	0.0
038	10/12/2024 08:38:52	0.0	0.0
039	10/12/2024 08:39:52	0.0	0.0
040	10/12/2024 08:40:52	0.0	0.0
041	10/12/2024 08:41:52	0.0	0.0

042	10/12/2024 08:42:52	0.0	0.0
043	10/12/2024 08:43:52	0.0	0.0
044	10/12/2024 08:44:52	0.0	0.0
045	10/12/2024 08:45:52	0.0	0.0
046	10/12/2024 08:46:52	0.0	0.0
047	10/12/2024 08:47:52	0.0	0.0
048	10/12/2024 08:48:52	0.0	0.0
049	10/12/2024 08:49:52	0.0	0.0
050	10/12/2024 08:50:52	0.0	0.0
051	10/12/2024 08:51:52	0.0	0.0
052	10/12/2024 08:52:52	0.0	0.0
053	10/12/2024 08:53:52	0.0	0.0
054	10/12/2024 08:54:52	0.0	0.0
055	10/12/2024 08:55:52	0.0	0.0
056	10/12/2024 08:56:52	0.0	0.0
057	10/12/2024 08:57:52	0.0	0.0
058	10/12/2024 08:58:52	0.0	0.0
059	10/12/2024 08:59:52	0.0	0.0
060	10/12/2024 09:00:52	0.0	0.0
061	10/12/2024 09:01:52	0.0	0.0
062	10/12/2024 09:02:52	0.0	0.0
063	10/12/2024 09:03:52	0.0	0.0
064	10/12/2024 09:04:52	0.0	0.0
065	10/12/2024 09:05:52	0.0	0.0
066	10/12/2024 09:06:52	0.0	0.0
067	10/12/2024 09:07:52	0.0	0.0
068	10/12/2024 09:08:52	0.0	0.0
069	10/12/2024 09:09:52	0.0	0.0
070	10/12/2024 09:10:52	0.0	0.0
071	10/12/2024 09:11:52	0.0	0.0
072	10/12/2024 09:12:52	0.0	0.0
073	10/12/2024 09:13:52	0.0	0.0
074	10/12/2024 09:14:52	0.0	0.0
075	10/12/2024 09:15:52	0.0	0.0
076	10/12/2024 09:16:52	0.0	0.0
077	10/12/2024 09:17:52	0.0	0.0
078	10/12/2024 09:18:52	0.0	0.0
079	10/12/2024 09:19:52	0.0	0.0
080	10/12/2024 09:20:52	0.0	0.0
081	10/12/2024 09:21:52	0.0	0.0
082	10/12/2024 09:22:52	0.0	0.0
083	10/12/2024 09:23:52	0.0	0.0
084	10/12/2024 09:24:52	0.0	0.0
085	10/12/2024 09:25:52	0.0	0.0
086	10/12/2024 09:26:52	0.0	0.0
087	10/12/2024 09:27:52	0.0	0.0
088	10/12/2024 09:28:52	0.0	0.0
089	10/12/2024 09:29:52	0.0	0.0
090	10/12/2024 09:30:52	0.0	0.0
091	10/12/2024 09:31:52	0.0	0.0

092	10/12/2024 09:32:52	0.0	0.0
093	10/12/2024 09:33:52	0.0	0.0
094	10/12/2024 09:34:52	0.0	0.0
095	10/12/2024 09:35:52	0.0	0.0
096	10/12/2024 09:36:52	0.0	0.0
097	10/12/2024 09:37:52	0.0	0.0
098	10/12/2024 09:38:52	0.0	0.0
099	10/12/2024 09:39:52	0.0	0.0
100	10/12/2024 09:40:52	0.0	0.0
101	10/12/2024 09:41:52	0.0	0.0
102	10/12/2024 09:42:52	0.0	0.0
103	10/12/2024 09:43:52	0.0	0.0
104	10/12/2024 09:44:52	0.0	0.0
105	10/12/2024 09:45:52	0.0	0.0
106	10/12/2024 09:46:52	0.0	0.0
107	10/12/2024 09:47:52	0.0	0.0
108	10/12/2024 09:48:52	0.0	0.0
109	10/12/2024 09:49:52	0.0	0.0
110	10/12/2024 09:50:52	0.0	0.0
111	10/12/2024 09:51:52	0.0	0.0
112	10/12/2024 09:52:52	0.0	0.0
113	10/12/2024 09:53:52	0.0	0.0
114	10/12/2024 09:54:52	0.0	0.0
115	10/12/2024 09:55:52	0.0	0.0
116	10/12/2024 09:56:52	0.0	0.0
117	10/12/2024 09:57:52	0.0	0.0
118	10/12/2024 09:58:52	0.0	0.0
119	10/12/2024 09:59:52	0.0	0.0
120	10/12/2024 10:00:52	0.0	0.0
121	10/12/2024 10:01:52	0.0	0.0
122	10/12/2024 10:02:52	0.0	0.0
123	10/12/2024 10:03:52	0.0	0.0
124	10/12/2024 10:04:52	0.0	0.0
125	10/12/2024 10:05:52	0.0	0.0
126	10/12/2024 10:06:52	0.0	0.0
127	10/12/2024 10:07:52	0.0	0.0
128	10/12/2024 10:08:52	0.0	0.0
129	10/12/2024 10:09:52	0.0	0.0
130	10/12/2024 10:10:52	0.0	0.0
131	10/12/2024 10:11:52	0.0	0.0
132	10/12/2024 10:12:52	0.0	0.0
133	10/12/2024 10:13:52	0.0	0.0
134	10/12/2024 10:14:52	0.0	0.0
135	10/12/2024 10:15:52	0.0	0.0
136	10/12/2024 10:16:52	0.0	0.0
137	10/12/2024 10:17:52	0.0	0.0
138	10/12/2024 10:18:52	0.0	0.0
139	10/12/2024 10:19:52	0.0	0.0
140	10/12/2024 10:20:52	0.0	0.0
141	10/12/2024 10:21:52	0.0	0.0

142	10/12/2024 10:22:52	0.0	0.0
143	10/12/2024 10:23:52	0.0	0.0
144	10/12/2024 10:24:52	0.0	0.0
145	10/12/2024 10:25:52	0.0	0.0
146	10/12/2024 10:26:52	0.0	0.0
147	10/12/2024 10:27:52	0.0	0.0
148	10/12/2024 10:28:52	0.0	0.0
149	10/12/2024 10:29:52	0.0	0.0
150	10/12/2024 10:30:52	0.0	0.0
151	10/12/2024 10:31:52	0.0	0.0
152	10/12/2024 10:32:52	0.0	0.0
153	10/12/2024 10:33:52	0.0	0.0
154	10/12/2024 10:34:52	0.0	0.0
155	10/12/2024 10:35:52	0.0	0.0
156	10/12/2024 10:36:52	0.0	0.0
157	10/12/2024 10:37:52	0.0	0.0
158	10/12/2024 10:38:52	0.0	0.0
159	10/12/2024 10:39:52	0.0	0.0
160	10/12/2024 10:40:52	0.0	0.0
161	10/12/2024 10:41:52	0.0	0.0
162	10/12/2024 10:42:52	0.0	0.0
163	10/12/2024 10:43:52	0.0	0.0
164	10/12/2024 10:44:52	0.0	0.0
165	10/12/2024 10:45:52	0.0	0.0
166	10/12/2024 10:46:52	0.0	0.0
167	10/12/2024 10:47:52	0.0	0.0
168	10/12/2024 10:48:52	0.0	0.0
169	10/12/2024 10:49:52	0.0	0.0
170	10/12/2024 10:50:52	0.0	0.0
171	10/12/2024 10:51:52	0.0	0.0
172	10/12/2024 10:52:52	0.0	0.0
173	10/12/2024 10:53:52	0.0	0.0
174	10/12/2024 10:54:52	0.0	0.0
175	10/12/2024 10:55:52	0.0	0.0
176	10/12/2024 10:56:52	0.0	0.0
177	10/12/2024 10:57:52	0.0	0.0
178	10/12/2024 10:58:52	0.0	0.0
179	10/12/2024 10:59:52	0.0	0.0
180	10/12/2024 11:00:52	0.0	0.0
181	10/12/2024 11:01:52	0.0	0.0
182	10/12/2024 11:02:52	0.0	0.0
183	10/12/2024 11:03:52	0.0	0.0
184	10/12/2024 11:04:52	0.0	0.0
185	10/12/2024 11:05:52	0.0	0.0
186	10/12/2024 11:06:52	0.0	0.0
187	10/12/2024 11:07:52	0.0	0.0
188	10/12/2024 11:08:52	0.0	0.0
189	10/12/2024 11:09:52	0.0	0.0
190	10/12/2024 11:10:52	0.0	0.0
191	10/12/2024 11:11:52	0.0	0.0

192	10/12/2024 11:12:52	0.0	0.0
193	10/12/2024 11:13:52	0.0	0.0
194	10/12/2024 11:14:52	0.0	0.0
195	10/12/2024 11:15:52	0.0	0.0
196	10/12/2024 11:16:52	0.0	0.0
197	10/12/2024 11:17:52	0.0	0.0
198	10/12/2024 11:18:52	0.0	0.0
199	10/12/2024 11:19:52	0.0	0.0
200	10/12/2024 11:20:52	0.0	0.0
201	10/12/2024 11:21:52	0.0	0.0
202	10/12/2024 11:22:52	0.0	0.0
203	10/12/2024 11:23:52	0.0	0.0
204	10/12/2024 11:24:52	0.0	0.0
205	10/12/2024 11:25:52	0.0	0.0
206	10/12/2024 11:26:52	0.0	0.0
207	10/12/2024 11:27:52	0.0	0.0
208	10/12/2024 11:28:52	0.0	0.0
209	10/12/2024 11:29:52	0.0	0.0
210	10/12/2024 11:30:52	0.0	0.0
211	10/12/2024 11:31:52	0.0	0.0
212	10/12/2024 11:32:52	0.0	0.0
213	10/12/2024 11:33:52	0.0	0.0
214	10/12/2024 11:34:52	0.0	0.0
215	10/12/2024 11:35:52	0.0	0.0
216	10/12/2024 11:36:52	0.0	0.0
217	10/12/2024 11:37:52	0.0	0.0
218	10/12/2024 11:38:52	0.0	0.0
219	10/12/2024 11:39:52	0.0	0.0
220	10/12/2024 11:40:52	0.0	0.0
221	10/12/2024 11:41:52	0.0	0.0
222	10/12/2024 11:42:52	0.0	0.0
223	10/12/2024 11:43:52	0.0	0.0
224	10/12/2024 11:44:52	0.0	0.0
225	10/12/2024 11:45:52	0.0	0.0
226	10/12/2024 11:46:52	0.0	0.0
227	10/12/2024 11:47:52	0.0	0.0
228	10/12/2024 11:48:52	0.0	0.0
229	10/12/2024 11:49:52	0.0	0.0
230	10/12/2024 11:50:52	0.0	0.0
231	10/12/2024 11:51:52	0.0	0.0
232	10/12/2024 11:52:52	0.0	0.0
233	10/12/2024 11:53:52	0.0	0.0
234	10/12/2024 11:54:52	0.0	0.0
235	10/12/2024 11:55:52	0.0	0.0
236	10/12/2024 11:56:52	0.0	0.0
237	10/12/2024 11:57:52	0.0	0.0
238	10/12/2024 11:58:52	0.0	0.0
239	10/12/2024 11:59:52	0.0	0.0
240	10/12/2024 12:00:52	0.0	0.0
241	10/12/2024 12:01:52	0.0	0.0

