

Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

18 April 2022

Project No.: 0529307

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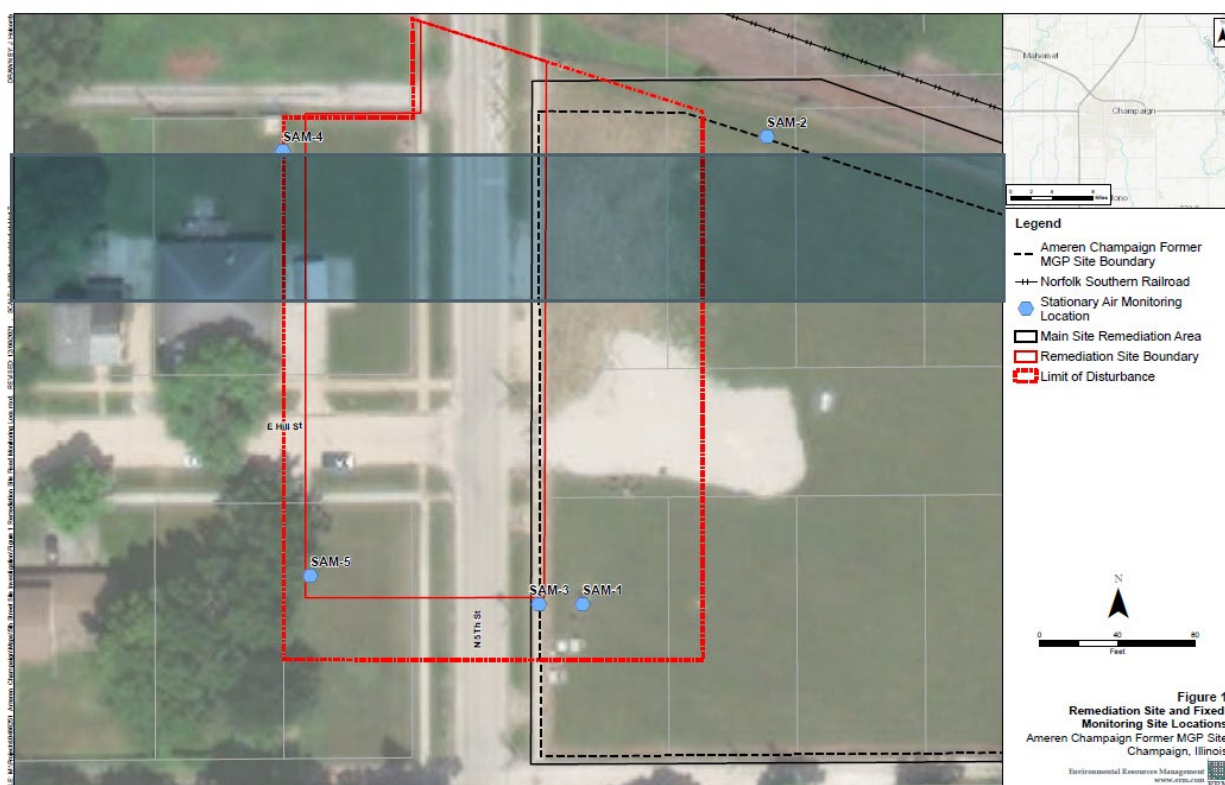
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1. INTRODUCTION

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 (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 April 6, 2022 through April 12, 2022. The laboratory results that are presented were collected between March 28 and March 30, 2022. 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 final remediation operational phase. During this period, air quality concentrations remained under the established action levels. Tables 1 and 2 present a summary of the air quality monitoring results for the reporting period.

Table 1 Reporting Period Acceptable Exposure Level Summary

CONSTITUENTS OF CONCERN (SAMPLING PERIOD, UNITS)	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACTION LEVEL
Inhalable Particulate Matter (15-min average, $\mu\text{g}/\text{m}^3$)	4/6/2022 – 4/12/2022	0	28	360
VOC (1-minute average, ppm)	4/6/2022 – 4/12/2022	0	0.1	0.5
Benzene, Real-time GC (1-minute average $\mu\text{g}/\text{m}^3$)	4/6/2022 – 4/12/2022	0	NM	156.7

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)

Table 2 Reporting Period Action Level Summary

CONSTITUENTS OF CONCERN, METHOD (SAMPLING PERIOD, UNITS)	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACCEPTABLE EXPOSURE LEVEL
Benzene, Real-time GC (1-minute average, $\mu\text{g}/\text{m}^3$)	4/6/2022 – 4/12/2022	0	NM	156.7
Styrene, Method 325B (14-day sample period, $\mu\text{g}/\text{m}^3$)	No data were received during this period.			
Benzene, Method 325B (14-day sample period, $\mu\text{g}/\text{m}^3$)	No data were received during this period.			
Toluene, Method 325B (14-day sample period, $\mu\text{g}/\text{m}^3$)	No data were received during this period.			
Xylenes (total), Method 325B (14-day sample period, $\mu\text{g}/\text{m}^3$)	No data were received during this period.			
Ethylbenzene, Method 325B (14-day sample period, $\mu\text{g}/\text{m}^3$)	No data were received during this period.			
2-methylnaphthalene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022 – 3/30/2022	0	1.8	820
Acenaphthene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022 – 3/30/2022	0	ND	12,300
Acenaphthylene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022 – 3/30/2022	0	ND	615
Anthracene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022 – 3/30/2022	0	ND	615
Benzo(a)anthracene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022 – 3/30/2022	0	ND	1.54
Benzo(a)pyrene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022 – 3/30/2022	0	ND	0.154

CONSTITUENTS OF CONCERN, METHOD (SAMPLING PERIOD, UNITS)	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACCEPTABLE EXPOSURE LEVEL
Benzo(k)fluoranthene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022–3/30/2022	0	ND	15.4
Benzo(b)fluoranthene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022–3/30/2022	0	ND	15.4
Chrysene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022–3/30/2022	0	ND	154
Dibenzo(a,h)anthracene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022–3/30/2022	0	ND	0.154
Fluoranthene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022–3/30/2022	0	ND	8,200
Fluorene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022–3/30/2022	0	ND	8,200
Indeno(1,2,3-cd)pyrene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022–3/30/2022	0	ND	1.54
Napthalene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022–3/30/2022	0	12	176
Phenanthrene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022–3/30/2022	0	ND	6,150
Pyrene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/28/2022–3/30/2022	0	ND	6,150

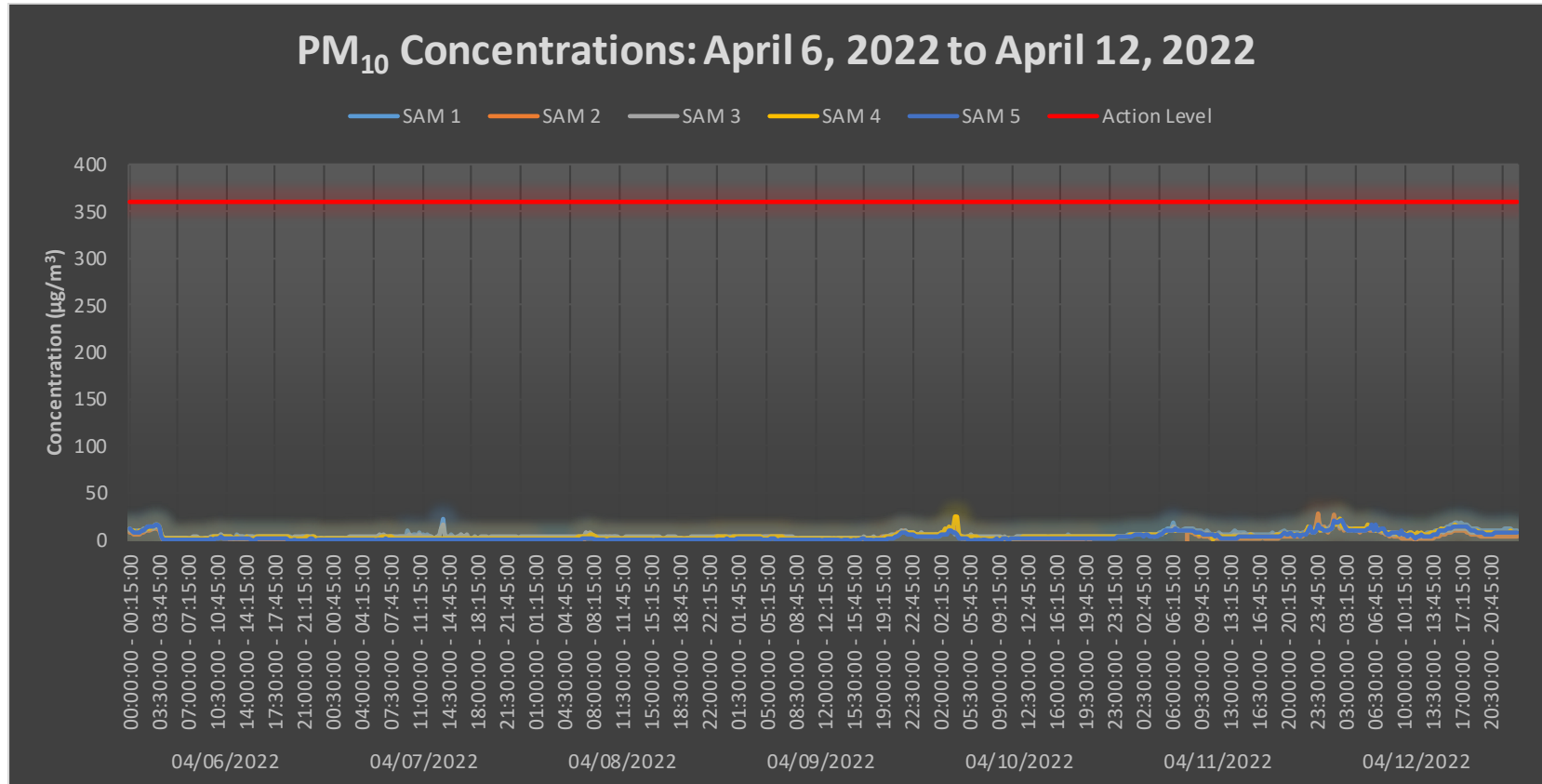
Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

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 Appendices A and B. PM_{10} concentrations for the week are presented in Figure 2.

