

# Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

14 February 2022

Project No.: 0529307

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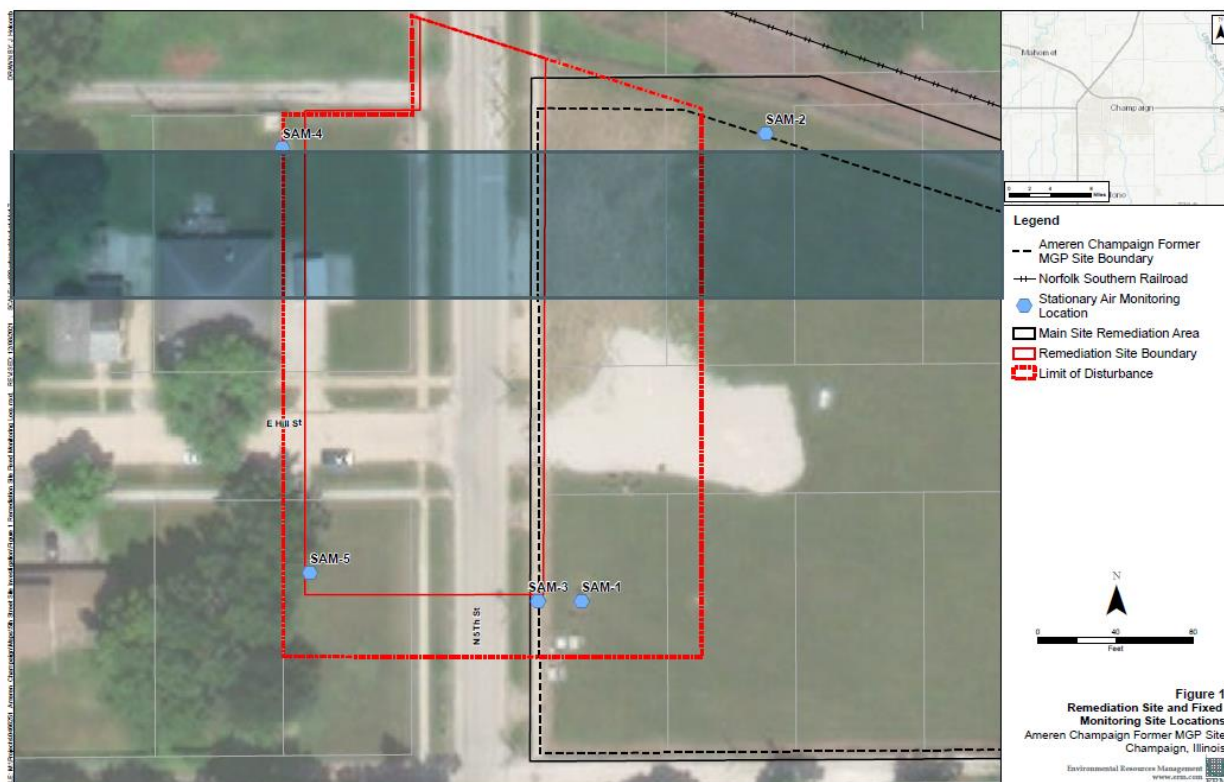
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## 1. INTRODUCTION

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 (PM<sub>10</sub>), 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 5<sup>th</sup> 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 2, 2022 through February 8, 2022. The laboratory results are presented were collected from January 12, 2022 through January 28, 2022. All results are compared to the established maximum acceptable exposure levels and are representative of ongoing remedial efforts. Due to heavy snow, site activities were temporarily halted from February 2 through February 4, 2022, and during this time, there was no active VOC measurements taken.

## 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<sup>1</sup>**

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, µg/m <sup>3</sup> )	2/2/2022 – 2/8/2022	0	28	360
VOC (1-minute average, µg/m <sup>3</sup> )	2/7/2022 – 2/8/2022	0	0.2	156.7
Benzene, Real-time GC (1-minute average µg/m <sup>3</sup> )	2/7/2022 – 2/8/2022	0	NM	156.7
Styrene, Method 325B (14 day sample period, µg/m <sup>3</sup> )	1/12/2022 – 1/26/2022	0	0.21	205,000
Benzene, Method 325B (14 day sample period, µg/m <sup>3</sup> )	1/12/2022 – 1/26/2022	0	0.88	16.5
Toluene, Method 325B (14 day sample period, µg/m <sup>3</sup> )	1/12/2022 – 1/26/2022	0	1.1	23,400
Xylenes (total), Method 325B (14 day sample period, µg/m <sup>3</sup> )	1/12/2022 – 1/26/2022	0	0.28	41,000
Ethylbenzene, Method 325B (14 day sample period, µg/m <sup>3</sup> )	1/12/2022 – 1/26/2022	0	0.28	59,400
2-methylnaphthalene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/24/2022 – 1/28/2022	0	ND	820
Acenaphthene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/24/2022 – 1/28/2022	0	ND	12,300
Acenaphthylene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/24/2022 – 1/28/2022	0	ND	615
Anthracene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/24/2022 – 1/28/2022	0	ND	615
Benzo(a)anthracene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/24/2022 – 1/28/2022	0	ND	1.54
Benzo(a)pyrene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/24/2022 – 1/28/2022	0	ND	0.154
Benzo(k)fluoranthene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/24/2022 – 1/28/2022	0	ND	15.4
Benzo(b)fluoranthene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/24/2022 – 1/28/2022	0	ND	15.4
Chrysene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/24/2022 – 1/28/2022	0	ND	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, $\mu\text{g}/\text{m}^3$ )	1/24/2022 – 1/28/2022	0	ND	0.154
Fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/24/2022 – 1/28/2022	0	ND	8,200
Fluorene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/24/2022 – 1/28/2022	0	ND	8,200
Indeno(1,2,3-cd)pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/24/2022 – 1/28/2022	0	ND	1.54
Napthalene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/24/2022 – 1/28/2022	0	1.3	176
Phenanthrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/24/2022 – 1/28/2022	0	ND	6,150
Pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/24/2022 – 1/28/2022	0	ND	6,150

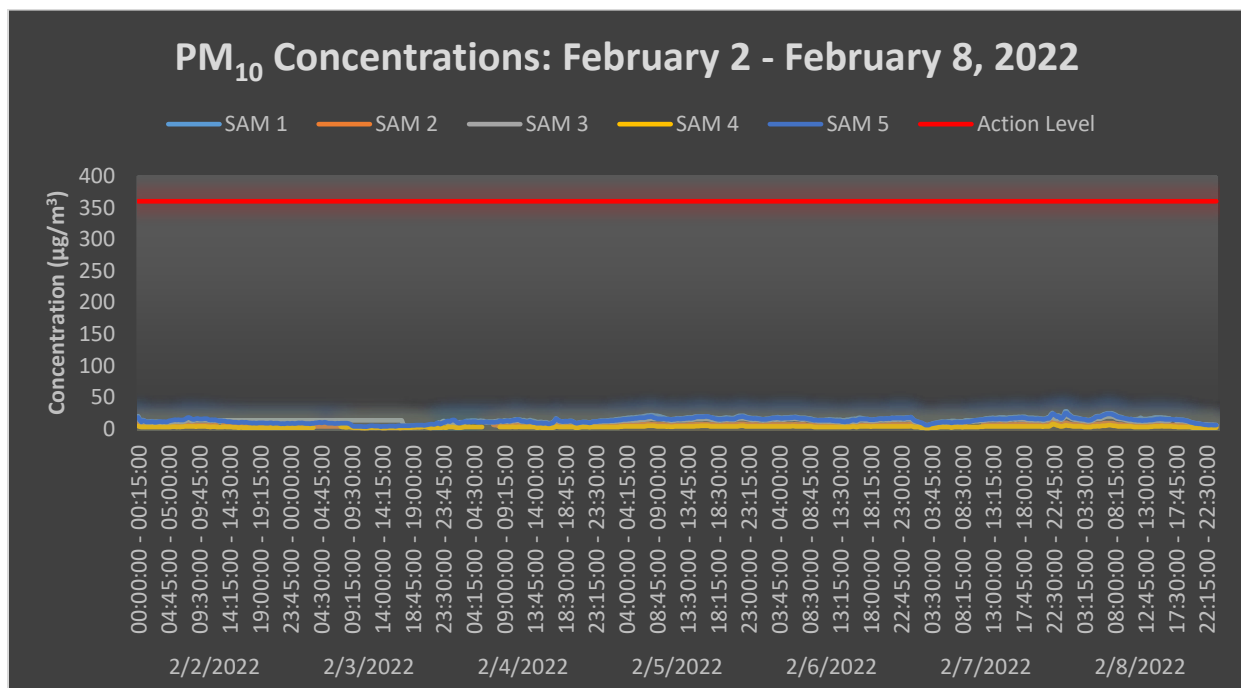
<sup>1</sup> Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

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.  $\text{PM}_{10}$  concentrations for the week are presented in Figure 2.