242	10/12/2024 12:02:52	0.0	0.0
243	10/12/2024 12:03:52	0.0	0.0
244	10/12/2024 12:04:52	0.0	0.0
245	10/12/2024 12:05:52	0.0	0.0
246	10/12/2024 12:06:52	0.0	0.0
247	10/12/2024 12:07:52	0.0	0.0
248	10/12/2024 12:08:52	0.0	0.0
249	10/12/2024 12:09:52	0.0	0.0
250	10/12/2024 12:10:52	0.0	0.0
251	10/12/2024 12:11:52	0.0	0.0
252	10/12/2024 12:12:52	0.0	0.0
253	10/12/2024 12:13:52	0.0	0.0
254	10/12/2024 12:14:52	0.0	0.0
255	10/12/2024 12:15:52	0.0	0.0
256	10/12/2024 12:16:52	0.0	0.0
257	10/12/2024 12:17:52	0.0	0.0
258	10/12/2024 12:18:52	0.0	0.0
259	10/12/2024 12:19:52	0.0	0.0
260	10/12/2024 12:20:52	0.0	0.0
261	10/12/2024 12:21:52	0.0	0.0
262	10/12/2024 12:22:52	0.0	0.0
263	10/12/2024 12:23:52	0.0	0.0
264	10/12/2024 12:24:52	0.0	0.0
265	10/12/2024 12:25:52	0.0	0.0
266	10/12/2024 12:26:52	0.0	0.0
267	10/12/2024 12:27:52	0.0	0.0
268	10/12/2024 12:28:52	0.0	0.0
269	10/12/2024 12:29:52	0.0	0.0
270	10/12/2024 12:30:52	0.0	0.0
271	10/12/2024 12:31:52	0.0	0.0
272	10/12/2024 12:32:52	0.0	0.0
273	10/12/2024 12:33:52	0.0	0.0
274	10/12/2024 12:34:52	0.0	0.0
275	10/12/2024 12:35:52	0.0	0.0
276	10/12/2024 12:36:52	0.0	0.0
277	10/12/2024 12:37:52	0.0	0.0
278	10/12/2024 12:38:52	0.0	0.0
279	10/12/2024 12:39:52	0.0	0.0
280	10/12/2024 12:40:52	0.0	0.0
281	10/12/2024 12:41:52	0.0	0.0
282	10/12/2024 12:42:52	0.0	0.0
283	10/12/2024 12:43:52	0.0	0.0
284	10/12/2024 12:44:52	0.0	0.0
285	10/12/2024 12:45:52	0.0	0.0
286	10/12/2024 12:46:52	0.0	0.0
287	10/12/2024 12:47:52	0.0	0.0
288	10/12/2024 12:48:52	0.0	0.0
289	10/12/2024 12:49:52	0.0	0.0
290	10/12/2024 12:50:52	0.0	0.0
291	10/12/2024 12:51:52	0.0	0.0

292	10/12/2024 12:52:52	0.0	0.0
293	10/12/2024 12:53:52	0.0	0.0
294	10/12/2024 12:54:52	0.0	0.0
295	10/12/2024 12:55:52	0.0	0.0
296	10/12/2024 12:56:52	0.0	0.0
297	10/12/2024 12:57:52	0.0	0.0
298	10/12/2024 12:58:52	0.0	0.0
299	10/12/2024 12:59:52	0.0	0.0
300	10/12/2024 13:00:52	0.0	0.0
301	10/12/2024 13:01:52	0.0	0.0
302	10/12/2024 13:02:52	0.0	0.0
303	10/12/2024 13:03:52	0.0	0.0
304	10/12/2024 13:04:52	0.0	0.0
305	10/12/2024 13:05:52	0.0	0.0
306	10/12/2024 13:06:52	0.0	0.0
307	10/12/2024 13:07:52	0.0	0.0
308	10/12/2024 13:08:52	0.0	0.0
309	10/12/2024 13:09:52	0.0	0.0
310	10/12/2024 13:10:52	0.0	0.0
311	10/12/2024 13:11:52	0.0	0.0
312	10/12/2024 13:12:52	0.0	0.0
313	10/12/2024 13:13:52	0.0	0.0
314	10/12/2024 13:14:52	0.0	0.0
315	10/12/2024 13:15:52	0.0	0.0
316	10/12/2024 13:16:52	0.0	0.0
317	10/12/2024 13:17:52	0.0	0.0
318	10/12/2024 13:18:52	0.0	0.0
319	10/12/2024 13:19:52	0.0	0.0
320	10/12/2024 13:20:52	0.0	0.0
321	10/12/2024 13:21:52	0.0	0.0
322	10/12/2024 13:22:52	0.0	0.0
323	10/12/2024 13:23:52	0.0	0.0
324	10/12/2024 13:24:52	0.0	0.0
325	10/12/2024 13:25:52	0.0	0.0
326	10/12/2024 13:26:52	0.0	0.0
327	10/12/2024 13:27:52	0.0	0.0
328	10/12/2024 13:28:52	0.0	0.0
329	10/12/2024 13:29:52	0.0	0.0
330	10/12/2024 13:30:52	0.0	0.0
331	10/12/2024 13:31:52	0.0	0.0
332	10/12/2024 13:32:52	0.0	0.0
333	10/12/2024 13:33:52	0.0	0.0
334	10/12/2024 13:34:52	0.0	0.0
335	10/12/2024 13:35:52	0.0	0.0
336	10/12/2024 13:36:52	0.0	0.0
337	10/12/2024 13:37:52	0.0	0.0
338	10/12/2024 13:38:52	0.0	0.0
339	10/12/2024 13:39:52	0.0	0.0
340	10/12/2024 13:40:52	0.0	0.0
341	10/12/2024 13:41:52	0.0	0.0

342	10/12/2024 13:42:52	0.0	0.0
343	10/12/2024 13:43:52	0.0	0.0
344	10/12/2024 13:44:52	0.0	0.0
345	10/12/2024 13:45:52	0.0	0.0
346	10/12/2024 13:46:52	0.0	0.0
347	10/12/2024 13:47:52	0.0	0.0
348	10/12/2024 13:48:52	0.0	0.0
349	10/12/2024 13:49:52	0.0	0.0
350	10/12/2024 13:50:52	0.0	0.0
351	10/12/2024 13:51:52	0.0	0.0
352	10/12/2024 13:52:52	0.0	0.0
353	10/12/2024 13:53:52	0.0	0.0
354	10/12/2024 13:54:52	0.0	0.0
355	10/12/2024 13:55:52	0.0	0.0
356	10/12/2024 13:56:52	0.0	0.0
357	10/12/2024 13:57:52	0.0	0.0
358	10/12/2024 13:58:52	0.0	0.0
359	10/12/2024 13:59:52	0.0	0.0
360	10/12/2024 14:00:52	0.0	0.0
361	10/12/2024 14:01:52	0.0	0.0
362	10/12/2024 14:02:52	0.0	0.0
363	10/12/2024 14:03:52	0.0	0.0
364	10/12/2024 14:04:52	0.0	0.0
365	10/12/2024 14:05:52	0.0	0.0
366	10/12/2024 14:06:52	0.0	0.0
367	10/12/2024 14:07:52	0.0	0.0
368	10/12/2024 14:08:52	0.0	0.0
369	10/12/2024 14:09:52	0.0	0.0
370	10/12/2024 14:10:52	0.0	0.0
371	10/12/2024 14:11:52	0.0	0.0
372	10/12/2024 14:12:52	0.0	0.0
373	10/12/2024 14:13:52	0.0	0.0
374	10/12/2024 14:14:52	0.0	0.0
375	10/12/2024 14:15:52	0.0	0.0
376	10/12/2024 14:16:52	0.0	0.0
377	10/12/2024 14:17:52	0.0	0.0
378	10/12/2024 14:18:52	0.0	0.0
379	10/12/2024 14:19:52	0.0	0.0
380	10/12/2024 14:20:52	0.0	0.0
381	10/12/2024 14:21:52	0.0	0.0
382	10/12/2024 14:22:52	0.0	0.0
383	10/12/2024 14:23:52	0.0	0.0
384	10/12/2024 14:24:52	0.0	0.0
385	10/12/2024 14:25:52	0.0	0.0
386	10/12/2024 14:26:52	0.0	0.0
387	10/12/2024 14:27:52	0.0	0.0
388	10/12/2024 14:28:52	0.0	0.0
389	10/12/2024 14:29:52	0.0	0.0
390	10/12/2024 14:30:52	0.0	0.0
391	10/12/2024 14:31:52	0.0	0.0

392	10/12/2024 14:32:52	0.0	0.0
393	10/12/2024 14:33:52	0.0	0.0
394	10/12/2024 14:34:52	0.0	0.0
395	10/12/2024 14:35:52	0.0	0.0
396	10/12/2024 14:36:52	0.0	0.0
397	10/12/2024 14:37:52	0.0	0.0
398	10/12/2024 14:38:52	0.0	0.0
399	10/12/2024 14:39:52	0.0	0.0
400	10/12/2024 14:40:52	0.0	0.0
401	10/12/2024 14:41:52	0.0	0.0
402	10/12/2024 14:42:52	0.0	0.0
403	10/12/2024 14:43:52	0.0	0.0
404	10/12/2024 14:44:52	0.0	0.0
405	10/12/2024 14:45:52	0.0	0.0
406	10/12/2024 14:46:52	0.0	0.0
407	10/12/2024 14:47:52	0.0	0.0
408	10/12/2024 14:48:52	0.0	0.0
409	10/12/2024 14:49:52	0.0	0.0
410	10/12/2024 14:50:52	0.0	0.0
411	10/12/2024 14:51:52	0.0	0.0
412	10/12/2024 14:52:52	0.0	0.0
413	10/12/2024 14:53:52	0.0	0.0
414	10/12/2024 14:54:52	0.0	0.0
415	10/12/2024 14:55:52	0.0	0.0
416	10/12/2024 14:56:52	0.0	0.0
417	10/12/2024 14:57:52	0.0	0.0
418	10/12/2024 14:58:52	0.0	0.0
419	10/12/2024 14:59:52	0.0	0.0
420	10/12/2024 15:00:52	0.0	0.0
421	10/12/2024 15:01:52	0.0	0.0
422	10/12/2024 15:02:52	0.0	0.0
423	10/12/2024 15:03:52	0.0	0.0
424	10/12/2024 15:04:52	0.0	0.0
425	10/12/2024 15:05:52	0.0	0.0
426	10/12/2024 15:06:52	0.0	0.0
427	10/12/2024 15:07:52	0.0	0.0
428	10/12/2024 15:08:52	0.0	0.0
429	10/12/2024 15:09:52	0.0	0.0
430	10/12/2024 15:10:52	0.0	0.0
431	10/12/2024 15:11:52	0.0	0.0
432	10/12/2024 15:12:52	0.0	0.0
433	10/12/2024 15:13:52	0.0	0.0
434	10/12/2024 15:14:52	0.0	0.0
435	10/12/2024 15:15:52	0.0	0.0
436	10/12/2024 15:16:52	0.0	0.0
437	10/12/2024 15:17:52	0.0	0.0
438	10/12/2024 15:18:52	0.0	0.0
439	10/12/2024 15:19:52	0.0	0.0
440	10/12/2024 15:20:52	0.0	0.0
441	10/12/2024 15:21:52	0.0	0.0

442	10/12/2024 15:22:52	0.0	0.0
443	10/12/2024 15:23:52	0.0	0.0
444	10/12/2024 15:24:52	0.0	0.0
445	10/12/2024 15:25:52	0.0	0.0
446	10/12/2024 15:26:52	0.0	0.0
447	10/12/2024 15:27:52	0.0	0.0
448	10/12/2024 15:28:52	0.0	0.0
449	10/12/2024 15:29:52	0.0	0.0
450	10/12/2024 15:30:52	0.0	0.0
451	10/12/2024 15:31:52	0.0	0.0
452	10/12/2024 15:32:52	0.0	0.0
453	10/12/2024 15:33:52	0.0	0.0
454	10/12/2024 15:34:52	0.0	0.0
455	10/12/2024 15:35:52	0.0	0.0
456	10/12/2024 15:36:52	0.0	0.0
457	10/12/2024 15:37:52	0.0	0.0
458	10/12/2024 15:38:52	0.0	0.0
459	10/12/2024 15:39:52	0.0	0.0

Statistics	Channel:	AEROSOL
	Units:	mg/m^3
	Average:	0.043
	Minimum:	0.039
	Time of Minimum:	11:40:48
	Date of Minimum:	8/26/2024
	Maximum:	0.048
	Time of Maximum:	13:40:48
	Date of Maximum:	8/26/2024

Calibration	Sensor:	AEROSOL
	Cal. date	7/18/2024

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/26/2024	11:40:48	0.039
8/26/2024	11:55:48	0.04
8/26/2024	12:10:48	0.042
8/26/2024	12:25:48	0.044
8/26/2024	12:40:48	0.044
8/26/2024	12:55:48	0.045
8/26/2024	13:10:48	0.046
8/26/2024	13:25:48	0.047
8/26/2024	13:40:48	0.048
8/26/2024	13:55:48	0.046
8/26/2024	14:10:48	0.044
8/26/2024	14:25:48	0.044
8/26/2024	14:40:48	0.044
8/26/2024	14:55:48	0.043
8/26/2024	15:10:48	0.042
8/26/2024	15:25:48	0.041
8/26/2024	15:40:48	0.04
8/26/2024	15:55:48	0.039
8/26/2024	16:10:48	0.04
8/26/2024	16:25:48	0.043
8/26/2024	16:40:48	0.044

