

Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

05 April 2022

Project No.: 0529307

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1. INTRODUCTION

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

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



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

This weekly summary presents the real-time ambient air quality and meteorological data collected from March 23, 2022 through March 29, 2022. The laboratory results that are presented were from two periods: Method-325 data was collected between February 23 and March 9, 2022, and Method 13a data was collected between March 14 and March 16, 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 initial remediation operational phase. During this period, one set of VOC measurements exceeded the designated action level during the 09:00 hour of March 25, 2022. In response O6 was notified to implement control measures, and air concentrations dissipated before corresponding measurements could be taken with the onsite gas chromatograph. Outside of this event,

air quality concentrations remained under the established action levels. Table 1 presents a summary of the air quality monitoring results for the reporting period.

Table 1 Reporting Period Air Monitoring Summary

CONSTITUENTS OF CONCERN, SAMPLING PERIOD, UNITS	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL
Inhalable Particulate Matter (15-min average, $\mu\text{g}/\text{m}^3$)	3/23/2022 – 3/29/2022	0	41	360
VOC (1-minute average, PPM)	3/23/2022 – 3/29/2022	0	7.6	0.5
Benzene, Real-time GC (1-minute average $\mu\text{g}/\text{m}^3$)	3/23/2022 – 3/29/2022	0	NM	156.7
Styrene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	2/23/2022 – 3/9/2022	0	ND	205,000
Benzene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	2/23/2022 – 3/9/2022	0	1.0	16.5
Toluene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	2/23/2022 – 3/9/2022	0	1.3	23,400
Xylenes (total), Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	2/23/2022 – 3/9/2022	0	0.79	41,000
Ethylbenzene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	2/23/2022 – 3/9/2022	0	ND	59,400
2-methylnaphthalene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/14/2022 – 3/16/2022	0	1.3	820
Acenaphthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/14/2022 – 3/16/2022	0	ND	12,300
Acenaphthylene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/14/2022 – 3/16/2022	0	ND	615
Anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/14/2022 – 3/16/2022	0	ND	615
Benzo(a)anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/14/2022 – 3/16/2022	0	ND	1.54
Benzo(a)pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/14/2022 – 3/16/2022	0	ND	0.154
Benzo(k)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/14/2022 – 3/16/2022	0	ND	15.4
Benzo(b)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/14/2022 – 3/16/2022	0	ND	15.4
Chrysene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/14/2022 – 3/16/2022	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, µg/m ³)	3/14/2022 – 3/16/2022	0	ND	0.154
Fluoranthene, Method TO-13A (3 day sample period, µg/m ³)	3/14/2022 – 3/16/2022	0	ND	8,200
Fluorene, Method TO-13A (3 day sample period, µg/m ³)	3/14/2022 – 3/16/2022	0	ND	8,200
Indeno(1,2,3-cd)pyrene, Method TO-13A (3 day sample period, µg/m ³)	3/14/2022 – 3/16/2022	0	ND	1.54
Napthalene, Method TO-13A (3 day sample period, µg/m ³)	3/14/2022 – 3/16/2022	0	6.3	176
Phenanthrene, Method TO-13A (3 day sample period, µg/m ³)	3/14/2022 – 3/16/2022	0	ND	6,150
Pyrene, Method TO-13A (3 day sample period, µg/m ³)	3/14/2022 – 3/16/2022	0	ND	6,150

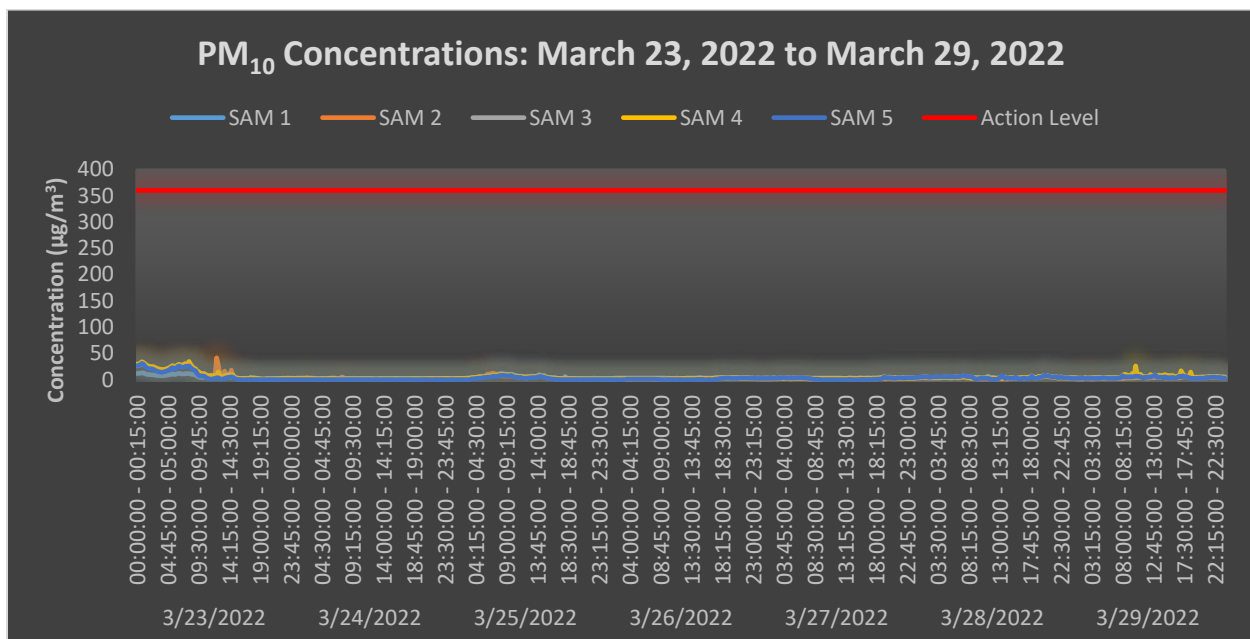
Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

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 Appendix A. PM₁₀ 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]
03/23/2022	00:00:00 - 00:15:00	12	29	27	30	27	1.2	133	10.8	100	974.6
03/23/2022	00:15:00 - 00:30:00	12	29	27	30	27	1.3	148	11.1	100	974.5
03/23/2022	00:30:00 - 00:45:00	12	30	28	32	29	1.2	153	11.2	100	974.5
03/23/2022	00:45:00 - 01:00:00	13	33	30	34	31	1.1	173	11.3	100	974.2
03/23/2022	01:00:00 - 01:15:00	12	31	29	32	29	1.1	193	11.4	100	974.1
03/23/2022	01:15:00 - 01:30:00	11	28	26	29	26	1.2	187	11.5	100	973.9
03/23/2022	01:30:00 - 01:45:00	10	24	24	26	22	1.4	191	11.5	100	973.9
03/23/2022	01:45:00 - 02:00:00	10	23	23	26	21	1.1	188	11.5	100	973.6
03/23/2022	02:00:00 - 02:15:00	9	23	23	25	21	1.1	183	11.4	100	973.7
03/23/2022	02:15:00 - 02:30:00	9	23	23	25	21	1.2	198	11.5	100	973.7
03/23/2022	02:30:00 - 02:45:00	9	22	22	25	20	1.5	202	11.6	100	973.6
03/23/2022	02:45:00 - 03:00:00	9	20	21	23	18	2.1	204	11.7	100	973.4
03/23/2022	03:00:00 - 03:15:00	8	19	19	22	16	1.8	204	11.7	100	973.2
03/23/2022	03:15:00 - 03:30:00	8	18	19	20	15	1.9	202	11.7	100	973.0
03/23/2022	03:30:00 - 03:45:00	8	17	18	20	14	1.5	203	11.7	100	972.9
03/23/2022	03:45:00 - 04:00:00	7	17	18	19	14	1.8	204	11.7	100	972.8
03/23/2022	04:00:00 - 04:15:00	8	18	18	19	15	1.3	204	11.6	99	972.9
03/23/2022	04:15:00 - 04:30:00	8	18	19	19	15	1.7	203	11.5	99	973.1
03/23/2022	04:30:00 - 04:45:00	8	19	20	20	16	1.3	202	11.5	99	973.3
03/23/2022	04:45:00 - 05:00:00	9	21	21	22	18	1.1	198	11.5	99	973.3
03/23/2022	05:00:00 - 05:15:00	9	22	22	23	19	1.2	191	11.5	99	973.4
03/23/2022	05:15:00 - 05:30:00	10	25	24	25	21	1.1	199	11.5	99	973.4
03/23/2022	05:30:00 - 05:45:00	11	26	25	27	23	1.2	202	11.6	99	973.3
03/23/2022	05:45:00 - 06:00:00	9	22	22	23	19	1.1	197	11.6	99	973.2
03/23/2022	06:00:00 - 06:15:00	10	24	24	24	21	0.9	196	11.6	99	973.2
03/23/2022	06:15:00 - 06:30:00	12	28	27	28	25	0.7	173	11.5	99	973.2
03/23/2022	06:30:00 - 06:45:00	12	29	27	29	26	0.7	188	11.5	99	973.3
03/23/2022	06:45:00 - 07:00:00	11	27	26	27	24	0.5	184	11.4	99	973.4
03/23/2022	07:00:00 - 07:15:00	11	25	25	27	23	0.5	170	11.4	99	973.4
03/23/2022	07:15:00 - 07:30:00	11	26	26	30	24	0.7	196	11.5	99	973.5
03/23/2022	07:30:00 - 07:45:00	12	32	27	29	25	0.7	186	11.5	99	973.5
03/23/2022	07:45:00 - 08:00:00	12	27	27	29	26	0.8	176	11.6	99	973.5
03/23/2022	08:00:00 - 08:15:00	12	28	27	34	26	0.8	178	11.7	99	973.4
03/23/2022	08:15:00 - 08:30:00	11	25	25	29	23	0.9	160	12.2	98	973.2
03/23/2022	08:30:00 - 08:45:00	9	25	24	24	20	1.1	186	12.3	97	973.1
03/23/2022	08:45:00 - 09:00:00	12	21	21	20	18	0.9	200	12.4	96	972.8
03/23/2022	09:00:00 - 09:15:00	9	20	20	21	17	0.9	182	12.8	95	972.7
03/23/2022	09:15:00 - 09:30:00	7	15	16	16	12	0.7	174	12.9	95	972.7
03/23/2022	09:30:00 - 09:45:00	5	10	11	15	7	0.8	165	13.2	95	972.6
03/23/2022	09:45:00 - 10:00:00	4	11	11	12	7	0.7	163	13.1	95	972.7
03/23/2022	10:00:00 - 10:15:00	4	10	11	12	7	0.9	183	12.8	96	972.6
03/23/2022	10:15:00 - 10:30:00	4	10	11	11	7	0.7	181	12.9	97	972.6
03/23/2022	10:30:00 - 10:45:00	4	10	10	10	5	0.7	192	12.9	97	972.5
03/23/2022	10:45:00 - 11:00:00	3	6	8	8	2	1.0	191	13.2	97	972.4
03/23/2022	11:00:00 - 11:15:00	2	6	7	7	1	1.0	184	13.5	96	972.2
03/23/2022	11:15:00 - 11:30:00	2	4	7	8	1	1.0	192	13.4	96	972.0
03/23/2022	11:30:00 - 11:45:00	3	3	7	8	1	1.1	196	13.7	95	971.9
03/23/2022	11:45:00 - 12:00:00	3	3	7	7	2	1.2	203	14.0	89	971.7
03/23/2022	12:00:00 - 12:15:00	3	5	8	7	2	1.9	212	14.2	85	971.6
03/23/2022	12:15:00 - 12:30:00	3	41	8	8	3	1.7	196	14.6	83	971.5
03/23/2022	12:30:00 - 12:45:00	3	28	8	14	4	3.1	208	13.0	83	971.7
03/23/2022	12:45:00 - 13:00:00	3	11	6	6	1	2.8	209	13.0	83	971.8
03/23/2022	13:00:00 - 13:15:00	2	11	6	6	1	2.7	212	14.0	80	971.7
03/23/2022	13:15:00 - 13:30:00	2	8	6	6	1	2.4	209	14.1	78	971.6
03/23/2022	13:30:00 - 13:45:00	3	16	7	7	2	2.1	215	13.8	78	971.7
03/23/2022	13:45:00 - 14:00:00	4	10	8	8	4	1.3	238	12.7	81	971.9
03/23/2022	14:00:00 - 14:15:00	4	6	9	8	4	1.1	213	12.2	82	972.0
03/23/2022	14:15:00 - 14:30:00	5	8	10	8	5	1.7	221	12.1	84	972.0
03/23/2022	14:30:00 - 14:45:00	4	18	10	9	5	2.0	209	12.1	83	972.1
03/23/2022	14:45:00 - 15:00:00	4	6	9	9	5	2.3	204	11.5	85	972.4
03/23/2022	15:00:00 - 15:15:00	3	3	3	5	2	2.5	205	11.3	83	972.6
03/23/2022	15:15:00 - 15:30:00	3	2	3	3	1	3.5	203	11.0	83	972.6