**Figure 2:  $\text{PM}_{10}$  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]
02/02/2022	00:00:00 - 00:15:00	20	8	16	5	19	2.2	2	0.7	100	991.1
02/02/2022	00:15:00 - 00:30:00	16	6	13	4	14	2.4	11	0.4	100	991.1
02/02/2022	00:30:00 - 00:45:00	12	5	10	3	11	2.4	9	0.1	100	991.0
02/02/2022	00:45:00 - 01:00:00	14	6	12	3	13	2.2	13	-0.1	100	991.0
02/02/2022	01:00:00 - 01:15:00	13	5	11	3	13	2.0	352	-0.2	100	991.1
02/02/2022	01:15:00 - 01:30:00	12	5	10	3	11	2.1	355	-0.3	100	991.3
02/02/2022	01:30:00 - 01:45:00	12	5	10	3	11	1.6	22	-0.4	100	991.4
02/02/2022	01:45:00 - 02:00:00	12	5	10	3	11	1.9	12	-0.4	100	991.6
02/02/2022	02:00:00 - 02:15:00	12	5	11	3	11	2.4	31	-0.5	99	991.6
02/02/2022	02:15:00 - 02:30:00	12	5	10	3	12	3.9	350	-0.6	99	991.7
02/02/2022	02:30:00 - 02:45:00	11	5	10	3	11	21.4	325	-1.0	98	991.5
02/02/2022	02:45:00 - 03:00:00	12	5	10	3	11	21.0	324	-1.3	98	991.5
02/02/2022	03:00:00 - 03:15:00	12	5	10	3	11	20.3	324	-1.5	98	991.4
02/02/2022	03:15:00 - 03:30:00	11	5	10	3	12	20.4	326	-1.8	98	991.0
02/02/2022	03:30:00 - 03:45:00	11	5	10	3	12	20.2	325	-2.1	98	990.9
02/02/2022	03:45:00 - 04:00:00	11	5	9	3	11	20.2	324	-2.1	98	991.1
02/02/2022	04:00:00 - 04:15:00	11	5	10	3	12	20.2	323	-2.1	99	991.3
02/02/2022	04:15:00 - 04:30:00	11	5	10	3	11	21.1	323	-2.4	99	991.3
02/02/2022	04:30:00 - 04:45:00	11	5	10	3	11	20.7	324	-2.5	99	991.2
02/02/2022	04:45:00 - 05:00:00	11	5	10	3	13	20.6	323	-2.6	99	991.4
02/02/2022	05:00:00 - 05:15:00	12	5	10	3	13	20.4	323	-2.7	100	991.4
02/02/2022	05:15:00 - 05:30:00	13	5	11	4	14	20.4	323	-2.6	100	991.4
02/02/2022	05:30:00 - 05:45:00	13	6	11	4	14	20.6	322	-2.7	100	991.4
02/02/2022	05:45:00 - 06:00:00	14	6	12	4	15	20.7	324	-2.9	100	991.4
02/02/2022	06:00:00 - 06:15:00	14	6	12	3	14	21.2	323	-3.2	99	991.5
02/02/2022	06:15:00 - 06:30:00	13	6	12	4	15	21.4	323	-3.6	99	991.6
02/02/2022	06:30:00 - 06:45:00	13	6	11	3	14	21.1	324	-3.7	99	991.6
02/02/2022	06:45:00 - 07:00:00	13	5	11	4	14	20.8	324	-3.6	99	991.6
02/02/2022	07:00:00 - 07:15:00	13	6	12	3	14	20.7	323	-3.5	99	991.8
02/02/2022	07:15:00 - 07:30:00	14	6	12	4	15	21.1	324	-3.3	100	992.1
02/02/2022	07:30:00 - 07:45:00	16	7	13	4	17	21.2	323	-3.2	100	992.4
02/02/2022	07:45:00 - 08:00:00	17	7	14	4	18	21.1	323	-3.1	100	992.4
02/02/2022	08:00:00 - 08:15:00	17	7	14	4	18	21.1	324	-3.2	100	992.3
02/02/2022	08:15:00 - 08:30:00	15	6	13	4	16	20.7	324	-3.2	100	992.3
02/02/2022	08:30:00 - 08:45:00	13	6	13	4	15	20.2	325	-3.1	100	992.5
02/02/2022	08:45:00 - 09:00:00	14	6	14	4	15	20.5	325	-3.1	100	992.3
02/02/2022	09:00:00 - 09:15:00	15	6	14	4	16	20.6	324	-3.1	100	992.1
02/02/2022	09:15:00 - 09:30:00	15	6	14	4	17	20.4	324	-3.1	100	992.3
02/02/2022	09:30:00 - 09:45:00	15	6	14	4	16	20.6	323	-3.0	100	992.4
02/02/2022	09:45:00 - 10:00:00	15	6	14	4	16	20.7	323	-3.1	100	992.4
02/02/2022	10:00:00 - 10:15:00	15	6	14	4	16	20.8	324	-3.2	100	992.4
02/02/2022	10:15:00 - 10:30:00	15	6	14	4	17	20.9	324	-3.3	100	992.4
02/02/2022	10:30:00 - 10:45:00	15	6	14	4	16	21.0	324	-3.4	100	992.6
02/02/2022	10:45:00 - 11:00:00	15	6	14	4	16	21.2	324	-3.5	100	992.5
02/02/2022	11:00:00 - 11:15:00	13	6	14	4	15	21.2	323	-3.6	100	992.8
02/02/2022	11:15:00 - 11:30:00	13	6	14	3	15	21.0	324	-3.8	99	992.7
02/02/2022	11:30:00 - 11:45:00	14	6	14	4	15	21.1	323	-4.3	99	992.6
02/02/2022	11:45:00 - 12:00:00	13	6	14	3	14	21.3	325	-4.7	99	992.5
02/02/2022	12:00:00 - 12:15:00	13	6	14	4	15	21.6	325	-5.0	99	992.5
02/02/2022	12:15:00 - 12:30:00	13	6	14	3	14	19.8	325	-5.3	98	992.6
02/02/2022	12:30:00 - 12:45:00	12	Offline	14	3	13	3.3	22	-5.7	98	992.5
02/02/2022	12:45:00 - 13:00:00	11	Offline	14	3	13	3.0	29	-5.8	98	992.4
02/02/2022	13:00:00 - 13:15:00	11	Offline	14	3	13	3.2	14	-6.0	98	992.4
02/02/2022	13:15:00 - 13:30:00	11	6	14	3	13	3.0	22	-6.1	98	992.4
02/02/2022	13:30:00 - 13:45:00	11	6	14	3	13	3.3	18	-6.2	98	992.5
02/02/2022	13:45:00 - 14:00:00	10	5	14	3	12	3.1	19	-6.2	98	992.8
02/02/2022	14:00:00 - 14:15:00	10	5	14	3	12	3.2	18	-6.4	98	992.9
02/02/2022	14:15:00 - 14:30:00	11	5	14	3	12	3.1	18	-6.5	98	993.1
02/02/2022	14:30:00 - 14:45:00	10	5	14	3	11	2.5	15	-6.5	98	993.2
02/02/2022	14:45:00 - 15:00:00	10	5	14	3	11	2.8	18	-6.5	98	993.2
02/02/2022	15:00:00 - 15:15:00	10	5	14	3	11	3.2	15	-6.6	98	993.2
02/02/2022	15:15:00 - 15:30:00	10	4	14	3	11	3.0	19	-6.6	98	993.4

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]
02/02/2022	15:30:00 - 15:45:00	9	4	14	2	10	2.9	15	-6.7	98	993.6
02/02/2022	15:45:00 - 16:00:00	10	4	14	2	10	3.6	12	-7.0	97	993.8
02/02/2022	16:00:00 - 16:15:00	10	4	14	2	11	3.7	5	-7.2	97	993.8
02/02/2022	16:15:00 - 16:30:00	10	4	14	2	11	3.6	8	-7.4	97	994.0
02/02/2022	16:30:00 - 16:45:00	9	4	14	2	10	3.0	4	-7.6	97	994.3
02/02/2022	16:45:00 - 17:00:00	10	4	14	2	11	3.4	3	-7.8	97	994.7
02/02/2022	17:00:00 - 17:15:00	9	4	14	2	10	3.0	12	-7.8	97	994.6
02/02/2022	17:15:00 - 17:30:00	9	4	14	2	10	3.3	5	-7.8	97	994.9
02/02/2022	17:30:00 - 17:45:00	9	4	14	2	10	3.0	6	-7.8	97	995.6
02/02/2022	17:45:00 - 18:00:00	9	4	14	2	9	3.0	7	-7.8	97	996.1
02/02/2022	18:00:00 - 18:15:00	9	4	14	2	10	3.2	8	-7.9	97	996.2
02/02/2022	18:15:00 - 18:30:00	9	4	14	2	9	3.0	10	-8.0	97	996.6
02/02/2022	18:30:00 - 18:45:00	9	4	14	2	9	2.7	10	-8.1	97	996.5
02/02/2022	18:45:00 - 19:00:00	9	4	14	2	10	3.2	8	-8.1	97	996.6
02/02/2022	19:00:00 - 19:15:00	10	4	14	2	10	2.8	15	-8.1	96	996.7
02/02/2022	19:15:00 - 19:30:00	9	4	14	2	10	3.1	15	-8.1	96	996.8
02/02/2022	19:30:00 - 19:45:00	9	4	14	2	10	2.7	11	-8.2	96	997.2
02/02/2022	19:45:00 - 20:00:00	9	4	14	2	9	2.6	14	-8.1	96	997.3
02/02/2022	20:00:00 - 20:15:00	9	4	14	2	9	2.4	16	-8.0	96	997.4
02/02/2022	20:15:00 - 20:30:00	9	4	14	2	9	2.9	7	-8.0	95	997.4
02/02/2022	20:30:00 - 20:45:00	9	4	14	2	10	2.4	18	-8.0	95	997.5
02/02/2022	20:45:00 - 21:00:00	9	4	14	2	10	2.3	13	-8.0	94	997.7
02/02/2022	21:00:00 - 21:15:00	8	4	14	2	9	2.2	20	-8.0	93	997.5
02/02/2022	21:15:00 - 21:30:00	8	4	14	2	9	2.5	15	-8.0	93	997.4
02/02/2022	21:30:00 - 21:45:00	9	4	14	2	9	2.8	12	-8.0	92	997.6
02/02/2022	21:45:00 - 22:00:00	8	4	14	2	9	2.4	19	-8.1	91	997.8
02/02/2022	22:00:00 - 22:15:00	8	4	14	2	9	2.9	15	-8.2	90	998.0
02/02/2022	22:15:00 - 22:30:00	8	4	14	2	8	2.5	17	-8.3	90	998.1
02/02/2022	22:30:00 - 22:45:00	7	4	14	2	9	2.2	18	-8.2	90	998.1
02/02/2022	22:45:00 - 23:00:00	8	4	14	2	8	2.5	17	-8.2	90	998.1
02/02/2022	23:00:00 - 23:15:00	8	4	14	2	9	2.7	16	-8.2	90	998.0
02/02/2022	23:15:00 - 23:30:00	8	4	14	2	9	2.7	11	-8.3	90	998.1
02/02/2022	23:30:00 - 23:45:00	8	4	14	2	9	2.7	19	-8.3	89	998.1
02/03/2022	23:45:00 - 00:00:00	8	4	14	2	9	2.7	15	-8.2	89	998.2
02/03/2022	00:00:00 - 00:15:00	9	4	14	2	9	2.7	13	-8.4	89	998.1
02/03/2022	00:15:00 - 00:30:00	8	4	14	2	9	2.7	13	-8.5	89	997.9
02/03/2022	00:30:00 - 00:45:00	8	4	14	2	9	2.7	17	-8.5	89	997.7
02/03/2022	00:45:00 - 01:00:00	9	4	14	2	9	2.8	17	-8.5	89	997.7
02/03/2022	01:00:00 - 01:15:00	9	4	14	2	10	2.5	18	-8.5	90	997.9
02/03/2022	01:15:00 - 01:30:00	9	4	14	2	9	2.6	14	-8.6	89	998.2
02/03/2022	01:30:00 - 01:45:00	9	4	14	2	10	2.6	19	-8.6	89	998.5
02/03/2022	01:45:00 - 02:00:00	9	4	14	2	9	2.8	11	-8.6	89	998.7
02/03/2022	02:00:00 - 02:15:00	8	4	14	2	9	2.8	17	-8.8	90	998.8
02/03/2022	02:15:00 - 02:30:00	8	4	14	2	9	2.6	16	-8.9	91	999.2
02/03/2022	02:30:00 - 02:45:00	8	4	14	2	9	3.1	9	-9.0	92	999.1
02/03/2022	02:45:00 - 03:00:00	8	4	14	2	8	2.6	10	-9.1	93	999.0
02/03/2022	03:00:00 - 03:15:00	8	4	14	2	9	2.5	8	-9.1	93	998.9
02/03/2022	03:15:00 - 03:30:00	8	4	14	2	9	2.9	17	-9.0	94	998.6
02/03/2022	03:30:00 - 03:45:00	9	4	14	Offline	10	2.3	15	-9.0	94	998.6
02/03/2022	03:45:00 - 04:00:00	9	4	14	Offline	10	2.2	18	-8.8	94	998.7
02/03/2022	04:00:00 - 04:15:00	9	4	14	Offline	10	2.4	25	-8.8	94	998.7
02/03/2022	04:15:00 - 04:30:00	9	4	14	Offline	11	2.1	18	-8.8	95	998.8
02/03/2022	04:30:00 - 04:45:00	9	4	14	Offline	10	2.0	22	-8.7	95	998.8
02/03/2022	04:45:00 - 05:00:00	9	4	14	Offline	10	2.0	23	-8.6	95	998.9
02/03/2022	05:00:00 - 05:15:00	9	4	14	Offline	11	2.1	23	-8.4	95	999.0
02/03/2022	05:15:00 - 05:30:00	9	4	14	Offline	10	2.4	28	-8.4	95	998.8
02/03/2022	05:30:00 - 05:45:00	7	4	14	Offline	9	2.8	27	-8.4	95	999.1
02/03/2022	05:45:00 - 06:00:00	7	4	14	Offline	9	2.7	25	-8.4	95	999.4
02/03/2022	06:00:00 - 06:15:00	7	4	14	Offline	9	2.4	30	-8.3	95	999.9
02/03/2022	06:15:00 - 06:30:00	7	4	14	Offline	9	2.4	26	-8.2	95	999.6
02/03/2022	06:30:00 - 06:45:00	7	4	14	Offline	9	2.1	34	-8.1	95	999.6
02/03/2022	06:45:00 - 07:00:00	7	4	14	Offline	9	2.4	31	-8.0	96	999.5