Model:	DustTrak II - Upwind
Model Number:	8530
Serial Number:	8530153303
Test ID:	7
Test Abbreviation:	MANUAL_007
Start Date:	8/27/2024
Start Time:	7:27:48
Duration (dd:hh:mm:ss):	0:03:30:00
Log Interval (mm:ss):	15:00
Number of points:	14
Notes:	

Statistics	Channel:	AEROSOL
	Units:	mg/m^3
	Average:	0.037
	Minimum:	0.034
	Time of Minimum:	9:27:48
	Date of Minimum:	8/27/2024
	Maximum:	0.04
	Time of Maximum:	8:12:48
	Date of Maximum:	8/27/2024

Calibration	Sensor:	AEROSOL
	Cal. date	7/18/2024

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/27/2024	7:42:48	0.038
8/27/2024	7:57:48	0.039
8/27/2024	8:12:48	0.04
8/27/2024	8:27:48	0.039
8/27/2024	8:42:48	0.039
8/27/2024	8:57:48	0.035
8/27/2024	9:12:48	0.035
8/27/2024	9:27:48	0.034
8/27/2024	9:42:48	0.035
8/27/2024	9:57:48	0.037
8/27/2024	10:12:48	0.038
8/27/2024	10:27:48	0.038
8/27/2024	10:42:48	0.038
8/27/2024	10:57:48	0.037

Model:	DustTrak II - Upwind
Model Number:	8530
Serial Number:	8530153303
Test ID:	8
Test Abbreviation:	MANUAL_008
Start Date:	8/27/2024
Start Time:	12:05:46
Duration (dd:hh:mm:ss):	0:05:00:00
Log Interval (mm:ss):	15:00
Number of points:	20
Notes:	

Statistics	Channel:	AEROSOL
	Units:	mg/m^3
	Average:	0.039
	Minimum:	0.033
	Time of Minimum:	12:35:46
	Date of Minimum:	8/27/2024
	Maximum:	0.042
	Time of Maximum:	16:05:46
	Date of Maximum:	8/27/2024

Calibration	Sensor:	AEROSOL
	Cal. date	7/18/2024

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/27/2024	12:20:46	0.034
8/27/2024	12:35:46	0.033
8/27/2024	12:50:46	0.034
8/27/2024	13:05:46	0.035
8/27/2024	13:20:46	0.036
8/27/2024	13:35:46	0.037
8/27/2024	13:50:46	0.038
8/27/2024	14:05:46	0.038
8/27/2024	14:20:46	0.039
8/27/2024	14:35:46	0.039
8/27/2024	14:50:46	0.039
8/27/2024	15:05:46	0.039
8/27/2024	15:20:46	0.04
8/27/2024	15:35:46	0.041
8/27/2024	15:50:46	0.041
8/27/2024	16:05:46	0.042
8/27/2024	16:20:46	0.042
8/27/2024	16:35:46	0.042
8/27/2024	16:50:46	0.042
8/27/2024	17:05:46	0.042

Model:	DustTrak II - Upwind
Model Number:	8530
Serial Number:	8530153303
Test ID:	9
Test Abbreviation:	MANUAL_009
Start Date:	8/28/2024
Start Time:	7:37:53
Duration (dd:hh:mm:ss):	0:09:15:00
Log Interval (mm:ss):	15:00
Number of points:	37
Notes:	

Statistics	Channel:	AEROSOL
	Units:	mg/m^3
	Average:	0.022
	Minimum:	0.016
	Time of Minimum:	9:52:53
	Date of Minimum:	8/28/2024
	Maximum:	0.048
	Time of Maximum:	7:52:53
	Date of Maximum:	8/28/2024

Calibration	Sensor:	AEROSOL
	Cal. date	7/18/2024

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/28/2024	7:52:53	0.048
8/28/2024	8:07:53	0.047
8/28/2024	8:22:53	0.032
8/28/2024	8:37:53	0.02
8/28/2024	8:52:53	0.019
8/28/2024	9:07:53	0.019
8/28/2024	9:22:53	0.019
8/28/2024	9:37:53	0.018
8/28/2024	9:52:53	0.016
8/28/2024	10:07:53	0.017
8/28/2024	10:22:53	0.018
8/28/2024	10:37:53	0.017
8/28/2024	10:52:53	0.017
8/28/2024	11:07:53	0.017
8/28/2024	11:22:53	0.017
8/28/2024	11:37:53	0.018
8/28/2024	11:52:53	0.018
8/28/2024	12:07:53	0.018
8/28/2024	12:22:53	0.019
8/28/2024	12:37:53	0.019
8/28/2024	12:52:53	0.019
8/28/2024	13:07:53	0.019
8/28/2024	13:22:53	0.019
8/28/2024	13:37:53	0.019
8/28/2024	13:52:53	0.019
8/28/2024	14:07:53	0.019
8/28/2024	14:22:53	0.019
8/28/2024	14:37:53	0.02
8/28/2024	14:52:53	0.021
8/28/2024	15:07:53	0.022
8/28/2024	15:22:53	0.022
8/28/2024	15:37:53	0.022
8/28/2024	15:52:53	0.022
8/28/2024	16:07:53	0.023
8/28/2024	16:22:53	0.025
8/28/2024	16:37:53	0.028
8/28/2024	16:52:53	0.025

Instrument Name	DustTrak II - Upwind
Model Number	8530
Serial Number	8530153109
Firmware Version	3.1
Calibration Date	7/9/2024
Test Name	MANUAL_001
Test Start Time	8:12:06 AM
Test Start Date	10/12/2024
Test Length [D:H:M]	0:07:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.013
Mass TWA [mg/m3]	0.004
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	29

Date MM/dd/yyyy	Elapsed Time [s]	Mass [mg/m3]
10/12/2024	900	0.013
10/12/2024	1800	0.01
10/12/2024	2700	0.008
10/12/2024	3600	0.007
10/12/2024	4500	0.007
10/12/2024	5400	0.006
10/12/2024	6300	0.007
10/12/2024	7200	0.006
10/12/2024	8100	0.006
10/12/2024	9000	0.005
10/12/2024	9900	0.004
10/12/2024	10800	0.004
10/12/2024	11700	0.003
10/12/2024	12600	0.002
10/12/2024	13500	0.002
10/12/2024	14400	0.001
10/12/2024	15300	0.001
10/12/2024	16200	0.002
10/12/2024	17100	0.002
10/12/2024	18000	0.002
10/12/2024	18900	0.002
10/12/2024	19800	0.001
10/12/2024	20700	0.001
10/12/2024	21600	0.002
10/12/2024	22500	0.002
10/12/2024	23400	0.003
10/12/2024	24300	0.002
10/12/2024	25200	0.002
10/12/2024	26100	0.003

APPENDIX D DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

WILLIAM E. SEVERN ELEMENTARY SCHOOL CORNING AREA WIDE STUDY

SITE NUMBER 851074

Prepared For:

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

Prepared By:

301 Plainfield Road, Suite 350
Syracuse, New York 13212

JANUARY 2025

TABLE OF CONTENTS

LIST OF ATTACHMENTS

SECTION 1 DATA USABILITY SUMMARY

Soil samples were collected from the Corning Area Wide Study site on August 27, 2024 through October 12, 2024. 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 April 2023.

The analytical laboratory for this project was Pace – New England (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 31-38 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 three 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 semivolatile organic compounds (SVOCs), 1,4-dioxane, per- and polyfluoroalkyl substances (PFAS), and metals. Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.3. 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 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 matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, and instrument calibrations. Certain reported results for these samples were qualified as unusable "R" based upon poor instrument calibrations. The reported SVOC analytical results were considered 98.6% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met overall.

1.3.2 PFAS Organic Analysis

The project samples were analyzed for PFAS using the draft USEPA 1633 analytical method. The reported results for these samples did not require qualification resulting from data validation. The reported PFAS analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.3 Metals Analysis

The project samples were analyzed for metals using the USEPA SW-846 6010D and 7471B analytical methods. Certain reported results for these samples were qualified as estimated based upon holding times, MS/MSD recoveries, LCS recoveries, and field duplicate precision; and qualified as not detected based upon blank contamination. The reported metals 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) 24H3733, 24H4442, and 24J2123. 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 April 2023. The validated laboratory data are presented in Attachment A. 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 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 MS/MSD precision and accuracy, LCS recoveries, 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 require qualification for designated spiked project samples with the exception of the low MS/MSD accuracy results for aniline, 4-chloroaniline, 3,3'-dichlorobenzidine, 2,4-dinitrophenol, hexachlorocyclopentadiene, and pyridine during the spiked analyses of sample with lab ID 24H4442-01. 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 pyridine (24.7%R, 27.1%R; QC limit 30-140%R) associated with sample with lab ID 24H4442-01; and caprolactam (24.2%R, 28.2%R; QC limit 40-140%R), hexachlorobutadiene (33.6%R; QC limit 40-140%R), hexachloroethane (32.7%R, 36.8%R; QC limit 40-140%R), and pyridine (7.1%R; QC limit 10-140%R) associated with the QC equipment blank collected on 8/28/24. Therefore, results for these compounds 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, maximum relative standard deviations (%RSDs) of 20%, and maximum percent differences (%Ds) within ±30% with the exception of 2,3,4,6-tetrachlorophenol (125%D), 4-chloroaniline (-30.4%D), and pyridine (-40.9%D) in the initial calibration verification associated with sample with lab ID 24H4442-01; and 2,3,4,6-tetrachlorophenol (122%D) and pyridine (-35.7%D) in the initial calibration verification associated with the QC equipment blank collected on 8/28/24. Therefore, results for these compounds with the exception of 2,3,4,6-tetrachlorophenol were considered estimated and qualified "UJ" for the affected samples. The nondetected results for 2,3,4,6-tetrachlorophenol were considered unusable and qualified "R" 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 ±20% with the exception of 2,3,4,6-tetrachlorophenol (121%D) and caprolactam (25.1%D) in the continuing calibration associated with sample with lab ID 24H4442-01; and 2,3,4,6-tetrachlorophenol (133%D), caprolactam (33.5%D), and bis(2-ethylhexyl)phthalate (21.2%D) in the continuing calibration associated with the QC equipment blank collected on 8/28/24. Therefore, results for these compounds with the exception of 2,3,4,6-tetrachlorophenol were considered estimated and qualified "UJ" for the affected samples. The nondetected results for 2,3,4,6-tetrachlorophenol were considered unusable and qualified "R" for the affected samples.

Usability

All semivolatile soil sample results were considered usable following data validation with the exception of the nondetected 2,3,4,6-tetrachlorophenol results based upon poor instrument calibrations.

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 98.6% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A.

2.1.2 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 blank contamination as discussed below.

Blank Contamination

The QC equipment blank associated with samples in SDG 24H4442 contained PFOA below the reporting limit at a concentration of 0.37 ng/L. Validation qualification was not required 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.

2.1.3 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 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 field duplicate precision as discussed below.

Holding Times

The mercury samples contained in SDG 24J2123 exceeded the 28-day analytical holding time by two days. Therefore, mercury results were considered estimated and qualified “J” for the affected samples.

Blank Contamination

The laboratory preparation blank associated with samples in SDG 24H3733 contained zinc at a concentration of 1.7 mg/kg; the laboratory preparation blank associated with sample with lab ID 24H4442-01 contained zinc at a concentration of 0.71 mg/kg; the laboratory preparation blank associated with the QC equipment blank collected on 8/28/24 contained iron and sodium below the reporting limit at concentrations of 0.037 and 0.83

mg/L, respectively; the QC equipment blank associated with samples in SDG 24H4442 contained aluminum, arsenic, calcium, iron, magnesium, manganese, sodium, and zinc at concentrations of 0.67, 0.0051, 0.29, 1.0, 0.18, 0.019, 0.66, and 0.014 mg/L, respectively; and the laboratory preparation blank associated with samples in SDG 24J2123 contained copper and zinc at concentrations of 1.3 and 1.2 mg/kg, 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 low MS/MSD recoveries for antimony (30.3%R) and boron (70.6%R) associated with sample with lab ID 24H3733-01. Therefore, results for these analytes were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" 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 barium (130%R), beryllium (118%R), and manganese (123%R) associated with samples in SDG 24H3733; and copper (118%R) and barium (128%R) associated with samples in SDG 24J2123. 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.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision for arsenic associated with sample with lab ID 24H3733-03 and its field duplicate sample with lab ID 24H3733-04. Therefore, results for this analyte were considered estimated and qualified "J" for the affected parent sample and field duplicate.