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. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]
03/23/2022	15:30:00 - 15:45:00	3	2	2	3	0	2.9	209	9.6	89	973.0
03/23/2022	15:45:00 - 16:00:00	2	1	2	2	0	2.4	202	9.3	92	973.2
03/23/2022	16:00:00 - 16:15:00	2	0	2	2	0	2.1	213	9.4	92	973.3
03/23/2022	16:15:00 - 16:30:00	2	0	2	2	0	2.2	202	9.7	90	973.4
03/23/2022	16:30:00 - 16:45:00	2	1	2	2	0	2.6	197	9.2	92	973.7
03/23/2022	16:45:00 - 17:00:00	3	1	2	2	0	2.5	206	8.9	94	973.9
03/23/2022	17:00:00 - 17:15:00	2	0	2	2	0	2.4	209	9.1	93	974.0
03/23/2022	17:15:00 - 17:30:00	2	0	2	2	0	2.5	206	9.3	91	974.1
03/23/2022	17:30:00 - 17:45:00	4	1	3	3	0	2.2	201	9.4	91	974.4
03/23/2022	17:45:00 - 18:00:00	3	1	3	3	0	1.7	208	9.3	91	974.5
03/23/2022	18:00:00 - 18:15:00	3	1	3	3	0	2.0	201	9.3	91	974.7
03/23/2022	18:15:00 - 18:30:00	3	1	3	2	0	2.1	202	9.2	91	974.9
03/23/2022	18:30:00 - 18:45:00	2	0	2	2	0	2.6	205	9.0	91	975.2
03/23/2022	18:45:00 - 19:00:00	2	0	2	2	0	2.4	207	8.8	91	975.4
03/23/2022	19:00:00 - 19:15:00	1	0	1	1	0	2.4	198	8.5	91	975.7
03/23/2022	19:15:00 - 19:30:00	1	0	1	1	0	2.7	204	7.8	94	976.0
03/23/2022	19:30:00 - 19:45:00	1	0	1	1	0	3.2	211	7.3	97	976.1
03/23/2022	19:45:00 - 20:00:00	1	0	1	1	0	2.7	206	7.1	98	976.3
03/23/2022	20:00:00 - 20:15:00	1	0	2	1	0	3.6	208	6.9	98	976.6
03/23/2022	20:15:00 - 20:30:00	1	0	2	1	0	2.9	208	6.9	98	976.9
03/23/2022	20:30:00 - 20:45:00	1	0	2	1	0	3.2	213	6.9	98	977.0
03/23/2022	20:45:00 - 21:00:00	1	0	2	1	0	3.1	217	6.9	98	977.1
03/23/2022	21:00:00 - 21:15:00	1	0	2	1	0	3.0	206	6.7	98	977.3
03/23/2022	21:15:00 - 21:30:00	1	0	2	1	0	3.3	210	6.6	98	977.4
03/23/2022	21:30:00 - 21:45:00	1	0	2	1	0	3.5	209	6.5	97	977.5
03/23/2022	21:45:00 - 22:00:00	1	0	2	2	0	3.7	208	6.4	96	977.6
03/23/2022	22:00:00 - 22:15:00	2	0	2	2	0	3.9	209	6.3	94	977.7
03/23/2022	22:15:00 - 22:30:00	2	0	2	2	0	3.8	215	6.1	94	977.7
03/23/2022	22:30:00 - 22:45:00	2	0	3	2	0	3.6	212	6.0	93	977.8
03/23/2022	22:45:00 - 23:00:00	2	0	2	2	0	3.3	215	5.8	93	977.9
03/23/2022	23:00:00 - 23:15:00	2	0	3	2	0	2.7	206	5.8	93	978.0
03/23/2022	23:15:00 - 23:30:00	2	0	3	2	0	2.7	200	5.7	94	978.0
03/23/2022	23:30:00 - 23:45:00	2	0	3	2	0	3.3	203	5.6	94	978.0
03/23/2022	23:45:00 - 00:00:00	2	0	3	2	0	3.1	204	5.4	94	978.1
03/24/2022	00:00:00 - 00:15:00	2	0	3	2	0	2.9	207	5.4	94	978.1
03/24/2022	00:15:00 - 00:30:00	2	0	2	2	0	2.2	203	5.3	95	978.2
03/24/2022	00:30:00 - 00:45:00	2	0	2	2	0	2.4	201	5.2	95	978.3
03/24/2022	00:45:00 - 01:00:00	2	0	3	2	0	3.0	204	5.1	95	978.4
03/24/2022	01:00:00 - 01:15:00	2	0	3	2	0	2.6	206	5.0	96	978.4
03/24/2022	01:15:00 - 01:30:00	2	0	3	2	0	2.1	204	4.9	96	978.6
03/24/2022	01:30:00 - 01:45:00	2	0	3	2	0	2.2	197	4.9	96	978.8
03/24/2022	01:45:00 - 02:00:00	2	0	3	3	0	2.4	197	4.8	96	978.9
03/24/2022	02:00:00 - 02:15:00	2	0	3	3	0	2.2	193	4.8	96	979.0
03/24/2022	02:15:00 - 02:30:00	2	0	3	3	0	1.5	194	4.8	96	979.1
03/24/2022	02:30:00 - 02:45:00	2	0	3	2	0	2.2	201	4.7	96	979.2
03/24/2022	02:45:00 - 03:00:00	2	0	3	2	0	1.3	196	4.8	95	979.2
03/24/2022	03:00:00 - 03:15:00	2	0	3	2	0	1.4	193	4.8	94	979.2
03/24/2022	03:15:00 - 03:30:00	2	0	2	2	0	2.4	197	4.7	93	979.2
03/24/2022	03:30:00 - 03:45:00	1	0	2	2	0	1.5	197	4.6	93	979.4
03/24/2022	03:45:00 - 04:00:00	1	0	2	1	0	1.6	188	4.5	92	979
03/24/2022	04:00:00 - 04:15:00	1	0	2	1	0	2.4	202	4.4	93	979
03/24/2022	04:15:00 - 04:30:00	1	0	2	1	0	1.8	197	4.2	94	979
03/24/2022	04:30:00 - 04:45:00	2	0	2	2	0	1.3	190	4.1	95	980
03/24/2022	04:45:00 - 05:00:00	1	0	2	2	0	1.9	188	4.1	95	980
03/24/2022	05:00:00 - 05:15:00	1	0	2	1	0	1.9	181	4.0	95	980
03/24/2022	05:15:00 - 05:30:00	1	0	2	1	0	2.0	192	4.0	95	980
03/24/2022	05:30:00 - 05:45:00	2	0	3	2	0	1.9	196	4.0	96	980
03/24/2022	05:45:00 - 06:00:00	2	0	3	2	0	2.2	193	3.9	96	980
03/24/2022	06:00:00 - 06:15:00	2	0	3	2	0	2.3	189	3.8	98	980
03/24/2022	06:15:00 - 06:30:00	2	1	3	2	0	2.1	187	3.8	98	980
03/24/2022	06:30:00 - 06:45:00	2	0	3	2	0	2.3	184	3.6	97	980
03/24/2022	06:45:00 - 07:00:00	1	0	2	2	0	2.5	176	3.3	97	980

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]
03/24/2022	07:00:00 - 07:15:00	1	0	2	1	0	2.9	186	2.9	97	981
03/24/2022	07:15:00 - 07:30:00	1	2	2	1	0	2.7	185	2.7	97	981
03/24/2022	07:30:00 - 07:45:00	1	5	2	1	0	2.6	185	2.7	98	981
03/24/2022	07:45:00 - 08:00:00	1	4	2	1	0	2.6	189	2.6	98	981
03/24/2022	08:00:00 - 08:15:00	1	2	2	1	0	2.5	198	2.9	99	981
03/24/2022	08:15:00 - 08:30:00	1	0	2	1	0	2.2	191	3.2	98	981
03/24/2022	08:30:00 - 08:45:00	1	2	2	1	0	2.3	186	3.7	98	981
03/24/2022	08:45:00 - 09:00:00	1	1	2	1	0	2.5	184	3.9	97	981
03/24/2022	09:00:00 - 09:15:00	1	1	2	1	0	2.5	191	4.0	96	980.9
03/24/2022	09:15:00 - 09:30:00	1	3	2	1	0	2.1	192	4.1	95	980.9
03/24/2022	09:30:00 - 09:45:00	1	1	2	1	0	2.4	192	4.2	95	980.9
03/24/2022	09:45:00 - 10:00:00	1	0	2	1	0	2.2	195	4.5	94	980.9
03/24/2022	10:00:00 - 10:15:00	1	0	2	1	0	2.2	193	4.6	94	981.0
03/24/2022	10:15:00 - 10:30:00	1	1	2	1	0	2.5	192	4.7	94	981.0
03/24/2022	10:30:00 - 10:45:00	1	1	2	1	0	2.0	197	4.9	93	980.9
03/24/2022	10:45:00 - 11:00:00	1	2	2	1	0	1.7	201	5.3	92	980.8
03/24/2022	11:00:00 - 11:15:00	1	1	2	1	0	2.4	204	5.6	89	980.8
03/24/2022	11:15:00 - 11:30:00	1	1	2	1	0	2.0	202	5.4	90	980.8
03/24/2022	11:30:00 - 11:45:00	1	1	2	1	0	2.0	199	5.3	89	980.8
03/24/2022	11:45:00 - 12:00:00	1	0	2	1	0	1.1	224	5.7	89	980.7
03/24/2022	12:00:00 - 12:15:00	2	0	2	1	0	1.5	200	5.7	90	980.8
03/24/2022	12:15:00 - 12:30:00	1	1	2	1	0	1.4	203	5.7	90	980.9
03/24/2022	12:30:00 - 12:45:00	1	2	2	1	0	1.2	208	5.1	91	980.9
03/24/2022	12:45:00 - 13:00:00	1	1	2	1	0	1.4	207	5.4	90	981.0
03/24/2022	13:00:00 - 13:15:00	1	0	2	1	0	1.5	191	5.2	91	981.1
03/24/2022	13:15:00 - 13:30:00	1	0	2	1	0	1.4	189	5.1	92	981.0
03/24/2022	13:30:00 - 13:45:00	1	1	2	1	0	2.3	192	5.2	90	981.0
03/24/2022	13:45:00 - 14:00:00	1	1	2	1	0	1.4	186	5.5	90	981.0
03/24/2022	14:00:00 - 14:15:00	1	0	2	1	0	1.4	199	5.8	88	980.9
03/24/2022	14:15:00 - 14:30:00	1	0	2	1	0	1.1	221	5.6	90	981.1
03/24/2022	14:30:00 - 14:45:00	2	0	2	1	0	1.1	213	5.3	91	981.2
03/24/2022	14:45:00 - 15:00:00	1	1	2	1	0	2.2	187	5.8	90	981.2
03/24/2022	15:00:00 - 15:15:00	1	0	2	1	0	1.9	196	6.1	88	981.4
03/24/2022	15:15:00 - 15:30:00	1	0	2	1	0	2.5	190	5.3	91	981.5
03/24/2022	15:30:00 - 15:45:00	1	0	2	1	0	1.9	193	5.7	92	981.6
03/24/2022	15:45:00 - 16:00:00	1	1	2	1	0	1.5	196	5.7	91	981.7
03/24/2022	16:00:00 - 16:15:00	2	1	2	1	0	1.7	191	5.8	92	981.7
03/24/2022	16:15:00 - 16:30:00	1	0	2	1	0	2.5	186	5.7	91	981.8
03/24/2022	16:30:00 - 16:45:00	1	0	2	1	0	1.9	184	6.0	90	981.8
03/24/2022	16:45:00 - 17:00:00	1	0	2	1	0	1.8	180	5.9	92	981.9
03/24/2022	17:00:00 - 17:15:00	1	0	2	1	0	1.5	194	6.1	90	981.9
03/24/2022	17:15:00 - 17:30:00	1	0	2	1	0	1.6	191	6.2	88	982.0
03/24/2022	17:30:00 - 17:45:00	1	0	2	1	0	1.3	214	6.1	88	982.3
03/24/2022	17:45:00 - 18:00:00	1	0	2	1	0	0.8	183	5.8	86	982.5
03/24/2022	18:00:00 - 18:15:00	1	0	2	1	0	0.9	183	6.0	87	982.7
03/24/2022	18:15:00 - 18:30:00	1	0	2	1	0	0.5	224	6.1	88	982.8
03/24/2022	18:30:00 - 18:45:00	1	0	2	2	0	0.6	206	6.1	87	982.8
03/24/2022	18:45:00 - 19:00:00	1	0	2	2	0	0.8	187	6.0	86	982.9
03/24/2022	19:00:00 - 19:15:00	1	0	2	1	0	0.9	242	6.0	87	983.0
03/24/2022	19:15:00 - 19:30:00	1	0	2	2	0	0.8	259	5.8	86	983.2
03/24/2022	19:30:00 - 19:45:00	1	0	2	2	0	0.3	181	5.6	87	983.3
03/24/2022	19:45:00 - 20:00:00	1	0	2	1	0	0.5	233	5.5	87	983.4
03/24/2022	20:00:00 - 20:15:00	1	0	2	1	0	0.6	239	5.4	87	983.6
03/24/2022	20:15:00 - 20:30:00	1	0	2	1	0	0.8	234	5.3	87	983.7
03/24/2022	20:30:00 - 20:45:00	1	0	2	2	0	0.6	217	5.3	88	983.7
03/24/2022	20:45:00 - 21:00:00	1	0	2	2	0	0.5	218	5.3	89	983.9
03/24/2022	21:00:00 - 21:15:00	1	1	2	2	0	0.7	272	5.3	89	984.0
03/24/2022	21:15:00 - 21:30:00	1	1	2	2	0	0.5	230	5.3	89	983.9
03/24/2022	21:30:00 - 21:45:00	1	0	2	2	0	0.7	265	5.3	89	983.9
03/24/2022	21:45:00 - 22:00:00	1	0	2	2	0	0.9	287	5.2	89	983.9
03/24/2022	22:00:00 - 22:15:00	1	1	2	1	0	0.9	274	5.1	90	983.8
03/24/2022	22:15:00 - 22:30:00	1	1	2	1	0	0.8	264	5.1	90	983.7