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]
02/03/2022	07:00:00 - 07:15:00	9	4	14	Offline	9	1.9	37	-7.9	96	999.4
02/03/2022	07:15:00 - 07:30:00	7	4	14	Offline	9	1.6	44	-7.7	96	999.4
02/03/2022	07:30:00 - 07:45:00	7	4	14	4	9	1.7	41	-7.5	96	999.6
02/03/2022	07:45:00 - 08:00:00	7	4	14	3	9	1.9	40	-7.4	96	999.5
02/03/2022	08:00:00 - 08:15:00	7	4	14	3	9	2.3	33	-7.3	96	999.6
02/03/2022	08:15:00 - 08:30:00	7	4	14	3	9	2.1	33	-7.2	96	999.8
02/03/2022	08:30:00 - 08:45:00	7	4	14	3	9	2.0	38	-7.0	96	999.9
02/03/2022	08:45:00 - 09:00:00	7	4	14	3	9	2.7	47	-6.8	96	1000.0
02/03/2022	09:00:00 - 09:15:00	6	3	14	3	8	2.8	46	-6.6	96	999.7
02/03/2022	09:15:00 - 09:30:00	5	3	14	3	6	3.1	58	-6.4	96	999.5
02/03/2022	09:30:00 - 09:45:00	3	2	14	2	4	4.3	58	-6.6	96	999.5
02/03/2022	09:45:00 - 10:00:00	2	2	14	2	4	4.0	51	-6.7	95	999.5
02/03/2022	10:00:00 - 10:15:00	3	2	14	2	4	3.7	52	-6.7	95	999.3
02/03/2022	10:15:00 - 10:30:00	3	2	14	2	4	3.8	62	-6.8	95	999.5
02/03/2022	10:30:00 - 10:45:00	3	2	14	2	4	3.5	49	-6.8	95	999.7
02/03/2022	10:45:00 - 11:00:00	3	2	14	2	4	3.4	43	-6.7	95	999.7
02/03/2022	11:00:00 - 11:15:00	2	2	14	2	4	3.1	43	-6.7	95	999.8
02/03/2022	11:15:00 - 11:30:00	2	2	14	1	4	3.9	57	-6.9	95	999.4
02/03/2022	11:30:00 - 11:45:00	2	2	14	2	4	3.0	49	-6.8	95	999.1
02/03/2022	11:45:00 - 12:00:00	3	2	14	2	4	3.5	47	-6.8	95	998.8
02/03/2022	12:00:00 - 12:15:00	3	2	14	2	5	3.3	46	-6.7	95	998.7
02/03/2022	12:15:00 - 12:30:00	3	3	14	2	5	3.1	42	-6.5	95	998.7
02/03/2022	12:30:00 - 12:45:00	4	2	14	2	5	2.6	39	-6.3	95	998.6
02/03/2022	12:45:00 - 13:00:00	3	2	14	2	5	2.9	45	-6.3	95	998.5
02/03/2022	13:00:00 - 13:15:00	3	2	14	2	4	2.8	45	-6.3	96	997.9
02/03/2022	13:15:00 - 13:30:00	3	2	14	2	5	3.0	37	-6.3	95	998.1
02/03/2022	13:30:00 - 13:45:00	3	2	14	2	5	3.2	40	-6.4	95	998.1
02/03/2022	13:45:00 - 14:00:00	2	2	14	2	4	2.8	36	-6.2	95	998.0
02/03/2022	14:00:00 - 14:15:00	2	2	14	2	4	2.6	30	-6.2	94	998.0
02/03/2022	14:15:00 - 14:30:00	2	2	14	2	4	2.9	40	-6.2	95	997.9
02/03/2022	14:30:00 - 14:45:00	2	2	14	2	4	3.2	42	-6.3	95	997.7
02/03/2022	14:45:00 - 15:00:00	3	2	14	2	4	3.1	43	-6.2	95	997.6
02/03/2022	15:00:00 - 15:15:00	3	2	14	2	5	3.2	39	-6.2	95	997.5
02/03/2022	15:15:00 - 15:30:00	3	2	14	2	5	2.6	42	-6.1	95	997.8
02/03/2022	15:30:00 - 15:45:00	3	2	14	2	5	2.9	43	-6.1	95	997.9
02/03/2022	15:45:00 - 16:00:00	3	2	14	2	5	2.9	43	-6.0	94	998.4
02/03/2022	16:00:00 - 16:15:00	3	2	14	2	4	3.0	36	-6.0	93	998.4
02/03/2022	16:15:00 - 16:30:00	3	2	14	2	5	2.5	34	-5.9	93	998.6
02/03/2022	16:30:00 - 16:45:00	3	2	14	2	5	2.5	37	-5.9	93	998.7
02/03/2022	16:45:00 - 17:00:00	3	2	14	2	5	2.4	33	-5.9	92	999.0
02/03/2022	17:00:00 - 17:15:00	3	2	14	2	5	2.6	33	-5.9	91	998.9
02/03/2022	17:15:00 - 17:30:00	3	2	7	2	5	2.6	40	-5.9	90	998.9
02/03/2022	17:30:00 - 17:45:00	3	3	5	2	5	2.5	36	-5.9	90	998.9
02/03/2022	17:45:00 - 18:00:00	3	3	5	2	5	2.5	38	-5.9	89	999.0
02/03/2022	18:00:00 - 18:15:00	3	3	5	2	5	3.0	38	-6.0	89	999.1
02/03/2022	18:15:00 - 18:30:00	3	3	5	2	5	3.1	45	-6.1	90	999.2
02/03/2022	18:30:00 - 18:45:00	4	3	5	2	5	3.4	47	-6.1	89	999.4
02/03/2022	18:45:00 - 19:00:00	4	3	5	3	6	2.9	46	-6.1	89	999.6
02/03/2022	19:00:00 - 19:15:00	4	3	6	3	6	2.9	47	-6.1	89	999.6
02/03/2022	19:15:00 - 19:30:00	4	3	5	3	6	2.6	42	-6.2	89	999.7
02/03/2022	19:30:00 - 19:45:00	4	3	6	3	6	2.4	47	-6.2	89	999.4
02/03/2022	19:45:00 - 20:00:00	4	3	6	3	6	2.2	44	-6.3	88	999.5
02/03/2022	20:00:00 - 20:15:00	4	3	6	3	6	2.4	47	-6.4	88	999.4
02/03/2022	20:15:00 - 20:30:00	4	3	5	3	6	1.8	36	-6.4	87	999.9
02/03/2022	20:30:00 - 20:45:00	4	Offline	5	4	6	1.8	32	-6.4	85	999.7
02/03/2022	20:45:00 - 21:00:00	4	Offline	5	3	6	1.9	31	-6.5	85	999.8
02/03/2022	21:00:00 - 21:15:00	4	Offline	5	3	7	2.0	23	-6.7	85	999.6
02/03/2022	21:15:00 - 21:30:00	4	Offline	5	2	7	1.9	25	-7.0	85	999.5
02/03/2022	21:30:00 - 21:45:00	4	Offline	6	2	8	1.9	16	-7.3	85	999.6
02/03/2022	21:45:00 - 22:00:00	4	Offline	6	2	8	1.8	24	-7.5	86	999.5
02/03/2022	22:00:00 - 22:15:00	4	Offline	6	2	7	1.4	23	-7.8	86	999.5
02/03/2022	22:15:00 - 22:30:00	5	Offline	6	2	8	1.3	20	-8.1	87	999.5

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]
02/03/2022	22:30:00 - 22:45:00	6	Offline	7	2	10	1.3	9	-8.6	87	999.5
02/03/2022	22:45:00 - 23:00:00	10	Offline	10	2	9	1.2	1	-9.1	88	999.8
02/03/2022	23:00:00 - 23:15:00	8	Offline	8	2	8	1.3	359	-9.5	89	999.8
02/03/2022	23:15:00 - 23:30:00	11	Offline	10	2	9	1.3	357	-9.8	90	999.9
02/03/2022	23:30:00 - 23:45:00	13	Offline	12	2	10	1.4	357	-9.9	91	999.8
02/04/2022	23:45:00 - 00:00:00	12	Offline	11	2	11	1.4	12	-9.8	90	999.9
02/04/2022	00:00:00 - 00:15:00	10	Offline	9	2	12	1.5	20	-9.9	90	999.9
02/04/2022	00:15:00 - 00:30:00	9	Offline	9	4	13	1.4	11	-10.1	90	999.9
02/04/2022	00:30:00 - 00:45:00	10	Offline	9	3	12	1.2	19	-10.5	90	1000.1
02/04/2022	00:45:00 - 01:00:00	10	Offline	10	3	14	1.0	23	-10.7	90	1000.1
02/04/2022	01:00:00 - 01:15:00	11	Offline	10	3	14	1.6	19	-10.5	90	1000.0
02/04/2022	01:15:00 - 01:30:00	10	Offline	10	3	14	1.4	20	-10.4	89	999.9
02/04/2022	01:30:00 - 01:45:00	9	Offline	9	2	12	1.4	3	-10.9	89	1000.0
02/04/2022	01:45:00 - 02:00:00	10	Offline	10	2	10	1.5	358	-11.5	90	1000.2
02/04/2022	02:00:00 - 02:15:00	11	Offline	10	2	10	1.4	358	-11.7	91	1000.3
02/04/2022	02:15:00 - 02:30:00	11	Offline	10	2	10	1.3	13	-11.6	91	1000.4
02/04/2022	02:30:00 - 02:45:00	11	Offline	10	3	11	1.4	15	-11.4	90	1000.4
02/04/2022	02:45:00 - 03:00:00	11	Offline	10	3	12	1.2	2	-11.6	90	1000.4
02/04/2022	03:00:00 - 03:15:00	13	Offline	11	3	12	1.2	1	-11.8	90	1000.4
02/04/2022	03:15:00 - 03:30:00	13	Offline	11	3	11	1.6	351	-12.0	91	1000.6
02/04/2022	03:30:00 - 03:45:00	13	Offline	11	3	12	1.7	348	-12.2	91	1000.5
02/04/2022	03:45:00 - 04:00:00	14	Offline	12	3	11	1.6	348	-12.1	92	1000.7
02/04/2022	04:00:00 - 04:15:00	13	Offline	11	3	12	1.9	343	-11.7	92	1001.1
02/04/2022	04:15:00 - 04:30:00	13	Offline	12	3	12	1.8	345	-11.6	92	1001.2
02/04/2022	04:30:00 - 04:45:00	13	Offline	12	3	12	1.8	355	-11.6	91	1001.3
02/04/2022	04:45:00 - 05:00:00	13	Offline	11	3	11	1.7	349	-11.6	91	1001.5
02/04/2022	05:00:00 - 05:15:00	12	Offline	11	3	11	2.0	350	-11.6	90	1001.6
02/04/2022	05:15:00 - 05:30:00	13	Offline	12	3	11	1.8	355	-11.5	90	1001.7
02/04/2022	05:30:00 - 05:45:00	13	Offline	11	3	11	1.8	346	-11.5	90	1001.6
02/04/2022	05:45:00 - 06:00:00	13	Offline	12	Offline	11	1.7	342	-11.5	90	1001.6
02/04/2022	06:00:00 - 06:15:00	12	Offline	11	Offline	11	1.8	335	-11.5	90	1001.7
02/04/2022	06:15:00 - 06:30:00	11	Offline	11	Offline	11	1.8	334	-11.5	90	1001.7
02/04/2022	06:30:00 - 06:45:00	12	Offline	11	Offline	11	2.0	335	-11.6	89	1002.0
02/04/2022	06:45:00 - 07:00:00	12	Offline	11	Offline	11	2.1	343	-11.6	89	1001.8
02/04/2022	07:00:00 - 07:15:00	12	Offline	11	Offline	11	2.4	339	-11.7	89	1002.0
02/04/2022	07:15:00 - 07:30:00	12	7	11	Offline	11	1.8	342	-11.7	88	1002.0
02/04/2022	07:30:00 - 07:45:00	12	6	11	Offline	11	2.1	337	-11.5	88	1002.0
02/04/2022	07:45:00 - 08:00:00	12	6	11	Offline	11	1.8	344	-11.4	88	1001.9
02/04/2022	08:00:00 - 08:15:00	14	5	12	Offline	11	1.3	360	-10.9	87	1001.7
02/04/2022	08:15:00 - 08:30:00	13	5	11	3	13	1.7	357	-10.8	86	1001.6
02/04/2022	08:30:00 - 08:45:00	12	5	11	3	13	1.6	356	-10.5	85	1001.5
02/04/2022	08:45:00 - 09:00:00	13	5	11	3	12	1.9	348	-10.3	85	1001.5
02/04/2022	09:00:00 - 09:15:00	14	5	12	3	12	1.4	353	-10.0	84	1001.4
02/04/2022	09:15:00 - 09:30:00	14	5	12	3	13	1.2	13	-8.9	81	1001.2
02/04/2022	09:30:00 - 09:45:00	13	5	11	3	14	1.7	345	-9.3	81	1001.3
02/04/2022	09:45:00 - 10:00:00	13	5	12	3	12	1.1	348	-8.4	80	1001.3
02/04/2022	10:00:00 - 10:15:00	14	5	12	3	13	1.0	355	-8.3	79	1001.6
02/04/2022	10:15:00 - 10:30:00	14	6	12	3	14	1.2	347	-7.7	78	1001.6
02/04/2022	10:30:00 - 10:45:00	15	6	13	3	14	1.3	350	-7.4	78	1001.7
02/04/2022	10:45:00 - 11:00:00	15	6	13	3	14	0.9	353	-6.9	77	1001.5
02/04/2022	11:00:00 - 11:15:00	15	6	13	3	15	0.5	15	-5.7	76	1001.2
02/04/2022	11:15:00 - 11:30:00	15	6	13	4	15	0.5	349	-3.3	67	1001.1
02/04/2022	11:30:00 - 11:45:00	15	5	12	3	13	0.9	340	-4.6	69	1001.0
02/04/2022	11:45:00 - 12:00:00	13	5	11	3	12	1.3	336	-4.6	70	1000.8
02/04/2022	12:00:00 - 12:15:00	14	5	11	3	12	1.7	320	-5.2	72	1000.6
02/04/2022	12:15:00 - 12:30:00	13	5	11	3	12	1.9	294	-5.3	73	1000.4
02/04/2022	12:30:00 - 12:45:00	13	5	11	3	11	1.5	290	-5.2	74	1000.0
02/04/2022	12:45:00 - 13:00:00	13	5	11	3	12	1.7	286	-4.9	73	999.9
02/04/2022	13:00:00 - 13:15:00	14	5	11	3	12	1.7	292	-4.8	73	999.8
02/04/2022	13:15:00 - 13:30:00	14	5	11	3	11	1.8	316	-4.9	73	999.8
02/04/2022	13:30:00 - 13:45:00	13	5	10	3	10	1.7	294	-4.6	72	999.7
02/04/2022	13:45:00 - 14:00:00	12	5	10	3	10	1.3	233	-4.2	71	999.8