Figure 2: PM₁₀ Concentrations



APPENDIX A COMPLETE PRELIMINARY DATA RECORD



Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/06/2022	00:00:00 - 00:15:00	12	9	10	11	11	3.0	164	12.0	95	975.1
04/06/2022	00:15:00 - 00:30:00	10	7	9	10	10	4.0	158	12.1	94	974.8
04/06/2022	00:30:00 - 00:45:00	9	6	8	9	9	3.1	162	12.2	94	974.7
04/06/2022	00:45:00 - 01:00:00	9	6	8	8	8	3.2	168	12.2	93	974.4
04/06/2022	01:00:00 - 01:15:00	9	6	8	8	8	3.3	156	12.1	94	974.1
04/06/2022	01:15:00 - 01:30:00	9	6	8	9	9	3.4	159	12.0	94	974.1
04/06/2022	01:30:00 - 01:45:00	10	7	9	10	10	2.4	171	11.8	95	974.0
04/06/2022	01:45:00 - 02:00:00	11	8	10	11	11	3.6	165	11.8	95	974.0
04/06/2022	02:00:00 - 02:15:00	13	9	11	12	12	3.5	167	11.8	95	973.7
04/06/2022	02:15:00 - 02:30:00	13	10	11	12	13	3.8	171	12.0	94	973.9
04/06/2022	02:30:00 - 02:45:00	14	10	12	13	13	3.3	169	12.0	94	973.8
04/06/2022	02:45:00 - 03:00:00	15	11	12	14	15	2.4	178	11.8	95	973.7
04/06/2022	03:00:00 - 03:15:00	16	12	13	16	16	3.8	191	11.4	97	973.8
04/06/2022	03:15:00 - 03:30:00	17	12	13	15	16	3.9	203	11.0	99	974.0
04/06/2022	03:30:00 - 03:45:00	15	11	12	14	14	5.8	212	11.1	100	974.6
04/06/2022	03:45:00 - 04:00:00	5	3	5	5	4	6.2	273	10.7	99	975.0
04/06/2022	04:00:00 - 04:15:00	1	0	2	1	0	7.6	292	9.9	98	975.2
04/06/2022	04:15:00 - 04:30:00	1	0	2	1	0	7.7	303	9.8	97	975.3
04/06/2022	04:30:00 - 04:45:00	1	0	2	1	0	8.1	323	9.7	96	974.8
04/06/2022	04:45:00 - 05:00:00	1	0	2	1	0	8.0	335	9.6	94	974.5
04/06/2022	05:00:00 - 05:15:00	1	0	2	1	0	5.3	307	9.5	94	975.0
04/06/2022	05:15:00 - 05:30:00	1	0	2	1	0	4.7	313	9.4	94	974.8
04/06/2022	05:30:00 - 05:45:00	1	0	2	1	0	5.4	308	9.2	92	975.2
04/06/2022	05:45:00 - 06:00:00	1	0	2	2	0	6.5	295	9.0	95	976.5
04/06/2022	06:00:00 - 06:15:00	1	0	2	2	0	7.0	285	8.3	97	977.8
04/06/2022	06:15:00 - 06:30:00	1	0	2	1	0	4.6	283	7.7	97	976.9
04/06/2022	06:30:00 - 06:45:00	1	0	2	1	0	4.7	289	7.3	98	976.7
04/06/2022	06:45:00 - 07:00:00	1	0	2	1	0	5.4	287	6.9	98	976.6
04/06/2022	07:00:00 - 07:15:00	1	0	2	1	0	4.8	282	6.8	98	977.0
04/06/2022	07:15:00 - 07:30:00	1	0	2	1	0	5.0	279	6.7	98	977.3
04/06/2022	07:30:00 - 07:45:00	1	1	2	1	0	4.1	270	6.6	98	977.1
04/06/2022	07:45:00 - 08:00:00	1	0	3	2	0	3.0	265	6.6	98	976.9
04/06/2022	08:00:00 - 08:15:00	1	0	3	2	0	2.6	247	6.7	99	976.7
04/06/2022	08:15:00 - 08:30:00	1	0	2	2	0	2.4	260	6.8	99	976.8
04/06/2022	08:30:00 - 08:45:00	1	0	2	2	0	2.1	230	6.7	99	976.1
04/06/2022	08:45:00 - 09:00:00	1	0	2	1	0	3.4	231	6.6	98	976.4
04/06/2022	09:00:00 - 09:15:00	1	0	2	1	0	3.5	213	6.6	98	976.7
04/06/2022	09:15:00 - 09:30:00	1	0	2	1	0	3.8	215	6.7	98	976.9
04/06/2022	09:30:00 - 09:45:00	1	0	2	1	0	5.0	264	6.8	98	976.9
04/06/2022	09:45:00 - 10:00:00	2	1	3	2	0	5.2	260	7.0	97	977.4
04/06/2022	10:00:00 - 10:15:00	4	1	4	3	0	4.8	257	7.1	96	977.5
04/06/2022	10:15:00 - 10:30:00	4	2	4	4	1	6.2	259	7.2	95	977.5
04/06/2022	10:30:00 - 10:45:00	4	3	4	4	1	4.8	250	7.6	94	977.4
04/06/2022	10:45:00 - 11:00:00	4	3	4	4	1	5.9	264	8.1	92	977.3
04/06/2022	11:00:00 - 11:15:00	5	4	5	4	2	5.1	252	9.1	88	977.3
04/06/2022	11:15:00 - 11:30:00	4	2	4	4	2	4.9	247	9.6	85	977.2
04/06/2022	11:30:00 - 11:45:00	3	1	3	3	2	5.7	260	10.0	83	977.2
04/06/2022	11:45:00 - 12:00:00	3	1	3	3	2	6.6	256	10.3	80	977.1
04/06/2022	12:00:00 - 12:15:00	2	0	3	3	1	5.3	242	10.6	79	976.9
04/06/2022	12:15:00 - 12:30:00	3	0	3	3	2	6.4	249	11.2	77	976.9
04/06/2022	12:30:00 - 12:45:00	2	0	2	2	1	6.2	253	11.5	75	976.7
04/06/2022	12:45:00 - 13:00:00	2	0	2	2	1	5.3	251	11.9	72	976.5
04/06/2022	13:00:00 - 13:15:00	5	0	4	3	1	6.2	255	12.2	69	976.4
04/06/2022	13:15:00 - 13:30:00	3	0	3	2	1	6.4	253	12.5	67	976.4
04/06/2022	13:30:00 - 13:45:00	3	0	2	2	1	5.5	261	12.9	65	976.3
04/06/2022	13:45:00 - 14:00:00	3	0	2	2	1	8.2	268	13.0	61	976.3
04/06/2022	14:00:00 - 14:15:00	2	0	2	2	1	6.0	259	13.5	60	976.1
04/06/2022	14:15:00 - 14:30:00	3	0	2	2	1	6.5	257	14.1	57	976.1
04/06/2022	14:30:00 - 14:45:00	3	0	3	2	0	5.7	254	14.1	57	976.1
04/06/2022	14:45:00 - 15:00:00	3	0	3	2	0	8.2	260	14.5	54	976.1
04/06/2022	15:00:00 - 15:15:00	3	0	2	2	0	7.5	260	13.9	55	976.1
04/06/2022	15:15:00 - 15:30:00	3	0	2	2	1	9.0	270	13.7	52	976.0

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/06/2022	15:30:00 - 15:45:00	4	0	3	3	1	8.9	265	13.9	52	976.0
04/06/2022	15:45:00 - 16:00:00	3	0	3	3	1	8.8	270	14.5	50	976.1
04/06/2022	16:00:00 - 16:15:00	4	0	3	3	1	8.8	267	14.3	50	976.1
04/06/2022	16:15:00 - 16:30:00	3	0	2	3	1	7.9	267	14.0	51	976.2
04/06/2022	16:30:00 - 16:45:00	3	0	3	3	1	6.8	271	13.8	51	976.4
04/06/2022	16:45:00 - 17:00:00	4	0	3	3	1	6.5	270	13.8	52	976.5
04/06/2022	17:00:00 - 17:15:00	4	0	3	3	1	6.3	263	13.8	52	976.6
04/06/2022	17:15:00 - 17:30:00	3	0	3	3	1	6.2	267	13.5	54	976.7
04/06/2022	17:30:00 - 17:45:00	3	0	3	3	1	6.3	269	13.4	55	976.9
04/06/2022	17:45:00 - 18:00:00	3	0	3	3	1	7.0	269	13.1	55	977.0
04/06/2022	18:00:00 - 18:15:00	3	0	3	3	1	7.9	284	12.9	56	977.4
04/06/2022	18:15:00 - 18:30:00	3	0	3	3	1	6.7	282	12.6	57	977.6
04/06/2022	18:30:00 - 18:45:00	3	0	3	3	1	5.8	278	12.3	58	977.7
04/06/2022	18:45:00 - 19:00:00	3	0	3	3	1	5.6	283	12.1	60	977.9
04/06/2022	19:00:00 - 19:15:00	3	0	3	3	0	4.7	285	11.9	62	978.0
04/06/2022	19:15:00 - 19:30:00	3	0	2	3	0	4.7	290	11.7	62	978.1
04/06/2022	19:30:00 - 19:45:00	3	0	2	2	0	4.9	287	11.6	60	978.2
04/06/2022	19:45:00 - 20:00:00	2	0	2	2	0	4.7	286	11.5	61	978.4
04/06/2022	20:00:00 - 20:15:00	2	0	2	2	0	5.4	285	11.3	61	978.5
04/06/2022	20:15:00 - 20:30:00	2	0	3	2	0	4.4	285	11.2	60	978.6
04/06/2022	20:30:00 - 20:45:00	2	0	3	2	0	4.7	275	10.9	60	978.7
04/06/2022	20:45:00 - 21:00:00	3	0	3	2	0	3.4	272	10.8	63	978.8
04/06/2022	21:00:00 - 21:15:00	3	0	3	2	0	4.3	274	10.7	63	978.8
04/06/2022	21:15:00 - 21:30:00	3	1	3	3	0	5.0	276	10.6	63	979.0
04/06/2022	21:30:00 - 21:45:00	3	1	3	2	0	3.5	282	10.4	64	978.9
04/06/2022	21:45:00 - 22:00:00	3	0	3	2	1	3.9	284	10.2	66	978.9
04/06/2022	22:00:00 - 22:15:00	3	1	3	3	0	4.2	273	10.0	67	979.0
04/06/2022	22:15:00 - 22:30:00	2	0	3	2	0	5.4	281	9.8	67	979.0
04/06/2022	22:30:00 - 22:45:00	2	0	2	2	0	7.1	281	9.5	67	978.9
04/06/2022	22:45:00 - 23:00:00	2	0	2	2	0	6.8	283	9.4	66	978.9
04/06/2022	23:00:00 - 23:15:00	2	0	2	2	0	6.8	284	9.1	67	978.8
04/06/2022	23:15:00 - 23:30:00	2	0	2	2	0	5.3	282	8.7	68	979.0
04/06/2022	23:30:00 - 23:45:00	1	0	2	1	0	6.8	282	8.4	68	979.1
04/06/2022	23:45:00 - 00:00:00	1	0	2	1	0	6.8	282	7.9	70	979.1
04/07/2022	00:00:00 - 00:15:00	1	0	2	1	0	5.7	285	7.4	71	979.2
04/07/2022	00:15:00 - 00:30:00	1	0	2	1	0	6.1	276	7.0	72	979.2
04/07/2022	00:30:00 - 00:45:00	1	0	2	1	0	5.8	274	6.7	70	979.2
04/07/2022	00:45:00 - 01:00:00	1	0	2	1	0	5.1	277	6.5	71	979.2
04/07/2022	01:00:00 - 01:15:00	1	1	2	1	0	5.0	283	6.4	72	979.2
04/07/2022	01:15:00 - 01:30:00	1	0	2	1	0	5.3	279	6.4	72	979.2
04/07/2022	01:30:00 - 01:45:00	1	0	2	1	0	6.0	280	6.5	72	979.1
04/07/2022	01:45:00 - 02:00:00	1	0	2	1	0	5.2	270	6.4	73	978.9
04/07/2022	02:00:00 - 02:15:00	1	0	2	1	0	6.2	272	6.4	73	978.9
04/07/2022	02:15:00 - 02:30:00	1	1	2	1	0	6.1	286	6.1	75	979.0
04/07/2022	02:30:00 - 02:45:00	1	1	3	2	0	7.2	278	5.5	79	979.0
04/07/2022	02:45:00 - 03:00:00	1	1	3	2	0	6.2	276	4.9	83	978.9
04/07/2022	03:00:00 - 03:15:00	2	1	3	2	0	6.4	270	5.0	83	978.8
04/07/2022	03:15:00 - 03:30:00	2	1	3	2	0	6.6	269	5.1	81	978.7
04/07/2022	03:30:00 - 03:45:00	2	1	3	2	0	6.6	274	5.3	80	978.6
04/07/2022	03:45:00 - 04:00:00	2	1	3	2	0	5.7	268	5.3	80	978
04/07/2022	04:00:00 - 04:15:00	2	1	3	2	0	6.1	263	5.3	81	978
04/07/2022	04:15:00 - 04:30:00	2	1	3	2	0	5.7	266	5.3	80	978
04/07/2022	04:30:00 - 04:45:00	2	1	3	2	0	4.5	257	5.3	80	978
04/07/2022	04:45:00 - 05:00:00	2	1	3	2	0	5.0	261	5.2	80	978
04/07/2022	05:00:00 - 05:15:00	2	1	3	2	0	5.7	261	4.8	82	978
04/07/2022	05:15:00 - 05:30:00	2	1	3	2	0	5.3	265	4.5	82	978
04/07/2022	05:30:00 - 05:45:00	2	1	3	2	0	4.8	259	4.6	82	978
04/07/2022	05:45:00 - 06:00:00	2	1	3	2	0	3.8	255	4.6	81	978
04/07/2022	06:00:00 - 06:15:00	2	2	3	2	0	4.9	257	4.4	81	978
04/07/2022	06:15:00 - 06:30:00	4	2	5	2	0	3.2	222	4.4	81	978
04/07/2022	06:30:00 - 06:45:00	2	2	4	3	0	3.7	221	4.0	84	978
04/07/2022	06:45:00 - 07:00:00	3	2	5	3	0	3.4	229	4.0	85	978