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]
03/24/2022	22:30:00 - 22:45:00	1	1	2	1	0	1.2	279	5.0	90	983.7
03/24/2022	22:45:00 - 23:00:00	1	1	2	2	0	0.9	258	4.9	89	983.7
03/24/2022	23:00:00 - 23:15:00	1	1	2	1	0	0.7	265	4.8	89	983.6
03/24/2022	23:15:00 - 23:30:00	1	1	2	2	0	0.4	233	4.8	90	983.5
03/24/2022	23:30:00 - 23:45:00	1	1	2	2	0	0.5	254	4.7	91	983.5
03/24/2022	23:45:00 - 00:00:00	1	1	2	2	0	1.0	259	4.7	91	983.5
03/25/2022	00:00:00 - 00:15:00	1	1	2	2	0	0.7	241	4.7	91	983.6
03/25/2022	00:15:00 - 00:30:00	1	1	2	2	0	0.6	252	4.7	91	983.6
03/25/2022	00:30:00 - 00:45:00	1	0	2	1	0	0.6	244	4.6	92	983.8
03/25/2022	00:45:00 - 01:00:00	1	1	2	2	0	0.6	258	4.6	92	983.7
03/25/2022	01:00:00 - 01:15:00	1	1	2	2	0	0.7	274	4.6	91	983.6
03/25/2022	01:15:00 - 01:30:00	1	1	2	2	0	0.6	255	4.5	91	983.6
03/25/2022	01:30:00 - 01:45:00	1	1	2	2	0	0.7	282	4.5	91	983.5
03/25/2022	01:45:00 - 02:00:00	1	1	2	2	0	0.8	274	4.5	91	983.5
03/25/2022	02:00:00 - 02:15:00	1	1	2	2	0	0.8	264	4.5	92	983.4
03/25/2022	02:15:00 - 02:30:00	1	1	2	2	0	0.9	267	4.4	92	983.3
03/25/2022	02:30:00 - 02:45:00	1	1	2	2	0	1.2	266	4.4	92	983.3
03/25/2022	02:45:00 - 03:00:00	2	2	3	2	0	0.8	288	4.4	93	983.1
03/25/2022	03:00:00 - 03:15:00	2	3	3	2	0	0.5	286	4.4	93	983.1
03/25/2022	03:15:00 - 03:30:00	2	2	3	3	0	0.9	289	4.4	93	983.0
03/25/2022	03:30:00 - 03:45:00	3	3	3	3	1	1.3	281	4.4	93	983.0
03/25/2022	03:45:00 - 04:00:00	4	3	4	4	2	0.9	283	4.4	93	983.0
03/25/2022	04:00:00 - 04:15:00	4	4	4	4	2	0.9	277	4.4	93	982.9
03/25/2022	04:15:00 - 04:30:00	4	4	4	4	2	1.2	291	4.4	93	982.9
03/25/2022	04:30:00 - 04:45:00	4	5	5	4	2	1.3	282	4.4	93	982.9
03/25/2022	04:45:00 - 05:00:00	5	5	5	5	3	1.1	280	4.4	93	982.8
03/25/2022	05:00:00 - 05:15:00	5	5	5	5	3	1.4	283	4.4	94	982.9
03/25/2022	05:15:00 - 05:30:00	6	6	6	6	4	1.3	285	4.3	94	983.0
03/25/2022	05:30:00 - 05:45:00	6	6	6	6	4	1.4	296	4.2	95	983.2
03/25/2022	05:45:00 - 06:00:00	6	8	6	6	4	1.4	299	4.1	97	983.2
03/25/2022	06:00:00 - 06:15:00	7	10	6	7	5	1.3	283	4.0	97	983.2
03/25/2022	06:15:00 - 06:30:00	7	10	6	7	5	0.9	274	4.0	97	983.3
03/25/2022	06:30:00 - 06:45:00	7	11	7	7	5	1.4	287	4.0	97	983.5
03/25/2022	06:45:00 - 07:00:00	8	12	7	8	6	1.3	288	4.1	97	983.6
03/25/2022	07:00:00 - 07:15:00	11	12	9	9	7	1.4	297	4.1	97	983.7
03/25/2022	07:15:00 - 07:30:00	9	11	8	8	6	1.2	292	4.0	97	983.6
03/25/2022	07:30:00 - 07:45:00	8	10	8	8	6	0.9	300	4.1	98	983.7
03/25/2022	07:45:00 - 08:00:00	11	7	9	9	7	0.9	306	4.3	97	983.7
03/25/2022	08:00:00 - 08:15:00	11	7	10	10	8	1.2	299	4.4	96	983.8
03/25/2022	08:15:00 - 08:30:00	12	8	10	9	8	1.2	291	4.5	95	983.8
03/25/2022	08:30:00 - 08:45:00	10	7	9	9	8	1.1	294	4.5	95	983.9
03/25/2022	08:45:00 - 09:00:00	11	7	9	9	8	1.0	294	4.6	94	983.9
03/25/2022	09:00:00 - 09:15:00	9	6	8	9	7	1.5	281	4.8	94	983.9
03/25/2022	09:15:00 - 09:30:00	10	6	9	9	7	1.5	291	5.0	93	983.9
03/25/2022	09:30:00 - 09:45:00	10	7	9	9	8	1.8	287	5.1	92	983.9
03/25/2022	09:45:00 - 10:00:00	10	7	9	9	8	1.8	284	5.4	91	983.8
03/25/2022	10:00:00 - 10:15:00	10	6	8	8	6	2.0	288	5.8	90	983.8
03/25/2022	10:15:00 - 10:30:00	8	5	7	6	5	2.0	293	6.0	89	983.8
03/25/2022	10:30:00 - 10:45:00	8	5	7	6	5	2.3	297	6.3	87	983.7
03/25/2022	10:45:00 - 11:00:00	7	4	6	6	4	2.7	293	6.2	87	983.7
03/25/2022	11:00:00 - 11:15:00	6	4	6	5	4	2.6	300	6.1	87	983.7
03/25/2022	11:15:00 - 11:30:00	7	5	6	6	4	2.1	293	6.5	85	983.6
03/25/2022	11:30:00 - 11:45:00	6	4	5	5	3	2.0	287	6.5	85	983.6
03/25/2022	11:45:00 - 12:00:00	5	3	4	4	2	1.9	297	6.5	85	983.7
03/25/2022	12:00:00 - 12:15:00	6	3	5	5	3	1.7	278	6.6	84	983.5
03/25/2022	12:15:00 - 12:30:00	5	4	5	5	3	2.0	265	6.6	84	983.4
03/25/2022	12:30:00 - 12:45:00	6	4	5	5	3	2.1	266	6.7	85	983.4
03/25/2022	12:45:00 - 13:00:00	6	4	6	5	4	1.5	274	6.8	84	983.2
03/25/2022	13:00:00 - 13:15:00	6	4	6	5	4	2.0	275	7.1	84	982.9
03/25/2022	13:15:00 - 13:30:00	7	4	6	5	4	1.9	271	7.6	83	982.5
03/25/2022	13:30:00 - 13:45:00	6	5	5	6	4	2.2	285	7.8	82	982.4
03/25/2022	13:45:00 - 14:00:00	8	6	7	6	5	2.1	286	8.0	82	982.2

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. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]
03/25/2022	14:00:00 - 14:15:00	9	6	8	7	6	2.7	280	8.0	80	982.2
03/25/2022	14:15:00 - 14:30:00	8	6	7	7	6	2.1	289	8.2	80	982.2
03/25/2022	14:30:00 - 14:45:00	8	5	6	6	5	2.3	297	8.7	78	982.0
03/25/2022	14:45:00 - 15:00:00	9	5	7	6	5	2.8	293	9.1	74	981.8
03/25/2022	15:00:00 - 15:15:00	6	4	5	5	3	2.8	299	9.7	69	981.8
03/25/2022	15:15:00 - 15:30:00	5	3	4	4	3	3.6	297	9.6	65	982.1
03/25/2022	15:30:00 - 15:45:00	4	3	4	4	2	3.3	293	9.9	62	982.2
03/25/2022	15:45:00 - 16:00:00	4	2	4	3	2	3.4	294	9.4	62	982.2
03/25/2022	16:00:00 - 16:15:00	4	2	3	3	1	3.2	299	9.1	63	982.3
03/25/2022	16:15:00 - 16:30:00	3	2	3	3	1	2.6	287	9.8	59	982.2
03/25/2022	16:30:00 - 16:45:00	3	1	3	2	0	3.1	298	9.5	58	982.2
03/25/2022	16:45:00 - 17:00:00	2	1	2	2	0	3.5	303	10.2	55	982.0
03/25/2022	17:00:00 - 17:15:00	2	1	2	2	0	3.2	306	10.0	54	982.0
03/25/2022	17:15:00 - 17:30:00	2	0	2	2	0	4.4	298	10.3	49	982.0
03/25/2022	17:30:00 - 17:45:00	2	0	2	1	0	3.5	300	9.8	49	982.1
03/25/2022	17:45:00 - 18:00:00	2	0	2	2	0	4.3	307	9.2	52	982.5
03/25/2022	18:00:00 - 18:15:00	6	0	4	2	0	3.4	312	7.4	62	982.8
03/25/2022	18:15:00 - 18:30:00	3	0	3	2	0	3.3	301	7.2	60	982.9
03/25/2022	18:30:00 - 18:45:00	2	1	2	2	0	3.7	298	7.1	59	983.1
03/25/2022	18:45:00 - 19:00:00	1	0	2	2	0	3.3	296	7.0	58	983.1
03/25/2022	19:00:00 - 19:15:00	2	0	2	2	0	3.2	297	6.7	60	983.2
03/25/2022	19:15:00 - 19:30:00	1	0	2	1	0	3.2	299	6.7	57	983.3
03/25/2022	19:30:00 - 19:45:00	1	0	2	1	0	3.2	298	6.7	55	983.5
03/25/2022	19:45:00 - 20:00:00	1	0	2	1	0	3.9	304	6.5	55	983.8
03/25/2022	20:00:00 - 20:15:00	1	0	2	1	0	3.2	301	6.2	57	984.0
03/25/2022	20:15:00 - 20:30:00	1	0	2	1	0	3.4	297	5.8	60	984.2
03/25/2022	20:30:00 - 20:45:00	1	0	2	1	0	4.2	302	5.8	57	984.3
03/25/2022	20:45:00 - 21:00:00	1	0	2	1	0	2.9	299	5.7	56	984.4
03/25/2022	21:00:00 - 21:15:00	2	0	2	1	0	3.1	300	5.3	57	984.3
03/25/2022	21:15:00 - 21:30:00	1	0	2	1	0	2.5	293	5.0	58	984.2
03/25/2022	21:30:00 - 21:45:00	1	0	2	1	0	1.8	291	4.6	61	983.9
03/25/2022	21:45:00 - 22:00:00	1	0	2	1	0	1.2	279	4.4	62	983.6
03/25/2022	22:00:00 - 22:15:00	1	0	3	1	0	1.5	278	4.4	62	983.3
03/25/2022	22:15:00 - 22:30:00	1	0	2	1	0	1.1	265	4.3	63	983.1
03/25/2022	22:30:00 - 22:45:00	1	1	3	1	0	1.7	287	4.4	62	982.9
03/25/2022	22:45:00 - 23:00:00	1	0	2	1	0	1.8	289	4.5	62	982.8
03/25/2022	23:00:00 - 23:15:00	1	0	2	1	0	2.6	292	4.5	61	982.7
03/25/2022	23:15:00 - 23:30:00	1	0	2	1	0	2.4	293	4.6	61	982.6
03/25/2022	23:30:00 - 23:45:00	1	0	2	1	0	2.3	294	4.5	62	982.3
03/25/2022	23:45:00 - 00:00:00	1	0	2	1	0	2.2	295	4.4	63	982.1
03/26/2022	00:00:00 - 00:15:00	1	0	2	1	0	2.1	289	4.2	65	982.0
03/26/2022	00:15:00 - 00:30:00	1	0	2	1	0	2.8	298	4.3	65	982.0
03/26/2022	00:30:00 - 00:45:00	1	0	2	1	0	2.5	307	4.2	68	982.0
03/26/2022	00:45:00 - 01:00:00	1	0	2	1	0	3.1	304	4.1	69	982.0
03/26/2022	01:00:00 - 01:15:00	1	0	2	1	0	2.4	299	4.0	68	981.9
03/26/2022	01:15:00 - 01:30:00	1	1	2	1	0	3.2	305	3.9	66	981.8
03/26/2022	01:30:00 - 01:45:00	1	0	2	2	0	3.4	310	3.8	60	981.8
03/26/2022	01:45:00 - 02:00:00	1	0	3	2	0	3.1	307	3.5	58	981.8
03/26/2022	02:00:00 - 02:15:00	1	0	3	2	0	2.5	312	3.2	59	981.8
03/26/2022	02:15:00 - 02:30:00	1	0	3	2	0	2.8	320	2.9	61	981.8
03/26/2022	02:30:00 - 02:45:00	1	1	3	2	0	3.0	309	2.6	63	981.7
03/26/2022	02:45:00 - 03:00:00	1	0	3	2	0	2.7	313	2.2	64	981.7
03/26/2022	03:00:00 - 03:15:00	1	0	3	2	0	2.9	306	1.9	65	981.8
03/26/2022	03:15:00 - 03:30:00	1	1	3	2	0	2.8	305	1.6	65	981.8
03/26/2022	03:30:00 - 03:45:00	1	0	3	2	1	3.0	309	1.4	67	981.9
03/26/2022	03:45:00 - 04:00:00	1	0	3	2	1	3.0	306	1.2	67	982.0
03/26/2022	04:00:00 - 04:15:00	1	0	3	2	1	3.2	306	1.1	67	982.1
03/26/2022	04:15:00 - 04:30:00	1	1	3	2	1	2.7	304	0.9	68	982.2
03/26/2022	04:30:00 - 04:45:00	1	1	3	2	1	3.2	309	0.7	69	982.4
03/26/2022	04:45:00 - 05:00:00	1	1	3	2	1	3.2	303	0.5	70	982.5
03/26/2022	05:00:00 - 05:15:00	1	1	3	2	1	2.6	304	0.4	71	982.6
03/26/2022	05:15:00 - 05:30:00	1	1	3	2	1	2.8	306	0.3	71	982.8

