

Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

21 February 2022

Project No.: 0529307

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1. INTRODUCTION

Environmental Resources Management, Inc. (ERM) installed five stationary air monitors (SAMs) at four locations around the perimeter of the remediation site to monitor dust levels (PM₁₀), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) produced by the excavation. SAMs 1 and 3 were collocated in the southeast corner to provide duplicate measurements for quality control purposes. A meteorological monitoring station was installed to collect wind speed and direction, temperature, and barometric pressure to document atmospheric conditions and to support interpretation of the air quality data. A map showing the monitoring network layout is presented in Figure 1.

Figure 1: Ameren Champaign 5th Street - Monitoring Site Locations



ERM used health effects data to establish maximum acceptable exposure levels for each of the constituents of concern (COC). These were used to set action levels for the monitoring compounds.

This weekly summary presents the real-time ambient air quality and meteorological data collected from February 9, 2022 through February 15, 2022. While samples were collected, there were no laboratory data results received during this reporting period. All results are compared to the established maximum acceptable exposure levels and are representative of ongoing remedial efforts.

2. SUMMARY

The reporting period covers the initial remediation operational phase. No parameters exceeded their corresponding designated action levels over the reporting period. This indicates that there was no significant adverse impact on local air quality. Since there were no exceedances of the action or maximum acceptable exposure levels, there was no need to curtail remediation activities or enhance

emission control measures. Table 1 presents a summary of the air quality monitoring results for the reporting period.

Table 1 Reporting Period Air Monitoring Summary

CONSTITUENTS OF CONCERN, SAMPLING PERIOD, UNITS	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL
Inhalable Particulate Matter (15-min average, $\mu\text{g}/\text{m}^3$)	2/9/2022 – 2/15/2022	0	32	360
VOC (1-minute average, $\mu\text{g}/\text{m}^3$)	2/9/2022 – 2/15/2022	0	0.2	156.7
Benzene, Real-time GC (1-minute average $\mu\text{g}/\text{m}^3$)	2/9/2022 – 2/15/2022	0	NM	156.7
Styrene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			205,000
Benzene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			16.5
Toluene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			23,400
Xylenes (total), Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			41,000
Ethylbenzene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			59,400
2-methylnaphthalene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			820
Acenaphthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			12,300
Acenaphthylene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			615
Anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			615
Benzo(a)anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			1.54
Benzo(a)pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			0.154
Benzo(k)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			15.4
Benzo(b)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			15.4
Chrysene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	No results received this reporting period.			154

CONSTITUENTS OF CONCERN, SAMPLING PERIOD, UNITS	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL
Dibenzo(a,h)anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)		No results received this reporting period.		0.154
Fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)		No results received this reporting period.		8,200
Fluorene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)		No results received this reporting period.		8,200
Indeno(1,2,3-cd)pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)		No results received this reporting period.		1.54
Napthalene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)		No results received this reporting period.		176
Phenanthrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)		No results received this reporting period.		6,150
Pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)		No results received this reporting period.		6,150

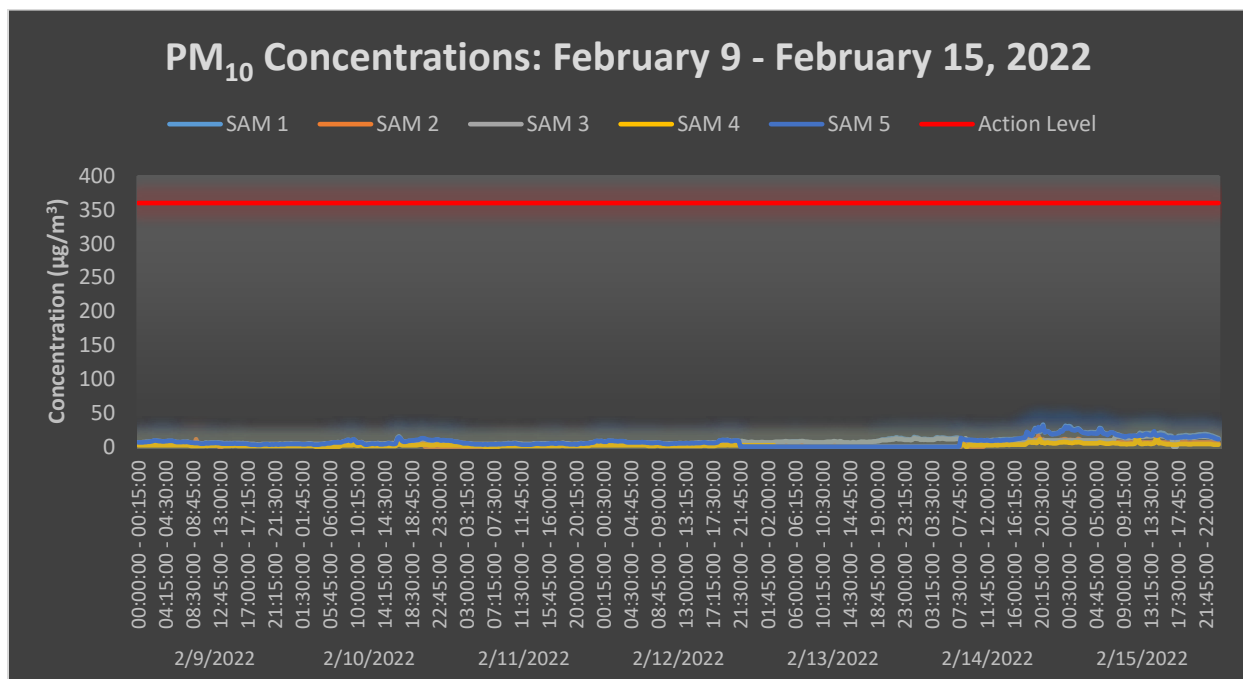
Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

NM = No measurements (benzene-specific measurements only made with portable gas chromatograph, in response to VOC exceedance)

ND = Not detected (concentrations below laboratory minimum detection limits)

The preliminary (not fully quality-assured) data record for the reporting period is contained in Appendix A. PM_{10} concentrations for the week are presented in Figure 2.

Figure 2: PM_{10} Concentrations



APPENDIX A COMPLETE PRELIMINARY DATA RECORD



Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/09/2022	00:00:00 - 00:15:00	6	3	6	2	6	0.9	231	3.3	81	983.4
02/09/2022	00:15:00 - 00:30:00	6	3	6	2	6	0.4	232	3.1	82	983.3
02/09/2022	00:30:00 - 00:45:00	6	3	6	2	6	0.4	246	3.3	81	983.2
02/09/2022	00:45:00 - 01:00:00	6	3	7	2	6	0.8	261	3.2	81	983.2
02/09/2022	01:00:00 - 01:15:00	6	3	7	2	7	0.7	209	3.0	82	983.2
02/09/2022	01:15:00 - 01:30:00	6	3	7	2	7	1.0	207	2.7	83	983.1
02/09/2022	01:30:00 - 01:45:00	7	3	7	2	7	0.8	193	2.6	84	983.2
02/09/2022	01:45:00 - 02:00:00	7	3	7	2	7	0.5	202	2.4	85	983.2
02/09/2022	02:00:00 - 02:15:00	7	3	7	2	7	0.5	176	2.2	85	983.1
02/09/2022	02:15:00 - 02:30:00	8	4	8	2	8	0.6	191	1.9	86	982.9
02/09/2022	02:30:00 - 02:45:00	9	4	8	2	9	0.9	190	1.6	87	982.8
02/09/2022	02:45:00 - 03:00:00	9	4	9	2	9	0.6	185	1.4	88	982.7
02/09/2022	03:00:00 - 03:15:00	9	4	8	2	9	0.7	174	1.3	88	982.4
02/09/2022	03:15:00 - 03:30:00	8	4	8	2	8	0.6	195	1.3	88	982.2
02/09/2022	03:30:00 - 03:45:00	8	4	8	2	8	0.8	237	1.5	87	982.1
02/09/2022	03:45:00 - 04:00:00	7	4	8	2	8	0.8	196	1.6	86	982.0
02/09/2022	04:00:00 - 04:15:00	7	4	7	2	8	0.7	213	1.3	87	981.8
02/09/2022	04:15:00 - 04:30:00	7	4	7	2	8	0.5	168	0.9	87	981.8
02/09/2022	04:30:00 - 04:45:00	8	4	8	2	8	0.9	193	0.8	88	981.8
02/09/2022	04:45:00 - 05:00:00	8	4	8	2	9	1.1	191	0.8	88	981.8
02/09/2022	05:00:00 - 05:15:00	8	4	8	2	9	1.2	196	0.9	88	981.8
02/09/2022	05:15:00 - 05:30:00	8	4	8	2	9	1.0	193	0.9	88	981.8
02/09/2022	05:30:00 - 05:45:00	8	4	8	2	8	1.1	203	1.0	87	981.9
02/09/2022	05:45:00 - 06:00:00	7	4	7	2	7	1.1	207	1.2	86	981.9
02/09/2022	06:00:00 - 06:15:00	6	3	7	2	7	1.0	195	1.3	85	982.0
02/09/2022	06:15:00 - 06:30:00	6	3	7	2	7	1.0	202	1.4	84	982.1
02/09/2022	06:30:00 - 06:45:00	6	3	6	2	7	1.3	223	1.4	84	982.3
02/09/2022	06:45:00 - 07:00:00	6	3	7	2	7	1.4	221	1.2	84	982.6
02/09/2022	07:00:00 - 07:15:00	6	3	7	2	7	1.4	223	0.7	84	982.6
02/09/2022	07:15:00 - 07:30:00	6	4	7	2	7	1.0	239	0.3	85	982.7
02/09/2022	07:30:00 - 07:45:00	6	6	7	2	7	1.1	245	0.1	86	982.8
02/09/2022	07:45:00 - 08:00:00	7	4	7	2	7	1.3	251	0.7	84	983.0
02/09/2022	08:00:00 - 08:15:00	6	3	6	2	6	1.8	259	1.5	81	983.2
02/09/2022	08:15:00 - 08:30:00	5	3	5	1	6	1.8	256	2.1	79	983.2
02/09/2022	08:30:00 - 08:45:00	5	3	5	1	6	2.0	262	2.4	77	983.2
02/09/2022	08:45:00 - 09:00:00	5	3	5	1	5	2.2	263	2.9	75	983.2
02/09/2022	09:00:00 - 09:15:00	6	11	6	1	5	1.6	270	3.3	73	983.2
02/09/2022	09:15:00 - 09:30:00	5	3	5	1	5	1.8	269	3.8	72	983.2
02/09/2022	09:30:00 - 09:45:00	5	3	5	1	5	1.7	266	4.2	71	983.1
02/09/2022	09:45:00 - 10:00:00	4	3	5	1	4	1.8	271	4.5	69	983.1
02/09/2022	10:00:00 - 10:15:00	5	3	5	1	4	1.8	277	5.1	67	983.1
02/09/2022	10:15:00 - 10:30:00	5	2	4	1	4	2.1	262	5.5	66	983.1
02/09/2022	10:30:00 - 10:45:00	6	3	5	1	5	2.3	266	5.4	66	983.1
02/09/2022	10:45:00 - 11:00:00	6	2	5	1	5	1.5	256	5.2	67	983.1
02/09/2022	11:00:00 - 11:15:00	5	2	5	1	5	1.6	241	5.1	68	982.9
02/09/2022	11:15:00 - 11:30:00	6	2	5	1	5	1.6	223	5.0	69	982.9
02/09/2022	11:30:00 - 11:45:00	6	2	5	1	5	1.8	235	5.4	68	982.8
02/09/2022	11:45:00 - 12:00:00	6	3	5	2	5	2.8	250	5.2	68	982.9
02/09/2022	12:00:00 - 12:15:00	6	3	5	2	6	2.9	251	4.8	69	982.8
02/09/2022	12:15:00 - 12:30:00	6	3	5	2	5	2.0	248	4.9	69	982.7
02/09/2022	12:30:00 - 12:45:00	6	Offline	5	2	5	2.1	256	4.9	70	982.7
02/09/2022	12:45:00 - 13:00:00	6	Offline	4	1	5	2.7	259	4.7	69	982.6
02/09/2022	13:00:00 - 13:15:00	6	Offline	4	1	4	3.2	260	4.3	70	982.6
02/09/2022	13:15:00 - 13:30:00	5	2	4	1	4	2.3	259	4.4	70	982.5
02/09/2022	13:30:00 - 13:45:00	5	2	4	1	4	2.5	259	4.5	70	982.3
02/09/2022	13:45:00 - 14:00:00	5	2	4	1	4	2.9	265	4.5	70	982.3
02/09/2022	14:00:00 - 14:15:00	5	2	4	1	4	2.7	268	4.6	70	982.4
02/09/2022	14:15:00 - 14:30:00	5	2	4	1	4	2.3	261	4.5	70	982.5
02/09/2022	14:30:00 - 14:45:00	5	2	4	2	4	2.4	259	4.6	71	982.6
02/09/2022	14:45:00 - 15:00:00	5	2	5	1	5	2.7	258	4.5	71	982.7
02/09/2022	15:00:00 - 15:15:00	5	3	5	2	5	2.5	263	4.3	72	982.7
02/09/2022	15:15:00 - 15:30:00	5	2	5	2	4	2.4	255	4.3	72	982.8