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]
02/04/2022	14:00:00 - 14:15:00	11	4	9	2	9	1.7	272	-4.6	72	999.8
02/04/2022	14:15:00 - 14:30:00	11	4	9	2	9	1.8	272	-4.5	72	999.7
02/04/2022	14:30:00 - 14:45:00	11	4	9	2	9	1.2	234	-4.1	72	999.6
02/04/2022	14:45:00 - 15:00:00	11	4	9	2	10	1.5	234	-4.5	72	999.6
02/04/2022	15:00:00 - 15:15:00	10	4	9	2	9	1.3	258	-4.9	73	999.7
02/04/2022	15:15:00 - 15:30:00	11	4	9	2	9	1.4	238	-5.1	75	999.7
02/04/2022	15:30:00 - 15:45:00	11	4	9	2	9	1.4	229	-5.6	76	999.7
02/04/2022	15:45:00 - 16:00:00	10	4	8	2	8	1.4	252	-6.0	77	999.6
02/04/2022	16:00:00 - 16:15:00	9	4	8	2	8	1.3	235	-6.2	78	999.4
02/04/2022	16:15:00 - 16:30:00	10	4	9	2	9	1.6	234	-6.4	79	999.4
02/04/2022	16:30:00 - 16:45:00	10	5	10	2	10	1.7	220	-6.8	80	999.4
02/04/2022	16:45:00 - 17:00:00	13	5	11	3	12	1.5	220	-7.1	84	999.4
02/04/2022	17:00:00 - 17:15:00	17	7	14	4	16	1.6	225	-7.4	84	999.3
02/04/2022	17:15:00 - 17:30:00	15	6	13	4	15	1.6	220	-7.6	83	999.4
02/04/2022	17:30:00 - 17:45:00	13	6	12	3	13	1.4	237	-7.6	84	999.5
02/04/2022	17:45:00 - 18:00:00	12	6	11	3	12	1.9	251	-7.4	84	999.5
02/04/2022	18:00:00 - 18:15:00	11	5	10	3	12	1.6	250	-7.4	84	999.6
02/04/2022	18:15:00 - 18:30:00	12	6	11	3	12	1.7	245	-7.5	85	999.7
02/04/2022	18:30:00 - 18:45:00	12	6	11	3	13	1.2	260	-7.5	85	999.8
02/04/2022	18:45:00 - 19:00:00	12	5	11	3	12	1.6	268	-7.6	85	999.8
02/04/2022	19:00:00 - 19:15:00	13	6	11	3	12	1.4	268	-7.7	86	999.9
02/04/2022	19:15:00 - 19:30:00	13	6	11	3	13	1.7	270	-7.6	86	1000.0
02/04/2022	19:30:00 - 19:45:00	13	6	11	3	12	2.6	271	-7.0	82	1000.2
02/04/2022	19:45:00 - 20:00:00	11	5	11	3	11	3.0	293	-6.5	78	1000.3
02/04/2022	20:00:00 - 20:15:00	9	5	9	2	10	3.8	296	-6.6	74	1000.4
02/04/2022	20:15:00 - 20:30:00	9	5	9	2	9	3.4	295	-7.2	74	1000.6
02/04/2022	20:30:00 - 20:45:00	10	5	9	2	10	2.9	297	-7.7	76	1000.5
02/04/2022	20:45:00 - 21:00:00	10	5	9	3	10	3.1	299	-8.1	78	1000.6
02/04/2022	21:00:00 - 21:15:00	11	5	9	3	11	2.0	306	-8.6	79	1001.0
02/04/2022	21:15:00 - 21:30:00	11	5	10	3	11	2.3	307	-8.9	79	1001.4
02/04/2022	21:30:00 - 21:45:00	11	5	10	3	11	1.9	305	-9.3	80	1001.7
02/04/2022	21:45:00 - 22:00:00	11	5	10	3	11	2.0	309	-9.5	80	1001.9
02/04/2022	22:00:00 - 22:15:00	10	5	9	3	10	1.9	315	-9.5	79	1002.1
02/04/2022	22:15:00 - 22:30:00	10	5	9	3	10	2.2	317	-9.6	79	1002.2
02/04/2022	22:30:00 - 22:45:00	11	5	10	3	10	2.6	328	-9.6	79	1002.3
02/04/2022	22:45:00 - 23:00:00	12	5	11	3	12	2.9	321	-10.0	79	1002.4
02/04/2022	23:00:00 - 23:15:00	12	5	11	3	12	3.4	322	-10.6	79	1002.7
02/04/2022	23:15:00 - 23:30:00	12	5	11	3	12	3.4	315	-11.1	79	1002.9
02/04/2022	23:30:00 - 23:45:00	12	5	11	3	12	3.2	314	-11.5	80	1003.2
02/05/2022	23:45:00 - 00:00:00	13	6	11	3	13	3.0	314	-11.7	81	1003.3
02/05/2022	00:00:00 - 00:15:00	13	6	11	3	12	3.2	316	-12.1	81	1003.6
02/05/2022	00:15:00 - 00:30:00	13	6	11	3	13	3.2	315	-12.6	82	1003.8
02/05/2022	00:30:00 - 00:45:00	13	6	11	3	13	2.8	323	-13.0	82	1004.1
02/05/2022	00:45:00 - 01:00:00	13	6	11	3	13	2.4	318	-13.5	82	1004.0
02/05/2022	01:00:00 - 01:15:00	14	6	11	3	13	2.3	325	-13.9	83	1004.0
02/05/2022	01:15:00 - 01:30:00	14	6	12	3	13	2.3	315	-14.2	82	1004.0
02/05/2022	01:30:00 - 01:45:00	14	6	12	3	13	1.9	311	-14.4	82	1004.3
02/05/2022	01:45:00 - 02:00:00	14	6	12	3	13	1.8	308	-14.6	82	1004.5
02/05/2022	02:00:00 - 02:15:00	15	6	12	3	13	2.0	300	-14.8	82	1004.7
02/05/2022	02:15:00 - 02:30:00	15	6	12	3	14	1.8	313	-15.1	83	1004.7
02/05/2022	02:30:00 - 02:45:00	15	6	12	3	14	1.7	303	-15.4	83	1004.7
02/05/2022	02:45:00 - 03:00:00	16	6	12	3	14	1.9	305	-15.5	83	1004.7
02/05/2022	03:00:00 - 03:15:00	16	6	13	4	14	1.4	300	-15.7	83	1004.8
02/05/2022	03:15:00 - 03:30:00	16	7	13	4	15	1.3	314	-15.9	84	1004.8
02/05/2022	03:30:00 - 03:45:00	17	7	13	4	15	1.4	312	-16.1	85	1004.9
02/05/2022	03:45:00 - 04:00:00	17	7	13	4	15	0.9	321	-16.3	85	1004.9
02/05/2022	04:00:00 - 04:15:00	17	7	13	4	16	1.3	302	-16.3	85	1004.9
02/05/2022	04:15:00 - 04:30:00	18	8	13	4	16	1.2	322	-16.4	85	1005.0
02/05/2022	04:30:00 - 04:45:00	18	7	14	4	16	1.0	301	-16.5	85	1005.1
02/05/2022	04:45:00 - 05:00:00	18	8	14	4	16	1.0	299	-16.7	85	1005.3
02/05/2022	05:00:00 - 05:15:00	18	7	13	4	16	1.1	294	-16.7	86	1005.6
02/05/2022	05:15:00 - 05:30:00	19	8	14	4	17	1.8	277	-16.6	85	1005.7