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]
03/26/2022	05:30:00 - 05:45:00	1	1	3	2	1	2.7	311	-0.1	71	982.8
03/26/2022	05:45:00 - 06:00:00	1	1	3	2	1	3.2	304	-0.1	69	983.0
03/26/2022	06:00:00 - 06:15:00	1	1	3	2	1	3.2	310	-0.2	68	983.2
03/26/2022	06:15:00 - 06:30:00	1	1	3	2	1	1.9	308	-0.3	70	983.4
03/26/2022	06:30:00 - 06:45:00	1	1	3	2	1	2.3	306	-0.5	73	983.6
03/26/2022	06:45:00 - 07:00:00	1	1	3	2	1	2.8	312	-0.5	69	983.9
03/26/2022	07:00:00 - 07:15:00	1	1	3	2	1	2.3	306	-0.5	68	984.1
03/26/2022	07:15:00 - 07:30:00	1	1	3	2	1	1.7	313	-0.5	71	984.2
03/26/2022	07:30:00 - 07:45:00	1	1	3	2	1	2.8	317	-0.4	68	984.4
03/26/2022	07:45:00 - 08:00:00	1	1	3	2	1	2.5	316	0.0	66	984.6
03/26/2022	08:00:00 - 08:15:00	1	1	3	2	1	2.9	311	0.2	64	984.7
03/26/2022	08:15:00 - 08:30:00	1	1	3	2	0	3.1	317	0.2	63	985.0
03/26/2022	08:30:00 - 08:45:00	1	1	3	1	0	2.9	319	0.3	62	985.2
03/26/2022	08:45:00 - 09:00:00	1	0	3	1	0	4.0	304	0.1	60	985.4
03/26/2022	09:00:00 - 09:15:00	1	1	3	1	0	4.0	307	0.3	60	985.5
03/26/2022	09:15:00 - 09:30:00	1	1	3	1	0	3.1	307	0.5	60	985.7
03/26/2022	09:30:00 - 09:45:00	1	1	3	1	0	2.8	308	0.8	60	985.9
03/26/2022	09:45:00 - 10:00:00	1	0	2	1	0	3.4	310	0.8	60	986.2
03/26/2022	10:00:00 - 10:15:00	1	1	3	2	0	3.4	311	0.8	59	986.4
03/26/2022	10:15:00 - 10:30:00	1	1	2	2	0	2.9	310	0.9	60	986.5
03/26/2022	10:30:00 - 10:45:00	1	1	2	2	0	3.0	312	1.1	60	986.6
03/26/2022	10:45:00 - 11:00:00	1	1	2	2	0	3.7	307	0.9	59	986.7
03/26/2022	11:00:00 - 11:15:00	1	1	2	2	0	2.6	327	1.3	59	986.7
03/26/2022	11:15:00 - 11:30:00	2	1	3	2	0	2.8	319	1.7	57	986.9
03/26/2022	11:30:00 - 11:45:00	1	1	2	2	0	2.3	325	1.9	56	987.0
03/26/2022	11:45:00 - 12:00:00	1	0	2	2	0	3.3	306	1.3	57	987.1
03/26/2022	12:00:00 - 12:15:00	2	1	2	2	0	3.0	313	1.8	56	987.1
03/26/2022	12:15:00 - 12:30:00	2	1	2	2	0	2.4	324	2.0	56	987.3
03/26/2022	12:30:00 - 12:45:00	2	1	2	2	0	2.7	329	1.7	56	987.5
03/26/2022	12:45:00 - 13:00:00	2	1	3	2	0	2.9	336	1.8	56	987.6
03/26/2022	13:00:00 - 13:15:00	2	1	3	2	0	2.5	325	1.8	57	987.8
03/26/2022	13:15:00 - 13:30:00	2	1	3	2	0	2.4	335	1.6	58	988.1
03/26/2022	13:30:00 - 13:45:00	2	1	3	2	0	2.7	337	1.5	58	988.2
03/26/2022	13:45:00 - 14:00:00	2	1	3	2	0	2.7	339	1.3	58	988.3
03/26/2022	14:00:00 - 14:15:00	2	1	3	2	0	2.8	333	1.0	59	988.4
03/26/2022	14:15:00 - 14:30:00	2	1	3	2	0	2.5	329	1.3	58	988.4
03/26/2022	14:30:00 - 14:45:00	2	1	3	2	0	2.9	340	1.6	58	988.4
03/26/2022	14:45:00 - 15:00:00	3	1	3	2	0	3.0	346	2.2	55	988.5
03/26/2022	15:00:00 - 15:15:00	3	1	3	2	0	3.3	311	2.1	53	988.6
03/26/2022	15:15:00 - 15:30:00	2	1	3	2	0	2.6	319	2.3	53	988.6
03/26/2022	15:30:00 - 15:45:00	2	1	3	2	0	2.9	324	2.0	52	988.7
03/26/2022	15:45:00 - 16:00:00	2	1	3	2	0	2.8	323	1.9	53	988.7
03/26/2022	16:00:00 - 16:15:00	2	1	3	2	0	3.5	313	2.2	52	988.7
03/26/2022	16:15:00 - 16:30:00	2	1	3	2	0	2.5	340	2.8	52	988.8
03/26/2022	16:30:00 - 16:45:00	2	1	3	2	0	2.6	333	2.2	53	988.9
03/26/2022	16:45:00 - 17:00:00	2	1	3	2	0	3.0	325	2.0	53	989.0
03/26/2022	17:00:00 - 17:15:00	2	1	3	3	0	2.1	333	1.9	54	989.2
03/26/2022	17:15:00 - 17:30:00	3	2	4	3	1	2.0	344	2.5	52	989.3
03/26/2022	17:30:00 - 17:45:00	3	1	4	3	1	2.0	327	2.0	54	989.3
03/26/2022	17:45:00 - 18:00:00	3	2	4	3	2	1.9	327	1.9	55	989.4
03/26/2022	18:00:00 - 18:15:00	3	2	4	3	2	2.4	306	1.6	55	989.5
03/26/2022	18:15:00 - 18:30:00	3	2	4	3	2	1.9	323	1.6	55	989.6
03/26/2022	18:30:00 - 18:45:00	3	2	4	3	2	1.6	323	1.3	56	989.7
03/26/2022	18:45:00 - 19:00:00	3	2	4	3	3	1.0	322	1.1	58	989.9
03/26/2022	19:00:00 - 19:15:00	3	2	4	3	3	1.4	328	0.8	60	990.0
03/26/2022	19:15:00 - 19:30:00	3	2	4	3	3	1.3	316	0.5	60	990.0
03/26/2022	19:30:00 - 19:45:00	2	2	4	3	2	1.0	325	0.3	61	990.0
03/26/2022	19:45:00 - 20:00:00	2	1	4	3	2	1.0	327	0.2	62	990.2
03/26/2022	20:00:00 - 20:15:00	2	1	4	3	2	0.8	309	0.0	63	990.4
03/26/2022	20:15:00 - 20:30:00	2	2	4	3	2	1.1	289	-0.1	64	990.6
03/26/2022	20:30:00 - 20:45:00	2	3	4	3	2	1.1	305	-0.2	65	990.7
03/26/2022	20:45:00 - 21:00:00	2	3	4	3	3	1.1	317	-0.3	65	990.8