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAMS					Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/09/2022	15:30:00 - 15:45:00	5	2	5	1	4	2.6	257	4.2	72	983.0
02/09/2022	15:45:00 - 16:00:00	5	2	5	1	5	2.5	261	4.2	73	983.3
02/09/2022	16:00:00 - 16:15:00	5	2	5	1	4	2.2	263	4.2	73	983.5
02/09/2022	16:15:00 - 16:30:00	5	2	5	1	5	2.3	262	4.2	73	983.6
02/09/2022	16:30:00 - 16:45:00	5	2	5	1	5	2.4	256	4.0	74	983.7
02/09/2022	16:45:00 - 17:00:00	4	2	5	1	4	1.8	264	3.8	75	983.8
02/09/2022	17:00:00 - 17:15:00	4	2	5	1	4	1.8	258	3.6	76	983.9
02/09/2022	17:15:00 - 17:30:00	3	2	4	1	4	1.8	258	3.6	76	984.0
02/09/2022	17:30:00 - 17:45:00	3	2	4	1	3	1.7	259	3.6	76	984.1
02/09/2022	17:45:00 - 18:00:00	3	2	4	1	3	1.4	264	3.6	76	984.4
02/09/2022	18:00:00 - 18:15:00	3	2	4	1	3	1.3	263	3.6	77	984.5
02/09/2022	18:15:00 - 18:30:00	2	2	3	1	3	0.8	240	3.4	79	984.7
02/09/2022	18:30:00 - 18:45:00	2	2	3	1	3	1.0	263	3.2	80	984.9
02/09/2022	18:45:00 - 19:00:00	2	2	3	1	2	1.6	267	3.4	79	985.0
02/09/2022	19:00:00 - 19:15:00	2	2	3	1	3	1.6	265	3.4	79	985.2
02/09/2022	19:15:00 - 19:30:00	2	2	4	1	3	2.3	269	3.6	76	985.2
02/09/2022	19:30:00 - 19:45:00	3	2	4	1	4	3.0	267	3.7	74	985.3
02/09/2022	19:45:00 - 20:00:00	3	2	4	1	4	2.5	269	3.5	74	985.5
02/09/2022	20:00:00 - 20:15:00	3	2	4	1	4	2.1	275	3.4	75	985.5
02/09/2022	20:15:00 - 20:30:00	3	2	4	1	3	1.9	280	3.3	75	985.3
02/09/2022	20:30:00 - 20:45:00	2	2	4	1	3	1.8	271	3.3	75	985.3
02/09/2022	20:45:00 - 21:00:00	3	2	4	1	3	1.8	258	3.0	75	985.5
02/09/2022	21:00:00 - 21:15:00	3	2	4	1	3	1.4	256	2.6	77	985.3
02/09/2022	21:15:00 - 21:30:00	3	2	4	1	3	1.4	268	2.5	77	985.5
02/09/2022	21:30:00 - 21:45:00	3	2	4	1	4	1.5	263	2.4	77	985.7
02/09/2022	21:45:00 - 22:00:00	3	2	4	1	3	1.6	261	2.4	77	985.7
02/09/2022	22:00:00 - 22:15:00	3	2	4	1	3	2.0	268	2.4	76	985.8
02/09/2022	22:15:00 - 22:30:00	3	2	4	1	3	1.8	281	2.3	77	985.7
02/09/2022	22:30:00 - 22:45:00	3	2	4	1	3	2.1	276	1.9	81	985.8
02/09/2022	22:45:00 - 23:00:00	3	2	4	1	3	1.5	285	1.7	83	985.7
02/09/2022	23:00:00 - 23:15:00	3	2	4	1	4	2.0	264	1.6	83	985.7
02/09/2022	23:15:00 - 23:30:00	3	3	4	1	4	1.6	272	1.7	83	985.8
02/09/2022	23:30:00 - 23:45:00	3	3	4	1	4	1.5	274	1.6	83	985.9
02/10/2022	23:45:00 - 00:00:00	3	2	5	1	4	2.0	257	1.2	85	985.9
02/10/2022	00:00:00 - 00:15:00	3	3	4	1	4	1.4	263	1.0	86	985.9
02/10/2022	00:15:00 - 00:30:00	3	2	4	1	4	1.8	269	1.0	87	986.0
02/10/2022	00:30:00 - 00:45:00	3	3	4	1	4	1.7	273	1.0	86	986.2
02/10/2022	00:45:00 - 01:00:00	3	2	4	1	4	1.8	266	1.0	87	986.3
02/10/2022	01:00:00 - 01:15:00	3	3	5	1	4	1.2	280	0.9	87	986.3
02/10/2022	01:15:00 - 01:30:00	3	3	4	1	4	1.8	287	0.7	85	986.2
02/10/2022	01:30:00 - 01:45:00	2	3	4	1	3	1.9	301	0.5	84	986.2
02/10/2022	01:45:00 - 02:00:00	3	3	4	1	3	1.6	290	0.2	84	986.4
02/10/2022	02:00:00 - 02:15:00	3	3	4	1	3	1.9	293	0.1	84	986.3
02/10/2022	02:15:00 - 02:30:00	3	3	4	1	4	1.9	282	0.0	85	986.5
02/10/2022	02:30:00 - 02:45:00	3	3	5	1	4	2.2	295	0.1	84	986.5
02/10/2022	02:45:00 - 03:00:00	3	2	5	1	4	2.0	300	0.0	82	986.5
02/10/2022	03:00:00 - 03:15:00	3	3	4	1	4	2.7	300	0.0	81	986.4
02/10/2022	03:15:00 - 03:30:00	2	2	4	1	3	2.3	303	-0.2	81	986.3
02/10/2022	03:30:00 - 03:45:00	2	2	4	Offline	3	2.3	308	-0.3	81	986.3
02/10/2022	03:45:00 - 04:00:00	2	2	4	Offline	3	1.5	314	-0.6	82	986.3
02/10/2022	04:00:00 - 04:15:00	2	2	4	Offline	3	1.3	295	-0.8	83	986.5
02/10/2022	04:15:00 - 04:30:00	2	3	4	Offline	3	1.3	288	-0.7	83	986.8
02/10/2022	04:30:00 - 04:45:00	2	2	4	Offline	4	2.1	312	-0.6	82	987.1
02/10/2022	04:45:00 - 05:00:00	3	3	5	Offline	4	2.2	299	-0.5	80	987.2
02/10/2022	05:00:00 - 05:15:00	3	2	5	Offline	4	2.4	308	-0.7	80	987.4
02/10/2022	05:15:00 - 05:30:00	4	3	5	Offline	5	2.4	287	-0.7	79	987.6
02/10/2022	05:30:00 - 05:45:00	4	3	5	Offline	5	1.7	279	-0.7	80	987.7
02/10/2022	05:45:00 - 06:00:00	4	3	5	Offline	5	1.6	273	-0.8	80	987.8
02/10/2022	06:00:00 - 06:15:00	5	3	6	Offline	5	1.5	272	-0.8	81	988.1
02/10/2022	06:15:00 - 06:30:00	5	3	6	Offline	6	1.5	287	-0.9	82	988.2
02/10/2022	06:30:00 - 06:45:00	5	3	6	Offline	6	1.4	287	-0.9	83	988.3
02/10/2022	06:45:00 - 07:00:00	5	3	6	Offline	6	1.5	276	-0.9	83	988.5

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/10/2022	07:00:00 - 07:15:00	6	3	7		6	1.5	276	-0.8	83	988.7
02/10/2022	07:15:00 - 07:30:00	6	3	6	Offline	6	1.4	278	-0.8	83	989.0
02/10/2022	07:30:00 - 07:45:00	5	3	6	2	6	1.7	282	-0.7	82	989.3
02/10/2022	07:45:00 - 08:00:00	6	3	7	2	7	1.7	263	-0.7	83	989.4
02/10/2022	08:00:00 - 08:15:00	8	4	8	2	8	1.8	255	-0.7	84	989.6
02/10/2022	08:15:00 - 08:30:00	8	4	8	2	8	2.1	266	-0.8	84	989.8
02/10/2022	08:30:00 - 08:45:00	10	4	9	2	10	2.7	268	-1.0	84	989.9
02/10/2022	08:45:00 - 09:00:00	10	4	9	2	10	2.8	271	-1.1	83	990.1
02/10/2022	09:00:00 - 09:15:00	8	5	8	2	8	2.3	277	-1.2	84	990.3
02/10/2022	09:15:00 - 09:30:00	10	4	9	2	10	2.3	270	-1.1	83	990.2
02/10/2022	09:30:00 - 09:45:00	11	5	10	3	11	2.6	279	-0.9	81	990.2
02/10/2022	09:45:00 - 10:00:00	9	4	8	2	9	2.3	275	-0.7	79	990.2
02/10/2022	10:00:00 - 10:15:00	5	3	6	2	6	2.2	281	-0.6	76	990.2
02/10/2022	10:15:00 - 10:30:00	5	3	6	1	6	2.2	295	-0.6	77	990.2
02/10/2022	10:30:00 - 10:45:00	6	3	6	2	6	2.6	283	-0.6	77	990.2
02/10/2022	10:45:00 - 11:00:00	6	3	7	2	6	2.1	281	-0.5	78	990.1
02/10/2022	11:00:00 - 11:15:00	4	2	5	1	4	2.2	269	-0.4	78	990.1
02/10/2022	11:15:00 - 11:30:00	3	2	4	1	3	2.7	286	-0.4	77	990.0
02/10/2022	11:30:00 - 11:45:00	3	2	4	1	3	2.2	272	-0.2	76	989.8
02/10/2022	11:45:00 - 12:00:00	3	2	4	1	3	2.8	269	-0.4	78	989.7
02/10/2022	12:00:00 - 12:15:00	3	2	5	1	4	2.0	266	-0.3	78	989.6
02/10/2022	12:15:00 - 12:30:00	4	3	5	1	4	2.6	275	-0.6	80	989.5
02/10/2022	12:30:00 - 12:45:00	4	3	5	1	4	2.4	272	-0.7	81	989.3
02/10/2022	12:45:00 - 13:00:00	4	3	5	1	4	2.2	282	-0.6	80	989.2
02/10/2022	13:00:00 - 13:15:00	4	3	5	1	4	2.9	280	-0.7	81	989.0
02/10/2022	13:15:00 - 13:30:00	4	2	5	1	4	2.5	262	-0.9	81	988.8
02/10/2022	13:30:00 - 13:45:00	3	2	5	1	4	2.5	269	-0.6	78	988.6
02/10/2022	13:45:00 - 14:00:00	3	2	4	1	3	3.1	271	-0.6	78	988.4
02/10/2022	14:00:00 - 14:15:00	3	2	4	1	3	2.4	263	-0.3	77	988.4
02/10/2022	14:15:00 - 14:30:00	3	2	5	1	4	2.2	257	-0.4	78	988.6
02/10/2022	14:30:00 - 14:45:00	4	2	5	1	4	2.0	262	-0.4	79	988.6
02/10/2022	14:45:00 - 15:00:00	5	3	5	1	5	2.1	265	-0.5	80	988.6
02/10/2022	15:00:00 - 15:15:00	4	3	5	1	5	1.9	266	-0.4	80	988.5
02/10/2022	15:15:00 - 15:30:00	4	3	5	1	4	1.6	252	-0.4	80	988.4
02/10/2022	15:30:00 - 15:45:00	3	2	5	1	4	1.7	257	-0.4	79	988.2
02/10/2022	15:45:00 - 16:00:00	3	2	5	1	4	1.8	241	-0.6	80	987.9
02/10/2022	16:00:00 - 16:15:00	5	2	6	1	5	1.5	229	-0.6	80	987.5
02/10/2022	16:15:00 - 16:30:00	13	6	12	3	12	1.8	205	-0.6	80	987.3
02/10/2022	16:30:00 - 16:45:00	15	6	13	3	14	1.9	215	-0.6	81	987.2
02/10/2022	16:45:00 - 17:00:00	13	5	11	3	12	1.6	212	-0.6	82	987.3
02/10/2022	17:00:00 - 17:15:00	8	4	8	2	8	2.6	209	-0.8	83	987.4
02/10/2022	17:15:00 - 17:30:00	7	3	7	2	7	1.7	202	-1.0	84	987.2
02/10/2022	17:30:00 - 17:45:00	7	3	7	2	7	1.4	204	-1.2	85	986.9
02/10/2022	17:45:00 - 18:00:00	7	4	7	2	8	1.1	199	-1.5	86	986.5
02/10/2022	18:00:00 - 18:15:00	8	4	8	2	9	1.5	196	-1.5	86	986.4
02/10/2022	18:15:00 - 18:30:00	8	4	8	2	9	1.3	186	-1.6	87	986.3
02/10/2022	18:30:00 - 18:45:00	8	4	8	2	9	1.0	184	-1.6	88	986.3
02/10/2022	18:45:00 - 19:00:00	8	4	8	2	9	1.1	170	-1.6	88	986.1
02/10/2022	19:00:00 - 19:15:00	9	4	9	2	10	0.9	148	-1.8	88	985.7
02/10/2022	19:15:00 - 19:30:00	9	4	9	2	10	0.7	152	-2.0	89	985.4
02/10/2022	19:30:00 - 19:45:00	9	4	9	2	10	1.0	153	-2.0	89	985.3
02/10/2022	19:45:00 - 20:00:00	11	5	10	3	11	1.0	163	-2.0	90	984.9
02/10/2022	20:00:00 - 20:15:00	12	5	11	3	13	0.9	167	-1.9	90	984.6
02/10/2022	20:15:00 - 20:30:00	12	5	11	3	13	1.0	175	-2.1	90	984.5
02/10/2022	20:30:00 - 20:45:00	11	Offline	10	3	12	0.9	172	-2.2	90	984.6
02/10/2022	20:45:00 - 21:00:00	10	Offline	10	3	11	1.0	159	-2.0	90	984.3
02/10/2022	21:00:00 - 21:15:00	9	Offline	9	2	10	1.1	160	-1.7	89	983.8
02/10/2022	21:15:00 - 21:30:00	9	Offline	9	2	10	1.2	158	-1.7	88	983.4
02/10/2022	21:30:00 - 21:45:00	9	Offline	9	2	10	1.1	154	-1.5	88	983.1
02/10/2022	21:45:00 - 22:00:00	9	Offline	9	2	10	1.2	162	-1.3	87	982.4
02/10/2022	22:00:00 - 22:15:00	9	Offline	9	2	10	1.3	169	-1.0	87	982.0
02/10/2022	22:15:00 - 22:30:00	10	Offline	10	3	10	1.4	166	-0.3	85	981.6