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]
02/05/2022	05:30:00 - 05:45:00	19	8	14	4	17	1.7	275	-16.8	85	1005.9
02/05/2022	05:45:00 - 06:00:00	19	7	14	4	17	1.7	282	-16.8	85	1006.1
02/05/2022	06:00:00 - 06:15:00	19	8	14	4	18	1.6	295	-17.0	85	1006.1
02/05/2022	06:15:00 - 06:30:00	19	8	15	4	18	1.5	292	-17.1	86	1006.5
02/05/2022	06:30:00 - 06:45:00	20	8	15	4	18	1.5	289	-17.1	86	1006.7
02/05/2022	06:45:00 - 07:00:00	20	8	15	4	18	1.3	296	-17.2	86	1006.4
02/05/2022	07:00:00 - 07:15:00	21	8	15	5	19	1.4	292	-17.2	86	1006.7
02/05/2022	07:15:00 - 07:30:00	21	9	16	5	19	1.3	300	-17.1	86	1006.8
02/05/2022	07:30:00 - 07:45:00	21	8	16	5	19	1.0	289	-16.7	86	1006.8
02/05/2022	07:45:00 - 08:00:00	22	8	17	5	20	1.1	296	-16.1	84	1006.8
02/05/2022	08:00:00 - 08:15:00	22	8	17	5	19	1.5	280	-15.5	82	1006.7
02/05/2022	08:15:00 - 08:30:00	21	8	16	5	18	1.3	280	-15.0	80	1006.6
02/05/2022	08:30:00 - 08:45:00	21	8	16	4	17	1.3	310	-14.6	78	1006.6
02/05/2022	08:45:00 - 09:00:00	21	7	16	4	16	1.7	306	-14.1	76	1006.8
02/05/2022	09:00:00 - 09:15:00	20	7	16	4	16	1.9	314	-13.8	75	1006.8
02/05/2022	09:15:00 - 09:30:00	20	7	16	4	16	1.2	291	-12.8	73	1006.8
02/05/2022	09:30:00 - 09:45:00	19	7	15	4	16	1.8	294	-12.7	71	1006.8
02/05/2022	09:45:00 - 10:00:00	18	7	15	4	16	1.0	284	-12.2	71	1006.7
02/05/2022	10:00:00 - 10:15:00	17	7	14	4	16	1.3	296	-11.9	69	1006.5
02/05/2022	10:15:00 - 10:30:00	16	7	14	4	16	1.1	249	-11.1	68	1006.1
02/05/2022	10:30:00 - 10:45:00	16	7	14	4	16	0.6	180	-10.3	67	1005.8
02/05/2022	10:45:00 - 11:00:00	15	6	13	4	15	0.7	186	-9.8	65	1005.8
02/05/2022	11:00:00 - 11:15:00	15	6	13	4	15	1.0	218	-10.4	67	1005.5
02/05/2022	11:15:00 - 11:30:00	16	6	13	4	15	0.8	182	-10.3	66	1005.4
02/05/2022	11:30:00 - 11:45:00	16	6	13	4	15	0.8	160	-10.1	67	1005.3
02/05/2022	11:45:00 - 12:00:00	17	6	14	4	16	0.9	162	-9.9	67	1004.7
02/05/2022	12:00:00 - 12:15:00	17	6	14	4	16	0.7	193	-9.9	67	1004.6
02/05/2022	12:15:00 - 12:30:00	17	6	14	4	16	0.8	192	-9.9	68	1004.3
02/05/2022	12:30:00 - 12:45:00	17	6	14	4	16	0.6	201	-9.5	68	1004.1
02/05/2022	12:45:00 - 13:00:00	17	6	14	4	16	0.7	174	-9.2	67	1004.1
02/05/2022	13:00:00 - 13:15:00	17	6	14	4	16	0.8	169	-9.0	68	1003.8
02/05/2022	13:15:00 - 13:30:00	18	7	14	4	17	0.9	168	-8.8	67	1003.6
02/05/2022	13:30:00 - 13:45:00	18	7	15	4	17	1.2	184	-8.9	68	1003.1
02/05/2022	13:45:00 - 14:00:00	18	7	15	4	17	1.1	195	-8.6	67	1002.9
02/05/2022	14:00:00 - 14:15:00	18	7	15	4	17	0.9	172	-8.6	66	1002.8
02/05/2022	14:15:00 - 14:30:00	18	7	15	4	17	0.9	197	-8.6	66	1002.6
02/05/2022	14:30:00 - 14:45:00	19	7	15	4	18	0.9	178	-8.3	67	1002.5
02/05/2022	14:45:00 - 15:00:00	20	8	16	5	19	0.9	198	-8.2	68	1002.4
02/05/2022	15:00:00 - 15:15:00	20	8	16	5	19	1.1	188	-8.2	69	1002.3
02/05/2022	15:15:00 - 15:30:00	20	8	16	5	19	1.2	199	-8.6	71	1002.0
02/05/2022	15:30:00 - 15:45:00	20	8	16	5	19	1.0	190	-8.6	73	1002.1
02/05/2022	15:45:00 - 16:00:00	20	8	16	5	19	0.9	187	-8.5	72	1001.9
02/05/2022	16:00:00 - 16:15:00	20	8	16	5	19	1.0	199	-8.5	73	1001.6
02/05/2022	16:15:00 - 16:30:00	20	8	16	5	20	0.6	174	-8.4	74	1001.3
02/05/2022	16:30:00 - 16:45:00	20	8	16	5	20	0.7	162	-8.3	74	1000.9
02/05/2022	16:45:00 - 17:00:00	19	7	16	5	20	0.6	171	-8.2	73	1000.8
02/05/2022	17:00:00 - 17:15:00	19	7	15	4	19	1.0	143	-8.7	74	1000.7
02/05/2022	17:15:00 - 17:30:00	18	7	15	4	18	0.6	152	-9.1	75	1000.8
02/05/2022	17:30:00 - 17:45:00	18	7	15	4	17	1.0	157	-9.1	74	1000.5
02/05/2022	17:45:00 - 18:00:00	17	7	14	4	16	0.7	166	-9.2	73	1000.4
02/05/2022	18:00:00 - 18:15:00	17	7	14	4	16	1.0	158	-9.4	73	1000.3
02/05/2022	18:15:00 - 18:30:00	17	7	14	4	15	0.6	164	-9.4	73	1000.2
02/05/2022	18:30:00 - 18:45:00	17	6	13	4	15	1.2	189	-9.5	73	1000.2
02/05/2022	18:45:00 - 19:00:00	17	6	14	4	15	1.1	183	-9.6	74	1000.1
02/05/2022	19:00:00 - 19:15:00	17	7	14	4	16	0.9	167	-9.6	74	999.6
02/05/2022	19:15:00 - 19:30:00	18	7	14	4	16	1.1	163	-9.6	74	999.3
02/05/2022	19:30:00 - 19:45:00	18	7	15	4	17	1.1	166	-9.5	74	999.1
02/05/2022	19:45:00 - 20:00:00	18	7	15	4	16	1.0	167	-9.5	74	998.9
02/05/2022	20:00:00 - 20:15:00	18	7	15	4	16	0.9	175	-9.7	75	998.9
02/05/2022	20:15:00 - 20:30:00	17	7	14	4	16	0.9	172	-9.7	75	998.8
02/05/2022	20:30:00 - 20:45:00	17	7	14	4	16	0.9	178	-9.8	76	998.8
02/05/2022	20:45:00 - 21:00:00	18	7	14	4	16	0.7	183	-9.8	76	999.1

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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]
02/05/2022	21:00:00 - 21:15:00	19	7	15	4	17	1.3	199	-9.7	77	999.2
02/05/2022	21:15:00 - 21:30:00	20	8	16	4	18	1.0	190	-9.8	78	999.2
02/05/2022	21:30:00 - 21:45:00	21	8	17	5	19	1.2	200	-9.7	78	999.2
02/05/2022	21:45:00 - 22:00:00	21	8	17	5	20	1.1	205	-9.8	78	999.2
02/05/2022	22:00:00 - 22:15:00	21	8	17	5	20	0.8	199	-9.8	79	999.2
02/05/2022	22:15:00 - 22:30:00	21	8	17	5	19	0.8	196	-9.8	79	999.2
02/05/2022	22:30:00 - 22:45:00	20	8	16	4	19	0.7	196	-9.8	79	999.1
02/05/2022	22:45:00 - 23:00:00	19	7	16	4	18	0.6	195	-9.8	79	999.2
02/05/2022	23:00:00 - 23:15:00	18	7	15	4	17	0.7	193	-9.8	79	999.1
02/05/2022	23:15:00 - 23:30:00	18	7	15	4	17	0.9	203	-9.7	79	998.9
02/05/2022	23:30:00 - 23:45:00	17	7	14	4	17	1.0	201	-9.6	79	998.8
02/06/2022	23:45:00 - 00:00:00	17	7	15	4	16	0.8	193	-9.6	80	998.7
02/06/2022	00:00:00 - 00:15:00	17	7	15	4	17	1.0	196	-9.5	81	998.6
02/06/2022	00:15:00 - 00:30:00	17	7	15	4	16	0.8	181	-9.6	82	998.4
02/06/2022	00:30:00 - 00:45:00	17	7	14	4	16	0.7	188	-9.6	83	998.1
02/06/2022	00:45:00 - 01:00:00	17	7	14	4	16	0.9	192	-9.5	84	997.9
02/06/2022	01:00:00 - 01:15:00	16	6	14	4	15	1.0	200	-9.5	86	997.8
02/06/2022	01:15:00 - 01:30:00	16	6	14	4	15	1.0	193	-9.4	87	997.7
02/06/2022	01:30:00 - 01:45:00	16	6	14	4	15	1.0	181	-9.3	88	997.9
02/06/2022	01:45:00 - 02:00:00	16	7	14	4	15	1.0	179	-9.3	88	997.7
02/06/2022	02:00:00 - 02:15:00	17	7	14	4	16	0.8	192	-9.3	89	997.6
02/06/2022	02:15:00 - 02:30:00	17	7	14	4	16	0.9	191	-9.3	90	997.4
02/06/2022	02:30:00 - 02:45:00	17	7	15	4	17	0.8	190	-9.3	90	997.4
02/06/2022	02:45:00 - 03:00:00	18	7	15	4	17	0.5	188	-9.4	90	997.5
02/06/2022	03:00:00 - 03:15:00	18	7	15	4	18	0.6	185	-9.3	91	997.3
02/06/2022	03:15:00 - 03:30:00	19	7	15	4	18	0.5	172	-9.1	91	997.1
02/06/2022	03:30:00 - 03:45:00	19	7	15	4	18	0.5	179	-9.1	90	996.9
02/06/2022	03:45:00 - 04:00:00	18	7	15	4	17	0.4	191	-9.1	90	996.9
02/06/2022	04:00:00 - 04:15:00	18	7	15	4	17	0.5	186	-9.0	90	997.1
02/06/2022	04:15:00 - 04:30:00	18	7	15	4	17	0.5	177	-9.0	90	997.1
02/06/2022	04:30:00 - 04:45:00	18	7	15	4	17	0.6	176	-8.8	89	997.0
02/06/2022	04:45:00 - 05:00:00	18	7	15	4	17	0.9	193	-8.6	88	996.7
02/06/2022	05:00:00 - 05:15:00	18	7	16	4	17	1.0	195	-8.7	88	996.7
02/06/2022	05:15:00 - 05:30:00	19	7	16	4	17	0.7	185	-8.6	87	996.8
02/06/2022	05:30:00 - 05:45:00	19	7	16	4	18	0.7	195	-8.8	88	996.7
02/06/2022	05:45:00 - 06:00:00	19	7	16	4	18	0.9	185	-8.9	88	996.6
02/06/2022	06:00:00 - 06:15:00	19	7	16	5	18	1.0	192	-8.8	88	996.5
02/06/2022	06:15:00 - 06:30:00	19	8	16	4	18	0.7	188	-8.7	88	996.6
02/06/2022	06:30:00 - 06:45:00	19	7	16	4	18	0.8	190	-8.6	88	996.6
02/06/2022	06:45:00 - 07:00:00	18	7	16	4	17	0.6	174	-8.9	88	996.5
02/06/2022	07:00:00 - 07:15:00	18	7	15	4	17	0.6	191	-9.2	89	996.6
02/06/2022	07:15:00 - 07:30:00	18	7	15	4	17	0.4	182	-9.1	90	996.6
02/06/2022	07:30:00 - 07:45:00	18	7	15	4	17	0.9	179	-8.4	89	996.7
02/06/2022	07:45:00 - 08:00:00	18	7	15	4	17	1.1	193	-7.4	87	996.5
02/06/2022	08:00:00 - 08:15:00	17	6	15	4	16	1.0	191	-6.5	84	996.5
02/06/2022	08:15:00 - 08:30:00	17	6	14	4	16	1.5	197	-6.0	82	996.5
02/06/2022	08:30:00 - 08:45:00	17	6	14	4	15	1.3	203	-5.2	80	996.6
02/06/2022	08:45:00 - 09:00:00	16	6	14	4	15	2.1	212	-4.6	77	996.8
02/06/2022	09:00:00 - 09:15:00	15	6	14	4	14	2.2	205	-4.4	77	996.9
02/06/2022	09:15:00 - 09:30:00	15	6	13	3	14	2.4	204	-4.3	76	996.9
02/06/2022	09:30:00 - 09:45:00	14	6	13	3	14	2.4	208	-4.0	76	997.0
02/06/2022	09:45:00 - 10:00:00	14	6	12	3	14	2.4	204	-3.5	75	996.9
02/06/2022	10:00:00 - 10:15:00	14	6	12	3	14	2.1	196	-2.9	73	996.9
02/06/2022	10:15:00 - 10:30:00	14	6	12	3	14	2.5	205	-2.6	72	997.0
02/06/2022	10:30:00 - 10:45:00	14	6	12	3	14	2.8	195	-2.3	72	996.9
02/06/2022	10:45:00 - 11:00:00	14	6	12	3	14	2.1	197	-1.8	72	996.7
02/06/2022	11:00:00 - 11:15:00	15	6	12	3	14	1.8	193	-1.1	70	996.5
02/06/2022	11:15:00 - 11:30:00	15	5	12	3	14	1.7	193	-0.5	70	996.4
02/06/2022	11:30:00 - 11:45:00	15	5	12	3	14	2.2	195	-0.6	70	996.2
02/06/2022	11:45:00 - 12:00:00	15	5	12	3	14	2.5	205	-0.7	71	996.0
02/06/2022	12:00:00 - 12:15:00	15	5	12	3	13	2.5	204	-0.2	71	995.8
02/06/2022	12:15:00 - 12:30:00	15	5	12	3	13	2.5	197	0.0	71	995.7