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. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]
03/26/2022	21:00:00 - 21:15:00	2	2	4	3	3	1.1	317	-0.3	65	990.8
03/26/2022	21:15:00 - 21:30:00	2	2	4	3	3	1.3	327	-0.4	65	990.9
03/26/2022	21:30:00 - 21:45:00	2	2	4	3	3	1.0	332	-0.5	66	991.0
03/26/2022	21:45:00 - 22:00:00	2	1	4	3	3	0.5	326	-0.7	68	991.1
03/26/2022	22:00:00 - 22:15:00	2	2	4	3	3	0.6	304	-0.9	69	991.1
03/26/2022	22:15:00 - 22:30:00	2	2	4	3	3	0.7	303	-1.1	70	991.1
03/26/2022	22:30:00 - 22:45:00	2	2	4	3	3	0.7	311	-1.1	70	991.1
03/26/2022	22:45:00 - 23:00:00	2	1	3	3	2	0.7	304	-1.2	71	991.2
03/26/2022	23:00:00 - 23:15:00	2	2	3	3	3	0.7	336	-1.3	70	991.3
03/26/2022	23:15:00 - 23:30:00	2	1	3	2	3	1.3	346	-1.3	69	991.4
03/26/2022	23:30:00 - 23:45:00	2	1	3	2	2	1.1	359	-1.4	70	991.4
03/26/2022	23:45:00 - 00:00:00	2	1	3	2	2	1.2	353	-1.6	72	991.5
03/27/2022	00:00:00 - 00:15:00	2	1	3	2	2	1.3	354	-1.7	74	991.5
03/27/2022	00:15:00 - 00:30:00	2	1	3	2	2	1.3	351	-1.9	74	991.5
03/27/2022	00:30:00 - 00:45:00	1	1	3	2	2	1.0	4	-2.0	75	991.4
03/27/2022	00:45:00 - 01:00:00	2	1	3	2	2	1.0	355	-2.2	76	991.6
03/27/2022	01:00:00 - 01:15:00	1	1	3	2	2	0.8	1	-2.3	78	991.8
03/27/2022	01:15:00 - 01:30:00	2	1	3	2	2	0.9	347	-2.5	79	992.1
03/27/2022	01:30:00 - 01:45:00	1	1	3	2	2	0.9	2	-2.7	80	992.2
03/27/2022	01:45:00 - 02:00:00	2	1	3	2	2	0.7	2	-2.9	81	992.1
03/27/2022	02:00:00 - 02:15:00	2	1	3	2	2	1	342	-3	82	992
03/27/2022	02:15:00 - 02:30:00	2	2	3	3	3	0	348	-3	84	992
03/27/2022	02:30:00 - 02:45:00	2	1	3	2	2	0	325	-3	85	992
03/27/2022	02:45:00 - 03:00:00	2	2	3	2	3	0	335	-4	86	992
03/27/2022	03:00:00 - 03:15:00	2	2	3	3	3	0.4	348	-4.0	86	991.7
03/27/2022	03:15:00 - 03:30:00	2	2	3	3	3	0.5	347	-4.0	87	991.7
03/27/2022	03:30:00 - 03:45:00	2	2	3	3	3	0.5	328	-4.0	87	991.7
03/27/2022	03:45:00 - 04:00:00	2	2	4	3	4	0.5	328	-3.8	86	991.9
03/27/2022	04:00:00 - 04:15:00	2	2	4	3	3	0.6	325	-3.8	85	992.0
03/27/2022	04:15:00 - 04:30:00	2	2	3	3	3	0.3	340	-3.9	85	992.3
03/27/2022	04:30:00 - 04:45:00	2	1	3	3	3	0.4	335	-4.0	85	992.4
03/27/2022	04:45:00 - 05:00:00	2	1	3	3	3	0.4	339	-4.1	85	992.6
03/27/2022	05:00:00 - 05:15:00	2	1	3	3	3	0.5	324	-4.1	85	992.8
03/27/2022	05:15:00 - 05:30:00	2	2	3	3	3	0.8	319	-3.8	84	993.0
03/27/2022	05:30:00 - 05:45:00	2	2	4	3	4	1.1	311	-3.9	85	993.1
03/27/2022	05:45:00 - 06:00:00	2	2	4	3	4	1.0	311	-4.0	85	993.1
03/27/2022	06:00:00 - 06:15:00	2	2	4	3	4	1.1	321	-4.0	83	993.2
03/27/2022	06:15:00 - 06:30:00	2	2	4	3	4	1.2	321	-3.8	81	993.5
03/27/2022	06:30:00 - 06:45:00	2	2	3	3	3	1.2	318	-3.7	80	993.7
03/27/2022	06:45:00 - 07:00:00	2	2	3	3	3	1.3	329	-3.4	77	993.9
03/27/2022	07:00:00 - 07:15:00	2	1	3	3	3	1.2	322	-2.9	74	994.1
03/27/2022	07:15:00 - 07:30:00	2	2	3	3	3	1.2	330	-2.4	72	994.5
03/27/2022	07:30:00 - 07:45:00	2	1	3	3	2	1.4	331	-2.1	70	994.9
03/27/2022	07:45:00 - 08:00:00	1	1	3	2	2	1.6	345	-1.7	68	995.1
03/27/2022	08:00:00 - 08:15:00	1	1	3	2	2	1.2	353	-1.2	66	995.3
03/27/2022	08:15:00 - 08:30:00	1	1	3	2	1	1.8	347	-1.1	64	995.4
03/27/2022	08:30:00 - 08:45:00	1	1	3	2	1	1.7	348	-0.9	62	995.5
03/27/2022	08:45:00 - 09:00:00	1	1	3	2	1	2.0	354	-0.6	59	995.6
03/27/2022	09:00:00 - 09:15:00	1	1	3	2	0	1.7	4	-0.4	59	995.8
03/27/2022	09:15:00 - 09:30:00	1	1	3	2	0	1.7	12	-0.1	57	996.0
03/27/2022	09:30:00 - 09:45:00	1	1	3	2	0	1.7	351	0.3	54	996.2
03/27/2022	09:45:00 - 10:00:00	1	1	3	2	0	1.9	351	0.4	53	996.5
03/27/2022	10:00:00 - 10:15:00	2	1	3	2	0	1.8	340	0.5	53	996.6
03/27/2022	10:15:00 - 10:30:00	2	1	3	2	0	1.8	343	0.9	52	996.7
03/27/2022	10:30:00 - 10:45:00	2	1	3	2	0	1.8	341	0.8	51	996.8
03/27/2022	10:45:00 - 11:00:00	2	1	3	2	0	2.2	330	1.0	50	996.7
03/27/2022	11:00:00 - 11:15:00	2	1	3	2	0	1.6	357	1.7	50	996.7
03/27/2022	11:15:00 - 11:30:00	2	1	3	2	0	1.9	340	1.7	49	996.6
03/27/2022	11:30:00 - 11:45:00	2	1	3	2	0	2.2	336	1.7	48	996.5
03/27/2022	11:45:00 - 12:00:00	2	1	3	2	0	1.5	353	1.9	49	996.4
03/27/2022	12:00:00 - 12:15:00	2	1	3	2	0	1.9	347	2.1	49	996.3
03/27/2022	12:15:00 - 12:30:00	2	1	3	2	0	1.8	358	2.5	49	996.2

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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]
03/27/2022	12:30:00 - 12:45:00	2	1	3	2	0	1.8	346	2.7	47	996.1
03/27/2022	12:45:00 - 13:00:00	2	1	2	2	0	1.9	351	2.8	47	996.0
03/27/2022	13:00:00 - 13:15:00	2	1	2	2	0	1.5	353	3.3	46	996.0
03/27/2022	13:15:00 - 13:30:00	2	1	2	2	0	1.9	325	3.0	46	995.9
03/27/2022	13:30:00 - 13:45:00	2	1	2	2	0	1.5	354	3.8	45	995.8
03/27/2022	13:45:00 - 14:00:00	3	1	3	3	1	1.7	355	3.5	46	995.5
03/27/2022	14:00:00 - 14:15:00	3	1	3	2	0	1.9	347	3.9	44	995.4
03/27/2022	14:15:00 - 14:30:00	3	1	3	2	0	2.0	4	4.0	44	995.5
03/27/2022	14:30:00 - 14:45:00	2	1	2	2	0	1.7	350	4.2	43	995.4
03/27/2022	14:45:00 - 15:00:00	3	1	3	2	0	1.4	357	4.5	43	995.2
03/27/2022	15:00:00 - 15:15:00	2	1	2	2	0	1.7	348	4.4	44	995.2
03/27/2022	15:15:00 - 15:30:00	3	1	3	2	0	1.7	358	4.7	44	995.2
03/27/2022	15:30:00 - 15:45:00	3	1	3	3	0	1.5	327	4.6	43	995.2
03/27/2022	15:45:00 - 16:00:00	2	1	3	2	0	1.8	341	4.6	42	995.3
03/27/2022	16:00:00 - 16:15:00	2	1	3	2	0	1.9	335	4.3	41	995.2
03/27/2022	16:15:00 - 16:30:00	2	1	3	2	0	1.7	342	4.4	42	995.1
03/27/2022	16:30:00 - 16:45:00	3	1	3	2	0	1.7	351	4.4	41	995.2
03/27/2022	16:45:00 - 17:00:00	3	1	3	2	0	1.4	343	4.5	41	995.2
03/27/2022	17:00:00 - 17:15:00	3	1	3	2	0	1.5	340	4.4	41	995.3
03/27/2022	17:15:00 - 17:30:00	2	1	3	2	0	1.5	346	4.2	42	995.2
03/27/2022	17:30:00 - 17:45:00	3	1	3	3	1	1.0	330	3.9	42	995.1
03/27/2022	17:45:00 - 18:00:00	3	1	3	2	0	1.3	346	3.7	43	995.0
03/27/2022	18:00:00 - 18:15:00	3	1	3	3	1	1.2	325	3.1	43	995.0
03/27/2022	18:15:00 - 18:30:00	3	1	3	3	1	1.1	338	2.8	45	995.1
03/27/2022	18:30:00 - 18:45:00	3	2	3	3	1	1.0	355	2.4	46	995.1
03/27/2022	18:45:00 - 19:00:00	3	2	4	3	2	0.7	351	1.9	49	995.1
03/27/2022	19:00:00 - 19:15:00	3	2	5	4	3	1.0	14	1.6	51	995.1
03/27/2022	19:15:00 - 19:30:00	4	1	5	6	6	0.4	24	1.1	55	995.2
03/27/2022	19:30:00 - 19:45:00	3	1	4	4	4	0.7	12	0.7	57	995.2
03/27/2022	19:45:00 - 20:00:00	3	2	4	3	3	0.2	33	0.3	58	995.4
03/27/2022	20:00:00 - 20:15:00	4	2	5	4	3	0.2	78	-0.2	60	995.3
03/27/2022	20:15:00 - 20:30:00	3	2	4	4	4	0.1	32	-0.4	61	995.3
03/27/2022	20:30:00 - 20:45:00	3	2	4	4	3	0.2	4	-0.6	62	995.4
03/27/2022	20:45:00 - 21:00:00	2	1	4	3	2	0.2	44	-0.9	62	995.5
03/27/2022	21:00:00 - 21:15:00	2	1	4	3	2	0.2	67	-1.1	64	995.5
03/27/2022	21:15:00 - 21:30:00	2	1	4	3	3	0.4	73	-1.3	65	995.5
03/27/2022	21:30:00 - 21:45:00	2	2	4	3	3	0.3	72	-1.6	67	995.5
03/27/2022	21:45:00 - 22:00:00	2	2	4	3	3	0.4	47	-1.7	68	995.6
03/27/2022	22:00:00 - 22:15:00	3	2	4	3	3	0.3	63	-2.0	69	995.6
03/27/2022	22:15:00 - 22:30:00	3	2	4	3	3	0.3	69	-2.5	71	995.6
03/27/2022	22:30:00 - 22:45:00	3	2	4	3	3	0.3	44	-2.5	72	995.6
03/27/2022	22:45:00 - 23:00:00	3	2	4	3	4	0.3	59	-2.5	71	995.6
03/27/2022	23:00:00 - 23:15:00	3	2	4	3	3	0.3	84	-3.1	72	995.6
03/27/2022	23:15:00 - 23:30:00	3	2	4	3	3	0.3	135	-3.4	73	995.7
03/27/2022	23:30:00 - 23:45:00	3	2	4	3	4	0.1	127	-3.4	74	995.7
03/27/2022	23:45:00 - 00:00:00	3	2	4	3	3	0.1	30	-3.6	75	995.7
03/28/2022	00:00:00 - 00:15:00	3	3	4	3	4	0.1	50	-3.4	76	995.6
03/28/2022	00:15:00 - 00:30:00	3	3	4	3	4	0.2	27	-3.9	78	995.6
03/28/2022	00:30:00 - 00:45:00	3	3	4	4	4	0.1	344	-4.1	79	995.6
03/28/2022	00:45:00 - 01:00:00	3	3	4	4	5	0.2	353	-3.8	78	995.8
03/28/2022	01:00:00 - 01:15:00	4	4	5	5	5	0.2	63	-4.0	79	995.8
03/28/2022	01:15:00 - 01:30:00	4	4	5	4	5	0.3	47	-4.3	80	995.8
03/28/2022	01:30:00 - 01:45:00	4	3	5	5	5	0.3	340	-4.3	80	995.7
03/28/2022	01:45:00 - 02:00:00	4	3	5	5	5	0.3	353	-4.3	80	995.7
03/28/2022	02:00:00 - 02:15:00	3	3	5	4	5	0.3	357	-4.2	79	995.7
03/28/2022	02:15:00 - 02:30:00	3	3	4	4	4	0.4	353	-4.0	79	995.7
03/28/2022	02:30:00 - 02:45:00	3	3	4	4	5	0.2	347	-4.2	78	995.7
03/28/2022	02:45:00 - 03:00:00	3	3	4	4	5	0.2	0	-4.3	77	995.7
03/28/2022	03:00:00 - 03:15:00	4	3	5	4	5	0.3	331	-4.1	76	995.7
03/28/2022	03:15:00 - 03:30:00	3	3	5	4	5	0.3	334	-3.8	74	995.7
03/28/2022	03:30:00 - 03:45:00	3	3	5	4	5	0.2	334	-3.6	71	995.9
03/28/2022	03:45:00 - 04:00:00	3	3	4	4	5	0.4	313	-3.3	70	996.0