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM					Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/10/2022	22:30:00 - 22:45:00	10	Offline	10	3	11	1.6	173	0.8	82	981.4
02/10/2022	22:45:00 - 23:00:00	10	Offline	9	3	10	2.0	179	1.0	80	981.3
02/10/2022	23:00:00 - 23:15:00	9	Offline	9	2	9	2.2	182	1.5	78	981.2
02/10/2022	23:15:00 - 23:30:00	9	Offline	9	2	10	2.3	185	1.5	79	981.0
02/10/2022	23:30:00 - 23:45:00	9	Offline	9	2	10	2.9	191	1.7	78	981.0
02/11/2022	23:45:00 - 00:00:00	9	Offline	9	2	9	2.4	185	1.8	78	980.9
02/11/2022	00:00:00 - 00:15:00	8	Offline	8	2	9	1.9	178	2.1	78	980.8
02/11/2022	00:15:00 - 00:30:00	8	Offline	8	2	9	1.8	175	2.4	77	980.4
02/11/2022	00:30:00 - 00:45:00	8	Offline	8	2	8	2.0	185	2.4	78	980.0
02/11/2022	00:45:00 - 01:00:00	8	Offline	8	2	8	2.0	177	2.3	78	979.7
02/11/2022	01:00:00 - 01:15:00	7	Offline	7	2	8	1.9	178	2.6	77	979.4
02/11/2022	01:15:00 - 01:30:00	6	Offline	7	2	7	3.1	203	3.1	76	979.1
02/11/2022	01:30:00 - 01:45:00	6	Offline	7	2	7	3.6	202	3.2	76	978.8
02/11/2022	01:45:00 - 02:00:00	6	Offline	7	2	7	3.2	199	3.0	77	978.6
02/11/2022	02:00:00 - 02:15:00	5	Offline	6	2	6	3.2	193	3.1	77	978.3
02/11/2022	02:15:00 - 02:30:00	5	Offline	6	1	6	3.2	197	3.3	77	978.1
02/11/2022	02:30:00 - 02:45:00	5	Offline	5	1	5	2.5	192	3.5	77	977.9
02/11/2022	02:45:00 - 03:00:00	4	Offline	5	1	5	3.2	192	3.7	76	977.4
02/11/2022	03:00:00 - 03:15:00	4	Offline	5	1	5	2.4	201	3.9	76	977.2
02/11/2022	03:15:00 - 03:30:00	4	Offline	5	1	5	2.5	211	4.0	76	977.1
02/11/2022	03:30:00 - 03:45:00	4	Offline	5	1	4	2.6	217	3.9	76	977.1
02/11/2022	03:45:00 - 04:00:00	3	Offline	4	1	4	2.4	211	4.0	75	977.0
02/11/2022	04:00:00 - 04:15:00	3	Offline	4	1	4	1.8	217	3.8	77	977.0
02/11/2022	04:15:00 - 04:30:00	3	Offline	4	1	3	2.1	207	3.5	81	977.0
02/11/2022	04:30:00 - 04:45:00	3	Offline	4	1	4	2.0	206	3.1	85	976.8
02/11/2022	04:45:00 - 05:00:00	3	Offline	4	1	3	1.9	191	2.8	88	976.5
02/11/2022	05:00:00 - 05:15:00	3	Offline	4	1	3	3.5	202	3.1	88	976.2
02/11/2022	05:15:00 - 05:30:00	3	Offline	4	1	3	2.9	202	3.3	87	976.2
02/11/2022	05:30:00 - 05:45:00	3	Offline	4	1	3	3.2	203	3.3	87	976.4
02/11/2022	05:45:00 - 06:00:00	3	Offline	4	Offline	3	2.8	195	3.2	88	976.6
02/11/2022	06:00:00 - 06:15:00	3	Offline	4	Offline	3	3.3	201	3.0	89	976.6
02/11/2022	06:15:00 - 06:30:00	3	Offline	4	Offline	3	2.7	211	2.9	91	976.7
02/11/2022	06:30:00 - 06:45:00	3	Offline	4	Offline	3	2.6	207	2.8	91	976.7
02/11/2022	06:45:00 - 07:00:00	3	Offline	4	Offline	4	2.5	210	2.7	93	976.6
02/11/2022	07:00:00 - 07:15:00	3	Offline	4	Offline	4	2.6	220	2.5	94	976.7
02/11/2022	07:15:00 - 07:30:00	3	2	4	Offline	3	2.7	214	2.5	96	976.9
02/11/2022	07:30:00 - 07:45:00	3	2	4	Offline	4	2.9	208	2.4	96	976.9
02/11/2022	07:45:00 - 08:00:00	3	2	4	Offline	3	2.8	208	2.4	96	977.0
02/11/2022	08:00:00 - 08:15:00	4	2	4	Offline	4	1.8	228	2.3	97	977.1
02/11/2022	08:15:00 - 08:30:00	3	2	4	1	3	2.1	227	2.3	97	977.2
02/11/2022	08:30:00 - 08:45:00	3	2	4	1	4	2.0	230	2.3	97	977.3
02/11/2022	08:45:00 - 09:00:00	3	2	4	1	4	2.1	227	2.3	97	977.3
02/11/2022	09:00:00 - 09:15:00	3	2	4	1	4	1.9	219	2.3	97	977.5
02/11/2022	09:15:00 - 09:30:00	4	3	5	1	4	1.7	235	2.6	98	977.7
02/11/2022	09:30:00 - 09:45:00	4	3	5	1	4	1.8	238	2.7	98	977.9
02/11/2022	09:45:00 - 10:00:00	4	3	5	1	4	1.9	231	2.7	99	978.0
02/11/2022	10:00:00 - 10:15:00	4	3	5	1	4	1.8	229	2.6	99	978.1
02/11/2022	10:15:00 - 10:30:00	4	3	5	1	4	2.1	255	2.6	99	978.2
02/11/2022	10:30:00 - 10:45:00	4	3	5	1	5	2.3	258	2.7	99	978.3
02/11/2022	10:45:00 - 11:00:00	5	3	5	1	4	2.0	260	2.9	99	978.4
02/11/2022	11:00:00 - 11:15:00	4	2	5	1	4	2.7	261	3.0	99	978.5
02/11/2022	11:15:00 - 11:30:00	3	2	4	1	4	2.8	265	3.1	99	978.4
02/11/2022	11:30:00 - 11:45:00	3	2	4	1	3	2.5	262	3.2	99	978.3
02/11/2022	11:45:00 - 12:00:00	3	2	4	1	3	15.0	146	3.4	98	978.3
02/11/2022	12:00:00 - 12:15:00	3	2	4	1	3	2.9	279	3.8	98	978.4
02/11/2022	12:15:00 - 12:30:00	3	2	4	1	3	17.0	313	4.0	96	978.2
02/11/2022	12:30:00 - 12:45:00	3	2	4	1	3	1.6	231	4.2	95	978.2
02/11/2022	12:45:00 - 13:00:00	3	2	4	1	3	1.6	228	4.4	94	978.2
02/11/2022	13:00:00 - 13:15:00	3	2	4	1	3	1.6	227	4.3	93	978.4
02/11/2022	13:15:00 - 13:30:00	4	2	4	1	3	1.4	226	4.1	93	978.8
02/11/2022	13:30:00 - 13:45:00	4	2	5	1	4	2.2	231	4.1	93	979.0
02/11/2022	13:45:00 - 14:00:00	4	2	5	1	4	2.1	227	4.2	93	979.1