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/07/2022	07:00:00 - 07:15:00	2	2	4	3	1	3.3	223	4.3	84	978
04/07/2022	07:15:00 - 07:30:00	2	2	4	3	0	3.9	236	4.3	84	978
04/07/2022	07:30:00 - 07:45:00	2	2	4	3	0	4.6	248	4.6	82	978
04/07/2022	07:45:00 - 08:00:00	3	2	4	3	0	4.7	251	4.9	79	978
04/07/2022	08:00:00 - 08:15:00	4	2	4	2	0	5.2	258	5.2	76	978
04/07/2022	08:15:00 - 08:30:00	2	2	3	2	0	5.8	259	5.8	72	978
04/07/2022	08:30:00 - 08:45:00	3	1	4	2	0	7.3	271	6.4	67	978
04/07/2022	08:45:00 - 09:00:00	3	1	4	2	0	7.4	265	6.6	65	978
04/07/2022	09:00:00 - 09:15:00	4	1	4	2	0	9.7	272	6.6	62	977.9
04/07/2022	09:15:00 - 09:30:00	2	1	3	2	0	7.9	269	6.8	62	977.8
04/07/2022	09:30:00 - 09:45:00	10	0	4	2	0	8.9	272	6.5	61	977.8
04/07/2022	09:45:00 - 10:00:00	6	0	5	2	0	9.0	270	6.5	61	977.9
04/07/2022	10:00:00 - 10:15:00	4	0	4	2	0	8.3	281	6.8	59	978.0
04/07/2022	10:15:00 - 10:30:00	5	0	4	2	0	8.7	270	7.0	56	978.0
04/07/2022	10:30:00 - 10:45:00	6	0	4	2	0	11.3	271	6.5	56	978.1
04/07/2022	10:45:00 - 11:00:00	4	0	3	2	0	8.0	274	6.3	58	978.2
04/07/2022	11:00:00 - 11:15:00	7	0	5	2	0	7.6	272	6.6	57	978.2
04/07/2022	11:15:00 - 11:30:00	4	0	4	2	0	8.9	269	7.1	54	978.1
04/07/2022	11:30:00 - 11:45:00	5	0	4	2	0	9.4	275	7.2	53	978.1
04/07/2022	11:45:00 - 12:00:00	4	0	4	1	0	10.0	272	6.9	55	977.9
04/07/2022	12:00:00 - 12:15:00	6	2	4	1	0	8.8	264	7.2	55	977.9
04/07/2022	12:15:00 - 12:30:00	4	0	4	1	0	8.5	264	7.5	54	977.9
04/07/2022	12:30:00 - 12:45:00	4	0	3	1	0	8.9	271	7.7	55	978.0
04/07/2022	12:45:00 - 13:00:00	1	1	2	1	0	7.9	264	7.9	54	977.9
04/07/2022	13:00:00 - 13:15:00	2	0	2	2	0	8.7	268	7.5	57	978.1
04/07/2022	13:15:00 - 13:30:00	4	0	3	2	0	8.4	282	6.9	61	978.3
04/07/2022	13:30:00 - 13:45:00	4	0	4	2	0	9.1	274	6.0	68	978.5
04/07/2022	13:45:00 - 14:00:00	12	0	12	2	0	8.0	272	6.6	65	978.4
04/07/2022	14:00:00 - 14:15:00	22	0	15	2	0	8.8	267	6.9	63	978.3
04/07/2022	14:15:00 - 14:30:00	3	0	3	1	0	8.3	266	7.0	61	978.3
04/07/2022	14:30:00 - 14:45:00	2	0	3	2	0	7.6	267	7.3	58	978.3
04/07/2022	14:45:00 - 15:00:00	6	0	4	2	0	9.3	268	6.9	60	978.5
04/07/2022	15:00:00 - 15:15:00	4	0	4	2	0	9.2	269	6.7	62	978.7
04/07/2022	15:15:00 - 15:30:00	1	0	2	2	0	8.3	265	6.6	61	978.7
04/07/2022	15:30:00 - 15:45:00	2	0	2	2	0	8.5	268	6.6	62	978.8
04/07/2022	15:45:00 - 16:00:00	1	0	3	2	0	8.3	273	6.4	63	978.9
04/07/2022	16:00:00 - 16:15:00	5	0	6	2	0	8.0	269	6.2	64	979.0
04/07/2022	16:15:00 - 16:30:00	3	1	4	2	0	7.3	271	6.2	65	978.9
04/07/2022	16:30:00 - 16:45:00	2	1	3	2	0	7.0	271	6.0	68	979.0
04/07/2022	16:45:00 - 17:00:00	4	0	5	2	0	7.8	276	6.2	65	979.1
04/07/2022	17:00:00 - 17:15:00	1	0	2	2	0	7.3	275	6.4	64	979.1
04/07/2022	17:15:00 - 17:30:00	2	0	2	1	0	7.7	268	6.5	63	979.1
04/07/2022	17:30:00 - 17:45:00	1	0	2	2	0	7.5	270	6.6	63	979.2
04/07/2022	17:45:00 - 18:00:00	3	0	3	2	0	8.5	273	6.5	62	979.2
04/07/2022	18:00:00 - 18:15:00	1	0	2	2	0	8.1	268	6.4	63	979.3
04/07/2022	18:15:00 - 18:30:00	1	0	2	2	0	8.5	271	6.3	64	979.2
04/07/2022	18:30:00 - 18:45:00	1	0	3	2	0	8.3	271	6.2	65	979.3
04/07/2022	18:45:00 - 19:00:00	2	1	3	2	0	9.1	272	6.0	64	979.3
04/07/2022	19:00:00 - 19:15:00	1	1	3	2	0	6.4	264	5.9	66	979.2
04/07/2022	19:15:00 - 19:30:00	1	0	3	2	0	6.5	260	5.8	67	979.2
04/07/2022	19:30:00 - 19:45:00	1	0	2	1	0	5.1	258	5.7	68	979.2
04/07/2022	19:45:00 - 20:00:00	1	1	2	2	0	6.0	258	5.3	71	979.3
04/07/2022	20:00:00 - 20:15:00	1	1	3	2	0	7.4	265	5.0	74	979.3
04/07/2022	20:15:00 - 20:30:00	1	1	3	2	0	7.2	260	4.8	77	979.3
04/07/2022	20:30:00 - 20:45:00	1	1	3	2	0	7.3	255	4.7	79	979.3
04/07/2022	20:45:00 - 21:00:00	1	1	3	2	0	4.4	247	4.4	82	979.3
04/07/2022	21:00:00 - 21:15:00	1	1	3	2	0	4.6	256	4.3	85	979.4
04/07/2022	21:15:00 - 21:30:00	1	1	3	2	0	5.2	253	4.0	88	979.3
04/07/2022	21:30:00 - 21:45:00	1	1	3	2	0	6.2	255	3.8	89	979.3
04/07/2022	21:45:00 - 22:00:00	1	1	3	2	0	5.8	256	3.7	90	979.2
04/07/2022	22:00:00 - 22:15:00	1	1	3	2	0	6.1	260	3.4	92	979.1
04/07/2022	22:15:00 - 22:30:00	1	1	3	2	0	5.4	253	3.3	93	978.9

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Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/07/2022	22:30:00 - 22:45:00	1	1	3	2	0	5.1	252	3.1	94	978.8
04/07/2022	22:45:00 - 23:00:00	1	1	3	2	0	4.0	243	3.0	95	978.6
04/07/2022	23:00:00 - 23:15:00	0	1	2	2	0	5.4	253	2.9	95	978.5
04/07/2022	23:15:00 - 23:30:00	1	1	3	2	0	5.5	254	2.9	96	978.3
04/07/2022	23:30:00 - 23:45:00	1	1	3	2	0	4.4	257	3.1	96	978.1
04/07/2022	23:45:00 - 00:00:00	1	1	3	2	0	3.8	257	3.2	96	978.0
04/08/2022	00:00:00 - 00:15:00	1	1	3	2	0	4.6	257	3.4	96	977.9
04/08/2022	00:15:00 - 00:30:00	1	0	3	2	0	3.4	243	3.5	95	977.9
04/08/2022	00:30:00 - 00:45:00	1	0	3	2	0	4.5	256	3.5	95	977.8
04/08/2022	00:45:00 - 01:00:00	1	Offline	3	2	0	5.1	264	3.5	95	977.7
04/08/2022	01:00:00 - 01:15:00	1	Offline	3	2	0	5.4	261	3.4	95	977.6
04/08/2022	01:15:00 - 01:30:00	1	Offline	3	2	0	4.9	264	3.5	95	977.5
04/08/2022	01:30:00 - 01:45:00	1	Offline	3	2	0	4.7	266	3.5	94	977.5
04/08/2022	01:45:00 - 02:00:00	2	Offline	3	2	0	4.5	273	3.5	94	977.3
04/08/2022	02:00:00 - 02:15:00	1	Offline	3	2	0	4.5	272	3.5	93	977.2
04/08/2022	02:15:00 - 02:30:00	1	Offline	3	2	0	4.8	266	3.3	93	977.1
04/08/2022	02:30:00 - 02:45:00	1	Offline	3	2	0	4.9	274	3.2	92	977.1
04/08/2022	02:45:00 - 03:00:00	1	Offline	3	2	0	3.8	268	3.2	90	977.1
04/08/2022	03:00:00 - 03:15:00	1	Offline	3	2	0	3.9	243	3.1	91	977.1
04/08/2022	03:15:00 - 03:30:00	1	Offline	3	2	0	4.7	247	3.0	91	977.1
04/08/2022	03:30:00 - 03:45:00	1	Offline	3	2	0	3.6	255	2.8	91	977.1
04/08/2022	03:45:00 - 04:00:00	1	Offline	3	2	0	4.0	254	2.7	92	977.1
04/08/2022	04:00:00 - 04:15:00	1	Offline	3	2	0	4.6	255	2.6	92	977.0
04/08/2022	04:15:00 - 04:30:00	1	Offline	3	2	0	3.4	250	2.6	91	977.0
04/08/2022	04:30:00 - 04:45:00	1	Offline	3	2	0	2.6	256	2.6	90	977.0
04/08/2022	04:45:00 - 05:00:00	1	Offline	3	2	0	3.9	264	2.6	89	977.1
04/08/2022	05:00:00 - 05:15:00	1	Offline	3	2	0	3.4	269	2.4	90	977.2
04/08/2022	05:15:00 - 05:30:00	1	Offline	3	2	0	4.4	262	2.2	92	977.2
04/08/2022	05:30:00 - 05:45:00	1	Offline	3	2	0	3.7	279	2.1	93	977.3
04/08/2022	05:45:00 - 06:00:00	1	Offline	3	2	0	4.0	267	2.0	93	977.4
04/08/2022	06:00:00 - 06:15:00	1	Offline	3	2	0	4.5	259	2.0	94	977.5
04/08/2022	06:15:00 - 06:30:00	2	Offline	4	3	0	2.6	252	2.0	95	977.5
04/08/2022	06:30:00 - 06:45:00	2	Offline	4	3	0	3.5	256	1.8	96	977.6
04/08/2022	06:45:00 - 07:00:00	3	Offline	4	3	1	3.1	225	1.8	96	977.7
04/08/2022	07:00:00 - 07:15:00	2	4	4	3	0	2.8	252	1.9	96	977.9
04/08/2022	07:15:00 - 07:30:00	7	4	7	3	1	1.5	235	2.1	96	978.1
04/08/2022	07:30:00 - 07:45:00	5	3	6	4	1	3.0	242	2.1	96	978.2
04/08/2022	07:45:00 - 08:00:00	7	4	7	5	2	3.7	263	2.0	96	978.3
04/08/2022	08:00:00 - 08:15:00	4	4	5	5	2	3.0	267	1.7	96	978.4
04/08/2022	08:15:00 - 08:30:00	2	2	4	3	0	3.0	273	1.7	95	978.5
04/08/2022	08:30:00 - 08:45:00	1	2	3	2	0	4.5	291	2.0	95	978.6
04/08/2022	08:45:00 - 09:00:00	1	2	3	2	0	2.7	274	2.1	94	978.6
04/08/2022	09:00:00 - 09:15:00	2	1	4	2	0	4.5	295	2.5	92	978.7
04/08/2022	09:15:00 - 09:30:00	1	1	3	2	0	3.7	283	2.6	88	978.8
04/08/2022	09:30:00 - 09:45:00	3	2	4	2	0	4.6	267	2.4	88	979.0
04/08/2022	09:45:00 - 10:00:00	2	2	4	2	0	4.3	289	2.5	86	979.2
04/08/2022	10:00:00 - 10:15:00	1	3	3	2	0	3.4	271	3.2	83	979.3
04/08/2022	10:15:00 - 10:30:00	2	1	4	2	0	4.4	284	3.3	81	979.4
04/08/2022	10:30:00 - 10:45:00	3	1	4	2	0	4.4	290	3.6	79	979.6
04/08/2022	10:45:00 - 11:00:00	2	1	3	1	0	4.2	316	2.7	84	979.7
04/08/2022	11:00:00 - 11:15:00	1	1	3	1	0	2.7	307	3.4	82	979.7
04/08/2022	11:15:00 - 11:30:00	1	1	2	1	0	4.8	299	3.8	81	979.7
04/08/2022	11:30:00 - 11:45:00	1	1	2	1	0	4.7	292	3.4	84	979.8
04/08/2022	11:45:00 - 12:00:00	1	1	2	1	0	4.9	289	3.2	88	979.9
04/08/2022	12:00:00 - 12:15:00	1	1	3	2	0	2.0	277	3.1	90	979.9
04/08/2022	12:15:00 - 12:30:00	1	1	3	1	0	4.1	276	3.6	86	979.9
04/08/2022	12:30:00 - 12:45:00	2	1	3	1	0	4.8	294	3.8	84	980.0
04/08/2022	12:45:00 - 13:00:00	1	1	3	1	0	6.5	282	3.8	83	980.1
04/08/2022	13:00:00 - 13:15:00	1	1	3	2	0	6.2	284	3.6	83	980.2
04/08/2022	13:15:00 - 13:30:00	1	1	3	2	0	5.9	286	3.7	84	980.3
04/08/2022	13:30:00 - 13:45:00	1	1	3	2	0	6.1	290	3.9	83	980.4
04/08/2022	13:45:00 - 14:00:00	1	1	3	2	0	5.0	289	4.1	82	980.5