Usability

All metals 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 metals soil data presented by the laboratory were 100% complete (i.e., usable). The validated metals laboratory data are tabulated and presented in Attachment A.

ATTACHMENT A – VALIDATED LABORATORY DATA

			Location ID	AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-02		AWS-SE-SS-02	
			Sample ID	AWS-SE-SS-01-0.5-2		AWS-SE-SS-01-0-0.5		AWS-SE-SS-01-2-4		AWS-SE-SS-01-2-4-D		AWS-SE-SS-02-0.5-2		AWS-SE-SS-02-0-0.5	
			Matrix	SO		SO		SO		SO		SO		SO	
			Lab Sample ID	24H3733-02		24H3733-01		24H3733-03		24H3733-04		24H4442-02		24H4442-01	
			SDG	24H3733		24H3733		24H3733		24H3733		24H4442		24H4442	
			Sample Date	8/27/2024		8/27/2024		8/27/2024		8/27/2024		8/28/2024		8/28/2024	
			Sample Type Code	N		N		N		FD		N		N	
Analytical Method	Chemical Name	CAS_RN	Unit												
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg											0.4	U
8270E	1-Methylnaphthalene	90-12-0	mg/kg											0.2	U
8270E	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg												R
8270E	2,4,5-Trichlorophenol	95-95-4	mg/kg											0.4	U
8270E	2,4,6-Trichlorophenol	88-06-2	mg/kg											0.4	U
8270E	2,4-Dichlorophenol	120-83-2	mg/kg											0.4	U
8270E	2,4-Dimethylphenol	105-67-9	mg/kg											0.4	U
8270E	2,4-Dinitrophenol	51-28-5	mg/kg											0.78	UJ
8270E	2,4-Dinitrotoluene	121-14-2	mg/kg											0.4	U
8270E	2,6-Dinitrotoluene	606-20-2	mg/kg											0.4	U
8270E	2-Chloronaphthalene	91-58-7	mg/kg											0.4	U
8270E	2-Chlorophenol	95-57-8	mg/kg											0.4	U
8270E	2-Methylnaphthalene	91-57-6	mg/kg											0.2	U
8270E	2-Methylphenol (O-Cresol)	00095-48-7	mg/kg											0.4	U
8270E	2-Nitroaniline	88-74-4	mg/kg											0.4	U
8270E	2-Nitrophenol	88-75-5	mg/kg											0.4	U
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	mg/kg											0.4	U
8270E	3,3'-Dichlorobenzidine	91-94-1	mg/kg											0.2	UJ
8270E	3-Nitroaniline	99-09-2	mg/kg											0.4	U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	mg/kg											0.4	U
8270E	4-Bromophenyl Phenyl Ether	101-55-3	mg/kg											0.4	U
8270E	4-Chloro-3-Methylphenol	59-50-7	mg/kg											0.78	U
8270E	4-Chloroaniline	106-47-8	mg/kg											0.78	UJ
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	mg/kg											0.4	U
8270E	4-Nitroaniline	100-01-6	mg/kg											0.4	U
8270E	4-Nitrophenol	100-02-7	mg/kg											0.78	U
8270E	Acenaphthene	83-32-9	mg/kg											0.2	U
8270E	Acenaphthylene	208-96-8	mg/kg											0.2	U
8270E	Acetophenone	98-86-2	mg/kg											0.4	U
8270E	Aniline	62-53-3	mg/kg											0.4	UJ
8270E	Anthracene	120-12-7	mg/kg											0.2	U
8270E	Atrazine	1912-24-9	mg/kg											0.79	U
8270E	Benzaldehyde	100-52-7	mg/kg											0.4	U
8270E	Benzo(A)Anthracene	56-55-3	mg/kg											0.12	J
8270E	Benzo(A)Pyrene	50-32-8	mg/kg											0.13	J
8270E	Benzo(B)Fluoranthene	205-99-2	mg/kg											0.19	J
8270E	Benzo(G,H,I)Perylene	191-24-2	mg/kg											0.099	J
8270E	Benzo(K)Fluoranthene	207-08-9	mg/kg											0.08	J
8270E	Benzyl Butyl Phthalate	85-68-7	mg/kg											0.4	U
8270E	Biphenyl (Diphenyl)	92-52-4	mg/kg											0.79	U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	mg/kg											0.4	U
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	mg/kg											0.4	U
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	mg/kg											0.4	U
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	mg/kg											0.054	J
8270E	Caprolactam	105-60-2	mg/kg											0.4	UJ
8270E	Carbazole	86-74-8	mg/kg											0.2	U
8270E	Chrysene	218-01-9	mg/kg											0.16	J
8270E	Dibenz(A,H)Anthracene	53-70-3	mg/kg											0.2	U
8270E	Dibenzofuran	132-64-9	mg/kg											0.4	U

		Location ID	AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-02		AWS-SE-SS-02	
		Sample ID	AWS-SE-SS-01-0.5-2		AWS-SE-SS-01-0-0.5		AWS-SE-SS-01-2-4		AWS-SE-SS-01-2-4-D		AWS-SE-SS-02-0.5-2		AWS-SE-SS-02-0-0.5	
		Matrix	SO		SO		SO		SO		SO		SO	
		Lab Sample ID	24H3733-02		24H3733-01		24H3733-03		24H3733-04		24H4442-02		24H4442-01	
		SDG	24H3733		24H3733		24H3733		24H3733		24H4442		24H4442	
		Sample Date	8/27/2024		8/27/2024		8/27/2024		8/27/2024		8/28/2024		8/28/2024	
		Sample Type Code	N		N		N		FD		N		N	
Analytical Method	Chemical Name	CAS_RN	Unit											
8270E	Diethyl Phthalate	84-66-2	mg/kg										0.4	U
8270E	Dimethyl Phthalate	131-11-3	mg/kg										0.4	U
8270E	Di-N-Butyl Phthalate	84-74-2	mg/kg										0.4	U
8270E	Di-N-Octylphthalate	117-84-0	mg/kg										0.4	U
8270E	Fluoranthene	206-44-0	mg/kg										0.25	
8270E	Fluorene	86-73-7	mg/kg										0.2	U
8270E	Hexachlorobenzene	118-74-1	mg/kg										0.4	U
8270E	Hexachlorobutadiene	87-68-3	mg/kg										0.4	U
8270E	Hexachlorocyclopentadiene	77-47-4	mg/kg										0.4	UJ
8270E	Hexachloroethane	67-72-1	mg/kg										0.4	U
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	mg/kg										0.1	J
8270E	Isophorone	00078-59-1	mg/kg										0.4	U
8270E	Naphthalene	91-20-3	mg/kg										0.2	U
8270E	Nitrobenzene	98-95-3	mg/kg										0.4	U
8270E	N-Nitrosodi-N-Propylamine	621-64-7	mg/kg										0.4	U
8270E	N-Nitrosodiphenylamine	86-30-6	mg/kg										0.4	U
8270E	Pentachlorophenol	87-86-5	mg/kg										0.4	U
8270E	Phenanthrene	85-01-8	mg/kg										0.099	J
8270E	Phenol	108-95-2	mg/kg										0.4	U
8270E	Pyrene	129-00-0	mg/kg										0.24	
8270E	Pyridine	110-86-1	mg/kg										0.4	UJ
A2540G	Solids, Percent	SOLID	%	89		87.8		89.1		88.8		88.3	84.2	
E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	ug/kg										0.8	U
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	ug/kg										0.8	U
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	ug/kg										0.8	U
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	ug/kg										0.8	U
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	ug/kg										2	U
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	ug/kg										2	U
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	ug/kg										10	U
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	ug/kg										10	U
E1633	3-Perfluoropropyl propanoic acid	356-02-5	ug/kg										2	U
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ug/kg										0.8	U
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	ug/kg										0.8	U
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ug/kg										0.8	U
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	ug/kg										0.2	U
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	ug/kg										0.2	U
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	ug/kg										0.2	U
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ug/kg										0.2	U
E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	ug/kg										0.4	U
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	ug/kg										0.4	U
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	ug/kg										0.4	U
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	ug/kg										0.4	U
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	ug/kg										0.2	U
E1633	Perfluorobutanoic Acid	375-22-4	ug/kg										0.8	U
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	ug/kg										0.073	J
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	ug/kg										0.057	J
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	ug/kg										0.2	U
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	ug/kg										0.2	U
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ug/kg										0.2	U

				Location ID		AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-01		AWS-SE-SS-02		AWS-SE-SS-02	
				Sample ID		AWS-SE-SS-01-0.5-2		AWS-SE-SS-01-0-0.5		AWS-SE-SS-01-2-4		AWS-SE-SS-01-2-4-D		AWS-SE-SS-02-0.5-2		AWS-SE-SS-02-0-0.5	
				Matrix		SO		SO		SO		SO		SO		SO	
				Lab Sample ID		24H3733-02		24H3733-01		24H3733-03		24H3733-04		24H4442-02		24H4442-01	
				SDG		24H3733		24H3733		24H3733		24H3733		24H4442		24H4442	
				Sample Date		8/27/2024		8/27/2024		8/27/2024		8/27/2024		8/28/2024		8/28/2024	
				Sample Type Code		N		N		N		FD		N		N	
Analytical Method	Chemical Name	CAS_RN	Unit														
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	ug/kg													0.044	J
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ug/kg													0.2	U
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	ug/kg													0.049	J
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ug/kg													0.2	U
E1633	Perfluorononanoic acid (PFNA)	375-95-1	ug/kg													0.09	J
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	ug/kg													0.2	U
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ug/kg													0.47	
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	ug/kg													0.14	J
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ug/kg													0.2	U
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/kg													0.049	J
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	ug/kg													0.2	U
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	ug/kg													0.2	U
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/kg													0.053	J
SW6010D	Aluminum	7429-90-5	mg/kg	13000				12000		12000		12000		12000		8800	
SW6010D	Antimony	7440-36-0	mg/kg	1.8	UJ			1.9	UJ	1.9	UJ	1.8	UJ	1.8	U	1.9	U
SW6010D	Arsenic	7440-38-2	mg/kg	3.6	U			3.8	U	0.83	J	9.4	J	6.8		6.3	
SW6010D	Barium	7440-39-3	mg/kg	100				85		100		110	J+	110		84	
SW6010D	Beryllium	7440-41-7	mg/kg	0.44				0.4		0.45		0.53	J+	0.51		0.4	
SW6010D	Boron	7440-42-8	mg/kg	1.8	J			2.3	J	3.7	UJ	3.7	UJ	3.7	U	3.8	U
SW6010D	Cadmium	7440-43-9	mg/kg	0.18	J			0.23	J	0.37	U	0.37	U	0.37	U	0.38	U
SW6010D	Calcium	7440-70-2	mg/kg	4900				7500		2100		3400		2600		1600	
SW6010D	Chromium, Total	7440-47-3	mg/kg	13				11		12		14		13		10	
SW6010D	Cobalt	7440-48-4	mg/kg	8.7				7.4		8.7		9.5		8.6		6.8	
SW6010D	Copper	7440-50-8	mg/kg	19				20		18		21		17		13	
SW6010D	Iron	7439-89-6	mg/kg	29000				19000		30000		26000		26000		19000	
SW6010D	Lead	7439-92-1	mg/kg	13				17		11		11		11		17	
SW6010D	Magnesium	7439-95-4	mg/kg	3800				3800		3300		3800		3400		2300	
SW6010D	Manganese	7439-96-5	mg/kg	380				390		370		460	J+	420		440	
SW6010D	Nickel	7440-02-0	mg/kg	18				17		19		22		19		14	
SW6010D	Potassium	7440-09-7	mg/kg	900				920		780		960		740		650	
SW6010D	Selenium	7782-49-2	mg/kg	3.6	U			3.8	U	3.7	U	3.7	U	3.7	U	3.8	U
SW6010D	Silver	7440-22-4	mg/kg	0.36	U			0.38	U	0.37	U	0.37	U	0.37	U	0.38	U
SW6010D	Sodium	7440-23-5	mg/kg	170	J			78	J	340		380		140	J	160	J
SW6010D	Thallium	7440-28-0	mg/kg	1.8	U			1.9	U	1.9	U	1.8	U	1.8	U	1.9	U
SW6010D	Vanadium	7440-62-2	mg/kg	15				14		15		17		17		13	
SW6010D	Zinc	7440-66-6	mg/kg	50				52		51		63		53		42	
SW7471B	Mercury	7439-97-6	mg/kg	0.052				0.084		0.013	J	0.013	J	0.026	J	0.027	J
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	mg/kg													0.057	U