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Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/11/2022	14:00:00 - 14:15:00	5	2	5	1	4	2.1	239	4.5	92	979.3
02/11/2022	14:15:00 - 14:30:00	5	2	5	1	4	2.5	247	4.9	90	979.5
02/11/2022	14:30:00 - 14:45:00	5	2	5	1	4	2.0	234	4.9	90	979.9
02/11/2022	14:45:00 - 15:00:00	4	2	4	1	4	2.4	232	4.7	90	980.2
02/11/2022	15:00:00 - 15:15:00	5	2	4	1	4	2.2	238	4.8	90	980.5
02/11/2022	15:15:00 - 15:30:00	5	2	5	1	4	1.9	243	4.6	91	980.6
02/11/2022	15:30:00 - 15:45:00	5	2	5	1	4	1.9	234	4.4	91	980.8
02/11/2022	15:45:00 - 16:00:00	5	2	5	1	4	2.0	226	4.2	92	980.8
02/11/2022	16:00:00 - 16:15:00	5	2	5	1	5	1.4	227	4.0	93	981.1
02/11/2022	16:15:00 - 16:30:00	5	2	5	1	5	1.4	220	4.0	93	981.3
02/11/2022	16:30:00 - 16:45:00	5	2	5	1	5	1.9	203	3.8	93	981.6
02/11/2022	16:45:00 - 17:00:00	4	2	5	1	4	1.4	211	3.8	93	981.9
02/11/2022	17:00:00 - 17:15:00	4	2	5	1	4	1.0	214	3.5	94	982.1
02/11/2022	17:15:00 - 17:30:00	5	2	5	1	5	1.3	209	3.1	95	982.4
02/11/2022	17:30:00 - 17:45:00	5	2	5	1	5	1.2	214	3.1	96	982.6
02/11/2022	17:45:00 - 18:00:00	5	3	5	1	5	1.3	225	3.1	96	982.9
02/11/2022	18:00:00 - 18:15:00	5	3	6	2	5	3.0	276	2.6	97	984.0
02/11/2022	18:15:00 - 18:30:00	4	2	5	1	4	2.0	285	1.9	97	984.4
02/11/2022	18:30:00 - 18:45:00	4	2	5	1	4	1.7	296	2.3	93	984.9
02/11/2022	18:45:00 - 19:00:00	3	2	5	1	4	1.8	318	2.2	89	985.1
02/11/2022	19:00:00 - 19:15:00	3	2	4	1	4	2.0	301	2.1	86	985.4
02/11/2022	19:15:00 - 19:30:00	3	2	4	1	4	2.9	305	1.8	83	985.9
02/11/2022	19:30:00 - 19:45:00	3	2	4	1	3	2.8	297	1.2	82	986.2
02/11/2022	19:45:00 - 20:00:00	3	2	4	1	4	2.0	282	1.0	83	986.4
02/11/2022	20:00:00 - 20:15:00	3	2	4	1	3	3.3	286	0.7	78	986.7
02/11/2022	20:15:00 - 20:30:00	3	2	4	1	3	3.3	297	0.3	79	987.1
02/11/2022	20:30:00 - 20:45:00	4	2	5	1	5	3.3	307	-0.4	80	987.6
02/11/2022	20:45:00 - 21:00:00	4	3	5	1	5	3.6	314	-1.3	81	988.1
02/11/2022	21:00:00 - 21:15:00	4	2	5	1	4	4.1	322	-1.9	82	988.5
02/11/2022	21:15:00 - 21:30:00	4	2	5	1	4	3.7	316	-2.3	81	988.8
02/11/2022	21:30:00 - 21:45:00	4	3	5	1	5	3.3	317	-2.5	80	989.2
02/11/2022	21:45:00 - 22:00:00	4	3	5	1	5	2.6	297	-2.6	81	989.5
02/11/2022	22:00:00 - 22:15:00	4	3	5	1	5	2.6	290	-2.8	82	990.0
02/11/2022	22:15:00 - 22:30:00	5	3	6	2	6	3.4	296	-3.0	82	990.2
02/11/2022	22:30:00 - 22:45:00	5	3	6	2	6	3.2	296	-3.1	82	990.3
02/11/2022	22:45:00 - 23:00:00	6	3	7	2	6	3.5	302	-3.1	83	990.6
02/11/2022	23:00:00 - 23:15:00	7	4	8	2	8	3.7	306	-3.1	82	990.8
02/11/2022	23:15:00 - 23:30:00	8	4	8	2	8	3.2	305	-3.1	82	991.1
02/11/2022	23:30:00 - 23:45:00	7	4	8	2	8	3.4	289	-3.3	82	991.3
02/12/2022	23:45:00 - 00:00:00	8	4	8	2	8	3.2	304	-3.4	82	991.7
02/12/2022	00:00:00 - 00:15:00	8	4	8	2	9	3.4	301	-3.6	81	991.9
02/12/2022	00:15:00 - 00:30:00	7	4	7	2	7	3.3	299	-3.7	80	992.2
02/12/2022	00:30:00 - 00:45:00	7	4	7	2	7	3.2	296	-3.8	80	992.5
02/12/2022	00:45:00 - 01:00:00	6	4	7	2	7	3.0	301	-4.0	81	992.6
02/12/2022	01:00:00 - 01:15:00	8	4	8	2	9	3.5	303	-4.3	81	992.6
02/12/2022	01:15:00 - 01:30:00	8	4	8	2	9	2.8	304	-4.6	81	992.7
02/12/2022	01:30:00 - 01:45:00	8	4	8	2	8	2.7	298	-4.7	81	993.1
02/12/2022	01:45:00 - 02:00:00	8	4	8	2	8	3.2	296	-4.9	81	993.4
02/12/2022	02:00:00 - 02:15:00	8	4	8	2	8	3.5	306	-5.0	81	993.7
02/12/2022	02:15:00 - 02:30:00	8	4	8	2	8	3.1	307	-5.2	81	994.0
02/12/2022	02:30:00 - 02:45:00	7	4	7	2	8	3.5	311	-5.3	81	994.1
02/12/2022	02:45:00 - 03:00:00	8	4	7	2	8	3.3	298	-5.4	81	994.4
02/12/2022	03:00:00 - 03:15:00	8	4	8	2	8	3.4	305	-5.7	80	994.5
02/12/2022	03:15:00 - 03:30:00	7	4	7	2	8	3.1	307	-5.9	81	994.4
02/12/2022	03:30:00 - 03:45:00	7	4	7	2	8	3.0	309	-6.0	81	994.5
02/12/2022	03:45:00 - 04:00:00	7	4	7	2	7	3.3	302	-6.1	81	995.1
02/12/2022	04:00:00 - 04:15:00	6	3	6	2	6	3.1	309	-6.2	80	995.5
02/12/2022	04:15:00 - 04:30:00	6	3	6	2	6	3.6	316	-6.3	80	995.5
02/12/2022	04:30:00 - 04:45:00	6	3	6	2	6	3.5	310	-6.4	81	995.5
02/12/2022	04:45:00 - 05:00:00	6	3	6	2	6	3.3	297	-6.4	81	996.2
02/12/2022	05:00:00 - 05:15:00	6	3	6	2	6	3.0	307	-6.4	81	996.6
02/12/2022	05:15:00 - 05:30:00	6	3	6	2	6	2.9	312	-6.5	81	996.6

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/12/2022	05:30:00 - 05:45:00	6	3	6	2	6	3.0	307	-6.6	81	996.4
02/12/2022	05:45:00 - 06:00:00	6	3	6	2	6	3.6	300	-6.6	82	997.0
02/12/2022	06:00:00 - 06:15:00	6	3	6	2	6	3.1	303	-6.6	82	997.5
02/12/2022	06:15:00 - 06:30:00	6	3	6	2	7	3.2	312	-6.7	82	997.7
02/12/2022	06:30:00 - 06:45:00	6	3	6	2	6	2.9	311	-6.7	83	997.9
02/12/2022	06:45:00 - 07:00:00	5	3	6	2	6	2.8	306	-6.6	84	998.1
02/12/2022	07:00:00 - 07:15:00	5	3	6	1	6	2.7	322	-6.5	83	998.2
02/12/2022	07:15:00 - 07:30:00	5	3	6	1	6	3.2	323	-6.6	81	998.4
02/12/2022	07:30:00 - 07:45:00	5	3	6	1	5	2.8	322	-6.7	81	998.4
02/12/2022	07:45:00 - 08:00:00	5	3	6	1	5	3.1	321	-6.8	81	998.6
02/12/2022	08:00:00 - 08:15:00	5	3	6	1	5	3.3	316	-6.9	81	999.0
02/12/2022	08:15:00 - 08:30:00	5	3	6	1	6	2.7	311	-6.9	83	999.2
02/12/2022	08:30:00 - 08:45:00	5	3	6	1	6	2.8	318	-7.0	84	999.2
02/12/2022	08:45:00 - 09:00:00	5	3	6	2	6	2.8	325	-7.0	85	999.5
02/12/2022	09:00:00 - 09:15:00	5	3	6	1	5	3.2	333	-7.0	82	999.6
02/12/2022	09:15:00 - 09:30:00	4	3	5	1	5	3.4	332	-7.0	78	1000.0
02/12/2022	09:30:00 - 09:45:00	4	2	5	1	5	3.2	338	-7.0	78	1000.2
02/12/2022	09:45:00 - 10:00:00	3	2	4	1	4	3.1	333	-7.1	76	1000.3
02/12/2022	10:00:00 - 10:15:00	3	2	4	1	4	2.4	342	-7.1	76	1000.6
02/12/2022	10:15:00 - 10:30:00	3	2	4	1	4	2.7	337	-7.2	78	1000.7
02/12/2022	10:30:00 - 10:45:00	3	2	5	1	4	2.7	339	-7.3	77	1000.7
02/12/2022	10:45:00 - 11:00:00	3	2	5	1	4	2.1	337	-6.9	78	1000.6
02/12/2022	11:00:00 - 11:15:00	3	2	5	1	4	2.4	332	-6.9	78	1000.7
02/12/2022	11:15:00 - 11:30:00	3	3	5	1	5	2.8	330	-6.9	75	1000.7
02/12/2022	11:30:00 - 11:45:00	3	3	5	1	4	3.2	330	-7.3	76	1000.9
02/12/2022	11:45:00 - 12:00:00	3	3	5	1	5	2.7	309	-7.1	72	1000.8
02/12/2022	12:00:00 - 12:15:00	4	3	5	1	5	2.8	319	-7.2	73	1000.8
02/12/2022	12:15:00 - 12:30:00	4	3	5	1	5	3.2	328	-7.2	74	1000.9
02/12/2022	12:30:00 - 12:45:00	4	3	5	1	5	2.5	305	-7.3	73	1000.7
02/12/2022	12:45:00 - 13:00:00	4	3	5	1	5	2.6	306	-7.4	72	1000.7
02/12/2022	13:00:00 - 13:15:00	4	3	5	1	5	2.3	318	-7.5	73	1000.7
02/12/2022	13:15:00 - 13:30:00	4	3	5	1	5	2.6	320	-7.4	71	1000.6
02/12/2022	13:30:00 - 13:45:00	4	3	5	1	5	2.4	323	-7.5	71	1000.3
02/12/2022	13:45:00 - 14:00:00	4	3	5	1	5	2.2	322	-7.4	71	1000.0
02/12/2022	14:00:00 - 14:15:00	4	3	5	1	5	2.5	308	-7.6	72	999.8
02/12/2022	14:15:00 - 14:30:00	4	3	5	1	5	2.2	319	-7.6	73	999.8
02/12/2022	14:30:00 - 14:45:00	4	3	6	1	5	2.7	318	-7.7	73	999.8
02/12/2022	14:45:00 - 15:00:00	4	3	6	1	5	2.4	308	-7.7	72	999.8
02/12/2022	15:00:00 - 15:15:00	4	3	6	1	5	2.6	308	-7.8	72	1000.0
02/12/2022	15:15:00 - 15:30:00	5	3	6	1	5	2.2	285	-7.8	71	1000.0
02/12/2022	15:30:00 - 15:45:00	5	3	6	1	6	2.2	289	-7.9	71	1000.1
02/12/2022	15:45:00 - 16:00:00	6	3	6	2	6	2.1	303	-8.1	72	1000.1
02/12/2022	16:00:00 - 16:15:00	5	4	6	1	6	1.7	286	-8.0	72	1000.1
02/12/2022	16:15:00 - 16:30:00	5	3	6	1	6	2.1	303	-8.2	72	1000.2
02/12/2022	16:30:00 - 16:45:00	5	3	6	1	5	1.9	290	-8.4	71	1000.2
02/12/2022	16:45:00 - 17:00:00	4	3	6	1	5	1.9	316	-8.3	71	1000.1
02/12/2022	17:00:00 - 17:15:00	4	3	6	1	5	2.2	323	-8.4	71	1000.1
02/12/2022	17:15:00 - 17:30:00	4	3	6	1	5	1.7	316	-8.4	72	1000.2
02/12/2022	17:30:00 - 17:45:00	4	3	6	1	5	1.7	305	-8.4	72	1000.3
02/12/2022	17:45:00 - 18:00:00	5	3	6	2	6	1.7	319	-8.3	73	1000.5
02/12/2022	18:00:00 - 18:15:00	5	4	6	2	6	1.9	315	-8.3	72	1000.7
02/12/2022	18:15:00 - 18:30:00	9	5	9	2	9	2.4	306	-8.4	76	1000.9
02/12/2022	18:30:00 - 18:45:00	9	5	9	2	9	2.4	310	-8.5	79	1001.0
02/12/2022	18:45:00 - 19:00:00	9	5	9	2	10	2.0	302	-8.6	79	1000.8
02/12/2022	19:00:00 - 19:15:00	10	5	9	2	10	1.8	305	-8.5	77	1000.5
02/12/2022	19:15:00 - 19:30:00	9	5	9	2	9	1.6	307	-8.5	75	1000.3
02/12/2022	19:30:00 - 19:45:00	10	5	9	2	10	1.9	290	-8.7	77	1000.3
02/12/2022	19:45:00 - 20:00:00	9	4	9	2	9	1.8	286	-8.8	77	1000.5
02/12/2022	20:00:00 - 20:15:00	8	4	8	2	8	1.8	288	-9.0	77	1000.9
02/12/2022	20:15:00 - 20:30:00	8	4	8	2	8	1.6	288	-9.1	77	1001.0
02/12/2022	20:30:00 - 20:45:00	9	5	9	2	9	1.7	289	-9.1	77	1001.0
02/12/2022	20:45:00 - 21:00:00	9	5	9	2	9	1.4	294	-9.1	77	1000.9