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/08/2022	14:00:00 - 14:15:00	1	1	3	1	0	6.6	287	4.2	82	980.6
04/08/2022	14:15:00 - 14:30:00	2	1	3	1	0	5.2	298	4.0	85	980.7
04/08/2022	14:30:00 - 14:45:00	1	1	3	1	0	4.8	293	3.8	87	980.7
04/08/2022	14:45:00 - 15:00:00	1	1	3	2	0	5.8	281	3.8	86	980.8
04/08/2022	15:00:00 - 15:15:00	1	1	3	2	0	5.9	284	3.9	84	980.9
04/08/2022	15:15:00 - 15:30:00	1	2	3	2	0	5.9	296	3.8	84	981.0
04/08/2022	15:30:00 - 15:45:00	1	2	3	2	0	5.4	292	3.8	84	981.0
04/08/2022	15:45:00 - 16:00:00	1	2	3	2	0	7.2	297	3.9	83	981.1
04/08/2022	16:00:00 - 16:15:00	1	1	3	2	0	5.8	289	3.8	85	981.3
04/08/2022	16:15:00 - 16:30:00	0	1	2	1	0	6.7	301	4.0	85	981.3
04/08/2022	16:30:00 - 16:45:00	0	1	2	1	0	6.8	297	3.8	87	981.4
04/08/2022	16:45:00 - 17:00:00	0	1	2	1	0	6.9	301	4.0	87	981.5
04/08/2022	17:00:00 - 17:15:00	1	1	3	1	0	5.8	290	3.7	89	981.6
04/08/2022	17:15:00 - 17:30:00	1	1	3	2	0	5.9	293	3.4	91	981.8
04/08/2022	17:30:00 - 17:45:00	1	1	2	1	0	6.3	294	3.6	89	981.9
04/08/2022	17:45:00 - 18:00:00	1	1	3	2	0	6.0	287	3.5	88	982.0
04/08/2022	18:00:00 - 18:15:00	0	1	2	1	0	5.7	302	2.8	91	982.2
04/08/2022	18:15:00 - 18:30:00	0	1	2	1	0	5.1	295	2.8	92	982.3
04/08/2022	18:30:00 - 18:45:00	0	1	2	1	0	5.3	286	2.7	91	982.4
04/08/2022	18:45:00 - 19:00:00	0	1	2	1	0	5.5	283	2.3	92	982.4
04/08/2022	19:00:00 - 19:15:00	0	1	2	1	0	5.2	295	2.5	92	982.5
04/08/2022	19:15:00 - 19:30:00	0	1	2	1	0	3.7	300	2.4	93	982.6
04/08/2022	19:30:00 - 19:45:00	0	1	2	1	0	4.4	304	2.2	92	982.7
04/08/2022	19:45:00 - 20:00:00	0	1	2	1	0	4.2	303	2.1	93	982.9
04/08/2022	20:00:00 - 20:15:00	0	2	3	1	0	3.3	287	2.1	94	983.1
04/08/2022	20:15:00 - 20:30:00	0	1	3	2	0	4.4	290	2.0	94	983.3
04/08/2022	20:30:00 - 20:45:00	0	2	3	2	0	5.2	296	1.8	94	983.4
04/08/2022	20:45:00 - 21:00:00	1	2	3	2	0	4.3	299	1.8	95	983.7
04/08/2022	21:00:00 - 21:15:00	1	1	3	2	0	3.5	310	1.8	95	983.7
04/08/2022	21:15:00 - 21:30:00	1	2	3	2	0	3.1	304	1.7	96	983.8
04/08/2022	21:30:00 - 21:45:00	1	2	3	2	0	2.6	293	1.7	96	983.8
04/08/2022	21:45:00 - 22:00:00	1	2	3	2	0	2.4	290	1.7	96	983.7
04/08/2022	22:00:00 - 22:15:00	1	2	3	2	0	2.0	286	1.8	96	983.6
04/08/2022	22:15:00 - 22:30:00	1	2	3	2	0	3.3	278	1.8	96	983.5
04/08/2022	22:30:00 - 22:45:00	1	2	3	2	0	3.4	281	1.7	95	983.6
04/08/2022	22:45:00 - 23:00:00	1	3	3	2	0	3.7	277	1.7	95	983.5
04/08/2022	23:00:00 - 23:15:00	2	3	4	3	0	4.8	274	1.4	95	983.5
04/08/2022	23:15:00 - 23:30:00	2	2	4	3	0	3.1	290	1.3	96	983.5
04/08/2022	23:30:00 - 23:45:00	2	2	4	3	0	4.3	288	1.3	96	983.3
04/08/2022	23:45:00 - 00:00:00	2	2	4	3	0	3.8	286	1.4	96	983.3
04/09/2022	00:00:00 - 00:15:00	2	3	4	3	0	3.5	280	1.3	96	983.2
04/09/2022	00:15:00 - 00:30:00	2	2	4	3	0	3.0	304	1.2	96	983.3
04/09/2022	00:30:00 - 00:45:00	1	1	3	2	0	3.3	311	0.6	96	983.3
04/09/2022	00:45:00 - 01:00:00	1	2	3	2	0	3.3	302	0.7	97	983.3
04/09/2022	01:00:00 - 01:15:00	2	2	4	3	0	2.9	296	0.7	97	983.3
04/09/2022	01:15:00 - 01:30:00	2	2	4	3	0	3.4	294	0.8	97	983.2
04/09/2022	01:30:00 - 01:45:00	2	2	4	3	1	3.7	296	0.9	97	983.1
04/09/2022	01:45:00 - 02:00:00	2	3	4	3	1	2.8	292	0.9	97	983.1
04/09/2022	02:00:00 - 02:15:00	2	3	4	3	1	2.8	276	0.9	97	983.1
04/09/2022	02:15:00 - 02:30:00	2	3	4	3	1	2.7	283	0.8	97	983.1
04/09/2022	02:30:00 - 02:45:00	2	3	4	3	1	2.2	260	0.7	97	983.1
04/09/2022	02:45:00 - 03:00:00	2	3	4	3	1	3.0	278	0.7	97	982.9
04/09/2022	03:00:00 - 03:15:00	2	3	4	3	1	3.5	273	0.8	97	982.8
04/09/2022	03:15:00 - 03:30:00	2	3	4	3	1	2.0	269	0.9	97	982.9
04/09/2022	03:30:00 - 03:45:00	2	3	4	3	1	1.9	298	1.0	97	983.0
04/09/2022	03:45:00 - 04:00:00	2	3	4	3	1	1.2	296	1.0	96	983.2
04/09/2022	04:00:00 - 04:15:00	2	3	4	3	1	1.1	300	1.0	95	983.2
04/09/2022	04:15:00 - 04:30:00	2	2	4	3	0	1.6	305	1.0	94	983.3
04/09/2022	04:30:00 - 04:45:00	1	2	3	2	0	1.7	286	1.0	93	983.3
04/09/2022	04:45:00 - 05:00:00	1	3	3	2	0	2.3	289	0.9	91	983.3
04/09/2022	05:00:00 - 05:15:00	1	3	3	2	0	2.3	266	0.9	92	983.4
04/09/2022	05:15:00 - 05:30:00	1	4	3	2	0	2.7	257	0.8	93	983.5

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/09/2022	05:30:00 - 05:45:00	2	4	4	3	1	2.9	270	0.7	94	983.6
04/09/2022	05:45:00 - 06:00:00	2	4	4	3	1	2.9	275	0.5	94	983.9
04/09/2022	06:00:00 - 06:15:00	2	4	4	3	1	3.2	274	0.4	93	983.9
04/09/2022	06:15:00 - 06:30:00	2	4	4	3	0	2.0	271	0.2	94	984.1
04/09/2022	06:30:00 - 06:45:00	2	3	4	3	0	1.9	270	0.2	94	984.3
04/09/2022	06:45:00 - 07:00:00	1	3	4	3	0	2.6	275	0.5	93	984.7
04/09/2022	07:00:00 - 07:15:00	1	2	3	3	0	3.3	285	0.8	91	985.0
04/09/2022	07:15:00 - 07:30:00	1	2	3	2	0	3.5	278	1.1	89	985.2
04/09/2022	07:30:00 - 07:45:00	0	2	3	2	0	2.9	288	1.5	87	985.1
04/09/2022	07:45:00 - 08:00:00	0	2	3	2	0	3.7	295	1.9	85	985.2
04/09/2022	08:00:00 - 08:15:00	0	2	2	1	0	3.6	300	2.2	83	985.2
04/09/2022	08:15:00 - 08:30:00	0	1	2	1	0	3.9	293	2.7	80	985.4
04/09/2022	08:30:00 - 08:45:00	0	1	2	1	0	4.7	294	3.0	77	985.5
04/09/2022	08:45:00 - 09:00:00	0	1	2	1	0	4.5	293	3.5	75	985.6
04/09/2022	09:00:00 - 09:15:00	0	1	2	1	0	5.9	293	3.9	73	985.7
04/09/2022	09:15:00 - 09:30:00	0	1	2	1	0	6.2	284	4.2	73	985.9
04/09/2022	09:30:00 - 09:45:00	1	1	2	1	0	6.6	295	4.6	71	986.1
04/09/2022	09:45:00 - 10:00:00	1	0	2	1	0	7.5	310	5.1	65	986.2
04/09/2022	10:00:00 - 10:15:00	1	0	2	1	0	7.7	318	5.4	64	986.2
04/09/2022	10:15:00 - 10:30:00	1	0	2	1	0	7.9	325	5.8	61	986.3
04/09/2022	10:30:00 - 10:45:00	1	0	2	1	0	5.8	318	6.3	59	986.4
04/09/2022	10:45:00 - 11:00:00	1	0	2	1	0	7.1	316	6.3	59	986.4
04/09/2022	11:00:00 - 11:15:00	1	0	2	1	0	6.8	304	6.5	58	986.5
04/09/2022	11:15:00 - 11:30:00	1	0	2	1	0	7.6	321	6.8	54	986.5
04/09/2022	11:30:00 - 11:45:00	1	0	2	1	0	6.7	314	6.6	54	986.5
04/09/2022	11:45:00 - 12:00:00	1	0	2	1	0	8.1	324	7.1	53	986.5
04/09/2022	12:00:00 - 12:15:00	1	0	2	1	0	7.0	304	7.4	52	986.5
04/09/2022	12:15:00 - 12:30:00	1	0	2	1	0	6.7	289	7.3	54	986.5
04/09/2022	12:30:00 - 12:45:00	1	0	2	1	0	7.4	299	7.2	55	986.5
04/09/2022	12:45:00 - 13:00:00	1	0	2	2	0	6.5	302	7.4	56	986.5
04/09/2022	13:00:00 - 13:15:00	2	0	2	2	0	5.8	290	7.4	58	986.5
04/09/2022	13:15:00 - 13:30:00	1	0	2	2	0	6.3	307	7.8	54	986.4
04/09/2022	13:30:00 - 13:45:00	2	0	2	2	0	6.8	306	7.7	55	986.5
04/09/2022	13:45:00 - 14:00:00	2	0	2	2	0	6.2	302	8.2	52	986.4
04/09/2022	14:00:00 - 14:15:00	2	0	2	2	0	5.4	303	8.5	52	986.5
04/09/2022	14:15:00 - 14:30:00	2	0	2	2	0	6.1	301	8.5	51	986.5
04/09/2022	14:30:00 - 14:45:00	2	0	2	2	0	5.7	305	8.4	51	986.4
04/09/2022	14:45:00 - 15:00:00	2	0	2	2	0	5.0	309	8.6	51	986.5
04/09/2022	15:00:00 - 15:15:00	2	0	2	2	0	4.9	286	8.6	51	986.5
04/09/2022	15:15:00 - 15:30:00	2	0	2	2	0	4.5	290	8.7	50	986.5
04/09/2022	15:30:00 - 15:45:00	2	0	2	2	0	5.3	286	8.9	49	986.5
04/09/2022	15:45:00 - 16:00:00	2	0	2	2	0	4.1	290	9.0	49	986.5
04/09/2022	16:00:00 - 16:15:00	2	0	2	2	0	5.2	297	9.3	48	986.4
04/09/2022	16:15:00 - 16:30:00	2	0	2	2	0	4.0	302	9.1	49	986.4
04/09/2022	16:30:00 - 16:45:00	2	0	2	2	0	4.8	329	9.7	48	986.3
04/09/2022	16:45:00 - 17:00:00	2	0	2	2	0	4.4	315	9.9	47	986.3
04/09/2022	17:00:00 - 17:15:00	2	0	2	2	0	4.9	295	10.1	46	986.4
04/09/2022	17:15:00 - 17:30:00	2	0	2	2	0	4.4	311	10.2	46	986.4
04/09/2022	17:30:00 - 17:45:00	2	0	2	2	0	4.5	311	10.1	45	986.4
04/09/2022	17:45:00 - 18:00:00	2	0	2	2	0	3.6	287	10.1	45	986.5
04/09/2022	18:00:00 - 18:15:00	2	0	2	2	0	3.4	317	9.8	46	986.5
04/09/2022	18:15:00 - 18:30:00	2	0	2	2	0	3.8	308	9.6	46	986.4
04/09/2022	18:30:00 - 18:45:00	2	0	2	2	0	3.3	320	9.5	47	986.4
04/09/2022	18:45:00 - 19:00:00	2	2	2	2	0	2.3	336	9.2	47	986.4
04/09/2022	19:00:00 - 19:15:00	2	3	2	2	0	1.4	349	8.8	49	986.4
04/09/2022	19:15:00 - 19:30:00	2	3	3	2	0	0.5	309	8.2	51	986.4
04/09/2022	19:30:00 - 19:45:00	3	1	3	3	0	0.9	267	7.9	51	986.4
04/09/2022	19:45:00 - 20:00:00	3	2	4	3	1	0.6	222	7.3	52	986.5
04/09/2022	20:00:00 - 20:15:00	4	3	5	4	2	0.6	193	6.7	55	986.7
04/09/2022	20:15:00 - 20:30:00	4	4	5	4	2	0.6	125	5.9	59	986.8
04/09/2022	20:30:00 - 20:45:00	4	4	5	5	3	0.7	136	4.7	63	987.0
04/09/2022	20:45:00 - 21:00:00	5	7	5	6	4	1.1	87	4.4	66	987.3