			Location ID	AWS-SE-SS-02		AWS-SE-SS-03		AWS-SE-SS-03		AWS-SE-SS-03	
			Sample ID	AWS-SE-SS-02-2-4		AWS-SE-SS-03-0.5-2		AWS-SE-SS-03-0-0.5		AWS-SE-SS-03-2-4	
			Matrix	SO		SO		SO		SO	
			Lab Sample ID	24H4442-03		24J2123-02		24J2123-01		24J2123-03	
			SDG	24H4442		24J2123		24J2123		24J2123	
			Sample Date	8/28/2024		10/12/2024		10/12/2024		10/12/2024	
			Sample Type Code	N		N		N		N	
Analytical Method	Chemical Name	CAS_RN	Unit								
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg								
8270E	1-Methylnaphthalene	90-12-0	mg/kg								
8270E	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg								
8270E	2,4,5-Trichlorophenol	95-95-4	mg/kg								
8270E	2,4,6-Trichlorophenol	88-06-2	mg/kg								
8270E	2,4-Dichlorophenol	120-83-2	mg/kg								
8270E	2,4-Dimethylphenol	105-67-9	mg/kg								
8270E	2,4-Dinitrophenol	51-28-5	mg/kg								
8270E	2,4-Dinitrotoluene	121-14-2	mg/kg								
8270E	2,6-Dinitrotoluene	606-20-2	mg/kg								
8270E	2-Chloronaphthalene	91-58-7	mg/kg								
8270E	2-Chlorophenol	95-57-8	mg/kg								
8270E	2-Methylnaphthalene	91-57-6	mg/kg								
8270E	2-Methylphenol (O-Cresol)	00095-48-7	mg/kg								
8270E	2-Nitroaniline	88-74-4	mg/kg								
8270E	2-Nitrophenol	88-75-5	mg/kg								
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	mg/kg								
8270E	3,3'-Dichlorobenzidine	91-94-1	mg/kg								
8270E	3-Nitroaniline	99-09-2	mg/kg								
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	mg/kg								
8270E	4-Bromophenyl Phenyl Ether	101-55-3	mg/kg								
8270E	4-Chloro-3-Methylphenol	59-50-7	mg/kg								
8270E	4-Chloroaniline	106-47-8	mg/kg								
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	mg/kg								
8270E	4-Nitroaniline	100-01-6	mg/kg								
8270E	4-Nitrophenol	100-02-7	mg/kg								
8270E	Acenaphthene	83-32-9	mg/kg								
8270E	Acenaphthylene	208-96-8	mg/kg								
8270E	Acetophenone	98-86-2	mg/kg								
8270E	Aniline	62-53-3	mg/kg								
8270E	Anthracene	120-12-7	mg/kg								
8270E	Atrazine	1912-24-9	mg/kg								
8270E	Benzaldehyde	100-52-7	mg/kg								
8270E	Benzo(A)Anthracene	56-55-3	mg/kg								
8270E	Benzo(A)Pyrene	50-32-8	mg/kg								
8270E	Benzo(B)Fluoranthene	205-99-2	mg/kg								
8270E	Benzo(G,H,I)Perylene	191-24-2	mg/kg								
8270E	Benzo(K)Fluoranthene	207-08-9	mg/kg								
8270E	Benzyl Butyl Phthalate	85-68-7	mg/kg								
8270E	Biphenyl (Diphenyl)	92-52-4	mg/kg								
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	mg/kg								
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	mg/kg								
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	mg/kg								
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	mg/kg								
8270E	Caprolactam	105-60-2	mg/kg								
8270E	Carbazole	86-74-8	mg/kg								
8270E	Chrysene	218-01-9	mg/kg								
8270E	Dibenz(A,H)Anthracene	53-70-3	mg/kg								
8270E	Dibenzofuran	132-64-9	mg/kg								

		Location ID	AWS-SE-SS-02		AWS-SE-SS-03		AWS-SE-SS-03		AWS-SE-SS-03	
		Sample ID	AWS-SE-SS-02-2-4		AWS-SE-SS-03-0.5-2		AWS-SE-SS-03-0-0.5		AWS-SE-SS-03-2-4	
		Matrix	SO		SO		SO		SO	
		Lab Sample ID	24H4442-03		24J2123-02		24J2123-01		24J2123-03	
		SDG	24H4442		24J2123		24J2123		24J2123	
		Sample Date	8/28/2024		10/12/2024		10/12/2024		10/12/2024	
		Sample Type Code	N		N		N		N	
Analytical Method	Chemical Name	CAS_RN	Unit							
8270E	Diethyl Phthalate	84-66-2	mg/kg							
8270E	Dimethyl Phthalate	131-11-3	mg/kg							
8270E	Di-N-Butyl Phthalate	84-74-2	mg/kg							
8270E	Di-N-Octylphthalate	117-84-0	mg/kg							
8270E	Fluoranthene	206-44-0	mg/kg							
8270E	Fluorene	86-73-7	mg/kg							
8270E	Hexachlorobenzene	118-74-1	mg/kg							
8270E	Hexachlorobutadiene	87-68-3	mg/kg							
8270E	Hexachlorocyclopentadiene	77-47-4	mg/kg							
8270E	Hexachloroethane	67-72-1	mg/kg							
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	mg/kg							
8270E	Isophorone	00078-59-1	mg/kg							
8270E	Naphthalene	91-20-3	mg/kg							
8270E	Nitrobenzene	98-95-3	mg/kg							
8270E	N-Nitrosodi-N-Propylamine	621-64-7	mg/kg							
8270E	N-Nitrosodiphenylamine	86-30-6	mg/kg							
8270E	Pentachlorophenol	87-86-5	mg/kg							
8270E	Phenanthrene	85-01-8	mg/kg							
8270E	Phenol	108-95-2	mg/kg							
8270E	Pyrene	129-00-0	mg/kg							
8270E	Pyridine	110-86-1	mg/kg							
A2540G	Solids, Percent	SOLID	%	88.8		84.2		88.3		83.1	
E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	ug/kg							
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	ug/kg							
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	ug/kg							
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	ug/kg							
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	ug/kg							
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	ug/kg							
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	ug/kg							
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	ug/kg							
E1633	3-Perfluoropropyl propanoic acid	356-02-5	ug/kg							
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ug/kg							
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	ug/kg							
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ug/kg							
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	ug/kg							
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	ug/kg							
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	ug/kg							
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ug/kg							
E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	ug/kg							
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	ug/kg							
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	ug/kg							
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	ug/kg							
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	ug/kg							
E1633	Perfluorobutanoic Acid	375-22-4	ug/kg							
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	ug/kg							
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	ug/kg							
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	ug/kg							
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	ug/kg							
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ug/kg							

				Location ID		AWS-SE-SS-02		AWS-SE-SS-03		AWS-SE-SS-03		AWS-SE-SS-03	
				Sample ID		AWS-SE-SS-02-2-4		AWS-SE-SS-03-0.5-2		AWS-SE-SS-03-0-0.5		AWS-SE-SS-03-2-4	
				Matrix		SO		SO		SO		SO	
				Lab Sample ID		24H4442-03		24J2123-02		24J2123-01		24J2123-03	
				SDG		24H4442		24J2123		24J2123		24J2123	
				Sample Date		8/28/2024		10/12/2024		10/12/2024		10/12/2024	
				Sample Type Code		N		N		N		N	
Analytical Method	Chemical Name	CAS_RN	Unit										
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	ug/kg										
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ug/kg										
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	ug/kg										
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ug/kg										
E1633	Perfluorononanoic acid (PFNA)	375-95-1	ug/kg										
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	ug/kg										
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ug/kg										
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	ug/kg										
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ug/kg										
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/kg										
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	ug/kg										
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	ug/kg										
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/kg										
SW6010D	Aluminum	7429-90-5	mg/kg	11000		12000		10000		13000			
SW6010D	Antimony	7440-36-0	mg/kg	1.8	U	2	U	1.8	U	2	U		
SW6010D	Arsenic	7440-38-2	mg/kg	7.8		10		9.1		11			
SW6010D	Barium	7440-39-3	mg/kg	110		130	J+	120	J+	150	J+		
SW6010D	Beryllium	7440-41-7	mg/kg	0.51		0.53		0.49		0.57			
SW6010D	Boron	7440-42-8	mg/kg	3.7	U	3.9	U	1.9	J	2	J		
SW6010D	Cadmium	7440-43-9	mg/kg	0.37	U	0.39	U	0.36	U	0.39	U		
SW6010D	Calcium	7440-70-2	mg/kg	3500		5700		12000		6000			
SW6010D	Chromium, Total	7440-47-3	mg/kg	14		15		13		16			
SW6010D	Cobalt	7440-48-4	mg/kg	9.6		9.9		8.5		11			
SW6010D	Copper	7440-50-8	mg/kg	19		21	J+	18	J+	25	J+		
SW6010D	Iron	7439-89-6	mg/kg	27000		28000		24000		30000			
SW6010D	Lead	7439-92-1	mg/kg	9.8		13		15		12			
SW6010D	Magnesium	7439-95-4	mg/kg	3900		4400		4500		5000			
SW6010D	Manganese	7439-96-5	mg/kg	410		430		460		460			
SW6010D	Nickel	7440-02-0	mg/kg	21		23		19		24			
SW6010D	Potassium	7440-09-7	mg/kg	1000		710		770		930			
SW6010D	Selenium	7782-49-2	mg/kg	3.7	U	3.9	U	3.6	U	3.9	U		
SW6010D	Silver	7440-22-4	mg/kg	0.37	U	0.39	U	0.36	U	0.39	U		
SW6010D	Sodium	7440-23-5	mg/kg	150	J	200	U	65	J	200	U		
SW6010D	Thallium	7440-28-0	mg/kg	1.8	U	2	U	1.8	U	2	U		
SW6010D	Vanadium	7440-62-2	mg/kg	16		14		13		15			
SW6010D	Zinc	7440-66-6	mg/kg	55		55		54		59			
SW7471B	Mercury	7439-97-6	mg/kg	0.02	J	0.018	J	0.025	J	0.015	J		
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	mg/kg										

		Location ID			
		Sample ID		AWS-SE-EB-082824	
		Matrix		WQ	
		Lab Sample ID		24H4442-04	
		SDG		24H4442	
		Sample Date		8/28/2024	
		Sample Type Code		EB	
Analytical Method	Chemical Name	CAS_RN	Unit		
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	10	U
8270E	1-Methylnaphthalene	90-12-0	ug/l	5	U
8270E	2,3,4,6-Tetrachlorophenol	58-90-2	ug/l		R
8270E	2,4,5-Trichlorophenol	95-95-4	ug/l	10	U
8270E	2,4,6-Trichlorophenol	88-06-2	ug/l	10	U
8270E	2,4-Dichlorophenol	120-83-2	ug/l	10	U
8270E	2,4-Dimethylphenol	105-67-9	ug/l	10	U
8270E	2,4-Dinitrophenol	51-28-5	ug/l	10	U
8270E	2,4-Dinitrotoluene	121-14-2	ug/l	10	U
8270E	2,6-Dinitrotoluene	606-20-2	ug/l	10	U
8270E	2-Chloronaphthalene	91-58-7	ug/l	10	U
8270E	2-Chlorophenol	95-57-8	ug/l	10	U
8270E	2-Methylnaphthalene	91-57-6	ug/l	5	U
8270E	2-Methylphenol (O-Cresol)	00095-48-7	ug/l	10	U
8270E	2-Nitroaniline	88-74-4	ug/l	10	U
8270E	2-Nitrophenol	88-75-5	ug/l	10	U
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	ug/l	10	U
8270E	3,3'-Dichlorobenzidine	91-94-1	ug/l	10	U
8270E	3-Nitroaniline	99-09-2	ug/l	10	U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	ug/l	10	U
8270E	4-Bromophenyl Phenyl Ether	101-55-3	ug/l	10	U
8270E	4-Chloro-3-Methylphenol	59-50-7	ug/l	10	U
8270E	4-Chloroaniline	106-47-8	ug/l	10	U
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l	10	U
8270E	4-Nitroaniline	100-01-6	ug/l	10	U
8270E	4-Nitrophenol	100-02-7	ug/l	10	U
8270E	Acenaphthene	83-32-9	ug/l	5	U
8270E	Acenaphthylene	208-96-8	ug/l	5	U
8270E	Acetophenone	98-86-2	ug/l	10	U
8270E	Aniline	62-53-3	ug/l	5	U
8270E	Anthracene	120-12-7	ug/l	5	U
8270E	Atrazine	1912-24-9	ug/l	20	U
8270E	Benzaldehyde	100-52-7	ug/l	10	U
8270E	Benzo(A)Anthracene	56-55-3	ug/l	5	U
8270E	Benzo(A)Pyrene	50-32-8	ug/l	5	U
8270E	Benzo(B)Fluoranthene	205-99-2	ug/l	5	U
8270E	Benzo(G,H,I)Perylene	191-24-2	ug/l	5	U
8270E	Benzo(K)Fluoranthene	207-08-9	ug/l	5	U
8270E	Benzyl Butyl Phthalate	85-68-7	ug/l	10	U
8270E	Biphenyl (Diphenyl)	92-52-4	ug/l	20	U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	ug/l	10	U
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/l	10	U
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	ug/l	10	U
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/l	10	UJ
8270E	Caprolactam	105-60-2	ug/l	10	UJ
8270E	Carbazole	86-74-8	ug/l	10	U
8270E	Chrysene	218-01-9	ug/l	5	U