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]
02/06/2022	12:30:00 - 12:45:00	14	5	11	3	13	2.2	197	0.3	71	995.5
02/06/2022	12:45:00 - 13:00:00	15	5	11	3	13	2.4	196	0.9	69	995.2
02/06/2022	13:00:00 - 13:15:00	14	5	11	3	13	2.0	200	1.4	69	995.2
02/06/2022	13:15:00 - 13:30:00	15	5	11	3	13	2.4	203	1.4	68	995.0
02/06/2022	13:30:00 - 13:45:00	14	5	10	3	12	2.3	195	1.6	68	995.0
02/06/2022	13:45:00 - 14:00:00	14	5	10	3	12	1.9	196	1.8	68	994.8
02/06/2022	14:00:00 - 14:15:00	14	5	10	3	11	1.8	176	2.3	68	994.7
02/06/2022	14:15:00 - 14:30:00	15	5	11	3	12	2.1	196	2.1	69	994.5
02/06/2022	14:30:00 - 14:45:00	14	5	11	3	12	1.6	172	2.5	69	994.3
02/06/2022	14:45:00 - 15:00:00	15	5	11	3	13	1.5	162	2.4	70	994.2
02/06/2022	15:00:00 - 15:15:00	16	6	12	4	14	1.3	173	2.4	71	994.2
02/06/2022	15:15:00 - 15:30:00	16	6	12	4	14	1.7	185	1.9	71	994.2
02/06/2022	15:30:00 - 15:45:00	16	6	12	4	14	2.0	184	1.7	71	994.2
02/06/2022	15:45:00 - 16:00:00	16	5	11	3	13	1.5	159	1.5	73	994.2
02/06/2022	16:00:00 - 16:15:00	17	6	13	4	15	1.4	165	0.9	76	994.1
02/06/2022	16:15:00 - 16:30:00	18	6	14	4	16	1.2	169	0.6	77	994.2
02/06/2022	16:30:00 - 16:45:00	17	6	14	4	16	1.2	156	0.4	77	994.1
02/06/2022	16:45:00 - 17:00:00	17	6	14	4	16	1.1	178	0.2	78	994.0
02/06/2022	17:00:00 - 17:15:00	17	6	13	4	16	1.5	181	-0.2	78	994.0
02/06/2022	17:15:00 - 17:30:00	16	6	13	4	16	1.8	192	-0.2	78	994.0
02/06/2022	17:30:00 - 17:45:00	16	6	13	4	16	2.0	196	-0.2	77	994.3
02/06/2022	17:45:00 - 18:00:00	15	6	13	4	15	1.8	185	-0.3	76	994.3
02/06/2022	18:00:00 - 18:15:00	15	6	13	4	15	1.7	189	-0.3	76	994.5
02/06/2022	18:15:00 - 18:30:00	15	6	13	4	15	1.6	181	-0.4	76	994.5
02/06/2022	18:30:00 - 18:45:00	15	6	13	4	15	1.7	189	-0.4	76	994.7
02/06/2022	18:45:00 - 19:00:00	15	6	13	4	15	1.9	190	-0.4	75	994.7
02/06/2022	19:00:00 - 19:15:00	16	6	14	4	16	1.9	195	-0.4	75	994.8
02/06/2022	19:15:00 - 19:30:00	16	7	14	4	16	2.1	196	-0.5	75	994.9
02/06/2022	19:30:00 - 19:45:00	16	7	14	4	16	2.3	192	-0.6	75	994.9
02/06/2022	19:45:00 - 20:00:00	16	6	14	4	16	2.4	199	-0.8	76	994.9
02/06/2022	20:00:00 - 20:15:00	16	7	14	4	16	2.2	203	-0.9	77	995.0
02/06/2022	20:15:00 - 20:30:00	16	7	14	4	17	1.6	206	-1.1	78	995.0
02/06/2022	20:30:00 - 20:45:00	17	7	14	4	16	1.5	197	-1.2	79	995.0
02/06/2022	20:45:00 - 21:00:00	17	7	14	4	17	1.3	201	-1.4	80	995.0
02/06/2022	21:00:00 - 21:15:00	16	7	14	4	16	1.3	209	-1.5	80	995.0
02/06/2022	21:15:00 - 21:30:00	18	7	15	4	17	1.1	208	-1.8	81	994.9
02/06/2022	21:30:00 - 21:45:00	17	7	15	4	17	1.2	199	-2.0	82	994.9
02/06/2022	21:45:00 - 22:00:00	18	7	15	4	17	1.5	200	-2.1	82	994.9
02/06/2022	22:00:00 - 22:15:00	18	7	15	4	17	1.6	211	-2.2	82	994.8
02/06/2022	22:15:00 - 22:30:00	18	7	15	4	17	0.9	215	-2.4	82	994.8
02/06/2022	22:30:00 - 22:45:00	18	7	15	4	17	1.3	250	-2.5	83	995.0
02/06/2022	22:45:00 - 23:00:00	18	7	15	4	17	1.1	251	-2.6	83	994.9
02/06/2022	23:00:00 - 23:15:00	18	7	15	4	17	1.2	263	-3.0	84	994.9
02/06/2022	23:15:00 - 23:30:00	18	7	15	4	17	1.8	269	-3.2	85	994.9
02/06/2022	23:30:00 - 23:45:00	18	7	15	4	18	1.8	270	-3.0	85	995.0
02/07/2022	23:45:00 - 00:00:00	18	7	15	4	18	1.7	279	-2.9	87	995.0
02/07/2022	00:00:00 - 00:15:00	18	8	15	4	18	1.9	282	-2.9	88	995.2
02/07/2022	00:15:00 - 00:30:00	19	8	16	5	19	2.2	282	-2.7	89	995.2
02/07/2022	00:30:00 - 00:45:00	17	7	14	4	16	2.2	286	-2.5	89	995.1
02/07/2022	00:45:00 - 01:00:00	13	6	12	3	14	2.2	285	-2.5	88	995.1
02/07/2022	01:00:00 - 01:15:00	13	6	11	3	13	2.6	279	-2.9	85	995.1
02/07/2022	01:15:00 - 01:30:00	12	5	10	3	12	2.5	281	-3.6	82	995.2
02/07/2022	01:30:00 - 01:45:00	11	5	10	3	11	2.5	295	-4.2	81	995.3
02/07/2022	01:45:00 - 02:00:00	10	5	9	2	10	2.6	284	-4.7	80	995.4
02/07/2022	02:00:00 - 02:15:00	9	5	9	2	10	2.8	290	-5.2	78	995.5
02/07/2022	02:15:00 - 02:30:00	7	4	7	2	8	2.7	293	-5.8	76	995.4
02/07/2022	02:30:00 - 02:45:00	5	3	6	2	6	3.0	291	-6.2	76	995.3
02/07/2022	02:45:00 - 03:00:00	5	3	6	2	6	3.0	301	-6.6	76	995.4
02/07/2022	03:00:00 - 03:15:00	6	3	6	2	6	2.4	299	-7.0	76	995.4
02/07/2022	03:15:00 - 03:30:00	7	4	7	2	8	3.1	294	-7.2	75	995.4
02/07/2022	03:30:00 - 03:45:00	8	4	8	2	8	2.6	293	-7.4	76	995.4
02/07/2022	03:45:00 - 04:00:00	9	4	8	2	9	1.7	298	-7.8	77	995.5

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]
02/07/2022	04:00:00 - 04:15:00	10	5	9	2	9	1.9	305	-8.1	78	995.5
02/07/2022	04:15:00 - 04:30:00	10	5	9	2	10	1.9	296	-8.4	79	995.5
02/07/2022	04:30:00 - 04:45:00	11	5	9	3	10	2.0	291	-8.6	80	995.8
02/07/2022	04:45:00 - 05:00:00	11	5	9	3	10	2.3	306	-8.9	80	995.8
02/07/2022	05:00:00 - 05:15:00	12	5	10	3	11	2.2	301	-9.2	81	995.9
02/07/2022	05:15:00 - 05:30:00	12	5	10	3	11	1.9	304	-9.4	81	995.9
02/07/2022	05:30:00 - 05:45:00	11	5	10	3	11	1.8	304	-9.6	82	996.1
02/07/2022	05:45:00 - 06:00:00	12	5	10	3	11	2.0	309	-9.8	82	996.2
02/07/2022	06:00:00 - 06:15:00	12	5	10	3	11	2.3	300	-9.9	82	996.3
02/07/2022	06:15:00 - 06:30:00	12	5	10	3	11	2.4	297	-10.1	82	996.3
02/07/2022	06:30:00 - 06:45:00	13	5	11	2	10	2.5	295	-10.3	82	996.4
02/07/2022	06:45:00 - 07:00:00	13	5	11	3	10	2.5	297	-10.5	82	996.5
02/07/2022	07:00:00 - 07:15:00	13	5	11	3	11	2.3	303	-10.6	81	996.6
02/07/2022	07:15:00 - 07:30:00	12	5	10	3	11	2.5	304	-10.6	81	996.8
02/07/2022	07:30:00 - 07:45:00	12	5	10	3	11	2.6	302	-10.5	80	996.9
02/07/2022	07:45:00 - 08:00:00	12	5	10	3	11	2.4	298	-10.3	80	997.1
02/07/2022	08:00:00 - 08:15:00	12	5	10	3	11	2.8	303	-10.2	79	997.1
02/07/2022	08:15:00 - 08:30:00	12	5	10	3	11	2.6	300	-10.0	78	997.2
02/07/2022	08:30:00 - 08:45:00	13	5	11	3	11	2.4	313	-9.8	77	997.0
02/07/2022	08:45:00 - 09:00:00	14	5	11	3	11	2.4	321	-9.5	76	997.0
02/07/2022	09:00:00 - 09:15:00	14	Offline	11	3	12	2.7	311	-9.6	76	997.2
02/07/2022	09:15:00 - 09:30:00	14	Offline	11	3	12	2.8	306	-9.5	75	997.2
02/07/2022	09:30:00 - 09:45:00	13	Offline	11	3	12	2.8	300	-9.3	75	997.2
02/07/2022	09:45:00 - 10:00:00	14	Offline	12	3	13	2.3	313	-8.8	74	997.3
02/07/2022	10:00:00 - 10:15:00	14	Offline	12	3	13	2.4	305	-8.4	73	997.4
02/07/2022	10:15:00 - 10:30:00	14	Offline	12	3	14	2.5	319	-8.4	73	997.5
02/07/2022	10:30:00 - 10:45:00	14	Offline	12	3	14	2.2	300	-8.0	73	997.5
02/07/2022	10:45:00 - 11:00:00	14	Offline	12	3	14	2.1	286	-7.8	72	997.6
02/07/2022	11:00:00 - 11:15:00	15	Offline	13	4	15	1.9	285	-7.5	72	997.6
02/07/2022	11:15:00 - 11:30:00	15	Offline	13	4	15	2.0	292	-7.3	71	997.6
02/07/2022	11:30:00 - 11:45:00	16	7	13	4	15	1.9	284	-7.0	71	997.5
02/07/2022	11:45:00 - 12:00:00	16	7	13	4	15	2.2	277	-6.9	71	997.3
02/07/2022	12:00:00 - 12:15:00	17	7	14	4	15	1.8	289	-6.6	72	997.1
02/07/2022	12:15:00 - 12:30:00	17	7	14	4	16	2.0	281	-6.2	71	997.0
02/07/2022	12:30:00 - 12:45:00	17	7	14	4	16	2.4	294	-6.2	71	996.9
02/07/2022	12:45:00 - 13:00:00	17	7	14	4	16	1.8	302	-5.8	71	996.8
02/07/2022	13:00:00 - 13:15:00	18	7	14	4	16	2.2	282	-5.8	70	996.7
02/07/2022	13:15:00 - 13:30:00	18	7	14	4	16	2.2	281	-5.7	70	996.5
02/07/2022	13:30:00 - 13:45:00	18	7	14	4	16	2.2	280	-5.8	70	996.4
02/07/2022	13:45:00 - 14:00:00	18	7	15	4	16	1.9	276	-5.3	69	996.3
02/07/2022	14:00:00 - 14:15:00	18	7	15	4	16	1.9	274	-5.2	69	996.3
02/07/2022	14:15:00 - 14:30:00	18	8	15	4	16	1.8	296	-5.2	69	996.3
02/07/2022	14:30:00 - 14:45:00	18	7	14	4	16	2.1	305	-5.4	70	996.3
02/07/2022	14:45:00 - 15:00:00	18	7	14	4	16	2.1	289	-5.5	70	996.1
02/07/2022	15:00:00 - 15:15:00	17	7	14	4	16	2.2	283	-5.9	71	996.2
02/07/2022	15:15:00 - 15:30:00	18	7	14	4	16	1.9	306	-6.1	73	996.2
02/07/2022	15:30:00 - 15:45:00	18	7	15	4	17	1.9	298	-6.3	73	996.1
02/07/2022	15:45:00 - 16:00:00	18	7	15	4	17	1.9	280	-6.3	73	996.0
02/07/2022	16:00:00 - 16:15:00	18	7	15	4	17	1.6	284	-6.5	74	996.0
02/07/2022	16:15:00 - 16:30:00	19	7	15	4	17	1.7	285	-6.7	74	995.9
02/07/2022	16:30:00 - 16:45:00	19	8	15	4	17	1.1	267	-6.7	75	995.9
02/07/2022	16:45:00 - 17:00:00	19	7	15	4	17	1.2	280	-6.8	75	995.8
02/07/2022	17:00:00 - 17:15:00	19	7	15	4	18	1.5	281	-7.2	75	995.7
02/07/2022	17:15:00 - 17:30:00	19	8	15	4	18	1.0	282	-7.6	77	995.6
02/07/2022	17:30:00 - 17:45:00	20	8	15	4	18	1.3	284	-7.7	77	995.8
02/07/2022	17:45:00 - 18:00:00	19	8	15	4	18	1.2	297	-7.6	78	996.0
02/07/2022	18:00:00 - 18:15:00	19	8	15	4	18	1.3	285	-7.6	77	995.8
02/07/2022	18:15:00 - 18:30:00	19	7	14	4	17	1.1	271	-7.6	76	995.8
02/07/2022	18:30:00 - 18:45:00	18	7	14	4	16	0.8	253	-7.5	76	996.0
02/07/2022	18:45:00 - 19:00:00	18	7	14	4	16	0.7	262	-7.5	76	996.1
02/07/2022	19:00:00 - 19:15:00	18	7	14	4	16	0.8	275	-7.4	76	996.2
02/07/2022	19:15:00 - 19:30:00	18	7	14	4	16	0.9	291	-7.3	76	996.4