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Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM					Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/12/2022	21:00:00 - 21:15:00	8	5	9	2	9	1.2	291	-9.1	77	1000.8
02/12/2022	21:15:00 - 21:30:00	8	5	8	2	9	1.3	297	-9.2	78	1000.9
02/12/2022	21:30:00 - 21:45:00	8	5	8	2	Offline	1.4	299	-9.1	77	1000.8
02/12/2022	21:45:00 - 22:00:00	8	4	8	2	Offline	1.3	301	-9.1	77	1000.9
02/12/2022	22:00:00 - 22:15:00	8	5	8	2	Offline	1.1	304	-9.1	77	1000.9
02/12/2022	22:15:00 - 22:30:00	7	4	7	2	Offline	1.1	309	-9.1	76	1000.9
02/12/2022	22:30:00 - 22:45:00	6	4	7	2	Offline	1.0	309	-9.2	76	1000.8
02/12/2022	22:45:00 - 23:00:00	6	4	6	2	Offline	0.8	318	-9.2	75	1000.8
02/12/2022	23:00:00 - 23:15:00	6	4	7	2	Offline	0.9	307	-9.1	74	1000.8
02/12/2022	23:15:00 - 23:30:00	6	4	7	2	Offline	0.7	302	-9.2	75	1000.7
02/12/2022	23:30:00 - 23:45:00	6	3	7	2	Offline	0.4	300	-9.1	76	1000.6
02/13/2022	23:45:00 - 00:00:00	6	3	6	2	Offline	0.9	293	-9.0	76	1000.7
02/13/2022	00:00:00 - 00:15:00	6	4	6	2	Offline	0.9	289	-9.0	76	1000.5
02/13/2022	00:15:00 - 00:30:00	5	3	6	2	Offline	0.4	287	-9.3	77	1000.4
02/13/2022	00:30:00 - 00:45:00	6	3	6	2	Offline	0.3	296	-9.4	77	1000.3
02/13/2022	00:45:00 - 01:00:00	6	3	7	2	Offline	0.4	326	-9.8	79	1000.2
02/13/2022	01:00:00 - 01:15:00	6	3	7	2	Offline	0.3	324	-9.9	80	1000.1
02/13/2022	01:15:00 - 01:30:00	5	3	6	2	Offline	0.3	305	-9.9	82	1000.1
02/13/2022	01:30:00 - 01:45:00	5	3	6	2	Offline	0.5	298	-9.8	82	1000.0
02/13/2022	01:45:00 - 02:00:00	5	3	6	2	Offline	0.3	285	-9.8	81	999.8
02/13/2022	02:00:00 - 02:15:00	5	3	6	2	Offline	0.5	267	-9.7	81	999.6
02/13/2022	02:15:00 - 02:30:00	5	3	6	2	Offline	0.6	256	-9.7	81	999.4
02/13/2022	02:30:00 - 02:45:00	5	3	6	2	Offline	0.7	245	-9.6	81	999.2
02/13/2022	02:45:00 - 03:00:00	5	3	7	2	Offline	0.7	250	-9.7	82	999.0
02/13/2022	03:00:00 - 03:15:00	6	3	7	Offline	Offline	0.7	248	-9.8	83	998.9
02/13/2022	03:15:00 - 03:30:00	6	3	7	Offline	Offline	0.7	251	-9.8	83	998.7
02/13/2022	03:30:00 - 03:45:00	6	3	7	Offline	Offline	0.9	249	-9.7	82	998.4
02/13/2022	03:45:00 - 04:00:00	6	3	7	Offline	Offline	0.8	259	-9.9	83	998.4
02/13/2022	04:00:00 - 04:15:00	7	4	7	Offline	Offline	0.6	269	-10.0	84	998.3
02/13/2022	04:15:00 - 04:30:00	7	4	7	Offline	Offline	0.7	300	-10.2	85	998.3
02/13/2022	04:30:00 - 04:45:00	8	4	8	Offline	Offline	0.6	283	-10.4	86	998.4
02/13/2022	04:45:00 - 05:00:00	7	4	7	Offline	Offline	0.5	265	-10.4	87	998.4
02/13/2022	05:00:00 - 05:15:00	7	4	7	Offline	Offline	0.6	278	-10.4	88	998.4
02/13/2022	05:15:00 - 05:30:00	7	4	7	Offline	Offline	0.6	295	-10.5	88	998.6
02/13/2022	05:30:00 - 05:45:00	8	4	7	Offline	Offline	0.4	294	-10.6	89	998.5
02/13/2022	05:45:00 - 06:00:00	8	4	7	Offline	Offline	0.6	281	-10.4	89	998.6
02/13/2022	06:00:00 - 06:15:00	8	4	7	Offline	Offline	0.4	260	-10.2	89	998.3
02/13/2022	06:15:00 - 06:30:00	8	4	7	Offline	Offline	0.7	275	-10.1	88	998.2
02/13/2022	06:30:00 - 06:45:00	8	4	7	Offline	Offline	0.7	277	-9.9	87	998.4
02/13/2022	06:45:00 - 07:00:00	8	4	8	Offline	Offline	0.5	289	-10.0	88	998.5
02/13/2022	07:00:00 - 07:15:00	7	4	8	Offline	Offline	0.5	280	-9.8	87	998.5
02/13/2022	07:15:00 - 07:30:00	8	4	8	Offline	Offline	0.3	268	-9.4	87	998.5
02/13/2022	07:30:00 - 07:45:00	7	3	7	Offline	Offline	0.6	257	-9.1	86	998.6
02/13/2022	07:45:00 - 08:00:00	7	3	7	Offline	Offline	0.8	232	-8.9	85	998.4
02/13/2022	08:00:00 - 08:15:00	6	3	7	Offline	Offline	0.7	229	-8.6	86	998.2
02/13/2022	08:15:00 - 08:30:00	6	3	7	Offline	Offline	0.8	245	-8.3	86	998.1
02/13/2022	08:30:00 - 08:45:00	6	3	7	Offline	Offline	1.1	246	-8.1	85	998.0
02/13/2022	08:45:00 - 09:00:00	5	3	6	Offline	Offline	1.1	239	-7.9	85	997.9
02/13/2022	09:00:00 - 09:15:00	5	3	6	Offline	Offline	1.0	229	-7.9	85	997.9
02/13/2022	09:15:00 - 09:30:00	5	3	6	Offline	Offline	0.7	227	-7.7	86	997.9
02/13/2022	09:30:00 - 09:45:00	5	3	6	Offline	Offline	0.8	270	-7.5	85	997.9
02/13/2022	09:45:00 - 10:00:00	5	3	6	Offline	Offline	0.5	253	-7.2	85	997.9
02/13/2022	10:00:00 - 10:15:00	5	3	6	Offline	Offline	0.9	274	-7.2	85	997.9
02/13/2022	10:15:00 - 10:30:00	5	3	6	Offline	Offline	0.7	257	-7.0	86	997.8
02/13/2022	10:30:00 - 10:45:00	5	3	6	Offline	Offline	0.7	274	-6.8	87	997.9
02/13/2022	10:45:00 - 11:00:00	5	3	7	Offline	Offline	0.8	282	-6.6	86	997.9
02/13/2022	11:00:00 - 11:15:00	6	3	7	Offline	Offline	1.0	273	-6.5	86	998.0
02/13/2022	11:15:00 - 11:30:00	6	4	7	Offline	Offline	1.3	302	-6.6	87	997.8
02/13/2022	11:30:00 - 11:45:00	6	4	7	Offline	Offline	0.9	320	-6.4	88	997.7
02/13/2022	11:45:00 - 12:00:00	7	3	7	Offline	Offline	1.1	353	-6.4	88	997.6
02/13/2022	12:00:00 - 12:15:00	7	3	8	Offline	Offline	1.6	336	-7.2	90	997.5
02/13/2022	12:15:00 - 12:30:00	7	4	8	Offline	Offline	1.6	331	-7.3	91	997.4

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/13/2022	12:30:00 - 12:45:00	6	3	7	Offline	Offline	1.9	338	-7.3	90	997.4
02/13/2022	12:45:00 - 13:00:00	6	3	7	Offline	Offline	1.7	352	-7.3	90	997.4
02/13/2022	13:00:00 - 13:15:00	7	6	8	Offline	Offline	2.3	347	-7.5	89	997.4
02/13/2022	13:15:00 - 13:30:00	6	3	7	Offline	Offline	2.2	338	-7.5	87	997.4
02/13/2022	13:30:00 - 13:45:00	5	3	6	Offline	Offline	2.8	339	-7.7	85	997.5
02/13/2022	13:45:00 - 14:00:00	5	3	6	Offline	Offline	3.2	336	-7.9	83	997.5
02/13/2022	14:00:00 - 14:15:00	5	3	6	Offline	Offline	3.1	332	-7.8	82	997.5
02/13/2022	14:15:00 - 14:30:00	5	3	6	Offline	Offline	3.2	331	-8.1	81	997.5
02/13/2022	14:30:00 - 14:45:00	5	3	6	Offline	Offline	3.1	341	-8.2	81	997.6
02/13/2022	14:45:00 - 15:00:00	5	3	6	Offline	Offline	2.8	342	-8.0	82	997.8
02/13/2022	15:00:00 - 15:15:00	5	3	7	Offline	Offline	3.3	340	-8.2	80	998.0
02/13/2022	15:15:00 - 15:30:00	5	3	6	Offline	Offline	3.5	339	-8.6	76	998.1
02/13/2022	15:30:00 - 15:45:00	4	3	6	Offline	Offline	3.5	334	-8.7	75	998.2
02/13/2022	15:45:00 - 16:00:00	5	3	6	Offline	Offline	3.2	337	-8.8	74	998.3
02/13/2022	16:00:00 - 16:15:00	6	3	7	Offline	Offline	2.8	338	-9.1	74	998.3
02/13/2022	16:15:00 - 16:30:00	7	3	7	Offline	Offline	3.0	333	-9.2	74	998.6
02/13/2022	16:30:00 - 16:45:00	6	3	7	Offline	Offline	3.3	335	-9.3	73	998.7
02/13/2022	16:45:00 - 17:00:00	6	3	7	Offline	Offline	3.1	337	-9.3	71	998.8
02/13/2022	17:00:00 - 17:15:00	6	3	7	Offline	Offline	2.6	340	-9.6	70	998.8
02/13/2022	17:15:00 - 17:30:00	6	Offline	7	Offline	Offline	2.2	331	-10.0	70	999.0
02/13/2022	17:30:00 - 17:45:00	6	Offline	7	Offline	Offline	1.8	326	-10.1	71	999.1
02/13/2022	17:45:00 - 18:00:00	6	Offline	7	Offline	Offline	1.6	320	-10.0	72	999.2
02/13/2022	18:00:00 - 18:15:00	7	Offline	7	Offline	Offline	2.1	337	-9.9	73	999.3
02/13/2022	18:15:00 - 18:30:00	7	Offline	8	Offline	Offline	1.8	338	-9.8	75	999.4
02/13/2022	18:30:00 - 18:45:00	8	Offline	8	Offline	Offline	2.4	339	-10.1	76	999.6
02/13/2022	18:45:00 - 19:00:00	8	Offline	8	Offline	Offline	2.0	333	-10.5	77	999.8
02/13/2022	19:00:00 - 19:15:00	9	Offline	8	Offline	Offline	2.1	338	-10.8	79	999.8
02/13/2022	19:15:00 - 19:30:00	10	Offline	9	Offline	Offline	1.7	341	-11.1	81	999.7
02/13/2022	19:30:00 - 19:45:00	10	Offline	10	Offline	Offline	1.3	354	-11.4	82	999.6
02/13/2022	19:45:00 - 20:00:00	10	Offline	9	Offline	Offline	1.3	355	-11.7	82	999.6
02/13/2022	20:00:00 - 20:15:00	11	Offline	10	Offline	Offline	1.1	351	-12.0	82	999.6
02/13/2022	20:15:00 - 20:30:00	11	Offline	10	Offline	Offline	0.9	359	-12.5	83	999.5
02/13/2022	20:30:00 - 20:45:00	12	Offline	10	Offline	Offline	0.8	357	-12.7	83	999.6
02/13/2022	20:45:00 - 21:00:00	12	Offline	10	Offline	Offline	0.6	32	-12.9	84	999.5
02/13/2022	21:00:00 - 21:15:00	12	Offline	10	Offline	Offline	0.4	343	-12.9	84	999.5
02/13/2022	21:15:00 - 21:30:00	12	Offline	11	Offline	Offline	0.5	359	-12.6	84	999.4
02/13/2022	21:30:00 - 21:45:00	13	Offline	11	Offline	Offline	0.6	353	-12.3	83	999.4
02/13/2022	21:45:00 - 22:00:00	14	Offline	12	Offline	Offline	0.5	360	-12.1	83	999.2
02/13/2022	22:00:00 - 22:15:00	13	Offline	11	Offline	Offline	0.5	341	-12.4	83	999.1
02/13/2022	22:15:00 - 22:30:00	12	Offline	11	Offline	Offline	0.4	317	-12.4	83	999.2
02/13/2022	22:30:00 - 22:45:00	13	Offline	11	Offline	Offline	0.8	351	-12.2	84	999.2
02/13/2022	22:45:00 - 23:00:00	12	Offline	11	Offline	Offline	0.8	340	-11.7	82	999.2
02/13/2022	23:00:00 - 23:15:00	12	Offline	10	Offline	Offline	0.9	331	-11.3	80	999.1
02/13/2022	23:15:00 - 23:30:00	11	Offline	10	Offline	Offline	0.9	327	-11.1	78	999.0
02/13/2022	23:30:00 - 23:45:00	11	Offline	10	Offline	Offline	0.7	331	-11.0	77	998.7
02/14/2022	23:45:00 - 00:00:00	10	Offline	10	Offline	Offline	0.8	323	-11.0	76	998.7
02/14/2022	00:00:00 - 00:15:00	10	Offline	9	Offline	Offline	0.6	344	-10.9	76	998.5
02/14/2022	00:15:00 - 00:30:00	12	Offline	11	Offline	Offline	0.6	341	-10.8	75	998.5
02/14/2022	00:30:00 - 00:45:00	14	Offline	13	Offline	Offline	1.0	323	-10.7	78	998.6
02/14/2022	00:45:00 - 01:00:00	14	Offline	12	Offline	Offline	1.3	323	-10.8	78	998.7
02/14/2022	01:00:00 - 01:15:00	13	Offline	12	Offline	Offline	1.1	317	-10.8	78	998.7
02/14/2022	01:15:00 - 01:30:00	13	Offline	11	Offline	Offline	0.9	331	-10.8	79	998.6
02/14/2022	01:30:00 - 01:45:00	11	Offline	10	Offline	Offline	1.0	325	-10.8	77	998.5
02/14/2022	01:45:00 - 02:00:00	11	Offline	10	Offline	Offline	0.9	337	-10.7	78	998.5
02/14/2022	02:00:00 - 02:15:00	11	Offline	10	Offline	Offline	0.6	312	-10.8	78	998.4
02/14/2022	02:15:00 - 02:30:00	12	Offline	10	Offline	Offline	0.6	291	-10.9	78	998.2
02/14/2022	02:30:00 - 02:45:00	11	Offline	10	Offline	Offline	0.6	298	-10.9	79	998.1
02/14/2022	02:45:00 - 03:00:00	11	Offline	10	Offline	Offline	0.9	300	-10.9	78	998.1
02/14/2022	03:00:00 - 03:15:00	11	Offline	10	Offline	Offline	0.5	264	-10.9	78	998.0
02/14/2022	03:15:00 - 03:30:00	11	Offline	10	Offline	Offline	0.8	249	-10.8	78	997.9
02/14/2022	03:30:00 - 03:45:00	11	Offline	10	Offline	Offline	0.7	247	-10.9	78	997.8
02/14/2022	03:45:00 - 04:00:00	12	Offline	11	Offline	Offline	0.1	81	-11.2	79	997.6