		Location ID		
		Sample ID		AWS-SE-EB-082824
		Matrix		WQ
		Lab Sample ID		24H4442-04
		SDG		24H4442
		Sample Date		8/28/2024
		Sample Type Code		EB
Analytical Method	Chemical Name	CAS_RN	Unit	
8270E	Dibenz(A,H)Anthracene	53-70-3	ug/l	5 U
8270E	Dibenzofuran	132-64-9	ug/l	5 U
8270E	Diethyl Phthalate	84-66-2	ug/l	10 U
8270E	Dimethyl Phthalate	131-11-3	ug/l	10 U
8270E	Di-N-Butyl Phthalate	84-74-2	ug/l	10 U
8270E	Di-N-Octylphthalate	117-84-0	ug/l	10 U
8270E	Fluoranthene	206-44-0	ug/l	5 U
8270E	Fluorene	86-73-7	ug/l	5 U
8270E	Hexachlorobenzene	118-74-1	ug/l	10 U
8270E	Hexachlorobutadiene	87-68-3	ug/l	10 UJ
8270E	Hexachlorocyclopentadiene	77-47-4	ug/l	10 U
8270E	Hexachloroethane	67-72-1	ug/l	10 UJ
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/l	5 U
8270E	Isophorone	00078-59-1	ug/l	10 U
8270E	Naphthalene	91-20-3	ug/l	5 U
8270E	Nitrobenzene	98-95-3	ug/l	10 U
8270E	N-Nitrosodi-N-Propylamine	621-64-7	ug/l	10 U
8270E	N-Nitrosodiphenylamine	86-30-6	ug/l	10 U
8270E	Pentachlorophenol	87-86-5	ug/l	10 U
8270E	Phenanthrene	85-01-8	ug/l	5 U
8270E	Phenol	108-95-2	ug/l	10 U
8270E	Pyrene	129-00-0	ug/l	5 U
8270E	Pyridine	110-86-1	ug/l	5 UJ
E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	ng/l	4.2 U
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	ng/l	4.2 U
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	ng/l	4.2 U
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	ng/l	4.2 U
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	ng/l	10 U
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	ng/l	10 U
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	ng/l	52 U
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	ng/l	52 U
E1633	3-Perfluoropropyl propanoic acid	356-02-5	ng/l	10 U
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/l	4.2 U
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	ng/l	4.2 U
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/l	4.2 U
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	ng/l	1 U
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	ng/l	1 U
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	ng/l	1 U
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/l	1 U
E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	ng/l	2.1 U
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	ng/l	2.1 U
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	ng/l	2.1 U
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	ng/l	2.1 U
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/l	1 U
E1633	Perfluorobutanoic Acid	375-22-4	ng/l	4.2 U
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/l	1 U
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	1 U

		Location ID		
		Sample ID		AWS-SE-EB-082824
		Matrix		WQ
		Lab Sample ID		24H4442-04
		SDG		24H4442
		Sample Date		8/28/2024
		Sample Type Code		EB
Analytical Method	Chemical Name	CAS_RN	Unit	
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	ng/l	1 U
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	1 U
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/l	1 U
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	1 U
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/l	1 U
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	1 U
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ng/l	1 U
E1633	Perfluorononanoic acid (PFNA)	375-95-1	ng/l	1 U
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/l	1 U
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	1 U
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	0.37 J
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ng/l	1 U
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/l	2.1 U
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	ng/l	1 U
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	ng/l	1 U
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/l	1 U
E1633	Total Suspended Solids	TSS	mg/l	10 U
SW6010D	Aluminum	7429-90-5	mg/l	0.67
SW6010D	Antimony	7440-36-0	mg/l	0.05 U
SW6010D	Arsenic	7440-38-2	mg/l	0.0051 J
SW6010D	Barium	7440-39-3	mg/l	0.05 U
SW6010D	Beryllium	7440-41-7	mg/l	0.004 U
SW6010D	Boron	7440-42-8	mg/l	0.1 U
SW6010D	Cadmium	7440-43-9	mg/l	0.004 U
SW6010D	Calcium	7440-70-2	mg/l	0.29 J
SW6010D	Chromium, Total	7440-47-3	mg/l	0.01 U
SW6010D	Cobalt	7440-48-4	mg/l	0.01 U
SW6010D	Copper	7440-50-8	mg/l	0.01 U
SW6010D	Iron	7439-89-6	mg/l	1
SW6010D	Lead	7439-92-1	mg/l	0.01 U
SW6010D	Magnesium	7439-95-4	mg/l	0.18
SW6010D	Manganese	7439-96-5	mg/l	0.019
SW6010D	Nickel	7440-02-0	mg/l	0.01 U
SW6010D	Potassium	7440-09-7	mg/l	2 U
SW6010D	Selenium	7782-49-2	mg/l	0.05 U
SW6010D	Silver	7440-22-4	mg/l	0.01 U
SW6010D	Sodium	7440-23-5	mg/l	2 U
SW6010D	Thallium	7440-28-0	mg/l	0.05 U
SW6010D	Vanadium	7440-62-2	mg/l	0.01 U
SW6010D	Zinc	7440-66-6	mg/l	0.014
SW7470A	Mercury	7439-97-6	mg/l	0.0002 U
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	0.2 U

		Location ID			
		Sample ID		AWS-SE-EB-082824	
		Matrix		WQ	
		Lab Sample ID		24H4442-04	
		SDG		24H4442	
		Sample Date		8/28/2024	
		Sample Type Code		EB	
Analytical Method	Chemical Name	CAS_RN	Unit		
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	10	U
8270E	1-Methylnaphthalene	90-12-0	ug/l	5	U
8270E	2,3,4,6-Tetrachlorophenol	58-90-2	ug/l		R
8270E	2,4,5-Trichlorophenol	95-95-4	ug/l	10	U
8270E	2,4,6-Trichlorophenol	88-06-2	ug/l	10	U
8270E	2,4-Dichlorophenol	120-83-2	ug/l	10	U
8270E	2,4-Dimethylphenol	105-67-9	ug/l	10	U
8270E	2,4-Dinitrophenol	51-28-5	ug/l	10	U
8270E	2,4-Dinitrotoluene	121-14-2	ug/l	10	U
8270E	2,6-Dinitrotoluene	606-20-2	ug/l	10	U
8270E	2-Chloronaphthalene	91-58-7	ug/l	10	U
8270E	2-Chlorophenol	95-57-8	ug/l	10	U
8270E	2-Methylnaphthalene	91-57-6	ug/l	5	U
8270E	2-Methylphenol (O-Cresol)	00095-48-7	ug/l	10	U
8270E	2-Nitroaniline	88-74-4	ug/l	10	U
8270E	2-Nitrophenol	88-75-5	ug/l	10	U
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	ug/l	10	U
8270E	3,3'-Dichlorobenzidine	91-94-1	ug/l	10	U
8270E	3-Nitroaniline	99-09-2	ug/l	10	U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	ug/l	10	U
8270E	4-Bromophenyl Phenyl Ether	101-55-3	ug/l	10	U
8270E	4-Chloro-3-Methylphenol	59-50-7	ug/l	10	U
8270E	4-Chloroaniline	106-47-8	ug/l	10	U
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l	10	U
8270E	4-Nitroaniline	100-01-6	ug/l	10	U
8270E	4-Nitrophenol	100-02-7	ug/l	10	U
8270E	Acenaphthene	83-32-9	ug/l	5	U
8270E	Acenaphthylene	208-96-8	ug/l	5	U
8270E	Acetophenone	98-86-2	ug/l	10	U
8270E	Aniline	62-53-3	ug/l	5	U
8270E	Anthracene	120-12-7	ug/l	5	U
8270E	Atrazine	1912-24-9	ug/l	20	U
8270E	Benzaldehyde	100-52-7	ug/l	10	U
8270E	Benzo(A)Anthracene	56-55-3	ug/l	5	U
8270E	Benzo(A)Pyrene	50-32-8	ug/l	5	U
8270E	Benzo(B)Fluoranthene	205-99-2	ug/l	5	U
8270E	Benzo(G,H,I)Perylene	191-24-2	ug/l	5	U
8270E	Benzo(K)Fluoranthene	207-08-9	ug/l	5	U
8270E	Benzyl Butyl Phthalate	85-68-7	ug/l	10	U
8270E	Biphenyl (Diphenyl)	92-52-4	ug/l	20	U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	ug/l	10	U
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	ug/l	10	U
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	ug/l	10	U
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	ug/l	10	UJ
8270E	Caprolactam	105-60-2	ug/l	10	UJ
8270E	Carbazole	86-74-8	ug/l	10	U
8270E	Chrysene	218-01-9	ug/l	5	U

		Location ID		
		Sample ID		AWS-SE-EB-082824
		Matrix		WQ
		Lab Sample ID		24H4442-04
		SDG		24H4442
		Sample Date		8/28/2024
		Sample Type Code		EB
Analytical Method	Chemical Name	CAS_RN	Unit	
8270E	Dibenz(A,H)Anthracene	53-70-3	ug/l	5 U
8270E	Dibenzofuran	132-64-9	ug/l	5 U
8270E	Diethyl Phthalate	84-66-2	ug/l	10 U
8270E	Dimethyl Phthalate	131-11-3	ug/l	10 U
8270E	Di-N-Butyl Phthalate	84-74-2	ug/l	10 U
8270E	Di-N-Octylphthalate	117-84-0	ug/l	10 U
8270E	Fluoranthene	206-44-0	ug/l	5 U
8270E	Fluorene	86-73-7	ug/l	5 U
8270E	Hexachlorobenzene	118-74-1	ug/l	10 U
8270E	Hexachlorobutadiene	87-68-3	ug/l	10 UJ
8270E	Hexachlorocyclopentadiene	77-47-4	ug/l	10 U
8270E	Hexachloroethane	67-72-1	ug/l	10 UJ
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	ug/l	5 U
8270E	Isophorone	00078-59-1	ug/l	10 U
8270E	Naphthalene	91-20-3	ug/l	5 U
8270E	Nitrobenzene	98-95-3	ug/l	10 U
8270E	N-Nitrosodi-N-Propylamine	621-64-7	ug/l	10 U
8270E	N-Nitrosodiphenylamine	86-30-6	ug/l	10 U
8270E	Pentachlorophenol	87-86-5	ug/l	10 U
8270E	Phenanthrene	85-01-8	ug/l	5 U
8270E	Phenol	108-95-2	ug/l	10 U
8270E	Pyrene	129-00-0	ug/l	5 U
8270E	Pyridine	110-86-1	ug/l	5 UJ
E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	ng/l	4.2 U
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	ng/l	4.2 U
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	ng/l	4.2 U
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	ng/l	4.2 U
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	ng/l	10 U
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	ng/l	10 U
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	ng/l	52 U
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	ng/l	52 U
E1633	3-Perfluoropropyl propanoic acid	356-02-5	ng/l	10 U
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/l	4.2 U
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	ng/l	4.2 U
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/l	4.2 U
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	ng/l	1 U
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	ng/l	1 U
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	ng/l	1 U
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/l	1 U
E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	ng/l	2.1 U
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	ng/l	2.1 U
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	ng/l	2.1 U
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	ng/l	2.1 U
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/l	1 U
E1633	Perfluorobutanoic Acid	375-22-4	ng/l	4.2 U
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/l	1 U
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	1 U