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]
02/07/2022	19:30:00 - 19:45:00	18	7	14	4	16	1.1	283	-7.2	74	996.2
02/07/2022	19:45:00 - 20:00:00	17	7	14	4	16	0.7	240	-7.1	75	996.0
02/07/2022	20:00:00 - 20:15:00	17	7	14	4	16	0.5	267	-7.3	75	996.0
02/07/2022	20:15:00 - 20:30:00	16	6	14	4	16	0.6	230	-7.5	76	995.7
02/07/2022	20:30:00 - 20:45:00	17	7	14	4	16	0.5	304	-8.0	76	995.5
02/07/2022	20:45:00 - 21:00:00	16	7	13	4	15	0.4	310	-8.2	77	995.4
02/07/2022	21:00:00 - 21:15:00	16	7	13	4	16	0.6	325	-8.3	77	995.6
02/07/2022	21:15:00 - 21:30:00	17	7	14	4	16	0.7	329	-8.5	78	995.6
02/07/2022	21:30:00 - 21:45:00	18	7	15	4	17	0.6	6	-9.1	81	995.4
02/07/2022	21:45:00 - 22:00:00	19	7	15	4	17	0.6	35	-9.5	82	995.3
02/07/2022	22:00:00 - 22:15:00	23	11	18	5	20	0.8	45	-9.7	84	995.2
02/07/2022	22:15:00 - 22:30:00	25	14	19	8	24	0.6	35	-9.8	85	995.0
02/07/2022	22:30:00 - 22:45:00	22	12	17	8	24	0.4	20	-10.2	85	994.8
02/07/2022	22:45:00 - 23:00:00	21	10	16	7	21	0.6	23	-10.0	86	994.7
02/07/2022	23:00:00 - 23:15:00	21	9	16	6	19	0.6	38	-9.7	85	994.6
02/07/2022	23:15:00 - 23:30:00	21	8	16	5	20	0.1	85	-9.3	83	994.7
02/07/2022	23:30:00 - 23:45:00	18	7	15	4	17	0.1	267	-8.9	80	994.7
02/08/2022	23:45:00 - 00:00:00	19	7	15	4	17	0.0	199	-9.0	82	994.4
02/08/2022	00:00:00 - 00:15:00	21	8	17	4	20	0.1	44	-8.8	83	994.3
02/08/2022	00:15:00 - 00:30:00	28	10	21	6	25	0.5	124	-8.9	83	993.9
02/08/2022	00:30:00 - 00:45:00	28	10	21	6	25	0.3	139	-8.7	83	993.8
02/08/2022	00:45:00 - 01:00:00	24	9	19	5	22	0.0	177	-8.4	82	993.6
02/08/2022	01:00:00 - 01:15:00	23	8	18	5	21	0.3	126	-8.2	81	993.2
02/08/2022	01:15:00 - 01:30:00	21	7	16	5	19	0.2	174	-7.9	79	993.1
02/08/2022	01:30:00 - 01:45:00	19	7	15	4	17	0.8	87	-7.6	78	993.1
02/08/2022	01:45:00 - 02:00:00	18	7	15	4	17	0.5	120	-7.6	78	992.9
02/08/2022	02:00:00 - 02:15:00	18	7	15	4	17	0.9	128	-7.4	77	992.8
02/08/2022	02:15:00 - 02:30:00	17	7	14	4	16	0.6	133	-7.4	76	992.5
02/08/2022	02:30:00 - 02:45:00	17	7	14	4	16	0.8	138	-7.2	75	992.3
02/08/2022	02:45:00 - 03:00:00	16	6	13	4	16	0.5	158	-7.2	75	992.2
02/08/2022	03:00:00 - 03:15:00	15	6	13	4	15	0.4	141	-7.2	75	992.0
02/08/2022	03:15:00 - 03:30:00	15	6	13	3	15	1.2	127	-7.2	75	991.7
02/08/2022	03:30:00 - 03:45:00	15	6	13	3	14	1.4	130	-7.2	75	991.5
02/08/2022	03:45:00 - 04:00:00	14	6	12	3	14	1.3	131	-7.1	74	991.4
02/08/2022	04:00:00 - 04:15:00	14	6	12	3	14	1.2	133	-7.2	75	991.3
02/08/2022	04:15:00 - 04:30:00	15	6	13	3	15	1.3	134	-7.3	76	991.2
02/08/2022	04:30:00 - 04:45:00	16	6	13	4	16	1.6	136	-7.4	77	991.1
02/08/2022	04:45:00 - 05:00:00	18	7	15	4	17	1.7	130	-7.5	78	991.0
02/08/2022	05:00:00 - 05:15:00	20	8	16	4	19	1.4	129	-7.7	79	991.0
02/08/2022	05:15:00 - 05:30:00	21	8	17	5	19	1.6	133	-7.7	80	990.9
02/08/2022	05:30:00 - 05:45:00	20	8	16	4	19	1.8	136	-7.8	80	990.7
02/08/2022	05:45:00 - 06:00:00	20	8	16	5	19	2.2	137	-7.9	81	990.4
02/08/2022	06:00:00 - 06:15:00	22	8	18	5	21	1.8	133	-7.9	81	990.4
02/08/2022	06:15:00 - 06:30:00	23	9	19	5	22	1.2	135	-7.9	81	990.4
02/08/2022	06:30:00 - 06:45:00	24	9	19	5	23	1.0	135	-7.8	82	990.3
02/08/2022	06:45:00 - 07:00:00	25	9	20	6	24	0.6	125	-7.8	82	990.2
02/08/2022	07:00:00 - 07:15:00	25	9	20	6	24	0.7	127	-7.7	82	990.1
02/08/2022	07:15:00 - 07:30:00	25	9	20	6	24	0.9	133	-7.5	82	989.9
02/08/2022	07:30:00 - 07:45:00	25	9	20	6	24	1.0	143	-7.0	81	990.0
02/08/2022	07:45:00 - 08:00:00	24	9	19	5	23	0.7	160	-6.4	79	990.1
02/08/2022	08:00:00 - 08:15:00	23	8	18	5	21	1.0	163	-5.7	77	989.9
02/08/2022	08:15:00 - 08:30:00	21	8	17	5	20	0.8	174	-5.0	75	989.9
02/08/2022	08:30:00 - 08:45:00	20	7	16	4	19	0.9	198	-4.6	74	989.9
02/08/2022	08:45:00 - 09:00:00	19	7	16	4	18	1.2	207	-4.3	74	989.8
02/08/2022	09:00:00 - 09:15:00	19	7	16	4	18	1.0	196	-3.9	73	989.9
02/08/2022	09:15:00 - 09:30:00	18	7	15	4	17	0.8	180	-2.9	72	989.8
02/08/2022	09:30:00 - 09:45:00	17	7	15	4	17	1.0	172	-2.3	71	989.7
02/08/2022	09:45:00 - 10:00:00	16	6	14	4	16	1.1	156	-1.6	70	989.6
02/08/2022	10:00:00 - 10:15:00	16	6	13	4	16	1.1	169	-1.2	71	989.5
02/08/2022	10:15:00 - 10:30:00	15	6	13	4	15	1.1	165	-0.1	70	989.5
02/08/2022	10:30:00 - 10:45:00	16	6	13	4	16	1.6	183	0.9	69	989.4
02/08/2022	10:45:00 - 11:00:00	15	6	13	4	15	1.8	193	1.5	69	989.3