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/14/2022	04:00:00 - 04:15:00	14	Offline	12	Offline	Offline	0.1	140	-11.1	81	997.6
02/14/2022	04:15:00 - 04:30:00	13	Offline	12	Offline	Offline	0.2	181	-10.9	81	997.6
02/14/2022	04:30:00 - 04:45:00	13	Offline	11	Offline	Offline	0.3	197	-11.0	81	997.4
02/14/2022	04:45:00 - 05:00:00	13	Offline	12	Offline	Offline	0.1	163	-11.2	81	997.5
02/14/2022	05:00:00 - 05:15:00	13	Offline	12	Offline	Offline	0.1	160	-11.1	82	997.8
02/14/2022	05:15:00 - 05:30:00	13	Offline	11	Offline	Offline	0.5	202	-11.0	81	997.7
02/14/2022	05:30:00 - 05:45:00	12	Offline	11	Offline	Offline	0.4	201	-11.1	81	997.7
02/14/2022	05:45:00 - 06:00:00	12	Offline	11	Offline	Offline	0.2	159	-11.1	81	997.8
02/14/2022	06:00:00 - 06:15:00	12	Offline	11	Offline	Offline	0.4	201	-11.0	81	997.7
02/14/2022	06:15:00 - 06:30:00	12	Offline	11	Offline	Offline	0.3	201	-11.1	81	997.9
02/14/2022	06:30:00 - 06:45:00	12	Offline	11	Offline	Offline	0.4	214	-11.1	82	998.0
02/14/2022	06:45:00 - 07:00:00	13	Offline	11	Offline	Offline	0.0	147	-11.3	82	998.1
02/14/2022	07:00:00 - 07:15:00	13	Offline	12	Offline	Offline	0.2	218	-11.3	83	998.2
02/14/2022	07:15:00 - 07:30:00	13	Offline	11	Offline	Offline	0.2	220	-11.0	82	998.5
02/14/2022	07:30:00 - 07:45:00	12	Offline	11	Offline	Offline	0.4	120	-10.3	80	998.7
02/14/2022	07:45:00 - 08:00:00	12	Offline	10	4	13	0.5	116	-9.8	78	998.8
02/14/2022	08:00:00 - 08:15:00	11	5	10	3	12	0.8	138	-9.3	75	998.5
02/14/2022	08:15:00 - 08:30:00	11	5	10	3	11	0.5	188	-8.7	74	998.5
02/14/2022	08:30:00 - 08:45:00	10	5	12	Offline	10	0.8	151	-8.3	72	998.6
02/14/2022	08:45:00 - 09:00:00	10	Offline	9	Offline	10	0.7	155	-8.1	71	998.8
02/14/2022	09:00:00 - 09:15:00	10	Offline	9	3	10	1.2	199	-7.9	72	999.0
02/14/2022	09:15:00 - 09:30:00	9	Offline	9	3	10	1.1	205	-8.0	72	999.1
02/14/2022	09:30:00 - 09:45:00	9	Offline	9	2	10	0.8	183	-7.3	72	999.2
02/14/2022	09:45:00 - 10:00:00	9	Offline	9	2	10	1.1	198	-6.8	71	999.3
02/14/2022	10:00:00 - 10:15:00	8	Offline	9	2	10	1.2	195	-6.7	70	999.4
02/14/2022	10:15:00 - 10:30:00	9	Offline	9	2	9	1.6	207	-6.6	70	999.5
02/14/2022	10:30:00 - 10:45:00	9	Offline	9	2	9	1.8	207	-6.6	71	999.5
02/14/2022	10:45:00 - 11:00:00	9	Offline	9	2	10	1.2	155	-5.9	69	999.5
02/14/2022	11:00:00 - 11:15:00	9	Offline	9	2	9	0.9	151	-5.0	67	999.4
02/14/2022	11:15:00 - 11:30:00	9	Offline	9	2	9	1.1	167	-5.2	67	999.4
02/14/2022	11:30:00 - 11:45:00	9	4	9	2	9	1.3	137	-4.9	67	999.3
02/14/2022	11:45:00 - 12:00:00	10	4	9	2	10	0.9	158	-4.4	65	999.1
02/14/2022	12:00:00 - 12:15:00	10	4	9	2	9	1.1	138	-3.9	65	998.9
02/14/2022	12:15:00 - 12:30:00	9	4	9	2	9	1.4	121	-3.8	65	998.8
02/14/2022	12:30:00 - 12:45:00	9	4	9	2	9	1.7	114	-4.2	68	998.7
02/14/2022	12:45:00 - 13:00:00	10	4	9	2	9	0.9	162	-3.2	66	998.6
02/14/2022	13:00:00 - 13:15:00	10	4	9	2	10	1.5	135	-3.5	66	998.5
02/14/2022	13:15:00 - 13:30:00	10	4	9	2	9	1.2	167	-3.2	67	998.3
02/14/2022	13:30:00 - 13:45:00	10	4	9	2	10	1.4	130	-3.0	67	998.3
02/14/2022	13:45:00 - 14:00:00	11	4	9	2	9	1.2	169	-2.6	67	998.3
02/14/2022	14:00:00 - 14:15:00	11	4	9	2	9	1.1	161	-2.3	66	998.2
02/14/2022	14:15:00 - 14:30:00	11	4	9	2	9	1.1	173	-1.9	65	998.2
02/14/2022	14:30:00 - 14:45:00	11	4	9	3	10	1.2	154	-1.9	65	998.2
02/14/2022	14:45:00 - 15:00:00	11	4	9	3	10	0.9	162	-1.5	65	998.3
02/14/2022	15:00:00 - 15:15:00	11	4	9	3	10	1.0	167	-1.4	66	998.3
02/14/2022	15:15:00 - 15:30:00	11	4	9	3	10	0.8	164	-1.5	67	998.3
02/14/2022	15:30:00 - 15:45:00	11	4	9	3	10	1.4	118	-1.7	68	998.4
02/14/2022	15:45:00 - 16:00:00	11	4	9	3	10	0.7	162	-1.8	69	998.6
02/14/2022	16:00:00 - 16:15:00	11	4	9	3	11	1.1	124	-1.8	70	998.6
02/14/2022	16:15:00 - 16:30:00	11	5	9	3	11	1.0	115	-1.8	70	998.7
02/14/2022	16:30:00 - 16:45:00	11	5	9	3	11	1.1	113	-1.9	70	998.8
02/14/2022	16:45:00 - 17:00:00	11	5	9	3	12	0.8	136	-1.9	71	999.0
02/14/2022	17:00:00 - 17:15:00	12	5	9	3	12	0.5	137	-2.2	72	999.2
02/14/2022	17:15:00 - 17:30:00	12	5	9	3	13	0.4	126	-2.6	75	999.2
02/14/2022	17:30:00 - 17:45:00	13	5	9	3	13	0.1	91	-3.3	77	999.4
02/14/2022	17:45:00 - 18:00:00	13	6	9	3	14	0.2	57	-3.7	79	999.5
02/14/2022	18:00:00 - 18:15:00	20	8	9	5	22	0.5	31	-3.9	81	999.8
02/14/2022	18:15:00 - 18:30:00	20	10	9	6	20	0.8	76	-4.1	81	999.9
02/14/2022	18:30:00 - 18:45:00	15	11	9	7	17	0.6	75	-4.6	82	1000.0
02/14/2022	18:45:00 - 19:00:00	16	8	9	6	16	0.4	78	-4.5	83	1000.1
02/14/2022	19:00:00 - 19:15:00	22	9	9	7	22	0.4	26	-4.8	83	1000.3
02/14/2022	19:15:00 - 19:30:00	27	11	9	6	26	0.5	46	-5.5	85	1000.3