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. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]
03/28/2022	04:00:00 - 04:15:00	3	4	5	4	5	0.3	323	-3.4	70	996.0
03/28/2022	04:15:00 - 04:30:00	3	3	5	4	5	0.4	319	-3.6	71	996.0
03/28/2022	04:30:00 - 04:45:00	4	4	5	4	5	0.3	329	-3.6	71	996.1
03/28/2022	04:45:00 - 05:00:00	3	4	5	4	5	0.4	330	-3.7	70	996.2
03/28/2022	05:00:00 - 05:15:00	4	4	5	4	5	0.4	355	-3.6	70	996.4
03/28/2022	05:15:00 - 05:30:00	3	3	5	4	5	1.0	352	-3.4	67	996.6
03/28/2022	05:30:00 - 05:45:00	4	3	5	4	5	1.1	349	-3.4	68	996.8
03/28/2022	05:45:00 - 06:00:00	4	3	4	4	5	0.6	351.4	-3.7	70.0	996.9
03/28/2022	06:00:00 - 06:15:00	4	3	5	4	5	0.7	353.0	-4.0	71.9	997.1
03/28/2022	06:15:00 - 06:30:00	6	3	6	4	5	1.0	0.9	-4.1	73.7	997.2
03/28/2022	06:30:00 - 06:45:00	5	3	5	4	5	1.1	358.2	-4.1	75.0	997.3
03/28/2022	06:45:00 - 07:00:00	4	3	5	4	5	0.9	8.7	-3.5	74.3	997.5
03/28/2022	07:00:00 - 07:15:00	4	4	5	5	6	0.9	18.9	-3.0	72.2	997.8
03/28/2022	07:15:00 - 07:30:00	6	4	7	6	7	1.0	19.3	-2.7	70.5	998.0
03/28/2022	07:30:00 - 07:45:00	7	4	7	6	8	1.3	35.4	-2.0	66.0	998.2
03/28/2022	07:45:00 - 08:00:00	4	3	5	5	7	1.3	31.0	-1.6	63.2	998.3
03/28/2022	08:00:00 - 08:15:00	4	3	7	4	6	1.5	34.8	-1.2	59.1	998.3
03/28/2022	08:15:00 - 08:30:00	4	3	6	4	6	1.5	23.5	-0.9	52.4	998.4
03/28/2022	08:30:00 - 08:45:00	3	2	5	3	6	1.7	28.5	-0.5	46.5	998.6
03/28/2022	08:45:00 - 09:00:00	3	2	5	3	4	1.9	45.5	-0.7	47.0	998.7
03/28/2022	09:00:00 - 09:15:00	2	2	4	3	3	1.3	53.3	0.2	47.9	999.0
03/28/2022	09:15:00 - 09:30:00	2	2	4	3	2	1.4	36.1	0.7	43.1	999.2
03/28/2022	09:30:00 - 09:45:00	2	1	4	3	1	2.3	66.9	0.7	40.7	999.3
03/28/2022	09:45:00 - 10:00:00	2	1	4	3	2	2.0	51.6	1.0	38.9	999.5
03/28/2022	10:00:00 - 10:15:00	2	1	3	3	2	2.1	60.2	1.1	38.1	999.6
03/28/2022	10:15:00 - 10:30:00	2	1	3	3	2	1.3	41.3	2.1	37.1	999.8
03/28/2022	10:30:00 - 10:45:00	2	1	4	3	2	1.7	45.0	2.5	36.8	999.9
03/28/2022	10:45:00 - 11:00:00	3	1	4	3	2	1.3	32.3	2.9	35.6	999.8
03/28/2022	11:00:00 - 11:15:00	3	1	4	3	2	1.3	19.7	2.9	35.2	999.9
03/28/2022	11:15:00 - 11:30:00	7	1	6	3	2	1.8	63.7	3.2	35.4	1000.0
03/28/2022	11:30:00 - 11:45:00	3	2	3	3	2	1.7	22	3.1	36	1000.1
03/28/2022	11:45:00 - 12:00:00	3	1	3	2	0	1.3	44	3.7	35	1000.0
03/28/2022	12:00:00 - 12:15:00	3	1	4	2	0	1.3	41	3.8	35	999.9
03/28/2022	12:15:00 - 12:30:00	3	1	3	2	1	1.5	52	4.0	35	999.7
03/28/2022	12:30:00 - 12:45:00	2	1	3	2	0	2.0	78	3.6	36	999.6
03/28/2022	12:45:00 - 13:00:00	3	1	3	3	1	1.6	49	4.4	38	999.4
03/28/2022	13:00:00 - 13:15:00	4	1	4	3	3	1.1	31	4.8	39	999.2
03/28/2022	13:15:00 - 13:30:00	4	1	4	3	6	2.0	39	4.7	38	998.9
03/28/2022	13:30:00 - 13:45:00	3	1	3	3	7	1.6	51	4.7	41	998.7
03/28/2022	13:45:00 - 14:00:00	4	1	3	3	3	1.0	66	5.4	41	998.6
03/28/2022	14:00:00 - 14:15:00	4	1	4	4	2	2.0	57	5.2	42	998.4
03/28/2022	14:15:00 - 14:30:00	4	1	3	3	4	1.5	65	4.7	40	998.3
03/28/2022	14:30:00 - 14:45:00	3	2	3	3	2	1.4	68	4.9	42	998.2
03/28/2022	14:45:00 - 15:00:00	3	2	3	4	3	2.5	85	5.0	40	998.0
03/28/2022	15:00:00 - 15:15:00	3	2	3	4	3	1.4	56	5.1	41	997.8
03/28/2022	15:15:00 - 15:30:00	4	2	3	3	2	2.2	73	5.1	41	997.6
03/28/2022	15:30:00 - 15:45:00	4	2	3	3	4	1.4	49	5.3	39	997.4
03/28/2022	15:45:00 - 16:00:00	3	2	3	3	2	2.5	69	4.8	39	997.3
03/28/2022	16:00:00 - 16:15:00	3	2	3	3	1	1.4	70	5.3	39	997.2
03/28/2022	16:15:00 - 16:30:00	4	2	4	3	2	1.9	57	5.3	38	997.1
03/28/2022	16:30:00 - 16:45:00	4	2	4	4	2	1.4	34	5.5	38	997.0
03/28/2022	16:45:00 - 17:00:00	4	2	4	4	3	1.9	53	5.0	40	997.0
03/28/2022	17:00:00 - 17:15:00	4	2	4	4	2	2.3	82	4.6	41	997.0
03/28/2022	17:15:00 - 17:30:00	4	2	4	4	2	1.9	46	4.7	43	997.0
03/28/2022	17:30:00 - 17:45:00	4	2	4	4	2	1.9	67	4.3	43	996.9
03/28/2022	17:45:00 - 18:00:00	6	4	5	5	4	1.6	82	4.2	44	997.1
03/28/2022	18:00:00 - 18:15:00	7	5	6	6	6	2.2	80	3.9	44	997.1
03/28/2022	18:15:00 - 18:30:00	5	3	5	4	3	2.2	71	3.8	45	996.9
03/28/2022	18:30:00 - 18:45:00	4	2	4	4	2	2.6	95	3.7	45	996.9
03/28/2022	18:45:00 - 19:00:00	4	2	4	4	2	1.9	90	3.5	46	997.0
03/28/2022	19:00:00 - 19:15:00	5	4	5	6	4	1.9	89	3.4	48	997.0
03/28/2022	19:15:00 - 19:30:00	5	3	5	5	4	2.0	84	3.2	50	997.0

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]
03/28/2022	19:30:00 - 19:45:00	5	4	6	6	4	2.0	80	3.1	50	997.1
03/28/2022	19:45:00 - 20:00:00	7	6	7	7	7	2.5	84	3.0	50	997.2
03/28/2022	20:00:00 - 20:15:00	7	7	8	8	8	2.7	84	2.9	51	997.4
03/28/2022	20:15:00 - 20:30:00	7	5	7	7	7	2.3	87	2.8	52	997.6
03/28/2022	20:30:00 - 20:45:00	6	5	7	6	6	1.9	85	2.6	53	997.8
03/28/2022	20:45:00 - 21:00:00	6	4	6	6	6	2.2	93	2.5	54	997.8
03/28/2022	21:00:00 - 21:15:00	5	4	6	5	5	2.1	85	2.2	57	997.9
03/28/2022	21:15:00 - 21:30:00	6	4	6	6	5	2.3	86	1.9	57	997.9
03/28/2022	21:30:00 - 21:45:00	6	4	6	6	6	1.9	68	1.5	58	997.9
03/28/2022	21:45:00 - 22:00:00	4	3	5	5	4	2.2	80	1.2	60	997.9
03/28/2022	22:00:00 - 22:15:00	3	3	5	4	4	2.0	62	0.7	62	997.7
03/28/2022	22:15:00 - 22:30:00	3	2	4	4	4	2.8	81	0.4	64	997.5
03/28/2022	22:30:00 - 22:45:00	4	3	5	4	4	3.0	82	0.2	63	997.2
03/28/2022	22:45:00 - 23:00:00	3	3	5	4	4	2.6	85	0.0	64	997.3
03/28/2022	23:00:00 - 23:15:00	3	2	4	4	3	2.9	84	-0.2	64	997.2
03/28/2022	23:15:00 - 23:30:00	3	2	4	4	3	2.9	84	-0.3	66	997.3
03/28/2022	23:30:00 - 23:45:00	3	2	4	3	3	2.4	87	-0.4	67	997.2
03/28/2022	23:45:00 - 00:00:00	2	2	4	3	3	2.1	80	-0.5	68	997.3
03/29/2022	00:00:00 - 00:15:00	2	2	4	3	3	2.7	88	-0.6	69	997.3
03/29/2022	00:15:00 - 00:30:00	2	2	4	3	2	2.6	87	-0.7	68	997.2
03/29/2022	00:30:00 - 00:45:00	2	1	4	3	2	2.2	82	-0.8	69	997.0
03/29/2022	00:45:00 - 01:00:00	2	1	3	3	2	2.6	93	-0.8	69	996.8
03/29/2022	01:00:00 - 01:15:00	2	1	3	3	2	2.0	99	-0.8	69	997.2
03/29/2022	01:15:00 - 01:30:00	1	1	3	2	2	2.1	84	-0.8	69	997.2
03/29/2022	01:30:00 - 01:45:00	1	1	3	3	2	2.7	88	-0.8	70	997.2
03/29/2022	01:45:00 - 02:00:00	2	1	3	3	3	2.5	101	-0.9	70	997.3
03/29/2022	02:00:00 - 02:15:00	2	1	3	3	2	2.6	96	-0.9	71	997.1
03/29/2022	02:15:00 - 02:30:00	2	2	3	4	2	2.6	92	-0.9	71	996.8
03/29/2022	02:30:00 - 02:45:00	2	2	3	3	2	2.7	95	-0.8	71	996.5
03/29/2022	02:45:00 - 03:00:00	2	1	3	3	2	2.8	94	-0.8	71	996.2
03/29/2022	03:00:00 - 03:15:00	2	1	3	3	2	2.6	93	-0.8	70	996.1
03/29/2022	03:15:00 - 03:30:00	2	1	4	3	2	2.7	100	-0.9	71	996.0
03/29/2022	03:30:00 - 03:45:00	2	1	4	3	2	2.9	96	-0.9	71	995.9
03/29/2022	03:45:00 - 04:00:00	2	1	4	3	2	3.1	97	-0.8	70	995.8
03/29/2022	04:00:00 - 04:15:00	2	2	4	3	2	3.5	96	-0.8	70	995.5
03/29/2022	04:15:00 - 04:30:00	2	2	4	3	2	2.9	103	-0.7	69	995.4
03/29/2022	04:30:00 - 04:45:00	2	2	4	3	2	3.1	95	-0.7	69	995.3
03/29/2022	04:45:00 - 05:00:00	2	2	4	3	3	3.6	97	-0.6	68	995.0
03/29/2022	05:00:00 - 05:15:00	3	2	4	3	3	3.2	101	-0.5	68	994.8
03/29/2022	05:15:00 - 05:30:00	2	2	4	3	3	3.6	90	-0.6	69	994.7
03/29/2022	05:30:00 - 05:45:00	2	2	4	3	2	3.5	98	-0.6	70	994.7
03/29/2022	05:45:00 - 06:00:00	2	2	4	3	2	3.7	96	-0.7	71	994.6
03/29/2022	06:00:00 - 06:15:00	2	1	4	3	2	2.9	92	-0.6	71	994.8
03/29/2022	06:15:00 - 06:30:00	2	1	4	3	3	3.6	97	-0.5	72	994.8
03/29/2022	06:30:00 - 06:45:00	2	2	4	3	2	2.7	105	-0.3	71	995.0
03/29/2022	06:45:00 - 07:00:00	2	2	4	3	2	3.2	106	-0.2	71	995.0
03/29/2022	07:00:00 - 07:15:00	2	2	4	3	2	3.6	99	-0.1	71	994.6
03/29/2022	07:15:00 - 07:30:00	2	2	4	4	3	3.5	98	0.1	71	994.4
03/29/2022	07:30:00 - 07:45:00	2	2	4	4	4	3.4	102	0.4	70	994.5
03/29/2022	07:45:00 - 08:00:00	3	2	5	5	4	3.7	101	0.5	69	994.5
03/29/2022	08:00:00 - 08:15:00	3	2	5	7	7	3.5	106	0.7	69	994.5
03/29/2022	08:15:00 - 08:30:00	3	2	5	10	6	3.0	112	0.8	68	994.4
03/29/2022	08:30:00 - 08:45:00	3	3	5	10	5	3.4	107	0.9	68	994.5
03/29/2022	08:45:00 - 09:00:00	3	3	5	8	5	3.4	109	1.1	67	994.5
03/29/2022	09:00:00 - 09:15:00	4	3	5	8	5	3.2	106	1.3	67	994.6
03/29/2022	09:15:00 - 09:30:00	4	3	5	6	5	2.9	107	1.6	66	994.6
03/29/2022	09:30:00 - 09:45:00	4	3	5	12	5	2.7	114	1.9	65	994.6
03/29/2022	09:45:00 - 10:00:00	4	3	5	8	6	3.0	111	2.1	64	994.6
03/29/2022	10:00:00 - 10:15:00	4	3	6	26	7	2.8	117	2.5	63	994.5
03/29/2022	10:15:00 - 10:30:00	5	4	6	10	7	3.1	113	2.7	62	994.4
03/29/2022	10:30:00 - 10:45:00	4	4	5	8	6	3.8	104	2.8	62	993.7
03/29/2022	10:45:00 - 11:00:00	4	3	5	10	5	4.2	100	2.7	65	993.6