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Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/09/2022	21:00:00 - 21:15:00	6	7	7	7	5	1.0	101	4.0	69	987.4
04/09/2022	21:15:00 - 21:30:00	10	8	10	8	7	0.9	106	4.8	69	987.5
04/09/2022	21:30:00 - 21:45:00	8	10	8	8	7	0.4	116	4.4	70	987.7
04/09/2022	21:45:00 - 22:00:00	9	8	9	8	7	0.8	202	4.6	70	987.9
04/09/2022	22:00:00 - 22:15:00	8	7	8	8	6	0.9	196	4.7	70	988.0
04/09/2022	22:15:00 - 22:30:00	7	6	8	7	5	0.6	173	4.5	70	988.0
04/09/2022	22:30:00 - 22:45:00	7	6	8	7	6	1.1	173	4.3	72	988.1
04/09/2022	22:45:00 - 23:00:00	7	6	7	7	5	0.9	171	4.1	72	988.3
04/09/2022	23:00:00 - 23:15:00	6	5	6	6	4	0.6	183	4.3	71	988.5
04/09/2022	23:15:00 - 23:30:00	5	5	6	5	3	0.6	142	4.0	72	988.5
04/09/2022	23:30:00 - 23:45:00	5	4	6	5	3	0.8	141	4.0	72	988.6
04/09/2022	23:45:00 - 00:00:00	7	4	7	5	3	1.1	135	4.0	71	988.6
04/10/2022	00:00:00 - 00:15:00	4	4	5	5	3	1.1	137	4.1	71	988.6
04/10/2022	00:15:00 - 00:30:00	4	4	5	5	3	0.7	145	3.9	71	988.7
04/10/2022	00:30:00 - 00:45:00	4	4	6	6	3	0.5	177	3.9	72	988.7
04/10/2022	00:45:00 - 01:00:00	4	4	6	5	3	0.6	163	3.9	73	988.8
04/10/2022	01:00:00 - 01:15:00	4	4	5	5	3	0.4	149	3.9	72	988.8
04/10/2022	01:15:00 - 01:30:00	4	4	5	5	3	1.4	89	3.4	74	988.7
04/10/2022	01:30:00 - 01:45:00	4	5	6	5	3	1.0	107	2.8	76	988.6
04/10/2022	01:45:00 - 02:00:00	4	5	6	5	3	0.6	109	2.6	77	988.7
04/10/2022	02:00:00 - 02:15:00	6	7	7	7	5	1	115	2	79	989
04/10/2022	02:15:00 - 02:30:00	6	7	7	8	6	1	120	2	80	989
04/10/2022	02:30:00 - 02:45:00	7	9	8	11	6	2	129	2	82	988
04/10/2022	02:45:00 - 03:00:00	7	11	8	10	6	1	194	2	81	989
04/10/2022	03:00:00 - 03:15:00	10	10	10	13	10	1.4	148	1.6	83	988.5
04/10/2022	03:15:00 - 03:30:00	9	11	10	12	9	1.3	169	1.3	83	988.5
04/10/2022	03:30:00 - 03:45:00	9	12	10	13	8	1.3	139	1.2	84	988.5
04/10/2022	03:45:00 - 04:00:00	6	11	8	25	8	2.1	124	1.9	81	988.4
04/10/2022	04:00:00 - 04:15:00	5	6	6	24	5	1.9	125	2.0	80	988.4
04/10/2022	04:15:00 - 04:30:00	3	3	5	5	2	2.8	135	2.9	76	988.4
04/10/2022	04:30:00 - 04:45:00	2	2	4	3	1	2.7	150	3.9	70	988.4
04/10/2022	04:45:00 - 05:00:00	2	2	4	3	1	2.8	153	4.0	68	988.4
04/10/2022	05:00:00 - 05:15:00	1	2	4	2	0	2.8	153	4.1	68	988.4
04/10/2022	05:15:00 - 05:30:00	2	2	4	3	0	2.6	152	3.9	69	988.4
04/10/2022	05:30:00 - 05:45:00	2	2	4	3	0	2.4	154	3.6	70	988.5
04/10/2022	05:45:00 - 06:00:00	3	2	5	3	0	2.4	174	3.3	72	988.6
04/10/2022	06:00:00 - 06:15:00	2	2	4	3	0	2.5	162	3.1	73	988.6
04/10/2022	06:15:00 - 06:30:00	2	2	4	3	0	3.4	149	3.1	73	988.5
04/10/2022	06:30:00 - 06:45:00	2	2	4	3	0	2.9	148	3.5	71	988.5
04/10/2022	06:45:00 - 07:00:00	1	2	4	2	0	2.9	149	4.2	69	988.5
04/10/2022	07:00:00 - 07:15:00	1	2	3	2	0	2.9	162	4.8	66	988.5
04/10/2022	07:15:00 - 07:30:00	1	2	3	2	0	2.7	170	5.6	64	988.5
04/10/2022	07:30:00 - 07:45:00	1	1	3	2	0	2.4	163	6.5	61	988.6
04/10/2022	07:45:00 - 08:00:00	2	2	3	2	0	2.7	179	7.1	59	988.7
04/10/2022	08:00:00 - 08:15:00	1	1	3	2	0	3.9	146	7.6	58	988.5
04/10/2022	08:15:00 - 08:30:00	2	1	3	2	0	5.3	147	7.6	59	988.4
04/10/2022	08:30:00 - 08:45:00	2	1	3	2	0	5.5	140	7.9	59	988.3
04/10/2022	08:45:00 - 09:00:00	2	1	3	2	0	5.0	149	8.6	57	988.2
04/10/2022	09:00:00 - 09:15:00	2	1	3	2	0	5.8	143	8.9	58	988.2
04/10/2022	09:15:00 - 09:30:00	2	1	2	2	0	6.1	148	9.4	57	988.2
04/10/2022	09:30:00 - 09:45:00	2	0	2	2	0	4.3	156	10.0	56	988.1
04/10/2022	09:45:00 - 10:00:00	2	0	3	2	0	5.6	153	10.4	53	987.9
04/10/2022	10:00:00 - 10:15:00	2	0	2	2	0	6.2	146	10.7	52	987.7
04/10/2022	10:15:00 - 10:30:00	2	0	2	2	0	6.5	142	11.2	52	987.6
04/10/2022	10:30:00 - 10:45:00	2	0	2	2	0	9.0	144	11.1	52	987.2
04/10/2022	10:45:00 - 11:00:00	2	0	2	2	1	7.8	137	11.7	50	986.9
04/10/2022	11:00:00 - 11:15:00	2	0	2	2	1	6.3	147	12.4	49	986.6
04/10/2022	11:15:00 - 11:30:00	2	0	3	2	1	7.5	149	12.7	48	986.2
04/10/2022	11:30:00 - 11:45:00	3	0	2	2	2	9.3	145	12.8	48	985.8
04/10/2022	11:45:00 - 12:00:00	3	0	3	2	2	9.1	142	13.1	47	985.5
04/10/2022	12:00:00 - 12:15:00	3	0	3	3	2	9.0	142	13.4	46	985.1
04/10/2022	12:15:00 - 12:30:00	3	0	3	3	1	7.8	142	13.9	46	984.7

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/10/2022	12:30:00 - 12:45:00	3	0	3	3	1	8.8	149	14.1	45	984.3
04/10/2022	12:45:00 - 13:00:00	3	0	3	3	1	9.4	146	14.7	43	983.8
04/10/2022	13:00:00 - 13:15:00	3	0	3	3	2	9.2	142	15.2	42	983.3
04/10/2022	13:15:00 - 13:30:00	4	0	3	3	2	8.1	150	15.8	41	982.9
04/10/2022	13:30:00 - 13:45:00	4	0	3	3	2	9.5	146	16.0	40	982.4
04/10/2022	13:45:00 - 14:00:00	4	0	3	3	1	10.0	147	16.4	39	982.0
04/10/2022	14:00:00 - 14:15:00	4	0	3	3	2	8.9	144	16.9	39	981.7
04/10/2022	14:15:00 - 14:30:00	4	0	3	3	1	8.3	142	17.4	38	981.3
04/10/2022	14:30:00 - 14:45:00	4	0	3	3	2	7.5	149	17.9	38	981.1
04/10/2022	14:45:00 - 15:00:00	4	0	3	3	1	8.8	150	18.1	38	980.9
04/10/2022	15:00:00 - 15:15:00	4	0	2	3	1	8.9	142	18.1	38	980.6
04/10/2022	15:15:00 - 15:30:00	4	0	3	3	1	6.2	157	18.6	38	980.4
04/10/2022	15:30:00 - 15:45:00	4	0	2	3	1	8.0	152	18.6	39	980.2
04/10/2022	15:45:00 - 16:00:00	4	0	3	3	2	6.7	163	18.8	39	980.0
04/10/2022	16:00:00 - 16:15:00	4	0	3	3	2	7.7	154	18.7	39	979.6
04/10/2022	16:15:00 - 16:30:00	4	0	3	3	2	7.8	146	19.1	39	979.3
04/10/2022	16:30:00 - 16:45:00	4	0	3	3	2	8.0	148	19.0	39	979.0
04/10/2022	16:45:00 - 17:00:00	4	0	3	3	2	6.1	158	19.2	39	978.8
04/10/2022	17:00:00 - 17:15:00	4	0	3	3	2	8.0	149	18.8	40	978.6
04/10/2022	17:15:00 - 17:30:00	4	0	3	3	2	8.7	146	18.7	41	978.2
04/10/2022	17:30:00 - 17:45:00	5	0	3	3	2	8.3	148	18.5	42	978.0
04/10/2022	17:45:00 - 18:00:00	4	0	3	3	2	7.9	148	18.3	43	977.8
04/10/2022	18:00:00 - 18:15:00	4	0	3	3	2	8.8	145	18.2	44	977.5
04/10/2022	18:15:00 - 18:30:00	4	0	3	3	2	6.0	153	18.2	44	977.5
04/10/2022	18:30:00 - 18:45:00	4	0	3	3	2	6.8	144	18.0	45	977.4
04/10/2022	18:45:00 - 19:00:00	4	0	3	3	2	6.0	148	17.7	46	977.4
04/10/2022	19:00:00 - 19:15:00	4	0	3	3	2	4.5	157	17.3	47	977.7
04/10/2022	19:15:00 - 19:30:00	4	0	3	3	2	4.3	149	16.9	48	977.8
04/10/2022	19:30:00 - 19:45:00	4	2	3	3	2	2.9	158	16.6	49	978.2
04/10/2022	19:45:00 - 20:00:00	4	1	3	3	2	3.1	161	16.5	49	978.5
04/10/2022	20:00:00 - 20:15:00	4	0	3	3	2	3.6	163	16.4	50	978.7
04/10/2022	20:15:00 - 20:30:00	4	Offline	3	3	2	3.5	169	16.4	50	978.9
04/10/2022	20:30:00 - 20:45:00	4	Offline	3	3	2	3.0	165	16.2	51	979.3
04/10/2022	20:45:00 - 21:00:00	4	Offline	3	3	2	2.9	158	16.0	52	979.5
04/10/2022	21:00:00 - 21:15:00	4	Offline	3	3	2	3.6	155	15.9	53	979.4
04/10/2022	21:15:00 - 21:30:00	4	Offline	3	3	2	3.5	158	15.8	53	979.4
04/10/2022	21:30:00 - 21:45:00	4	Offline	3	3	2	2.8	166	15.7	54	979.4
04/10/2022	21:45:00 - 22:00:00	4	Offline	3	3	2	3.7	157	15.6	55	979.3
04/10/2022	22:00:00 - 22:15:00	4	Offline	4	3	2	3.3	164	15.5	56	979.2
04/10/2022	22:15:00 - 22:30:00	4	Offline	4	3	2	2.5	170	15.2	58	979.2
04/10/2022	22:30:00 - 22:45:00	4	Offline	4	3	2	2.5	163	15.2	59	979.1
04/10/2022	22:45:00 - 23:00:00	4	Offline	4	3	2	3.1	164	15.4	59	978.9
04/10/2022	23:00:00 - 23:15:00	4	Offline	4	4	2	2.6	171	15.6	59	978.7
04/10/2022	23:15:00 - 23:30:00	4	Offline	3	3	2	2.0	170	15.9	59	978.6
04/10/2022	23:30:00 - 23:45:00	4	Offline	4	3	2	1.9	174	15.9	59	978.5
04/10/2022	23:45:00 - 00:00:00	4	Offline	4	4	3	1.8	185	16.0	60	978.4
04/11/2022	00:00:00 - 00:15:00	4	Offline	4	4	3	3.3	192	16.5	59	978.4
04/11/2022	00:15:00 - 00:30:00	4	Offline	4	4	3	3.0	193	16.9	58	978.3
04/11/2022	00:30:00 - 00:45:00	4	Offline	4	4	3	3.3	194	16.9	58	978.3
04/11/2022	00:45:00 - 01:00:00	5	Offline	4	4	3	3.9	199	17.1	59	978.5
04/11/2022	01:00:00 - 01:15:00	6	Offline	4	5	4	4.9	209	17.7	58	978.5
04/11/2022	01:15:00 - 01:30:00	6	Offline	5	5	4	6.8	208	18.4	57	978.4
04/11/2022	01:30:00 - 01:45:00	6	Offline	5	5	5	6.6	212	18.5	57	978.5
04/11/2022	01:45:00 - 02:00:00	6	Offline	5	5	5	6.9	211	18.3	58	978.6
04/11/2022	02:00:00 - 02:15:00	6	Offline	5	5	5	5.6	217	18.0	60	978.4
04/11/2022	02:15:00 - 02:30:00	6	Offline	5	5	5	6.3	221	17.7	62	978.3
04/11/2022	02:30:00 - 02:45:00	6	Offline	5	5	4	5.4	225	17.5	64	978.4
04/11/2022	02:45:00 - 03:00:00	6	Offline	5	5	5	4.8	220	17.3	65	978.8
04/11/2022	03:00:00 - 03:15:00	6	Offline	5	5	5	3.6	251	17.2	66	979.1
04/11/2022	03:15:00 - 03:30:00	6	Offline	5	5	4	3.0	248	16.9	67	979.4
04/11/2022	03:30:00 - 03:45:00	6	Offline	5	5	4	2.8	267	16.6	69	979.6
04/11/2022	03:45:00 - 04:00:00	6	Offline	4	5	4	3.6	267	16.6	69	980.0