		Location ID			
		Sample ID		AWS-SE-EB-082824	
		Matrix		WQ	
		Lab Sample ID		24H4442-04	
		SDG		24H4442	
		Sample Date		8/28/2024	
		Sample Type Code		EB	
Analytical Method	Chemical Name	CAS_RN	Unit		
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	ng/l	1	U
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	1	U
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/l	1	U
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	1	U
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/l	1	U
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	1	U
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	ng/l	1	U
E1633	Perfluorononanoic acid (PFNA)	375-95-1	ng/l	1	U
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	ng/l	1	U
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	1	U
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	0.37	J
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	ng/l	1	U
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	ng/l	2.1	U
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	ng/l	1	U
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	ng/l	1	U
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ng/l	1	U
E1633	Total Suspended Solids	TSS	mg/l	10	U
SW6010D	Aluminum	7429-90-5	mg/l	0.67	
SW6010D	Antimony	7440-36-0	mg/l	0.05	U
SW6010D	Arsenic	7440-38-2	mg/l	0.0051	J
SW6010D	Barium	7440-39-3	mg/l	0.05	U
SW6010D	Beryllium	7440-41-7	mg/l	0.004	U
SW6010D	Boron	7440-42-8	mg/l	0.1	U
SW6010D	Cadmium	7440-43-9	mg/l	0.004	U
SW6010D	Calcium	7440-70-2	mg/l	0.29	J
SW6010D	Chromium, Total	7440-47-3	mg/l	0.01	U
SW6010D	Cobalt	7440-48-4	mg/l	0.01	U
SW6010D	Copper	7440-50-8	mg/l	0.01	U
SW6010D	Iron	7439-89-6	mg/l	1	
SW6010D	Lead	7439-92-1	mg/l	0.01	U
SW6010D	Magnesium	7439-95-4	mg/l	0.18	
SW6010D	Manganese	7439-96-5	mg/l	0.019	
SW6010D	Nickel	7440-02-0	mg/l	0.01	U
SW6010D	Potassium	7440-09-7	mg/l	2	U
SW6010D	Selenium	7782-49-2	mg/l	0.05	U
SW6010D	Silver	7440-22-4	mg/l	0.01	U
SW6010D	Sodium	7440-23-5	mg/l	2	U
SW6010D	Thallium	7440-28-0	mg/l	0.05	U
SW6010D	Vanadium	7440-62-2	mg/l	0.01	U
SW6010D	Zinc	7440-66-6	mg/l	0.014	
SW7470A	Mercury	7439-97-6	mg/l	0.0002	U
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	0.2	U

APPENDIX E BEST MANAGEMENT PRACTICES

A Property Owner's Guide to Site Management in Corning, New York

Have immediate questions or concerns? Call the project hotline at 833-770-1716

NEW YORK STATE | Department of Environmental Conservation

This guide provides a summary of the Site Management Plan (SMP) that describes the ongoing and planned work throughout Corning and highlights information especially relevant to property owners.

Site Management Plan

You can view the entire SMP online at https://www.dec.ny.gov/chemical/97180.html or in person at the DEC Region 8 office, at the Southeast Steuben County Library, or Corning Incorporated.

The primary types of industrial wastes that have been identified throughout the Corning area are referred to as ABG because it consists of ash, brick, and glass. These materials are of concern to the DEC because they represent a potential human health hazard. If you observe ABG on your property or elsewhere in the area, please do not disturb the material and contact the DEC immediately.

Contact information

Email: PublicAvailability.Corning@Parsons.com

Project Hotline: 833-770-1716

Samantha Salotto, PE, DEC Project Manager

(518)402-9903 Samantha.salotto@dec.ny.gov

Scott Williams, DEC Construction Inspector

(585)773-8034 scott.williams@dec.ny.gov

What is ABG?

ABG waste is usually uncompacted and loose and can appear both concentrated in layers and distributed sporadically throughout the soil column.

Ash: colors vary and may include black, gray, orange, and white.
Brick: types include red construction brick, white or yellow refractory brick, and puzzle-piece brick.
Glass: highly variable and may include glass cullet (fragments indiscernible from a finished product),tubing, lenses, electrical ware, uranium glass (yellow, yellow-green, or green cullet that fluoresces green under ultraviolet light), and trademarked/patented products (embossed with "Pyrex,""Corningware," or other trademarks or patent numbers). A comprehensive identification manual is available on the DEC website to help property owners and other stakeholders determine if they are encountering exposed ABG.







Why is this material being removed?

Samples of the ABG waste material have been found to contain amounts of arsenic, barium, chromium, mercury, lead, and cadmium above **soil cleanup objectives (SCOs)** and sometimes at levels which would classify the materials a **hazardous waste**.

What are SCOs?

Soil cleanup objectives are contaminant-specific soil concentrations that are protective of public health and the environment for specified uses of a property (e.g., residential, commercial). SCOs are used to guide decisions about the need to reduce exposure to environmental contaminants. The SCOs are contained in NYSDEC's Environmental Remediation Program regulations http://www.dec.ny.gov/chemical/34189.html Analysis of surface soil and subsurface soil samples indicate results above the New York State SCOs. Arsenic, cadmium, lead, and SVOCs are the constituents of potential concern (COPC) in the Study Area. The SVOCs primarily consist of polycyclic aromatic hydrocarbons (PAHs) including 2-methylnaphthalene; benz(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; benzo(k)fluoranthene; chrysene; dibenz(a,h)anthracene and indeno(1,2,3-cd)pyrene.

A SCO is not a "bright line" between soil concentrations that will result in health effects and those that will not. Moreover, exceedance of an SCO at your property does not represent an immediate health hazard but indicates a need to evaluate measures to reduce the contaminant levels. The degree of public health concern when an SCO is exceeded depends on several factors, including (among others) the extent to which the SCO is exceeded, the potential for human exposure, other sources of exposure to the chemical, and the strength and quality of the available toxicological information on the chemical.

Why is this material called "hazardous waste"?

The term hazardous waste is a regulatory designation. In New York State, hazardous wastes are defined by U.S. Environmental Protection Agency and NYSDEC regulations http://www.dec.ny.gov/chemical/100401.html Simply defined, a hazardous waste is a waste with properties that make it dangerous or capable of having a harmful effect on human health or the environment. Hazardous waste is generated from many sources, ranging from industrial manufacturing process wastes to batteries and may come in many forms, including liquids, solids gases, and sludges. The treatment, storage and disposal of hazardous waste are regulated under the federal Resource Conservation and Recovery Act (RCRA) of 1976. Hazardous wastes are defined under RCRA in 40 CFR 261 where they are divided into two major categories: characteristic wastes and listed wastes. Characteristic hazardous wastes are materials that are known or tested to exhibit one or more of the following four hazardous traits: ignitibility, reactivity, corrosivity, or toxicity.

Soil and ash, brick, and/or glass in the Study Area was tested to see if it should be designated hazardous waste by using a test known as the Toxicity Characteristic Leaching Procedure (TCLP). TCLP is a soil sample extraction method employed to simulate leaching through a landfill and to assess the potential for contamination in the material being tested (soil) to get in groundwater. Designation of the soil and/or ash, brick and/or glass in the Study Area as hazardous waste is not directly related to the potential for human exposure or health risks; rather, it tells us that the materials if removed require special handling and disposal in a hazardous waste landfill. Listed hazardous wastes do not apply to soils in the Study Area.

Where would I encounter ABG?

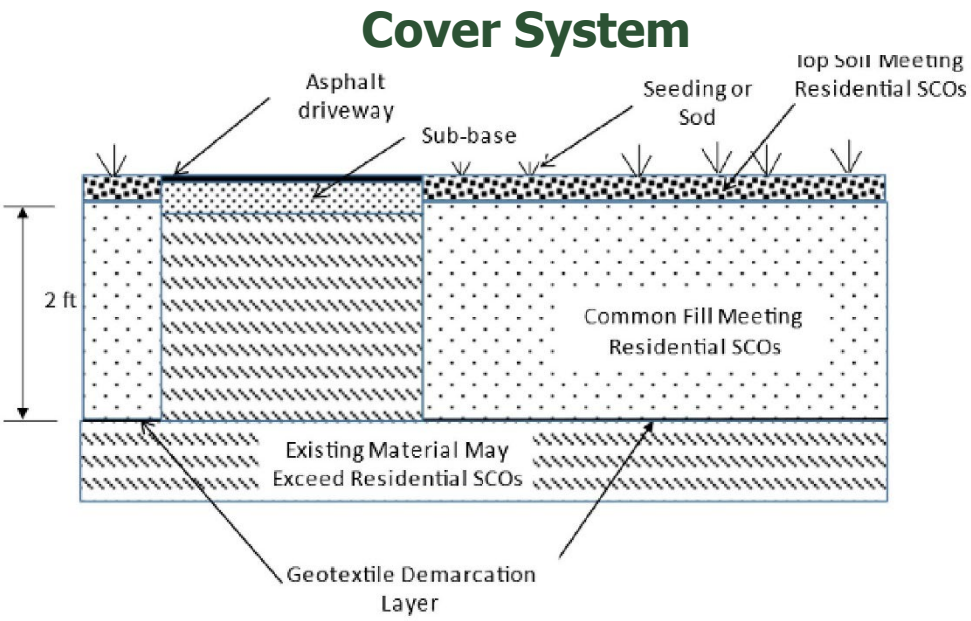
It is possible you could encounter ABG when digging on your property.

The cleanup that was performed in the Houghton Plot consisted of excavating and removing as much as the top two feet of soil where the ABG waste and other potential contamination were found. After the ABG and other potential contamination was removed, workers put in a new layer of clean material depending on what was removed. The new material may be grass, trees, concrete sidewalks, or asphalt. In some cases, investigation of a property determined that no action was needed.

However, the cleanup was performed only in the areas where the investigation found ABG. Note that the Houghton Plot was the location of former ash dumps which preceded the residential neighborhood and waste material could still be found as more areas are sampled.

Because the remedy consists of a cover system (up to two feet of clean soil, grass, trees, concrete sidewalks, or asphalt), property owners are encouraged to plan projects that would require more extensive digging—such as installing a swimming pool or new deck—only after you have consulted with DEC and Corning Incorporated.

Contact with metals and other contaminants of concern is also possible in surface soils (within top 2 inches of ground surface), particularly in areas not covered with grass, mulch or pavement, especially in areas with visible ash, brick, and glass. Contact is also possible in sub-surface soil (beneath ground surface) if you dig into the ground. People can be exposed to metals or other contaminants of concern in soil if they get soil on their hands or vegetables and swallow or ingest the soil through hand-to-mouth or eating activities.



What precautions should I take?

No immediate health effects from exposure to arsenic, cadmium, lead, SVOCs or other contaminants in the soil through typical use of the yards is expected. However, you can reduce the chances for exposure to these contaminants by taking reasonable and practical steps to minimize direct and repeated contact with bare soils (particularly by young children).

Maintenance of a grass or mulch cover will help prevent direct contact with the soil.

Unnecessary digging in the dirt should be avoided. Children and adults should wash hands after outdoor activities.

The use of doormats and periodic damp mopping of floors can help reduce exposure to outdoor soil that might be tracked indoors.

It's important to note that all soils contain at least trace metals and microorganisms, and therefore it is always a good idea to minimize getting soil into your body whether it is contaminated or not.

What about my garden?

Eating vegetables from your garden could increase your exposure to arsenic, cadmium, lead, SVOCs or other contaminants if they are present at elevated levels in the soil of your garden. Contaminant levels in homegrown vegetables depend on many factors such as the specific kind of vegetable, characteristics of the soil, the level of contamination in the soil, and others. Additionally, soil can stick to vegetables and then be taken into the body when the vegetables are eaten. If you decide to grow and eat vegetables, the New York State Department of Health recommends best practices that can be followed to reduce the potential for exposure any time people are concerned that soil may contain man-made or naturally occurring contaminants.

To help reduce any exposures you might have from vegetable gardening:

- Grow vegetables in raised beds with clean soil (at least 10 inches deep). Use untreated wood to make the beds. Pressure-treated wood and railroad ties contain added chemicals.
- Wear gloves when working in the garden and avoid bringing soil into the house.
- Brush off your clothes and remove shoes and gloves before entering your home.
- Wash with soap and water after gardening or any time before you eat.