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. [$\mu\text{g}/\text{m}^3$]	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. [$\mu\text{g}/\text{m}^3$]	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. [$\mu\text{g}/\text{m}^3$]	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. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]					
03/29/2022	11:00:00 - 11:15:00	4	3	5	6	4	3.5	110	2.9	64	993.3																				
03/29/2022	11:15:00 - 11:30:00	4	3	5	5	4	3.4	107	3.2	61	993.0																				
03/29/2022	11:30:00 - 11:45:00	4	3	5	5	4	3.7	106	3.6	60	992.6																				
03/29/2022	11:45:00 - 12:00:00	4	3	5	6	4	4.2	104	3.8	58	992.1																				
03/29/2022	12:00:00 - 12:15:00	4	3	5	6	5	3.4	110	4.1	56	991.8																				
03/29/2022	12:15:00 - 12:30:00	4	3	5	9	4	3.6	107	4.2	55	991.4																				
03/29/2022	12:30:00 - 12:45:00	5	4	5	8	6	3.5	113	4.4	54	991.1																				
03/29/2022	12:45:00 - 13:00:00	4	3	6	8	7	3.6	115	4.6	52	990.9																				
03/29/2022	13:00:00 - 13:15:00	5	4	5	9	10	3.4	120	4.7	52	990.8																				
03/29/2022	13:15:00 - 13:30:00	4	4	5	7	5	2.9	123	4.9	52	990.4																				
03/29/2022	13:30:00 - 13:45:00	5	4	6	8	5	3.3	113	5.0	51	989.9																				
03/29/2022	13:45:00 - 14:00:00	5	4	5	8	5	3.5	110	5.2	51	989.5																				
03/29/2022	14:00:00 - 14:15:00	4	4	5	6	5	4.3	105	5.3	51	989.0																				
03/29/2022	14:15:00 - 14:30:00	4	3	5	8	3	4.8	101	5.4	50	988.4																				
03/29/2022	14:30:00 - 14:45:00	4	3	5	9	6	4.8	104	5.6	47	987.8																				
03/29/2022	14:45:00 - 15:00:00	4	3	4	9	3	4.4	107	5.7	46	987.4																				
03/29/2022	15:00:00 - 15:15:00	4	3	4	8	4	4.2	104	5.8	47	987.2																				
03/29/2022	15:15:00 - 15:30:00	4	3	4	6	2	3.3	112	6.0	48	987.0																				
03/29/2022	15:30:00 - 15:45:00	4	3	4	7	4	3.2	113	6.0	48	986.7																				
03/29/2022	15:45:00 - 16:00:00	4	3	4	8	4	3.5	117	6.1	48	986.3																				
03/29/2022	16:00:00 - 16:15:00	4	3	4	4	3	3.1	113	6.2	48	986.1																				
03/29/2022	16:15:00 - 16:30:00	4	3	4	6	3	3.4	118	6.0	48	986.2																				
03/29/2022	16:30:00 - 16:45:00	4	3	5	7	5	3.4	108	6.0	49	985.9																				
03/29/2022	16:45:00 - 17:00:00	4	3	5	6	7	3.4	119	5.9	49	985.9																				
03/29/2022	17:00:00 - 17:15:00	5	4	5	17	5	3.8	112	5.9	49	985.8																				
03/29/2022	17:15:00 - 17:30:00	6	5	6	11	7	3.2	117	5.9	50	985.6																				
03/29/2022	17:30:00 - 17:45:00	6	5	6	7	6	3.1	113	6.0	50	985.3																				
03/29/2022	17:45:00 - 18:00:00	7	5	7	6	6	3.6	109	6.1	51	985.0																				
03/29/2022	18:00:00 - 18:15:00	6	4	6	6	5	3.2	119	6.0	50	984.8																				
03/29/2022	18:15:00 - 18:30:00	5	3	5	6	4	3.7	111	5.9	50	984.6																				
03/29/2022	18:30:00 - 18:45:00	4	3	5	15	3	4.1	110	5.8	51	984.3																				
03/29/2022	18:45:00 - 19:00:00	4	3	4	5	2	4.1	102	5.7	52	983.9																				
03/29/2022	19:00:00 - 19:15:00	3	3	4	4	2	3.5	106	5.5	53	983.9																				
03/29/2022	19:15:00 - 19:30:00	4	3	4	4	2	3.6	111	5.5	53	983.7																				
03/29/2022	19:30:00 - 19:45:00	4	3	4	4	2	3.5	109	5.4	53	983.3																				
03/29/2022	19:45:00 - 20:00:00	4	3	5	4	3	3.7	111	5.3	54	983.3																				
03/29/2022	20:00:00 - 20:15:00	4	3	5	4	3	3.6	115	5.2	55	983.2																				
03/29/2022	20:15:00 - 20:30:00	4	3	5	4	2	3.8	111	5.3	55	982.9																				
03/29/2022	20:30:00 - 20:45:00	4	3	5	4	3	4.1	105	5.2	56	982.8																				
03/29/2022	20:45:00 - 21:00:00	4	3	5	4	3	3.7	114	5.1	56	982.7																				
03/29/2022	21:00:00 - 21:15:00	4	4	5	5	4	3.3	113	5.0	56	982.4																				
03/29/2022	21:15:00 - 21:30:00	5	4	6	5	4	3.7	114	5.0	57	982.0																				
03/29/2022	21:30:00 - 21:45:00	5	4	6	6	5	3.5	111	5.0	57	981.8																				
03/29/2022	21:45:00 - 22:00:00	5	4	6	5	5	3.0	122	5.0	58	981.5																				
03/29/2022	22:00:00 - 22:15:00	5	4	6	5	5	3.0	121	5.1	58	981.6																				
03/29/2022	22:15:00 - 22:30:00	5	4	6	5	5	3.3	113	5.1	58	981.2																				
03/29/2022	22:30:00 - 22:45:00	5	4	6	5	4	2.9	130	5.3	58	981.3																				
03/29/2022	22:45:00 - 23:00:00	5	4	6	5	4	2.9	127	5.4	57	981.2																				
03/29/2022	23:00:00 - 23:15:00	4	4	5	5	4	3.5	123	5.4	57	981.2																				
03/29/2022	23:15:00 - 23:30:00	4	3	5	5	3	3.2	131	5.4	57	981.2																				
03/29/2022	23:30:00 - 23:45:00	4	3	5	4	3	2.8	125	5.5	58	981.1																				
03/29/2022	23:45:00 - 00:00:00	4	3	5	4	3	2.5	127	5.4	58	981.0																				

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

Appendix A: Complete Preliminary Data Record

3/23/2022																				
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	NA	NA	807	0.0	935	0.0	1005	0.0	1105	0.0	1206	0.0	1306	0.0	1408	0.0	1505	0.0	1605	0.0
SAM-2	NA	NA	802	0.0	931	0.0	1001	0.0	1101	0.0	1201	0.0	1302	0.0	1402	0.0	1501	0.0	1601	0.0
SAM-3	NA	NA	818	0.0	944	0.0	1013	0.0	1113	0.0	1212	0.0	1320	0.0	1418	0.0	1513	0.0	1613	0.0
SAM-4	NA	NA	811	0.0	938	0.0	1008	0.0	1108	0.0	1207	0.0	1311	0.0	1412	0.0	1508	0.0	1608	0.0
IMPL-A	NA	NA	800	0.0	930	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0
IMPL-B	NA	NA	803	0.0	932	0.0	1002	0.0	1102	0.0	1202	0.0	1303	0.0	1403	0.0	1502	0.0	1602	0.0
IMPL-C	NA	NA	804	0.0	933	0.0	1003	0.0	1103	0.0	1203	0.0	1304	0.0	1404	0.0	1503	0.0	1603	0.0
IMPL-D	NA	NA	805	0.0	934	0.0	1004	0.0	1104	0.0	1205	0.0	1304	0.0	1406	0.0	1504	0.0	1604	0.0
IMPL-E	NA	NA	808	0.0	936	0.0	1006	0.0	1106	0.0	1205	0.0	1308	0.0	1410	0.0	1506	0.0	1606	0.0
IMPL-F	NA	NA	810	0.0	937	0.0	1007	0.0	1107	0.0	1206	0.0	1310	0.0	1411	0.0	1507	0.0	1607	0.0
IMPL-G	NA	NA	812	0.0	939	0.0	1009	0.0	1109	0.0	1208	0.0	1312	0.0	1413	0.0	1509	0.0	1609	0.0
IMPL-H	NA	NA	813	0.0	940	0.0	1010	0.0	1110	0.0	1209	0.0	1313	0.0	1414	0.0	1510	0.0	1610	0.0
IMPL-I	NA	NA	814	0.0	941	0.0	1011	0.0	1111	0.0	1210	0.0	1314	0.0	1415	0.0	1511	0.0	1611	0.0
IMPL-J	NA	NA	816	0.0	942	0.0	1012	0.0	1112	0.0	1211	0.0	1316	0.0	1416	0.0	1512	0.0	1612	0.0
IMPL-K	NA	NA	819	0.2	945	0.2	1014	0.1	1114	0.1	1213	0.1	1322	0.1	1419	0.0	1514	0.0	1614	0.0
IMPL-L	NA	NA	820	0.2	946	0.2	1015	0.1	1115	0.1	1214	0.1	1323	0.1	1420	0.0	1515	0.0	1615	0.0

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

3/24/2022																				
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	735	0.0	807	0.0	935	0.0	1005	0.0	1105	0.0	1206	0.0	1306	0.0	1408	0.0	1505	0.0	1605	0.0
SAM-2	732	0.0	802	0.1	931	0.1	1001	0.1	1101	0.0	1201	0.0	1302	0.0	1402	0.0	1501	0.0	1601	0.0
SAM-3	746	0.0	818	0.0	944	0.0	1013	0.0	1113	0.0	1212	0.0	1320	0.0	1418	0.0	1513	0.0	1613	0.0
SAM-4	739	0.0	811	0.0	938	0.0	1008	0.0	1108	0.0	1207	0.0	1311	0.0	1412	0.0	1508	0.0	1608	0.0
IMPL-A	730	0.2	800	0.2	930	0.2	1000	0.3	1100	0.1	1200	0.0	1300	0.1	1400	0.0	1500	0.0	1600	0.0
IMPL-B	731	0.2	803	0.2	932	0.2	1002	0.3	1102	0.1	1202	0.1	1303	0.1	1403	0.2	1502	0.1	1602	0.0
IMPL-C	732	0.0	804	0.1	933	0.2	1003	0.3	1103	0.1	1203	0.1	1304	0.1	1404	0.2	1503	0.1	1603	0.0
IMPL-D	733	0.0	805	0.0	934	0.0	1004	0.0	1104	0.0	1205	0.1	1304	0.0	1406	0.1	1504	0.1	1604	0.0
IMPL-E	736	0.0	808	0.0	936	0.0	1006	0.0	1106	0.0	1205	0.0	1308	0.0	1410	0.0	1506	0.0	1606	0.0
IMPL-F	738	0.0	810	0.0	937	0.0	1007	0.0	1107	0.0	1206	0.0	1310	0.0	1411	0.0	1507	0.0	1607	0.0
IMPL-G	740	0.0	812	0.0	939	0.0	1009	0.0	1109	0.0	1208	0.0	1312	0.0	1413	0.0	1509	0.0	1609	0.0
IMPL-H	741	0.0	813	0.0	940	0.0	1010	0.0	1110	0.0	1209	0.0	1313	0.0	1414	0.0	1510	0.0	1610	0.0
IMPL-I	742	0.0	814	0.0	941	0.0	1011	0.0	1111	0.0	1210	0.0	1314	0.0	1415	0.0	1511	0.0	1611	0.0
IMPL-J	744	0.0	816	0.0	942	0.0	1012	0.0	1112	0.0	1211	0.0	1316	0.0	1416	0.0	1512	0.0	1612	0.0
IMPL-K	747	0.0	819	0.0	945	0.2	1014	0.0	1114	0.0	1213	0.0	1322	0.0	1419	0.0	1514	0.0	1614	0.0
IMPL-L	748	0.0	820	0.0	946	0.2	1015	0.1	1115	0.0	1214	0.0	1323	0.0	1420	0.0	1515	0.0	1615	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