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/11/2022	04:00:00 - 04:15:00	6	Offline	4	5	4	4.5	274	16.6	70	980.4
04/11/2022	04:15:00 - 04:30:00	6	Offline	5	5	4	5.0	289	16.4	71	980.4
04/11/2022	04:30:00 - 04:45:00	7	Offline	5	5	5	5.2	296	15.8	70	980.9
04/11/2022	04:45:00 - 05:00:00	7	Offline	6	6	6	4.0	314	15.2	69	980.9
04/11/2022	05:00:00 - 05:15:00	9	Offline	7	8	8	3.1	304	15.0	61	981.0
04/11/2022	05:15:00 - 05:30:00	11	Offline	8	9	9	2.5	290	14.8	56	981.4
04/11/2022	05:30:00 - 05:45:00	11	Offline	9	9	9	2.3	324	14.5	55	981.5
04/11/2022	05:45:00 - 06:00:00	12	Offline	9	9	10	1.2	314.0	14.1	54.0	981.5
04/11/2022	06:00:00 - 06:15:00	12	Offline	9	9	11	1.3	187.2	13.6	55.1	981.7
04/11/2022	06:15:00 - 06:30:00	17	Offline	13	9	10	1.7	302.8	13.4	57.3	982.4
04/11/2022	06:30:00 - 06:45:00	12	Offline	10	10	11	1.0	323.0	12.9	61.4	982.6
04/11/2022	06:45:00 - 07:00:00	12	Offline	10	10	10	1.3	306.8	12.9	61.7	982.8
04/11/2022	07:00:00 - 07:15:00	11	Offline	9	9	9	2.6	291.8	13.3	64.8	983.3
04/11/2022	07:15:00 - 07:30:00	11	Offline	9	9	9	2.6	285.5	13.6	63.9	983.6
04/11/2022	07:30:00 - 07:45:00	12	Offline	10	9	10	5.4	287.7	13.7	58.3	984.6
04/11/2022	07:45:00 - 08:00:00	11	10	9	9	10	5.4	303.9	13.2	58.9	985.0
04/11/2022	08:00:00 - 08:15:00	12	9	9	9	10	4.9	300.3	12.9	59.9	985.3
04/11/2022	08:15:00 - 08:30:00	11	9	9	9	10	4.8	303.9	12.9	58.9	985.1
04/11/2022	08:30:00 - 08:45:00	12	8	10	9	10	3.9	304.6	13.2	57.7	985.2
04/11/2022	08:45:00 - 09:00:00	11	6	8	8	9	4.5	294.2	13.5	54.1	985.2
04/11/2022	09:00:00 - 09:15:00	9	5	8	7	7	3.1	309.7	13.6	51.4	984.7
04/11/2022	09:15:00 - 09:30:00	9	4	7	6	7	2.8	341.2	13.8	50.5	983.6
04/11/2022	09:30:00 - 09:45:00	10	5	8	7	8	4.2	340.8	14.0	51.4	983.4
04/11/2022	09:45:00 - 10:00:00	8	4	6	6	6	5.4	348.8	14.1	48.8	983.0
04/11/2022	10:00:00 - 10:15:00	8	3	6	6	6	4.6	329.1	14.5	47.9	984.0
04/11/2022	10:15:00 - 10:30:00	9	3	7	5	5	4.3	313.8	14.7	48.0	984.7
04/11/2022	10:30:00 - 10:45:00	8	3	6	5	5	3.1	326.7	14.5	48.3	985.0
04/11/2022	10:45:00 - 11:00:00	7	2	6	5	5	3.0	329.0	14.9	47.4	985.3
04/11/2022	11:00:00 - 11:15:00	6	2	4	Offline	5	0.8	34.0	15.0	45.5	985.5
04/11/2022	11:15:00 - 11:30:00	6	1	4	5	4	1.7	86.0	15.4	44.7	985.7
04/11/2022	11:30:00 - 11:45:00	6	1	4	5	5	1.2	141	16.0	43	985.6
04/11/2022	11:45:00 - 12:00:00	7	1	5	4	3	2.1	257	16.3	42	985.9
04/11/2022	12:00:00 - 12:15:00	7	1	5	4	2	2.1	223	16.4	41	985.8
04/11/2022	12:15:00 - 12:30:00	5	1	4	4	2	1.7	153	17.0	40	985.6
04/11/2022	12:30:00 - 12:45:00	5	1	3	4	2	0.9	219	17.2	40	985.3
04/11/2022	12:45:00 - 13:00:00	5	1	3	3	1	1.4	293	17.2	39	985.2
04/11/2022	13:00:00 - 13:15:00	5	0	3	4	2	2.0	272	17.2	40	985.1
04/11/2022	13:15:00 - 13:30:00	5	1	3	4	2	3.0	288	16.7	42	985.4
04/11/2022	13:30:00 - 13:45:00	9	1	6	4	2	3.5	296	16.4	43	985.6
04/11/2022	13:45:00 - 14:00:00	7	1	4	4	2	2.5	298	16.4	43	985.5
04/11/2022	14:00:00 - 14:15:00	7	1	5	4	2	3.8	301	16.4	45	985.5
04/11/2022	14:15:00 - 14:30:00	7	2	4	4	3	4.3	316	16.0	47	985.5
04/11/2022	14:30:00 - 14:45:00	8	1	5	4	3	5.7	323	15.4	49	985.3
04/11/2022	14:45:00 - 15:00:00	8	1	6	4	3	4.8	328	14.8	51	985.3
04/11/2022	15:00:00 - 15:15:00	6	1	4	4	3	4.4	322	14.7	52	985.5
04/11/2022	15:15:00 - 15:30:00	6	1	5	4	3	4.5	328	14.5	54	985.6
04/11/2022	15:30:00 - 15:45:00	6	2	5	5	4	4.7	320	14.5	55	985.9
04/11/2022	15:45:00 - 16:00:00	7	1	5	4	4	4.3	318	14.4	55	985.8
04/11/2022	16:00:00 - 16:15:00	6	1	4	4	3	4.6	303	14.4	53	985.7
04/11/2022	16:15:00 - 16:30:00	6	2	4	4	3	4.6	323	14.4	54	985.8
04/11/2022	16:30:00 - 16:45:00	6	2	4	4	3	4.3	316	14.5	54	985.9
04/11/2022	16:45:00 - 17:00:00	6	2	4	4	3	4.3	316	14.6	54	986.2
04/11/2022	17:00:00 - 17:15:00	6	2	4	4	3	4.5	306	14.7	52	986.2
04/11/2022	17:15:00 - 17:30:00	5	1	4	4	3	3.9	302	14.6	50	986.2
04/11/2022	17:30:00 - 17:45:00	5	1	4	4	3	3.2	309	14.6	51	986.2
04/11/2022	17:45:00 - 18:00:00	6	1	4	4	3	3.0	312	14.6	50	986.2
04/11/2022	18:00:00 - 18:15:00	6	2	4	4	3	2.7	317	14.4	50	986.2
04/11/2022	18:15:00 - 18:30:00	7	2	5	4	3	2.4	320	14.3	51	986.1
04/11/2022	18:30:00 - 18:45:00	6	2	4	4	3	1.7	302	14.2	49	985.8
04/11/2022	18:45:00 - 19:00:00	6	2	5	5	4	1.6	320	14.1	51	985.7
04/11/2022	19:00:00 - 19:15:00	6	2	5	5	4	1.4	290	13.9	52	985.8
04/11/2022	19:15:00 - 19:30:00	7	3	5	6	4	1.3	292	13.7	51	986.0

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/11/2022	19:30:00 - 19:45:00	10	3	7	7	7	1.1	303	13.5	52	986.2
04/11/2022	19:45:00 - 20:00:00	8	4	6	6	6	0.9	264	13.4	51	986.4
04/11/2022	20:00:00 - 20:15:00	8	4	7	7	6	1.2	320	13.3	52	986.7
04/11/2022	20:15:00 - 20:30:00	8	4	7	7	7	2.2	327	13.3	52	986.9
04/11/2022	20:30:00 - 20:45:00	8	4	6	6	6	2.1	313	13.4	50	987.2
04/11/2022	20:45:00 - 21:00:00	7	3	5	5	4	1.9	312	13.3	50	987.3
04/11/2022	21:00:00 - 21:15:00	7	4	6	6	5	1.5	314	13.2	51	987.5
04/11/2022	21:15:00 - 21:30:00	7	4	6	6	5	1.6	289	13.1	51	987.8
04/11/2022	21:30:00 - 21:45:00	6	3	5	5	4	1.4	302	13.0	53	988.0
04/11/2022	21:45:00 - 22:00:00	7	4	6	6	5	1.3	311	13.0	54	988.2
04/11/2022	22:00:00 - 22:15:00	7	5	6	6	5	1.0	328	12.7	55	988.3
04/11/2022	22:15:00 - 22:30:00	9	9	8	7	6	0.7	36	12.3	56	988.0
04/11/2022	22:30:00 - 22:45:00	12	8	9	14	10	0.1	19	11.5	59	988.2
04/11/2022	22:45:00 - 23:00:00	11	9	9	12	13	0.6	118	10.7	62	988.1
04/11/2022	23:00:00 - 23:15:00	10	8	8	10	8	0.9	73	10.4	63	988.0
04/11/2022	23:15:00 - 23:30:00	9	9	7	10	8	1.4	78	9.8	66	987.9
04/11/2022	23:30:00 - 23:45:00	11	17	9	12	9	0.8	23	9.3	70	987.9
04/11/2022	23:45:00 - 00:00:00	20	28	16	16	15	0.6	15	8.5	73	988.0
04/12/2022	00:00:00 - 00:15:00	15	10	13	10	12	0.7	32	8.0	74	988.1
04/12/2022	00:15:00 - 00:30:00	12	12	11	12	12	0.3	139	7.6	76	988.3
04/12/2022	00:30:00 - 00:45:00	13	13	11	12	11	0.8	268	7.4	77	988.8
04/12/2022	00:45:00 - 01:00:00	13	10	11	10	10	0.5	334	7.2	79	989.2
04/12/2022	01:00:00 - 01:15:00	11	9	10	10	9	0.3	112	6.7	80	989.5
04/12/2022	01:15:00 - 01:30:00	17	16	14	12	12	1.0	99	6.5	81	989.4
04/12/2022	01:30:00 - 01:45:00	21	26	18	17	20	0.1	95	6.4	82	989.4
04/12/2022	01:45:00 - 02:00:00	20	17	17	16	19	0.7	96	5.7	84	989.3
04/12/2022	02:00:00 - 02:15:00	21	18	18	17	17	1.1	90	5.4	86	989.1
04/12/2022	02:15:00 - 02:30:00	16	12	14	22	19	1.0	84	5.7	86	989.1
04/12/2022	02:30:00 - 02:45:00	17	19	15	14	21	0.9	99	5.4	87	988.9
04/12/2022	02:45:00 - 03:00:00	14	11	12	16	15	0.4	158	5.3	87	989.0
04/12/2022	03:00:00 - 03:15:00	14	15	13	12	13	0.4	110	4.8	88	989.0
04/12/2022	03:15:00 - 03:30:00	11	11	11	11	10	0.4	78	4.9	90	989.1
04/12/2022	03:30:00 - 03:45:00	12	10	11	12	10	1.1	65	4.7	90	989.1
04/12/2022	03:45:00 - 04:00:00	12	10	11	11	9	1.3	83	4.6	89	989.1
04/12/2022	04:00:00 - 04:15:00	12	13	11	11	9	1.4	74	4.2	91	989.0
04/12/2022	04:15:00 - 04:30:00	11	10	10	11	10	0.8	63	4.4	91	989.1
04/12/2022	04:30:00 - 04:45:00	11	9	10	11	10	1.0	49	4.5	91	989.1
04/12/2022	04:45:00 - 05:00:00	11	9	10	11	9	0.7	40	4.5	91	989.1
04/12/2022	05:00:00 - 05:15:00	11	10	10	11	9	1.0	73	4.2	91	989.2
04/12/2022	05:15:00 - 05:30:00	10	9	10	11	10	1.4	60	4.3	92	989.2
04/12/2022	05:30:00 - 05:45:00	11	11	11	13	10	1.6	77	4.3	92	989.1
04/12/2022	05:45:00 - 06:00:00	12	11	11	17	12	3.1	88	5.3	92	989.1
04/12/2022	06:00:00 - 06:15:00	12	10	12	14	11	3.5	96	7.4	84	989.2
04/12/2022	06:15:00 - 06:30:00	11	10	11	14	17	3.3	94	7.6	82	989.1
04/12/2022	06:30:00 - 06:45:00	11	9	10	12	10	3.8	92	8.1	80	989.0
04/12/2022	06:45:00 - 07:00:00	11	9	10	11	15	5.1	94	8.9	77	989.1
04/12/2022	07:00:00 - 07:15:00	11	9	10	12	10	4.0	109	9.3	77	989.2
04/12/2022	07:15:00 - 07:30:00	10	8	9	11	11	4.9	118	9.8	75	989.3
04/12/2022	07:30:00 - 07:45:00	9	7	8	10	12	5.6	105	10.3	73	989.3
04/12/2022	07:45:00 - 08:00:00	8	6	7	8	7	6.4	108	11.0	69	989.2
04/12/2022	08:00:00 - 08:15:00	8	5	7	9	6	4.9	115	11.6	69	989.1
04/12/2022	08:15:00 - 08:30:00	8	4	7	7	6	4.9	112	12.4	69	988.8
04/12/2022	08:30:00 - 08:45:00	8	5	7	7	7	5.5	122	13.1	69	988.7
04/12/2022	08:45:00 - 09:00:00	7	4	6	7	7	5.6	129	13.3	69	988.6
04/12/2022	09:00:00 - 09:15:00	7	4	6	7	8	6.2	117	14.0	67	988.4
04/12/2022	09:15:00 - 09:30:00	7	3	6	6	8	6.0	138	14.3	69	988.3
04/12/2022	09:30:00 - 09:45:00	6	2	5	6	5	5.5	145	15.3	69	988.3
04/12/2022	09:45:00 - 10:00:00	7	2	5	7	10	6.6	140	15.4	72	988.2
04/12/2022	10:00:00 - 10:15:00	6	2	5	7	6	6.2	139	15.9	74	988.2
04/12/2022	10:15:00 - 10:30:00	6	2	5	6	5	6.9	141	16.4	74	988.1
04/12/2022	10:30:00 - 10:45:00	6	1	4	6	4	7.1	142	17.0	75	988.0
04/12/2022	10:45:00 - 11:00:00	7	2	4	8	5	6.9	149	17.7	73	987.8