Additional information about healthy gardening may be found at:
http://wwwhttp://www.health.ny.gov/publications/1301/

What are my responsibilities as a property owner?

Site Management will require work on some residential property. You have rights as a homeowner but also obligations to help the DEC and the DOH perform this work. Here is a summary of your rights and responsibilities:

1. You will not have to pay anything for this cleanup on your property; however, you will need to grant access to Corning Incorporated to perform the work. Note that you will be notified before anyone comes onto your property to do any work related to the remedy.

2. To the best of your ability, you should also protect the work in progress. For instance, if excavation has taken place in your front yard, you might want to keep pets from digging in the excavation area.

3. If you, even accidentally, do something that impacts the new cover put in place, you will need to contact Corning Incorporated and the DEC to let them know.

4. If you sell your house, you need to notify the DEC and Corning Incorporated so they can contact the new residents about the cleanup work. The seller should also provide the No Further Action Letter and the Construction Completion Report (if they have one) to the new owner. If you have misplaced these documents, you can contact Corning Incorporated or DEC and they can help you.

5. After the new cover material is put into place, you will be responsible for the normal upkeep of your property—such as mowing and trimming—just as you would have before. Corning Incorporated provided instructions on how to maintain your new sod.

Important Timelines for Property Owners

If any of the situations described below apply to you, please notify Corning Incorporated and the DEC as quickly as possible. These timelines were established to help maintain the health and safety of people and the environment.

The DEC can help you determine the likelihood of encountering ABG and assist with dealing with it if you do.

Corning Incorporated will notify you, the property owner 15 days prior to doing any field activity associated with site management including inspections and monitoring or excavation. You will also receive status reports within 45 days of Corning Incorporated having to respond to an event on your property that describes any actions taken to maintain the cover system.

I discovered damage to the cover system installed by Corning Incorporated.

- Notify Corning Incorporated and the DEC within 24 hours.

I think I found ash, brick, or glass.

- Notify Corning Incorporated and the DEC within 24 hours.

I have a building permit that includes digging or excavating.

- Notify Corning Incorporated and the DEC within 7 days of receipt. Corning Incorporated will arrange activities.

I am planning activities on my property that require excavation.

- Notify Corning Incorporated and the DEC 60 days before starting your project.

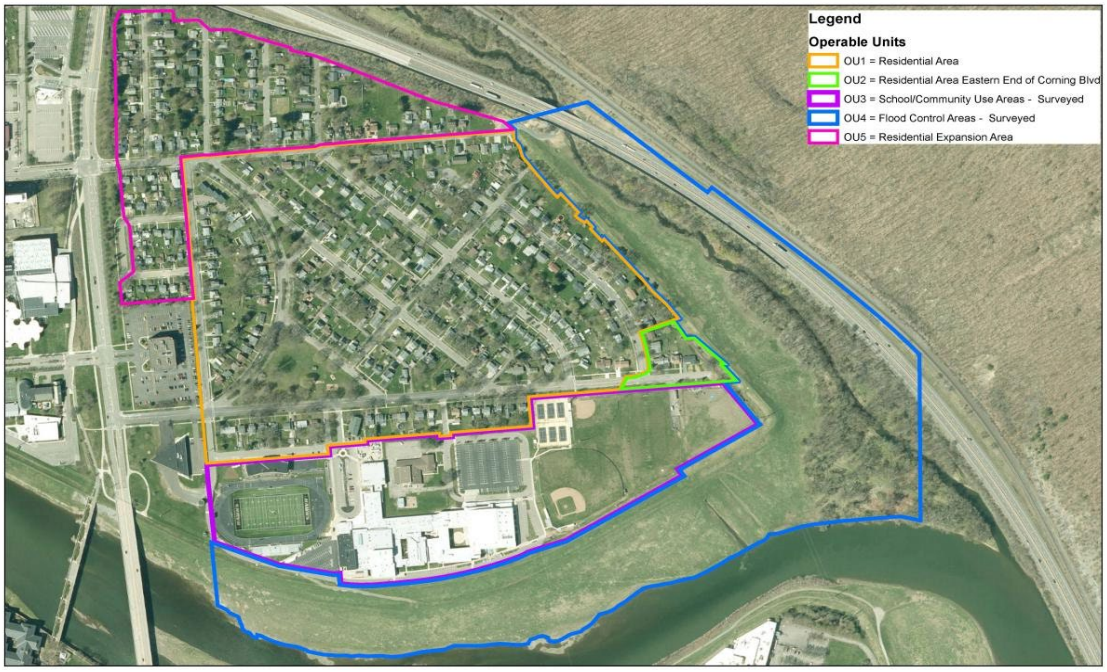
Overview of the Site Management Plan

Each section of the SMP is summarized below.

Executive Summary

This introductory portion of the plan uses the terms "OU1," "OU2," or "OU5." These are operable units and are the different areas of the cleanup that will take place in residential areas. Having operable units was necessary for breaking down this large project into manageable components, which involved different cover systems and/or schedules for implementation.

The SMP has been developed for the properties within the Residential Area (OU1), the Residential Area at the Eastern End of Corning Boulevard (OU2) and the Residential Expansion Area (OU5).



2.0 Institutional and Engineering Control Plan

Section 2 provides detailed information about the institutional controls (such as the plans for and procedures that will be followed during inspections and the notification requirements for homeowners, Corning Incorporated, and the DEC) and the engineering controls (that is, the cover that was installed after excavation). Institutional controls are referred to as "ICs" throughout the SMP. Subsection 2.3 describes the engineering controls—that is, the new soil and materials that will be placed after the excavation. The soil cover system is a permanent control, and the quality and integrity of this system will be inspected at defined, regular intervals, in perpetuity, in accordance with this Site Management Plan.

More information about the backfilling, reseeding, lawn replacement, and replacing landscaping features can be found in this section.

Overview of the Site Management Plan

Each section of the SMP is summarized below.

3.0 Monitoring Plan

This section of the SMP describes how the new cover system will be evaluated and monitored.

4.0 Periodic Assessments/Evaluation

This section describes how Corning Incorporated will determine the vulnerability of the site related to severe weather events. Increased erosion, damage to infrastructure from wind, and flooding are all considered. This section also describes the DEC's policy related to green remediation (i.e., work be performed using ecologically sound techniques that save energy, reduce waste and emissions, conserve water, and protection of the natural environment and private property).

5.0 Reporting Requirements

This section describes the periodic reporting requirements and include (1) site inspection reports and (2) periodic review reports (PRRs).

A comprehensive inspection of properties will be performed annually by Corning Incorporated and documented in inspection forms submitted to DEC as part of the annual Periodic Review Reports (PRRs). Any deficiencies or issues that require action will be documented via email and provided to NYSDEC within 7 calendar days of the inspection. Corning Incorporated will compile the information provided by the property owners to be included in the PRR. Such information will include, but is not limited to, an annual summary of work completed on the property which involved excavation and any observation of damage or defect that compromises the effectiveness of the cover system.

6.0 References

This section lists the reports, journal articles, research, etc. referenced in the site management plan. Many of these are available to the public either online or in a public library.

Figures

This section of the site management plan includes maps of the site, photos of waste material, and illustrations of the cover system.

Tables

The first table (Table 1-1) in this section lists the different properties in each operable unit (OU). Note that no personal identification is listed on this table.

Overview of the Site Management Plan

Each section of the SMP is summarized below.

Appendix A: Waste Summary, Industrial Wastes in Corning, New York. This appendix provides a descriptions and pictures of the different waste material you may encounter on your property.

Appendix B: Site contacts are provided.

Appendix C: Supplemental Requirements for Building Permits in the City of Corning Study Area. This section is important for property owners because it describes what you should do if you are issued a building permit for work on your property.

Appendix D: Excavation Work Plan – Residential Properties (EWP-RP). This appendix details how the excavation and the replacement of the cover system will be performed and how property owners should plan for their own excavation projects in their yards.

The excavation workplan describes how excavation and replacement of the cover system will be performed. It explains how the material will be loaded onto containers for disposal, how it will be transported and disposed of, how the equipment used for the work will be decontaminated, the management of water, and how the cover system will be repaired, installed, or restored as required. Note that this work will be at no expense to the property owner.

If you are planning to dig post holes deeper than 2 feet below ground surface or plant trees or shrubs in an area that is known to contain ABG, Corning Incorporated will hire a qualified driller to drill those holes. If you are planning to install a fence, flagpole, or mailbox, for example, you and the driller will mark out the locations for the holes and the driller (hired by Corning Incorporated) will manage the subsurface material so you will not come into contact with any waste material. You or your contractor may then complete the project.

For excavations deeper than 2 feet required for installing footers or for building additions or in-ground swimming pools, for example, Corning Incorporated will work with you and your schedule and hire a subcontractor to complete the excavation. During that excavation, the subcontractor will install a demarcation layer (e.g., fabric) at the bottom of the excavation to provide a visual barrier against any remaining ABG and other potential contamination. During this work, Corning Incorporated may collect samples of the material being excavated to assist with disposal. When the subcontractor is finished, they will install a temporary safety fence. If the excavation is against a foundation, Corning Incorporated will inspect the area inside and outside, and before and after the excavation to make sure there was no damage to your foundation. You or your contractor may then complete the project.

Note that an access agreement will be necessary for DEC and/or Corning Incorporated to perform work on your property.

Overview of the Site Management Plan

Each section of the SMP is summarized below.

Appendix E: Soil Analytical Results and Remaining Contamination. This appendix contains drawings illustrating sampling locations with symbols used to indicate the sample type (such as a soil boring, test pit, surface soil, etc.) and the results of analytical testing at each point. Tables summarizing the results of the laboratory data analysis for each sample make up the rest of this appendix.

Appendix F. Known Subject Material Within City of Corning Rights-of-way. Appendix F contains figures that illustrate City of Corning rights-of-way and the locations and analytical results of any samples taken in these areas.

Appendix G. Known Subject Material Within City of Corning Rights-of-way (Prepared by Parsons). This appendix consists of one figure developed by Parsons Corporation. (Parsons is providing third-party oversight for the cleanup work on behalf of DEC). This map illustrates the likelihood of ABG and other potential contamination being encountered the City of Corning right-of-way.

Appendix H. Excavation Work Plan – City of Corning Rights-of-way Areas (EWP-ROW). This appendix consists of a work plan describing the cleanup work that will occur in the City's rights-of-way. This work plan is similar to the one provided in Appendix D but it describes the notification requirements for the City of Corning and utility providers rather than property owners.

Appendix I. Short-Term Response Action Work Plan. This work plan describes the immediate actions that will be taken to address or mitigate any environmental impacts posed by the ABG and other potential contamination. It provides the short-term measures that will be taken if someone finds ABG such as isolating the area with temporary fencing, installing any erosion controls if necessary, and inspecting the area daily. These are short-term measures to address immediate exposure risks that are taken before the more comprehensive excavation takes place.

Overview of the Site Management Plan



Each section of the SMP is summarized below.

Appendix J. Responsibilities of Property Owner and Remedial Party. The information in this appendix is of particular importance to property owners. It describes in detail the different responsibilities for the property owner, Corning Incorporated, and utility contractors. Corning Incorporated and the DEC also have responsibilities to protect you, your property, and the environment at large throughout this project. That information is also included in Appendix J.

Appendix K. Health and Safety Plan (HASP). The HASP provides detailed information for people working on the project. It describes the potential hazards of working on the site and includes the safety measures and procedures that are put in place to keep workers safe.

Appendix L. Community Air Monitoring Plan (CAMP). The CAMP provides information related to the control of dust and the air monitoring that will take place during the clean up work.

Appendix M. Site Management Forms. This appendix consists of a blank inspection log forms to be used by workers in the field.

Appendix N. Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP). This appendix details the sampling protocols and quality assurance/quality control (QA/QC) procedures for conducting field sampling activities.

Appendix O. Groundwater Monitoring Plan. This appendix describes how groundwater monitoring wells will be installed. Monitoring groundwater is one way of assessing if the remedy is working.

Appendix P. Agreement for Work in the Houghton Plot Study Area – Project ID 851046 between Corning Incorporated and the City of Corning. This appendix details the agreement between Corning Incorporated and the City of Corning for performing excavation work within the City of Corning rights-of way.

Visit the DEC's Website for More Information

https://www.dec.ny.gov/chemical/97180.html

A digital version of this guide can be found at https://arcg.is/1eH18q.

This digital site will be updated as needed.