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1-5					Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/14/2022	19:30:00 - 19:45:00	21	10	9	5	22	0.5	19	-5.7	87	1000.4
02/14/2022	19:45:00 - 20:00:00	28	16	9	7	29	0.4	50	-5.9	88	1000.6
02/14/2022	20:00:00 - 20:15:00	21	11	9	11	24	0.6	54	-5.6	87	1000.6
02/14/2022	20:15:00 - 20:30:00	29	9	9	6	26	0.6	61	-5.4	87	1000.6
02/14/2022	20:30:00 - 20:45:00	32	10	9	6	30	0.5	63	-5.5	87	1000.5
02/14/2022	20:45:00 - 21:00:00	21	8	9	5	21	0.4	82	-5.1	87	1000.7
02/14/2022	21:00:00 - 21:15:00	22	9	9	6	22	0.7	87	-5.0	86	1000.9
02/14/2022	21:15:00 - 21:30:00	23	9	9	6	22	0.9	89	-5.2	86	1000.8
02/14/2022	21:30:00 - 21:45:00	21	8	9	5	21	0.6	101	-5.3	86	1000.8
02/14/2022	21:45:00 - 22:00:00	19	8	9	5	19	0.5	91	-5.5	86	1000.9
02/14/2022	22:00:00 - 22:15:00	18	7	9	5	18	0.6	95	-5.5	85	1001.0
02/14/2022	22:15:00 - 22:30:00	20	8	9	5	19	0.6	68	-5.8	85	1000.9
02/14/2022	22:30:00 - 22:45:00	19	8	9	5	19	0.6	92	-5.7	84	1000.9
02/14/2022	22:45:00 - 23:00:00	20	8	9	5	20	0.6	93	-5.8	84	1000.9
02/14/2022	23:00:00 - 23:15:00	20	9	9	6	20	0.6	56	-6.1	83	1000.9
02/14/2022	23:15:00 - 23:30:00	24	10	9	6	23	0.5	52	-6.9	86	1001.0
02/14/2022	23:30:00 - 23:45:00	24	10	9	6	22	0.6	63	-7.0	87	1001.1
02/15/2022	23:45:00 - 00:00:00	27	11	9	7	25	0.5	47	-7.2	87	1001.1
02/15/2022	00:00:00 - 00:15:00	31	11	9	6	29	0.4	32	-7.5	88	1001.2
02/15/2022	00:15:00 - 00:30:00	28	10	9	7	27	0.6	44	-7.6	88	1001.2
02/15/2022	00:30:00 - 00:45:00	30	10	9	6	29	0.5	21	-7.9	89	1001.1
02/15/2022	00:45:00 - 01:00:00	30	10	9	6	26	0.6	360	-8.4	89	1001.2
02/15/2022	01:00:00 - 01:15:00	27	10	9	5	25	0.6	9	-8.7	91	1001.7
02/15/2022	01:15:00 - 01:30:00	25	9	9	6	24	0.7	16	-8.8	92	1001.8
02/15/2022	01:30:00 - 01:45:00	25	9	9	7	24	0.6	19	-8.9	91	1001.6
02/15/2022	01:45:00 - 02:00:00	27	10	9	6	25	0.5	46	-9.0	92	1001.4
02/15/2022	02:00:00 - 02:15:00	27	11	9	7	26	0.7	59	-7.9	89	1001.3
02/15/2022	02:15:00 - 02:30:00	25	10	9	6	24	0.5	95	-7.6	87	1001.2
02/15/2022	02:30:00 - 02:45:00	22	9	9	6	22	0.7	120	-6.9	83	1001.0
02/15/2022	02:45:00 - 03:00:00	21	8	9	5	20	1.1	101	-6.6	81	1001.0
02/15/2022	03:00:00 - 03:15:00	21	8	9	5	20	1.1	91	-6.6	80	1000.9
02/15/2022	03:15:00 - 03:30:00	21	8	9	5	19	0.8	96	-6.6	80	1000.7
02/15/2022	03:30:00 - 03:45:00	20	8	9	5	19	0.8	108	-6.6	79	1000.6
02/15/2022	03:45:00 - 04:00:00	21	8	9	5	19	1.2	97	-6.7	79	1000.7
02/15/2022	04:00:00 - 04:15:00	21	8	9	5	20	1.0	82	-6.8	79	1000.9
02/15/2022	04:15:00 - 04:30:00	21	8	9	5	20	0.9	83	-7.0	80	1001.0
02/15/2022	04:30:00 - 04:45:00	21	8	9	5	19	0.8	96	-7.0	80	1001.0
02/15/2022	04:45:00 - 05:00:00	21	8	9	5	19	1.0	94	-6.7	78	1001.1
02/15/2022	05:00:00 - 05:15:00	21	8	9	5	19	0.7	105	-6.7	78	1001.3
02/15/2022	05:15:00 - 05:30:00	27	10	9	6	26	1.1	87	-6.8	78	1001.3
02/15/2022	05:30:00 - 05:45:00	27	9	9	6	25	1.4	87	-7.0	78	1001.2
02/15/2022	05:45:00 - 06:00:00	21	9	9	5	20	1.3	66	-7.3	79	1001.4
02/15/2022	06:00:00 - 06:15:00	20	8	9	5	19	0.9	114	-7.2	79	1001.4
02/15/2022	06:15:00 - 06:30:00	19	8	9	4	19	1.1	102	-6.7	77	1001.6
02/15/2022	06:30:00 - 06:45:00	19	7	9	4	17	1.2	102	-6.7	76	1001.6
02/15/2022	06:45:00 - 07:00:00	20	7	9	4	19	1.5	80	-6.9	76	1001.5
02/15/2022	07:00:00 - 07:15:00	21	8	9	5	21	1.6	73	-7.5	78	1001.6
02/15/2022	07:15:00 - 07:30:00	21	8	9	5	21	1.9	85	-7.1	77	1001.7
02/15/2022	07:30:00 - 07:45:00	20	7	10	5	20	2.0	87	-6.4	75	1001.8
02/15/2022	07:45:00 - 08:00:00	19	7	16	5	18	1.3	99	-6.0	73	1002.0
02/15/2022	08:00:00 - 08:15:00	18	7	15	5	17	2.3	86	-5.6	71	1002.0
02/15/2022	08:15:00 - 08:30:00	17	7	15	5	17	2.4	91	-5.3	70	1001.9
02/15/2022	08:30:00 - 08:45:00	17	7	14	4	16	2.3	96	-4.6	69	1001.7
02/15/2022	08:45:00 - 09:00:00	16	6	14	4	15	2.6	96	-3.9	66	1001.7
02/15/2022	09:00:00 - 09:15:00	15	6	13	4	16	2.5	94	-2.8	64	1001.7
02/15/2022	09:15:00 - 09:30:00	13	6	12	4	14	2.1	106	-1.2	58	1001.7
02/15/2022	09:30:00 - 09:45:00	14	6	12	3	15	2.8	93	-1.1	58	1001.4
02/15/2022	09:45:00 - 10:00:00	14	6	12	4	16	2.3	107	-0.7	58	1001.5
02/15/2022	10:00:00 - 10:15:00	15	6	13	4	16	2.3	104	-0.3	57	1001.5
02/15/2022	10:15:00 - 10:30:00	16	6	13	4	15	2.2	110	0.4	56	1001.3
02/15/2022	10:30:00 - 10:45:00	15	6	13	4	16	2.6	113	1.0	55	1001.1
02/15/2022	10:45:00 - 11:00:00	15	6	13	4	16	2.8	113	1.3	55	1001.0

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{C}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/15/2022	11:00:00 - 11:15:00	16	6	13	15	16	2.5	120	2.0	55	1001.0
02/15/2022	11:15:00 - 11:30:00	17	6	13	16	16	2.6	108	2.4	56	1000.8
02/15/2022	11:30:00 - 11:45:00	20	6	14	5	18	2.7	105	2.9	56	1000.4
02/15/2022	11:45:00 - 12:00:00	19	6	15	4	16	2.9	100	2.9	57	1000.0
02/15/2022	12:00:00 - 12:15:00	19	6	14	4	16	3.2	94	3.0	59	999.7
02/15/2022	12:15:00 - 12:30:00	19	6	15	5	18	2.6	115	3.4	59	999.3
02/15/2022	12:30:00 - 12:45:00	20	6	15	4	19	3.1	105	3.5	59	999.1
02/15/2022	12:45:00 - 13:00:00	20	6	15	5	18	2.9	108	3.5	60	998.7
02/15/2022	13:00:00 - 13:15:00	20	6	15	4	17	3.0	110	3.8	60	998.2
02/15/2022	13:15:00 - 13:30:00	20	6	15	4	17	2.9	110	3.9	61	997.9
02/15/2022	13:30:00 - 13:45:00	21	7	16	4	18	3.2	100	3.7	63	997.4
02/15/2022	13:45:00 - 14:00:00	21	7	16	5	23	2.9	106	3.8	64	997.1
02/15/2022	14:00:00 - 14:15:00	20	6	15	11	17	3.0	109	4.3	64	996.8
02/15/2022	14:15:00 - 14:30:00	19	6	15	15	16	2.5	125	4.9	62	996.7
02/15/2022	14:30:00 - 14:45:00	20	7	16	5	17	3.3	125	5.1	62	996.4
02/15/2022	14:45:00 - 15:00:00	21	7	16	6	18	2.9	123	5.3	62	996.0
02/15/2022	15:00:00 - 15:15:00	20	6	15	5	17	3.5	116	5.7	62	995.7
02/15/2022	15:15:00 - 15:30:00	20	6	15	4	17	3.1	117	6.1	60	995.4
02/15/2022	15:30:00 - 15:45:00	18	6	14	4	15	2.9	126	6.2	61	995.2
02/15/2022	15:45:00 - 16:00:00	16	5	13	3	13	2.8	131	6.2	61	994.9
02/15/2022	16:00:00 - 16:15:00	16	5	13	3	14	2.7	125	6.2	62	994.6
02/15/2022	16:15:00 - 16:30:00	16	5	13	3	14	2.2	121	6.2	63	994.5
02/15/2022	16:30:00 - 16:45:00	16	5	13	3	13	2.5	126	6.0	64	994.2
02/15/2022	16:45:00 - 17:00:00	Offline	5	Offline	3	13	3	123	6	66	994.0
02/15/2022	17:00:00 - 17:15:00	Offline	5	Offline	3	13	2	126	5	68	993.9
02/15/2022	17:15:00 - 17:30:00	Offline	5	Offline	3	14	2.7	115	5.0	69	993.8
02/15/2022	17:30:00 - 17:45:00	16	6	13	3	13	2.2	126	4.8	71	993.6
02/15/2022	17:45:00 - 18:00:00	16	6	13	4	14	2.2	126	4.6	71	993.4
02/15/2022	18:00:00 - 18:15:00	16	6	13	4	14	2.8	126	4.8	71	993.3
02/15/2022	18:15:00 - 18:30:00	16	6	13	4	14	2.8	125	4.7	72	993.1
02/15/2022	18:30:00 - 18:45:00	17	6	14	4	15	2.7	124	4.6	72	992.8
02/15/2022	18:45:00 - 19:00:00	17	6	14	4	15	2.6	123	4.9	72	992.6
02/15/2022	19:00:00 - 19:15:00	16	6	13	3	14	2.5	127	5.5	70	992.4
02/15/2022	19:15:00 - 19:30:00	16	6	13	3	14	2.6	130	5.8	69	992.2
02/15/2022	19:30:00 - 19:45:00	16	6	13	3	14	2.2	127	6.0	68	992.0
02/15/2022	19:45:00 - 20:00:00	17	6	14	4	15	1.6	138	5.9	69	991.9
02/15/2022	20:00:00 - 20:15:00	16	6	13	4	15	2.0	139	5.5	71	991.8
02/15/2022	20:15:00 - 20:30:00	17	6	14	4	15	1.8	141	5.3	72	991.5
02/15/2022	20:30:00 - 20:45:00	17	6	14	4	15	1.8	139	5.4	72	991.3
02/15/2022	20:45:00 - 21:00:00	18	6	15	4	15	1.7	140	5.7	72	991.2
02/15/2022	21:00:00 - 21:15:00	18	6	15	4	16	1.8	140	6.3	70	991.1
02/15/2022	21:15:00 - 21:30:00	18	6	15	4	16	1.5	145	6.1	70	991.0
02/15/2022	21:30:00 - 21:45:00	18	6	15	4	16	1.9	143	5.9	71	990.9
02/15/2022	21:45:00 - 22:00:00	18	6	15	4	16	1.5	145	5.6	72	990.7
02/15/2022	22:00:00 - 22:15:00	18	6	14	4	16	1.3	140	5.4	73	990.5
02/15/2022	22:15:00 - 22:30:00	18	6	14	4	15	0.9	151	5.2	74	990.5
02/15/2022	22:30:00 - 22:45:00	17	6	14	4	15	0.8	140	5.0	75	990.5
02/15/2022	22:45:00 - 23:00:00	16	6	13	3	14	1.0	145	5.2	75	990.5
02/15/2022	23:00:00 - 23:15:00	15	5	13	3	13	1.2	162	5.9	72	990.5
02/15/2022	23:15:00 - 23:30:00	14	5	12	3	12	1.2	169	6.2	70	990.6
02/15/2022	23:30:00 - 23:45:00	13	5	11	3	12	1.3	158	6.5	69	990.6
02/15/2022	23:45:00 - 00:00:00	13	5	11	3	11	1.0	149	6.7	68	990.5

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

2/9/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	737	0.0	807	0.0	907	0.0	1007	0.0	1107	0.0	1208	0.0	1308	0.0	1409	0.0	1512	0.0	1612	0.0
SAM-2	732	0.0	802	0.0	902	0.0	1002	0.0	1102	0.0	1202	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0
SAM-3	749	0.0	821	0.0	918	0.0	1019	0.0	1119	0.0	1220	0.1	1319	0.0	1418	0.0	1524	0.0	1624	0.0
SAM-4	742	0.0	814	0.0	911	0.0	1012	0.0	1112	0.0	1213	0.0	1312	0.0	1412	0.0	1517	0.0	1617	0.0
IMPL-A	730	0.0	800	0.0	900	0.1	1000	0.1	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0
IMPL-B	733	0.0	803	0.0	903	0.0	1003	0.0	1103	0.0	1203	0.0	1304	0.0	1404	0.0	1504	0.0	1604	0.0
IMPL-C	734	0.0	804	0.0	904	0.0	1004	0.0	1104	0.0	1204	0.0	1305	0.0	1406	0.0	1508	0.0	1608	0.0
IMPL-D	735	0.0	805	0.0	905	0.0	1005	0.0	1105	0.0	1206	0.0	1306	0.0	1407	0.0	1510	0.0	1610	0.0
IMPL-E	739	0.0	809	0.0	908	0.0	1009	0.0	1109	0.0	1210	0.0	1309	0.0	1410	0.0	1514	0.0	1614	0.0
IMPL-F	741	0.0	811	0.0	909	0.0	1011	0.0	1111	0.0	1212	0.0	1311	0.0	1411	0.0	1516	0.0	1616	0.0
IMPL-G	743	0.0	815	0.0	912	0.0	1013	0.0	1113	0.0	1214	0.0	1313	0.0	1413	0.0	1518	0.0	1618	0.0
IMPL-H	744	0.0	816	0.0	913	0.0	1014	0.0	1114	0.0	1215	0.0	1314	0.0	1414	0.0	1519	0.0	1619	0.0
IMPL-I	745	0.0	817	0.0	914	0.0	1015	0.0	1115	0.0	1216	0.0	1315	0.0	1415	0.0	1520	0.0	1620	0.0
IMPL-J	747	0.0	819	0.0	916	0.0	1017	0.0	1117	0.0	1218	0.0	1317	0.0	1416	0.0	1522	0.0	1622	0.0
IMPL-K	750	0.0	822	0.0	919	0.0	1020	0.1	1120	0.1	1221	0.1	1320	0.0	1419	0.1	1525	0.0	1625	0.0
IMPL-L	751	0.0	823	0.0	920	0.0	1021	0.1	1121	0.1	1222	0.1	1321	0.1	1420	0.1	1526	0.1	1626	0.0