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	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]
04/12/2022	11:00:00 - 11:15:00	7	1	5	8	6	5.1	153	18.2	73	987.8
04/12/2022	11:15:00 - 11:30:00	7	1	4	5	3	5.4	153	18.7	71	987.6
04/12/2022	11:30:00 - 11:45:00	5	0	3	5	1	5.2	156	19.3	69	987.4
04/12/2022	11:45:00 - 12:00:00	6	1	3	7	3	5.6	154	18.9	71	987.1
04/12/2022	12:00:00 - 12:15:00	6	1	3	6	2	4.2	164	18.8	72	987.0
04/12/2022	12:15:00 - 12:30:00	6	1	4	7	5	4.8	160	18.7	73	987.0
04/12/2022	12:30:00 - 12:45:00	6	1	4	6	3	4.5	161	18.8	73	986.9
04/12/2022	12:45:00 - 13:00:00	6	1	4	6	3	4.8	156	18.5	75	986.9
04/12/2022	13:00:00 - 13:15:00	7	1	4	6	3	3.5	173	18.4	76	986.9
04/12/2022	13:15:00 - 13:30:00	7	2	4	8	4	4.8	159	18.2	78	986.6
04/12/2022	13:30:00 - 13:45:00	8	2	5	7	5	5.2	151	18.2	79	986.4
04/12/2022	13:45:00 - 14:00:00	9	3	5	8	6	4.1	155	18.0	81	986.3
04/12/2022	14:00:00 - 14:15:00	9	3	6	9	6	4.3	152	17.8	82	986.2
04/12/2022	14:15:00 - 14:30:00	10	4	7	10	10	6.0	149	17.7	84	985.9
04/12/2022	14:30:00 - 14:45:00	13	5	9	11	10	3.6	164	17.8	85	985.6
04/12/2022	14:45:00 - 15:00:00	12	5	8	10	10	5.2	147	17.6	86	985.4
04/12/2022	15:00:00 - 15:15:00	13	6	9	11	10	4.6	145	17.5	87	985.1
04/12/2022	15:15:00 - 15:30:00	14	7	10	12	11	4.1	160	17.5	87	984.9
04/12/2022	15:30:00 - 15:45:00	14	7	10	12	11	5.1	147	17.5	88	984.5
04/12/2022	15:45:00 - 16:00:00	15	8	11	12	12	5.5	143	17.4	89	984.1
04/12/2022	16:00:00 - 16:15:00	17	9	12	14	14	5.0	149	17.2	91	983.8
04/12/2022	16:15:00 - 16:30:00	18	10	13	15	15	3.6	147	17.4	91	983.6
04/12/2022	16:30:00 - 16:45:00	17	9	12	14	14	4.8	147	17.5	90	983.2
04/12/2022	16:45:00 - 17:00:00	17	9	12	14	14	6.4	153	17.6	90	982.9
04/12/2022	17:00:00 - 17:15:00	17	9	12	14	14	4.9	147	17.7	90	982.9
04/12/2022	17:15:00 - 17:30:00	17	9	12	14	14	4.1	147	17.9	91	982.6
04/12/2022	17:30:00 - 17:45:00	17	9	12	14	14	3.3	165	18.1	91	982.6
04/12/2022	17:45:00 - 18:00:00	16	8	11	13	13	4.3	163	18.3	92	982.3
04/12/2022	18:00:00 - 18:15:00	14	7	10	11	11	4.1	163	18.5	92	982.0
04/12/2022	18:15:00 - 18:30:00	12	6	9	10	9	3.9	168	18.5	92	981.9
04/12/2022	18:30:00 - 18:45:00	12	5	8	10	9	4.6	159	18.5	92	981.7
04/12/2022	18:45:00 - 19:00:00	12	5	8	10	9	4.5	161	18.6	92	981.4
04/12/2022	19:00:00 - 19:15:00	12	5	8	9	8	4.5	160	18.6	92	981.2
04/12/2022	19:15:00 - 19:30:00	11	4	7	8	7	4.5	153	18.6	92	980.9
04/12/2022	19:30:00 - 19:45:00	10	4	7	7	7	4.5	161	18.7	92	980.8
04/12/2022	19:45:00 - 20:00:00	9	3	6	7	6	5.3	158	18.8	91	980.7
04/12/2022	20:00:00 - 20:15:00	9	3	6	7	6	3.5	174	19.0	90	980.6
04/12/2022	20:15:00 - 20:30:00	9	3	6	7	6	3.0	178	18.9	90	980.8
04/12/2022	20:30:00 - 20:45:00	9	3	6	7	6	5.1	164	18.8	91	980.7
04/12/2022	20:45:00 - 21:00:00	10	3	6	7	6	3.9	168	18.7	91	980.6
04/12/2022	21:00:00 - 21:15:00	10	4	7	8	7	3.0	173	18.6	91	980.6
04/12/2022	21:15:00 - 21:30:00	10	4	7	8	7	3.2	177	18.6	92	980.5
04/12/2022	21:30:00 - 21:45:00	11	4	7	8	7	3.2	170	18.6	92	980.2
04/12/2022	21:45:00 - 22:00:00	11	4	7	8	7	3.4	170	18.7	92	979.9
04/12/2022	22:00:00 - 22:15:00	11	4	7	8	7	2.8	179	18.8	92	979.7
04/12/2022	22:15:00 - 22:30:00	11	4	7	8	8	3.2	168	18.6	92	979.7
04/12/2022	22:30:00 - 22:45:00	11	4	7	8	8	3.1	167	18.6	92	979.7
04/12/2022	22:45:00 - 23:00:00	11	4	8	9	8	3.2	171	18.6	93	979.2
04/12/2022	23:00:00 - 23:15:00	11	4	8	9	8	2.7	172	18.5	92	978.7
04/12/2022	23:15:00 - 23:30:00	11	4	7	8	7	3.2	182	18.6	91	978.2
04/12/2022	23:30:00 - 23:45:00	10	4	7	8	7	3.8	180	18.9	90	977.6
04/12/2022	23:45:00 - 00:00:00	10	4	7	7	7	4.1	190	18.8	89	977.4

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

Appendix A: Complete Preliminary Data Record

4/6/2022																				
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	700	0.0	800	0.0	900	0.0	NA	NA	1130	0.0	1215	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0
SAM-2	708	0.0	808	0.0	910	0.0	NA	NA	1140	0.0	1222	0.0	1307	0.0	1408	0.0	1508	0.0	1608	0.0
SAM-3	704	0.0	804	0.0	905	0.0	NA	NA	1135	0.0	1218	0.0	1303	0.0	1404	0.0	1504	0.0	1604	0.0
SAM-4	702	0.0	802	0.0	903	0.0	NA	NA	1133	0.0	1216	0.0	1301	0.0	1402	0.0	1502	0.0	1602	0.0
IMPL-A	709	0.0	809	0.0	911	0.0	NA	NA	1141	0.0	1223	0.0	1308	0.0	1409	0.0	1509	0.0	1609	0.0
IMPL-B	710	0.0	810	0.0	912	0.0	NA	NA	1142	0.0	1224	0.0	1309	0.0	1410	0.0	1510	0.0	1610	0.0
IMPL-C	711	0.0	811	0.0	913	0.0	NA	NA	1143	0.0	1225	0.0	1310	0.0	1411	0.0	1511	0.0	1611	0.0
IMPL-D	712	0.0	812	0.0	914	0.0	NA	NA	1144	0.0	1226	0.0	1311	0.0	1412	0.0	1512	0.0	1612	0.0
IMPL-E	713	0.0	813	0.0	915	0.0	NA	NA	1145	0.0	1227	0.0	1312	0.0	1413	0.0	1513	0.0	1613	0.0
IMPL-F	714	0.0	814	0.0	916	0.0	NA	NA	1146	0.0	1228	0.0	1313	0.0	1414	0.0	1514	0.0	1614	0.0
IMPL-G	715	0.0	815	0.0	917	0.0	NA	NA	1147	0.0	1229	0.0	1314	0.0	1415	0.0	1515	0.0	1615	0.0
IMPL-H	716	0.0	816	0.0	918	0.0	NA	NA	1148	0.0	1230	0.0	1315	0.0	1416	0.0	1516	0.0	1616	0.0
IMPL-I	717	0.0	817	0.0	920	0.0	NA	NA	1150	0.0	1231	0.0	1316	0.0	1417	0.0	1517	0.0	1617	0.0
IMPL-J	718	0.0	818	0.0	921	0.0	NA	NA	1151	0.0	1232	0.0	1317	0.0	1418	0.0	1518	0.0	1618	0.0
IMPL-K	719	0.0	819	0.0	922	0.0	NA	NA	1152	0.0	1233	0.0	1318	0.0	1419	0.0	1519	0.0	1619	0.0
IMPL-L	720	0.0	820	0.0	923	0.0	NA	NA	1153	0.0	1234	0.0	1319	0.0	1420	0.0	1520	0.0	1620	0.0

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

4/7/2022																				
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	700	0.0	800	0.0	900	0.1	1000	0.1	1100	0.1	1200	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0
SAM-2	702	0.0	802	0.0	902	0.0	1002	0.1	1102	0.1	1202	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0
SAM-3	704	0.0	804	0.0	903	0.0	1004	0.1	1104	0.1	1206	0.0	1306	0.0	1406	0.0	1503	0.0	1603	0.0
SAM-4	707	0.0	807	0.0	906	0.0	1007	0.1	1107	0.1	1209	0.0	1309	0.0	1409	0.0	1506	0.0	1606	0.0
IMPL-A	708	0.0	808	0.0	907	0.0	1008	0.1	1108	0.1	1210	0.0	1310	0.0	1410	0.0	1507	0.0	1607	0.0
IMPL-B	709	0.0	809	0.0	908	0.0	1009	0.1	1109	0.1	1211	0.0	1311	0.0	1411	0.0	1508	0.0	1608	0.0
IMPL-C	710	0.0	810	0.0	909	0.0	1010	0.1	1110	0.1	1212	0.0	1312	0.0	1412	0.0	1509	0.0	1609	0.0
IMPL-D	711	0.0	811	0.0	910	0.1	1011	0.1	1111	0.1	1213	0.0	1313	0.0	1413	0.0	1510	0.0	1610	0.0
IMPL-E	712	0.0	812	0.0	911	0.1	1012	0.1	1112	0.1	1214	0.0	1314	0.0	1414	0.0	1511	0.0	1611	0.0
IMPL-F	713	0.0	813	0.0	912	0.1	1013	0.1	1113	0.1	1215	0.0	1315	0.0	1415	0.0	1512	0.0	1612	0.0
IMPL-G	714	0.0	814	0.0	913	0.1	1014	0.1	1114	0.1	1216	0.0	1316	0.0	1416	0.0	1513	0.0	1613	0.0
IMPL-H	715	0.0	815	0.0	914	0.1	1015	0.1	1115	0.1	1217	0.0	1317	0.0	1417	0.0	1514	0.0	1614	0.0
IMPL-I	716	0.0	816	0.0	915	0.0	1016	0.1	1116	0.1	1218	0.0	1318	0.0	1418	0.0	1515	0.0	1615	0.0
IMPL-J	717	0.0	817	0.0	916	0.0	1017	0.1	1117	0.1	1219	0.0	1319	0.0	1419	0.0	1516	0.0	1616	0.0
IMPL-K	718	0.0	818	0.0	917	0.0	1018	0.1	1118	0.1	1220	0.0	1320	0.0	1420	0.0	1517	0.0	1617	0.0
IMPL-L	719	0.0	819	0.0	918	0.0	1019	0.1	1119	0.1	1221	0.0	1321	0.0	1421	0.0	1518	0.0	1618	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