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]
02/08/2022	11:00:00 - 11:15:00	15	5	12	3	15	2.8	199	1.9	68	989.1
02/08/2022	11:15:00 - 11:30:00	15	5	12	3	14	2.7	205	2.1	69	988.8
02/08/2022	11:30:00 - 11:45:00	16	5	12	3	14	2.6	193	2.6	68	988.5
02/08/2022	11:45:00 - 12:00:00	16	6	12	3	14	2.4	193	3.3	68	988.3
02/08/2022	12:00:00 - 12:15:00	18	6	12	3	14	2.2	198	3.9	66	988.1
02/08/2022	12:15:00 - 12:30:00	16	5	12	3	13	1.9	190	4.4	65	988.0
02/08/2022	12:30:00 - 12:45:00	16	5	12	3	14	2.6	198	4.5	64	987.7
02/08/2022	12:45:00 - 13:00:00	16	5	12	3	14	2.4	201	4.8	64	987.3
02/08/2022	13:00:00 - 13:15:00	16	5	12	3	14	2.0	201	5.3	63	987.1
02/08/2022	13:15:00 - 13:30:00	16	6	12	3	14	1.9	199	5.6	62	986.8
02/08/2022	13:30:00 - 13:45:00	17	6	12	4	14	1.8	196	5.7	63	986.5
02/08/2022	13:45:00 - 14:00:00	17	6	12	4	14	1.5	183	6.1	63	986.4
02/08/2022	14:00:00 - 14:15:00	18	6	13	4	15	1.5	181	5.8	64	986.3
02/08/2022	14:15:00 - 14:30:00	18	6	13	4	15	1.4	181	6.1	64	986.1
02/08/2022	14:30:00 - 14:45:00	18	6	13	4	16	1.3	168	6.1	64	986.0
02/08/2022	14:45:00 - 15:00:00	18	6	13	4	16	1.7	191	5.8	65	985.8
02/08/2022	15:00:00 - 15:15:00	18	6	13	4	16	1.6	176	5.7	66	985.6
02/08/2022	15:15:00 - 15:30:00	18	6	13	5	16	1.4	171	5.4	68	985.5
02/08/2022	15:30:00 - 15:45:00	18	6	13	4	16	1.3	169	5.2	69	985.5
02/08/2022	15:45:00 - 16:00:00	18	6	13	4	15	1.2	177	5.2	69	985.5
02/08/2022	16:00:00 - 16:15:00	17	6	13	4	15	1.5	179	5.1	69	985.3
02/08/2022	16:15:00 - 16:30:00	17	6	13	4	15	1.5	180	5.1	69	985.2
02/08/2022	16:30:00 - 16:45:00	17	6	13	4	15	1.4	181	4.7	70	985.1
02/08/2022	16:45:00 - 17:00:00	Offline	6	Offline	4	15	1	156	4	72	985.2
02/08/2022	17:00:00 - 17:15:00	Offline	6	Offline	4	15	1	155	4	74	985.1
02/08/2022	17:15:00 - 17:30:00	Offline	6	Offline	3	15	1.0	143	3.8	74	985.0
02/08/2022	17:30:00 - 17:45:00	16	6	13	4	15	1.2	152	4.0	74	984.9
02/08/2022	17:45:00 - 18:00:00	15	6	13	3	15	1.3	138	3.8	74	985.0
02/08/2022	18:00:00 - 18:15:00	15	6	13	3	15	1.2	132	3.7	75	985.1
02/08/2022	18:15:00 - 18:30:00	15	6	13	3	14	1.3	150	3.5	76	985.1
02/08/2022	18:30:00 - 18:45:00	15	6	13	3	14	1.3	154	3.4	76	985.1
02/08/2022	18:45:00 - 19:00:00	14	6	12	3	14	1.3	159	3.6	76	985.0
02/08/2022	19:00:00 - 19:15:00	14	5	12	3	13	1.5	169	3.6	75	985.1
02/08/2022	19:15:00 - 19:30:00	13	5	12	3	13	1.3	160	3.8	75	985.0
02/08/2022	19:30:00 - 19:45:00	12	5	11	3	12	1.5	176	4.2	74	984.8
02/08/2022	19:45:00 - 20:00:00	11	5	10	3	11	2.3	187	4.5	72	984.8
02/08/2022	20:00:00 - 20:15:00	10	4	10	2	10	2.1	187	4.5	72	984.5
02/08/2022	20:15:00 - 20:30:00	10	4	9	2	10	2.4	198	4.5	72	984.3
02/08/2022	20:30:00 - 20:45:00	9	4	9	2	9	3.0	197	4.4	73	984.2
02/08/2022	20:45:00 - 21:00:00	9	4	8	2	9	3.5	199	4.5	73	984.1
02/08/2022	21:00:00 - 21:15:00	8	4	8	2	8	3.1	205	4.3	74	983.9
02/08/2022	21:15:00 - 21:30:00	8	4	8	2	8	2.9	197	4.2	75	983.8
02/08/2022	21:30:00 - 21:45:00	7	3	7	2	8	2.4	200	4.1	75	983.7
02/08/2022	21:45:00 - 22:00:00	7	3	7	2	7	2.3	203	3.9	76	983.7
02/08/2022	22:00:00 - 22:15:00	7	3	7	2	7	2.5	202	3.8	77	983.5
02/08/2022	22:15:00 - 22:30:00	7	3	7	2	7	2.3	200	3.7	78	983.4
02/08/2022	22:30:00 - 22:45:00	6	3	7	2	6	2.4	198	3.6	78	983.4
02/08/2022	22:45:00 - 23:00:00	6	3	7	2	6	2.0	191	3.5	79	983.4
02/08/2022	23:00:00 - 23:15:00	6	3	7	2	7	1.0	208	3.4	80	983.6
02/08/2022	23:15:00 - 23:30:00	6	3	7	2	6	1.4	220	3.3	80	983.6
02/08/2022	23:30:00 - 23:45:00	6	3	6	2	6	1.2	229	3.4	80	983.5
02/08/2022	23:45:00 - 00:00:00	6	3	6	2	6	0.9	242	3.4	81	983.6

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

**APPENDIX B      COMPLETE PRELIMINARY LAB RESULT DATA**

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Naphthalene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	2-Methylnaphthalene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	2-Chloronaphthalene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Acenaphthylene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Acenaphthene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Fluorene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Phenanthrene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Anthracene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Fluoranthene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Pyrene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Chrysene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Benzo(a)anthracene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Benzo(b)fluoranthene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Benzo(k)fluoranthene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Benzo(a)pyrene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	%R	76		Fluorene-d10
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	%R	83		Pyrene-d10
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	%R	74		Benzo(a)pyrene-d12
TO-13A	20220126-28-SE-SAM1	01/26/2022 09:35	01/28/2022 08:03	%R	74		Fluoranthene-d10
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg	1.0		Naphthalene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	2-Methylnaphthalene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	2-Chloronaphthalene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Acenaphthylene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Acenaphthene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Fluorene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Phenanthrene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Anthracene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Fluoranthene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Pyrene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Chrysene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Benzo(a)anthracene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Benzo(b)fluoranthene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Benzo(k)fluoranthene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Benzo(a)pyrene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	%R	88		Fluorene-d10
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	%R	95		Pyrene-d10
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	%R	87		Benzo(a)pyrene-d12
TO-13A	20220126-28-NE-SAM2	01/26/2022 09:21	01/28/2022 07:50	%R	88		Fluoranthene-d10
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Naphthalene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	2-Methylnaphthalene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	2-Chloronaphthalene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Acenaphthylene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Acenaphthene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Fluorene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Phenanthrene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Anthracene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Fluoranthene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Pyrene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Chrysene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Benzo(a)anthracene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Benzo(b)fluoranthene

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Benzo(k)fluoranthene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Benzo(a)pyrene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	%R	78		Fluorene-d10
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	%R	76		Pyrene-d10
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	%R	75		Benzo(a)pyrene-d12
TO-13A	20220126-28-SE-SAM3	01/26/2022 09:30	01/28/2022 07:56	%R	74		Fluoranthene-d10
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg	1.3		Naphthalene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	2-Methylnaphthalene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	2-Chloronaphthalene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Acenaphthylene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Acenaphthene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Fluorene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Phenanthrene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Anthracene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Fluoranthene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Pyrene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Chrysene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Benzo(a)anthracene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Benzo(b)fluoranthene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Benzo(k)fluoranthene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Benzo(a)pyrene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	%R	88		Fluorene-d10
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	%R	105		Pyrene-d10
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	%R	82		Benzo(a)pyrene-d12
TO-13A	20220126-28-NW-SAM4	01/26/2022 09:44	01/28/2022 08:22	%R	86		Fluoranthene-d10
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Naphthalene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	2-Methylnaphthalene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	2-Chloronaphthalene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Acenaphthylene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Acenaphthene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Fluorene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Phenanthrene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Anthracene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Fluoranthene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Pyrene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Chrysene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Benzo(a)anthracene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Benzo(b)fluoranthene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Benzo(k)fluoranthene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Benzo(a)pyrene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	%R	85		Fluorene-d10
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	%R	99		Pyrene-d10
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	%R	82		Benzo(a)pyrene-d12
TO-13A	20220126-28-SW-SAM5	01/26/2022 09:39	01/28/2022 08:10	%R	80		Fluoranthene-d10
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Naphthalene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	2-Methylnaphthalene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	2-Chloronaphthalene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Acenaphthylene

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Acenaphthene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Fluorene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Phenanthrene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Anthracene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Fluoranthene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Pyrene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Chrysene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Benzo(a)anthracene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Benzo(b)fluoranthene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Benzo(k)fluoranthene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Benzo(a)pyrene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	%R	84		Fluorene-d10
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	%R	93		Pyrene-d10
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	%R	80		Benzo(a)pyrene-d12
TO-13A	20220126-28-SAM6	01/26/2022 09:47	01/28/2022 09:50	%R	74		Fluoranthene-d10

ND - Non Detect

E - Exceeds instrument calibration range

Q - Exceeds quality control limits

S - Saturated peak

J - Estimated value

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed)

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag

N - The identification is based on presumptive evidence.

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date	Stop Date				
EPA 325	220112-26-SAM1	1/12/2022	1/26/2022	µg	0.21	U	Styrene
EPA 325	220112-26-SAM1	1/12/2022	1/26/2022	µg	0.88		Benzene
EPA 325	220112-26-SAM1	1/12/2022	1/26/2022	µg	1.1		Toluene
EPA 325	220112-26-SAM1	1/12/2022	1/26/2022	µg	0.28	U	Ethyl Benzene
EPA 325	220112-26-SAM1	1/12/2022	1/26/2022	µg	0.52	J	m,p-Xylene
EPA 325	220112-26-SAM1	1/12/2022	1/26/2022	µg	0.28	U	o-Xylene
EPA 325	220112-26-SAM2	1/12/2022	1/26/2022	µg	0.21	U	Styrene
EPA 325	220112-26-SAM2	1/12/2022	1/26/2022	µg	0.60		Benzene
EPA 325	220112-26-SAM2	1/12/2022	1/26/2022	µg	0.66		Toluene
EPA 325	220112-26-SAM2	1/12/2022	1/26/2022	µg	0.28	U	Ethyl Benzene
EPA 325	220112-26-SAM2	1/12/2022	1/26/2022	µg	0.28	U	m,p-Xylene
EPA 325	220112-26-SAM2	1/12/2022	1/26/2022	µg	0.28	U	o-Xylene
EPA 325	220112-26-SAM3	1/12/2022	1/26/2022	µg	0.21	U	Styrene
EPA 325	220112-26-SAM3	1/12/2022	1/26/2022	µg	0.62		Benzene
EPA 325	220112-26-SAM3	1/12/2022	1/26/2022	µg	0.66		Toluene
EPA 325	220112-26-SAM3	1/12/2022	1/26/2022	µg	0.28	U	Ethyl Benzene
EPA 325	220112-26-SAM3	1/12/2022	1/26/2022	µg	0.28	U	m,p-Xylene
EPA 325	220112-26-SAM3	1/12/2022	1/26/2022	µg	0.28	U	o-Xylene
EPA 325	220112-26-SAM4	1/12/2022	1/26/2022	µg	0.21	U	Styrene
EPA 325	220112-26-SAM4	1/12/2022	1/26/2022	µg	0.82		Benzene
EPA 325	220112-26-SAM4	1/12/2022	1/26/2022	µg	0.91		Toluene
EPA 325	220112-26-SAM4	1/12/2022	1/26/2022	µg	0.28	U	Ethyl Benzene
EPA 325	220112-26-SAM4	1/12/2022	1/26/2022	µg	0.56	J	m,p-Xylene
EPA 325	220112-26-SAM4	1/12/2022	1/26/2022	µg	0.28	U	o-Xylene
EPA 325	220112-26-SAM5	1/12/2022	1/26/2022	µg	0.21	U	Styrene
EPA 325	220112-26-SAM5	1/12/2022	1/26/2022	µg	0.52		Benzene
EPA 325	220112-26-SAM5	1/12/2022	1/26/2022	µg	0.55		Toluene
EPA 325	220112-26-SAM5	1/12/2022	1/26/2022	µg	0.28	U	Ethyl Benzene
EPA 325	220112-26-SAM5	1/12/2022	1/26/2022	µg	0.28	U	m,p-Xylene
EPA 325	220112-26-SAM5	1/12/2022	1/26/2022	µg	0.28	U	o-Xylene
EPA 325	220112-26-SAM6	1/12/2022	1/26/2022	µg	0.21	U	Styrene
EPA 325	220112-26-SAM6	1/12/2022	1/26/2022	µg	0.20	U	Benzene
EPA 325	220112-26-SAM6	1/12/2022	1/26/2022	µg	0.25	U	Toluene
EPA 325	220112-26-SAM6	1/12/2022	1/26/2022	µg	0.28	U	Ethyl Benzene
EPA 325	220112-26-SAM6	1/12/2022	1/26/2022	µg	0.28	U	m,p-Xylene
EPA 325	220112-26-SAM6	1/12/2022	1/26/2022	µg	0.28	U	o-Xylene

ND - Non Detect

E - Exceeds instrument calibration range

Q - Exceeds quality control limits

S - Saturated peak

J - Estimated value

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed)

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition

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