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/10/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	737	0.0	807	0.0	907	0.0	1007	0.0	1107	0.0	1208	0.0	1308	0.0	1409	0.0	1512	0.0	1612	0.0
SAM-2	732	0.0	802	0.0	902	0.0	1002	0.0	1102	0.0	1202	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0
SAM-3	749	0.0	821	0.0	918	0.0	1019	0.0	1119	0.0	1220	0.1	1319	0.0	1418	0.0	1524	0.0	1624	0.0
SAM-4	742	0.0	814	0.0	911	0.0	1012	0.0	1112	0.0	1213	0.0	1312	0.0	1412	0.0	1517	0.0	1617	0.0
IMPL-A	730	0.0	800	0.0	900	0.1	1000	0.1	1100	0.0	1200	0.0	1300	0.0	1400	0.1	1500	0.0	1600	0.0
IMPL-B	733	0.0	803	0.0	903	0.1	1003	0.0	1103	0.1	1203	0.0	1304	0.0	1404	0.0	1504	0.0	1604	0.0
IMPL-C	734	0.0	804	0.0	904	0.1	1004	0.0	1104	0.1	1204	0.0	1305	0.0	1406	0.0	1508	0.0	1608	0.0
IMPL-D	735	0.0	805	0.0	905	0.1	1005	0.0	1105	0.1	1206	0.0	1306	0.0	1407	0.0	1510	0.0	1610	0.0
IMPL-E	739	0.0	809	0.0	908	0.1	1009	0.0	1109	0.0	1210	0.0	1309	0.0	1410	0.0	1514	0.0	1614	0.0
IMPL-F	741	0.0	811	0.0	909	0.0	1011	0.0	1111	0.0	1212	0.0	1311	0.0	1411	0.0	1516	0.0	1616	0.0
IMPL-G	743	0.0	815	0.0	912	0.0	1013	0.0	1113	0.0	1214	0.0	1313	0.0	1413	0.0	1518	0.0	1618	0.0
IMPL-H	744	0.0	816	0.0	913	0.0	1014	0.0	1114	0.0	1215	0.0	1314	0.0	1414	0.0	1519	0.0	1619	0.0
IMPL-I	745	0.0	817	0.0	914	0.0	1015	0.0	1115	0.0	1216	0.0	1315	0.0	1415	0.0	1520	0.0	1620	0.0
IMPL-J	747	0.0	819	0.0	916	0.0	1017	0.0	1117	0.0	1218	0.0	1317	0.0	1416	0.0	1522	0.0	1622	0.0
IMPL-K	750	0.0	822	0.0	919	0.0	1020	0.1	1120	0.0	1221	0.0	1320	0.0	1419	0.1	1525	0.0	1625	0.0
IMPL-L	751	0.0	823	0.0	920	0.1	1021	0.1	1121	0.0	1222	0.1	1321	0.1	1420	0.1	1526	0.1	1626	0.0

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

2/11/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	737	0.0	807	0.0	942	0.0	1007	0.0	1107	0.1	1208	0.0	1308	0.0	1409	0.0	1512	0.0	1612	0.0
SAM-2	732	0.0	802	0.0	937	0.0	1002	0.0	1102	0.1	1202	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0
SAM-3	749	0.0	821	0.0	953	0.0	1019	0.0	1119	0.0	1220	0.0	1319	0.0	1418	0.0	1524	0.0	1624	0.0
SAM-4	742	0.0	814	0.0	946	0.0	1012	0.0	1112	0.1	1213	0.0	1312	0.0	1412	0.0	1517	0.0	1617	0.0
IMPL-A	730	0.0	800	0.0	935	0.0	1000	0.0	1100	0.1	1200	0.0	1300	0.1	1400	0.0	1500	0.0	1600	0.0
IMPL-B	733	0.0	803	0.0	938	0.0	1003	0.0	1103	0.1	1203	0.0	1304	0.0	1404	0.0	1504	0.0	1604	0.0
IMPL-C	734	0.0	804	0.0	939	0.0	1004	0.0	1104	0.1	1204	0.0	1305	0.0	1406	0.0	1508	0.0	1608	0.0
IMPL-D	735	0.0	805	0.0	940	0.0	1005	0.0	1105	0.1	1206	0.0	1306	0.0	1407	0.0	1510	0.0	1610	0.0
IMPL-E	739	0.0	809	0.0	943	0.0	1009	0.0	1109	0.1	1210	0.0	1309	0.0	1410	0.0	1514	0.0	1614	0.0
IMPL-F	741	0.0	811	0.0	944	0.0	1011	0.0	1111	0.1	1212	0.0	1311	0.0	1411	0.0	1516	0.0	1616	0.0
IMPL-G	743	0.0	815	0.0	947	0.0	1013	0.0	1113	0.1	1214	0.0	1313	0.0	1413	0.0	1518	0.0	1618	0.0
IMPL-H	744	0.0	816	0.0	948	0.0	1014	0.0	1114	0.1	1215	0.0	1314	0.0	1414	0.0	1519	0.0	1619	0.0
IMPL-I	745	0.0	817	0.0	949	0.0	1015	0.0	1115	0.1	1216	0.0	1315	0.0	1415	0.0	1520	0.0	1620	0.0
IMPL-J	747	0.0	819	0.0	951	0.0	1017	0.0	1117	0.1	1218	0.0	1317	0.0	1416	0.0	1522	0.0	1622	0.0
IMPL-K	750	0.0	822	0.0	954	0.0	1020	0.0	1120	0.1	1221	0.0	1320	0.0	1419	0.0	1525	0.0	1625	0.0
IMPL-L	751	0.0	823	0.0	955	0.0	1021	0.0	1121	0.1	1222	0.0	1321	0.1	1420	0.0	1526	0.0	1626	0.0

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

2/14/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	737	0.0	807	0.0	942	0.0	1007	0.0	1107	0.1	1208	0.0	1308	0.0	1409	0.0	1512	0.0	1612	0.0
SAM-2	732	0.0	802	0.0	937	0.0	1002	0.0	1102	0.1	1202	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0
SAM-3	749	0.0	821	0.0	953	0.0	1019	0.0	1119	0.0	1220	0.0	1319	0.0	1418	0.0	1524	0.0	1624	0.0
SAM-4	742	0.0	814	0.0	946	0.0	1012	0.0	1112	0.1	1213	0.0	1312	0.0	1412	0.0	1517	0.0	1617	0.0
IMPL-A	730	0.0	800	0.0	935	0.0	1000	0.0	1100	0.1	1200	0.0	1300	0.1	1400	0.0	1500	0.0	1600	0.0
IMPL-B	733	0.0	803	0.0	938	0.0	1003	0.0	1103	0.1	1203	0.0	1304	0.0	1404	0.0	1504	0.0	1604	0.0
IMPL-C	734	0.0	804	0.0	939	0.0	1004	0.0	1104	0.1	1204	0.0	1305	0.0	1406	0.0	1508	0.0	1608	0.0
IMPL-D	735	0.0	805	0.0	940	0.0	1005	0.0	1105	0.1	1206	0.0	1306	0.0	1407	0.0	1510	0.0	1610	0.0
IMPL-E	739	0.0	809	0.0	943	0.0	1009	0.0	1109	0.1	1210	0.0	1309	0.0	1410	0.0	1514	0.0	1614	0.0
IMPL-F	741	0.0	811	0.0	944	0.0	1011	0.0	1111	0.1	1212	0.0	1311	0.0	1411	0.0	1516	0.0	1616	0.0
IMPL-G	743	0.0	815	0.0	947	0.0	1013	0.0	1113	0.1	1214	0.0	1313	0.0	1413	0.0	1518	0.0	1618	0.0
IMPL-H	744	0.0	816	0.0	948	0.0	1014	0.0	1114	0.1	1215	0.0	1314	0.0	1414	0.0	1519	0.0	1619	0.0
IMPL-I	745	0.0	817	0.0	949	0.0	1015	0.0	1115	0.1	1216	0.0	1315	0.0	1415	0.0	1520	0.0	1620	0.0
IMPL-J	747	0.0	819	0.0	951	0.0	1017	0.0	1117	0.1	1218	0.0	1317	0.0	1416	0.0	1522	0.0	1622	0.0
IMPL-K	750	0.0	822	0.0	954	0.0	1020	0.0	1120	0.1	1221	0.0	1320	0.0	1419	0.0	1525	0.0	1625	0.0
IMPL-L	751	0.0	823	0.0	955	0.0	1021	0.0	1121	0.1	1222	0.0	1321	0.1	1420	0.0	1526	0.0	1626	0.0

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

Data are raw values and have not undergone full QA/QC validation.

Appendix A: Complete Preliminary Data Record

2/15/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	737	0.0	807	0.0	942	0.0	1007	0.0	1107	0.0	1208	0.0	1308	0.0	1417	0.0	1542	0.0	1612	0.0
SAM-2	732	0.0	802	0.0	937	0.0	1002	0.0	1102	0.0	1202	0.0	1302	0.0	1407	0.0	1532	0.0	1602	0.0
SAM-3	749	0.0	821	0.0	953	0.0	1019	0.0	1119	0.0	1220	0.0	1319	0.0	1430	0.0	1554	0.0	1624	0.0
SAM-4	742	0.0	814	0.0	946	0.0	1012	0.0	1112	0.0	1213	0.0	1312	0.0	1423	0.0	1547	0.0	1617	0.0
IMPL-A	730	0.0	800	0.0	935	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.1	1404	0.0	1530	0.0	1600	0.0
IMPL-B	733	0.0	803	0.0	938	0.0	1003	0.0	1103	0.0	1203	0.0	1304	0.0	1409	0.0	1534	0.0	1604	0.0
IMPL-C	734	0.0	804	0.0	939	0.0	1004	0.0	1104	0.0	1204	0.0	1305	0.0	1411	0.0	1538	0.0	1608	0.0
IMPL-D	735	0.0	805	0.0	940	0.0	1005	0.0	1105	0.0	1206	0.0	1306	0.0	1413	0.0	1540	0.0	1610	0.0
IMPL-E	739	0.0	809	0.0	943	0.0	1009	0.0	1109	0.0	1210	0.0	1309	0.0	1415	0.0	1544	0.0	1614	0.0
IMPL-F	741	0.0	811	0.0	944	0.0	1011	0.0	1111	0.0	1212	0.0	1311	0.0	1418	0.0	1546	0.0	1616	0.0
IMPL-G	743	0.0	815	0.0	947	0.0	1013	0.0	1113	0.0	1214	0.0	1313	0.0	1421	0.0	1548	0.0	1618	0.0
IMPL-H	744	0.0	816	0.0	948	0.0	1014	0.0	1114	0.0	1215	0.0	1314	0.0	1424	0.0	1549	0.0	1619	0.0
IMPL-I	745	0.0	817	0.0	949	0.0	1015	0.0	1115	0.0	1216	0.0	1315	0.0	1426	0.0	1550	0.0	1620	0.0
IMPL-J	747	0.0	819	0.0	951	0.0	1017	0.0	1117	0.0	1218	0.0	1317	0.0	1428	0.0	1552	0.0	1622	0.0
IMPL-K	750	0.0	822	0.0	954	0.0	1020	0.1	1120	0.0	1221	0.1	1320	0.1	1432	0.1	1555	0.2	1625	0.2
IMPL-L	751	0.0	823	0.0	955	0.0	1021	0.1	1121	0.0	1222	0.0	1321	0.0	1402	0.0	1556	0.0	1626	0.0

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 5:00 pm

Data are raw values and have not undergone full QA/QC validation.

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ERM Rolling Meadows

One Continental Towers
1701 Golf Road, Suite 1-700
Rolling Meadows, IL 60008

T: +1 847 258 8900

F: +1 847 713-4813

www.erm.com