4/8/2022																				
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	700	0.0	800	0.0	900	0.0	NA	NA	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1508	0.0	1608	0.0
SAM-2	702	0.0	802	0.0	902	0.0	NA	NA	1102	0.0	1202	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0
SAM-3	703	0.0	803	0.0	904	0.0	NA	NA	1104	0.0	1204	0.0	1304	0.0	1404	0.0	1518	0.0	1618	0.0
SAM-4	706	0.0	806	0.0	907	0.0	NA	NA	1107	0.0	1207	0.0	1307	0.0	1407	0.0	1512	0.0	1612	0.0
IMPL-A	707	0.0	807	0.0	908	0.0	NA	NA	1108	0.0	1208	0.0	1308	0.0	1408	0.0	1500	0.0	1600	0.2
IMPL-B	708	0.0	808	0.0	909	0.0	NA	NA	1109	0.0	1209	0.0	1309	0.0	1409	0.0	1503	0.0	1603	0.2
IMPL-C	709	0.0	809	0.0	910	0.0	NA	NA	1110	0.0	1210	0.0	1310	0.0	1410	0.0	1504	0.0	1604	0.2
IMPL-D	710	0.0	810	0.0	911	0.0	NA	NA	1111	0.0	1211	0.0	1311	0.0	1411	0.0	1506	0.0	1606	0.2
IMPL-E	711	0.0	811	0.0	912	0.0	NA	NA	1112	0.0	1212	0.0	1312	0.0	1412	0.0	1510	0.1	1610	0.2
IMPL-F	712	0.0	812	0.0	913	0.0	NA	NA	1113	0.0	1213	0.0	1313	0.0	1413	0.0	1511	0.1	1611	0.0
IMPL-G	713	0.0	813	0.0	914	0.0	NA	NA	1114	0.0	1214	0.0	1314	0.0	1414	0.0	1513	0.0	1613	0.0
IMPL-H	714	0.0	814	0.0	915	0.0	NA	NA	1115	0.0	1215	0.0	1315	0.0	1415	0.0	1514	0.0	1614	0.0
IMPL-I	715	0.0	815	0.0	916	0.0	NA	NA	1116	0.0	1216	0.0	1316	0.0	1416	0.0	1515	0.0	1615	0.0
IMPL-J	716	0.0	816	0.0	917	0.0	NA	NA	1117	0.0	1217	0.0	1317	0.0	1417	0.0	1516	0.0	1616	0.0
IMPL-K	717	0.0	817	0.0	918	0.0	NA	NA	1118	0.0	1218	0.0	1318	0.0	1418	0.0	1519	0.0	1619	0.0
IMPL-L	718	0.0	818	0.0	919	0.0	NA	NA	1119	0.0	1219	0.0	1319	0.0	1419	0.0	1520	0.0	1620	0.0

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Excavation stopped at 3:00 pm

4/11/2022																				
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	700	0.0	800	0.0	900	0.0	1000	0.0	1130	0.0	1215	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0
SAM-2	702	0.0	802	0.0	902	0.0	1002	0.0	1132	0.0	1218	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0
SAM-3	704	0.0	801	0.0	901	0.0	1001	0.0	1131	0.0	1219	0.0	1305	0.0	1405	0.0	1505	0.0	1605	0.0
SAM-4	707	0.0	804	0.0	904	0.0	1004	0.0	1134	0.0	1222	0.0	1308	0.0	1408	0.0	1508	0.0	1608	0.0
IMPL-A	708	0.0	805	0.0	905	0.0	1005	0.0	1135	0.0	1223	0.0	1309	0.0	1409	0.0	1509	0.0	1609	0.0
IMPL-B	709	0.0	806	0.0	906	0.0	1006	0.0	1136	0.0	1224	0.0	1310	0.0	1410	0.0	1510	0.0	1610	0.0
IMPL-C	710	0.0	807	0.0	907	0.0	1007	0.0	1137	0.0	1225	0.0	1311	0.0	1411	0.0	1511	0.0	1611	0.0
IMPL-D	711	0.0	808	0.0	908	0.0	1008	0.0	1138	0.0	1226	0.0	1312	0.0	1412	0.0	1512	0.0	1612	0.0
IMPL-E	712	0.0	809	0.0	909	0.0	1009	0.0	1139	0.0	1227	0.0	1313	0.0	1413	0.0	1513	0.0	1613	0.0
IMPL-F	713	0.0	810	0.0	910	0.0	1010	0.0	1140	0.0	1228	0.0	1314	0.0	1414	0.0	1514	0.0	1614	0.0
IMPL-G	714	0.0	811	0.0	911	0.0	1011	0.0	1141	0.0	1229	0.0	1315	0.0	1415	0.0	1515	0.0	1615	0.0
IMPL-H	715	0.0	812	0.0	912	0.0	1012	0.0	1142	0.0	1230	0.0	1316	0.0	1416	0.0	1516	0.0	1616	0.0
IMPL-I	716	0.0	813	0.0	913	0.0	1013	0.0	1143	0.0	1231	0.0	1317	0.0	1417	0.0	1517	0.0	1617	0.0
IMPL-J	717	0.0	814	0.0	914	0.0	1014	0.0	1144	0.0	1232	0.0	1318	0.0	1418	0.0	1518	0.0	1618	0.0
IMPL-K	718	0.0	815	0.0	915	0.0	1015	0.0	1145	0.0	1233	0.0	1319	0.0	1419	0.0	1519	0.0	1619	0.0
IMPL-L	719	0.0	816	0.0	916	0.0	1016	0.0	1146	0.0	1234	0.0	1320	0.0	1420	0.0	1520	0.0	1620	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

4/12/2022																				
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	700	0.0	800	0.0	900	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0
SAM-2	702	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	703	0.0	803	0.0	903	0.0	1003	0.0	1103	0.0	1203	0.0	1303	0.0	1403	0.0	1503	0.0	1603	0.0
SAM-4	706	0.0	806	0.0	906	0.0	1006	0.0	1106	0.0	1206	0.0	1306	0.0	1406	0.0	1506	0.0	1606	0.0
IMPL-A	707	0.0	807	0.0	907	0.0	1007	0.0	1107	0.0	1207	0.0	1307	0.0	1407	0.0	1507	0.0	1607	0.0
IMPL-B	708	0.0	808	0.0	908	0.0	1008	0.0	1108	0.0	1208	0.0	1308	0.0	1408	0.0	1508	0.0	1608	0.0
IMPL-C	709	0.0	809	0.0	909	0.0	1009	0.0	1109	0.0	1209	0.0	1309	0.0	1409	0.0	1509	0.0	1609	0.0
IMPL-D	710	0.0	810	0.0	910	0.0	1010	0.0	1110	0.0	1210	0.0	1310	0.0	1410	0.0	1510	0.0	1610	0.0
IMPL-E	711	0.0	811	0.0	911	0.0	1011	0.0	1111	0.0	1211	0.0	1311	0.0	1411	0.0	1511	0.0	1611	0.0
IMPL-F	712	0.0	812	0.0	912	0.0	1012	0.0	1112	0.0	1212	0.0	1312	0.0	1412	0.0	1512	0.0	1612	0.0
IMPL-G	713	0.0	813	0.0	913	0.0	1013	0.0	1113	0.0	1213	0.0	1313	0.0	1413	0.0	1513	0.0	1613	0.0
IMPL-H	714	0.0	814	0.0	914	0.0	1014	0.0	1114	0.0	1214	0.0	1314	0.0	1414	0.0	1514	0.0	1614	0.0
IMPL-I	715	0.0	815	0.0	915	0.0	1015	0.0	1115	0.0	1215	0.0	1315	0.0	1415	0.0	1515	0.0	1615	0.0
IMPL-J	716	0.0	816	0.0	916	0.0	1016	0.0	1116	0.0	1216	0.0	1316	0.0	1416	0.0	1516	0.0	1616	0.0
IMPL-K	717	0.0	817	0.0	917	0.0	1017	0.0	1117	0.0	1217	0.0	1317	0.0	1417	0.0	1517	0.0	1617	0.0
IMPL-L	718	0.0	818	0.0	918	0.0	1018	0.0	1118	0.0	1218	0.0	1318	0.0	1418	0.0	1518	0.0	1618	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 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	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Naphthalene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	2-Methylnaphthalene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	2-Chloronaphthalene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Acenaphthylene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Acenaphthene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Fluorene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Phenanthrene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Anthracene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Fluoranthene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Pyrene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Chrysene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Benzo(a)anthracene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Benzo(b)fluoranthene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Benzo(k)fluoranthene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Benzo(a)pyrene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	%R	78		Fluorene-d10
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	%R	87		Pyrene-d10
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	%R	87		Benzo(a)pyrene-d12
TO-13A	20220328-30-SE-SAM1	03/28/2022 08:07	03/30/2022 07:58	%R	64		Fluoranthene-d10
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Naphthalene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	2-Methylnaphthalene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	2-Chloronaphthalene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Acenaphthylene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Acenaphthene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Fluorene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Phenanthrene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Anthracene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Fluoranthene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Pyrene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Chrysene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Benzo(a)anthracene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Benzo(b)fluoranthene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Benzo(k)fluoranthene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Benzo(a)pyrene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	%R	72		Fluorene-d10
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	%R	75		Pyrene-d10
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	%R	82		Benzo(a)pyrene-d12
TO-13A	20220328-30-NE-SAM2	03/28/2022 07:55	03/30/2022 07:40	%R	80		Fluoranthene-d10
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Naphthalene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	2-Methylnaphthalene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	2-Chloronaphthalene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Acenaphthylene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Acenaphthene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Fluorene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Phenanthrene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Anthracene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Fluoranthene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Pyrene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Chrysene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Benzo(a)anthracene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	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	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Benzo(k)fluoranthene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Benzo(a)pyrene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	%R	75		Fluorene-d10
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	%R	81		Pyrene-d10
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	%R	86		Benzo(a)pyrene-d12
TO-13A	20220328-30-SE-SAM3	03/28/2022 08:02	03/30/2022 07:53	%R	73		Fluoranthene-d10
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg	12		Naphthalene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg	1.8		2-Methylnaphthalene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	2-Chloronaphthalene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Acenaphthylene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Acenaphthene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Fluorene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Phenanthrene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Anthracene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Fluoranthene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Pyrene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Chrysene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Benzo(a)anthracene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Benzo(b)fluoranthene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Benzo(k)fluoranthene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Benzo(a)pyrene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	%R	81		Fluorene-d10
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	%R	106		Pyrene-d10
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	%R	95		Benzo(a)pyrene-d12
TO-13A	20220328-30-NW-SAM4	03/28/2022 08:26	03/30/2022 08:05	%R	92		Fluoranthene-d10
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Naphthalene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	2-Methylnaphthalene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	2-Chloronaphthalene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Acenaphthylene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Acenaphthene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Fluorene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Phenanthrene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Anthracene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Fluoranthene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Pyrene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Chrysene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Benzo(a)anthracene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Benzo(b)fluoranthene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Benzo(k)fluoranthene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Benzo(a)pyrene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	%R	71		Fluorene-d10
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	%R	68		Pyrene-d10
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	%R	81		Benzo(a)pyrene-d12
TO-13A	20220328-30-SW-SAM5	03/28/2022 08:21	03/30/2022 08:02	%R	68		Fluoranthene-d10
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Naphthalene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	2-Methylnaphthalene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	2-Chloronaphthalene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	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	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Acenaphthene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Fluorene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Phenanthrene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Anthracene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Fluoranthene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Pyrene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Chrysene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Benzo(a)anthracene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Benzo(b)fluoranthene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Benzo(k)fluoranthene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Benzo(a)pyrene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	%R	78		Fluorene-d10
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	%R	74		Pyrene-d10
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	%R	91		Benzo(a)pyrene-d12
TO-13A	20220328-30-SAM6	03/28/2022 08:30	03/30/2022 08:07	%R	73		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 definition

N - The identification is based on presumptive evidence.

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