3/25/2022																				
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	735	0.0	807	0.0	935	0.0	1005	0.0	1105	0.0	1206	0.0	1306	0.0	1408	0.0	NA	NA	NA	NA
SAM-2	732	0.0	802	0.0	931	0.0	1001	0.0	1101	0.0	1201	0.0	1302	0.0	1402	0.0	NA	NA	NA	NA
SAM-3	746	0.0	818	0.0	944	0.0	1013	0.0	1113	0.0	1212	0.0	1320	0.0	1418	0.0	NA	NA	NA	NA
SAM-4	739	0.0	811	0.0	938	0.0	1008	0.0	1108	0.0	1207	0.0	1311	0.0	1412	0.0	NA	NA	NA	NA
IMPL-A	730	0.0	800	0.0	930	0.4	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	NA	NA	NA	NA
IMPL-B	731	0.0	803	0.0	932	0.5 - 7.6	1002	0.2	1102	0.2	1202	0.0	1303	0.1	1403	0.0	NA	NA	NA	NA
IMPL-C	732	0.0	804	0.0	933	0.5 - 7.6	1003	0.2	1103	0.2	1203	0.0	1304	0.2	1404	0.1	NA	NA	NA	NA
IMPL-D	733	0.0	805	0.0	934	0.5 - 7.6	1004	0.2	1104	0.2	1205	0.0	1304	0.2	1406	0.1	NA	NA	NA	NA
IMPL-E	736	0.0	808	0.0	936	0.5 - 7.6	1006	0.2	1106	0.3	1205	0.1	1308	0.0	1410	0.1	NA	NA	NA	NA
IMPL-F	738	0.0	810	0.0	937	0.0	1007	0.0	1107	0.0	1206	0.0	1310	0.0	1411	0.0	NA	NA	NA	NA
IMPL-G	740	0.0	812	0.0	939	0.0	1009	0.0	1109	0.0	1208	0.0	1312	0.0	1413	0.0	NA	NA	NA	NA
IMPL-H	741	0.0	813	0.0	940	0.0	1010	0.0	1110	0.0	1209	0.0	1313	0.0	1414	0.0	NA	NA	NA	NA
IMPL-I	742	0.0	814	0.0	941	0.0	1011	0.0	1111	0.0	1210	0.0	1314	0.0	1415	0.0	NA	NA	NA	NA
IMPL-J	744	0.0	816	0.0	942	0.0	1012	0.0	1112	0.0	1211	0.0	1316	0.0	1416	0.0	NA	NA	NA	NA
IMPL-K	747	0.0	819	0.0	945	0.0	1014	0.0	1114	0.0	1213	0.0	1322	0.0	1419	0.0	NA	NA	NA	NA
IMPL-L	748	0.0	820	0.0	946	0.0	1015	0.0	1115	0.0	1214	0.0	1323	0.0	1420	0.0	NA	NA	NA	NA

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

3/28/2022																				
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	735	0.0	812	0.0	935	0.0	1046	0.0	1137	0.0	1206	0.0	1336	0.0	1408	0.0	1508	0.0	1608	0.0
SAM-2	732	0.0	807	0.0	931	0.0	1042	0.0	1132	0.0	1201	0.0	1332	0.0	1402	0.0	1502	0.0	1602	0.0
SAM-3	746	0.0	823	0.0	944	0.0	1054	0.0	1147	0.0	1212	0.0	1350	0.0	1418	0.0	1518	0.0	1618	0.0
SAM-4	739	0.0	816	0.0	938	0.0	1049	0.0	1141	0.0	1207	0.0	1341	0.0	1412	0.0	1512	0.0	1612	0.0
IMPL-A	730	0.0	805	0.0	930	0.0	1041	0.0	1130	0.0	1200	0.0	1330	0.0	1400	0.0	1500	0.0	1600	0.0
IMPL-B	731	0.0	808	0.0	932	0.0	1043	0.0	1133	0.0	1202	0.0	1333	0.0	1403	0.0	1503	0.0	1603	0.0
IMPL-C	732	0.0	809	0.0	933	0.0	1044	0.0	1134	0.0	1203	0.0	1334	0.0	1404	0.0	1504	0.0	1604	0.0
IMPL-D	733	0.0	810	0.1	934	0.0	1045	0.0	1135	0.0	1205	0.0	1334	0.0	1406	0.0	1506	0.0	1606	0.0
IMPL-E	736	0.0	813	0.1	936	0.0	1047	0.0	1138	0.0	1205	0.0	1338	0.0	1410	0.0	1510	0.0	1610	0.0
IMPL-F	738	0.0	815	0.1	937	0.0	1048	0.0	1139	0.0	1206	0.0	1340	0.0	1411	0.0	1511	0.0	1611	0.0
IMPL-G	740	0.0	817	0.0	939	0.0	1050	0.0	1142	0.0	1208	0.0	1342	0.0	1413	0.0	1513	0.0	1613	0.0
IMPL-H	741	0.0	818	0.0	940	0.0	1051	0.0	1143	0.0	1209	0.0	1343	0.0	1414	0.0	1514	0.0	1614	0.0
IMPL-I	742	0.0	819	0.0	941	0.0	1052	0.0	1144	0.0	1210	0.0	1344	0.0	1415	0.0	1515	0.0	1615	0.0
IMPL-J	744	0.0	821	0.0	942	0.0	1053	0.0	1145	0.0	1211	0.0	1346	0.0	1416	0.0	1516	0.0	1616	0.0
IMPL-K	747	0.0	824	0.0	945	0.0	1055	0.0	1148	0.0	1213	0.0	1352	0.0	1419	0.0	1519	0.0	1619	0.0
IMPL-L	748	0.0	825	0.0	946	0.0	1056	0.0	1149	0.0	1214	0.0	1353	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

3/29/2022																				
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	735	0.0	812	0.0	935	0.0	1046	0.0	1137	0.0	1206	0.0	1336	0.0	1408	0.0	1508	0.0	1608	0.0
SAM-2	732	0.0	807	0.0	931	0.0	1042	0.0	1132	0.0	1201	0.0	1332	0.0	1402	0.0	1502	0.0	1602	0.0
SAM-3	746	0.0	823	0.0	944	0.0	1054	0.2	1147	0.1	1212	0.1	1350	0.1	1418	0.2	1518	0.2	1618	0.0
SAM-4	739	0.0	816	0.0	938	0.0	1049	0.0	1141	0.0	1207	0.0	1341	0.0	1412	0.0	1512	0.0	1612	0.0
IMPL-A	730	0.0	805	0.0	930	0.0	1041	0.0	1130	0.0	1200	0.0	1330	0.0	1400	0.0	1500	0.0	1600	0.0
IMPL-B	731	0.0	808	0.0	932	0.0	1043	0.0	1133	0.0	1202	0.0	1333	0.0	1403	0.0	1503	0.0	1603	0.0
IMPL-C	732	0.0	809	0.0	933	0.0	1044	0.0	1134	0.0	1203	0.0	1334	0.0	1404	0.0	1504	0.0	1604	0.0
IMPL-D	733	0.0	810	0.0	934	0.0	1045	0.0	1135	0.0	1205	0.0	1334	0.0	1406	0.0	1506	0.0	1606	0.0
IMPL-E	736	0.0	813	0.0	936	0.0	1047	0.0	1138	0.0	1205	0.0	1338	0.0	1410	0.0	1510	0.0	1610	0.0
IMPL-F	738	0.0	815	0.0	937	0.0	1048	0.0	1139	0.0	1206	0.0	1340	0.0	1411	0.0	1511	0.0	1611	0.0
IMPL-G	740	0.0	817	0.0	939	0.0	1050	0.0	1142	0.0	1208	0.0	1342	0.0	1413	0.0	1513	0.0	1613	0.0
IMPL-H	741	0.0	818	0.0	940	0.0	1051	0.0	1143	0.0	1209	0.0	1343	0.0	1414	0.1	1514	0.1	1614	0.0
IMPL-I	742	0.0	819	0.0	941	0.0	1052	0.0	1144	0.0	1210	0.0	1344	0.0	1415	0.1	1515	0.1	1615	0.0
IMPL-J	744	0.0	821	0.0	942	0.0	1053	0.0	1145	0.1	1211	0.1	1346	0.1	1416	0.2	1516	0.2	1616	0.0
IMPL-K	747	0.0	824	0.0	945	0.0	1055	0.2	1148	0.1	1213	0.1	1352	0.1	1419	0.2	1519	0.2	1619	0.0
IMPL-L	748	0.0	825	0.0	946	0.0	1056	0.0	1149	0.0	1214	0.1	1353	0.1	1420	0.0	1520	0.1	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 B COMPLETE PRELIMINARY LAB RESULT DATA

Appendix B. Complete Preliminary Lab Result Data

METHOD	Sample		Units	Results	Data Flags	Compound Name
	CLIENTSAMPID	Start Date/Time				
EPA 325	20220223-0309-SE-SAM1	03/09/2022 10:30	UG	0.21		Styrene
EPA 325	20220223-0309-SE-SAM1	03/09/2022 10:30	UG	0.96		Benzene
EPA 325	20220223-0309-SE-SAM1	03/09/2022 10:30	UG	1.2		Toluene
EPA 325	20220223-0309-SE-SAM1	03/09/2022 10:30	UG	0.28	U	Ethyl Benzene
EPA 325	20220223-0309-SE-SAM1	03/09/2022 10:30	UG	0.78		m,p-Xylene
EPA 325	20220223-0309-SE-SAM1	03/09/2022 10:30	UG	0.34	J	o-Xylene
EPA 325	20220223-0309-NE-SAM2	03/09/2022 10:42	UG	0.21	U	Styrene
EPA 325	20220223-0309-NE-SAM2	03/09/2022 10:42	UG	1.0		Benzene
EPA 325	20220223-0309-NE-SAM2	03/09/2022 10:42	UG	1.1		Toluene
EPA 325	20220223-0309-NE-SAM2	03/09/2022 10:42	UG	0.28	U	Ethyl Benzene
EPA 325	20220223-0309-NE-SAM2	03/09/2022 10:42	UG	0.65		m,p-Xylene
EPA 325	20220223-0309-NE-SAM2	03/09/2022 10:42	UG	0.28	J	o-Xylene
EPA 325	20220223-0309-SE-SAM3	03/09/2022 10:20	UG	0.21	U	Styrene
EPA 325	20220223-0309-SE-SAM3	03/09/2022 10:20	UG	0.98		Benzene
EPA 325	20220223-0309-SE-SAM3	03/09/2022 10:20	UG	1.3		Toluene
EPA 325	20220223-0309-SE-SAM3	03/09/2022 10:20	UG	0.28	U	Ethyl Benzene
EPA 325	20220223-0309-SE-SAM3	03/09/2022 10:20	UG	0.79		m,p-Xylene
EPA 325	20220223-0309-SE-SAM3	03/09/2022 10:20	UG	0.34	J	o-Xylene
EPA 325	20220223-0309-NW-SAM4	03/09/2022 10:37	UG	0.21	U	Styrene
EPA 325	20220223-0309-NW-SAM4	03/09/2022 10:37	UG	0.87		Benzene
EPA 325	20220223-0309-NW-SAM4	03/09/2022 10:37	UG	1.0		Toluene
EPA 325	20220223-0309-NW-SAM4	03/09/2022 10:37	UG	0.28	U	Ethyl Benzene
EPA 325	20220223-0309-NW-SAM4	03/09/2022 10:37	UG	0.67		m,p-Xylene
EPA 325	20220223-0309-NW-SAM4	03/09/2022 10:37	UG	0.28	U	o-Xylene
EPA 325	20220223-0309-SW-SAM5	03/09/2022 10:31	UG	0.21	U	Styrene
EPA 325	20220223-0309-SW-SAM5	03/09/2022 10:31	UG	0.83		Benzene
EPA 325	20220223-0309-SW-SAM5	03/09/2022 10:31	UG	0.97		Toluene
EPA 325	20220223-0309-SW-SAM5	03/09/2022 10:31	UG	0.28	U	Ethyl Benzene
EPA 325	20220223-0309-SW-SAM5	03/09/2022 10:31	UG	0.51	J	m,p-Xylene
EPA 325	20220223-0309-SW-SAM5	03/09/2022 10:31	UG	0.28	U	o-Xylene
EPA 325	20220223-0309-SAM6	03/09/2022 10:10	UG	0.21	U	Styrene
EPA 325	20220223-0309-SAM6	03/09/2022 10:10	UG	0.19	U	Benzene
EPA 325	20220223-0309-SAM6	03/09/2022 10:10	UG	0.25	U	Toluene
EPA 325	20220223-0309-SAM6	03/09/2022 10:10	UG	0.28	U	Ethyl Benzene
EPA 325	20220223-0309-SAM6	03/09/2022 10:10	UG	0.28	U	m,p-Xylene
EPA 325	20220223-0309-SAM6	03/09/2022 10:10	UG	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

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/Time	End Date/Time				
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg	2.5		Naphthalene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	2-Methylnaphthalene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	2-Chloronaphthalene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Acenaphthylene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Acenaphthene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Fluorene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Phenanthrene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Anthracene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Fluoranthene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Pyrene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Chrysene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Benzo(a)anthracene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Benzo(b)fluoranthene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Benzo(k)fluoranthene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Benzo(a)pyrene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	%R	76		Fluorene-d10
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	%R	104		Pyrene-d10
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	%R	86		Benzo(a)pyrene-d12
TO-13A	20220314-16-SE-SAM1	03/14/2022 10:45	03/16/2022 10:15	%R	61		Fluoranthene-d10
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg	4.4		Naphthalene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg	1.3		2-Methylnaphthalene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	2-Chloronaphthalene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Acenaphthylene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Acenaphthene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Fluorene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Phenanthrene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Anthracene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Fluoranthene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Pyrene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Chrysene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Benzo(a)anthracene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Benzo(b)fluoranthene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Benzo(k)fluoranthene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Benzo(a)pyrene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	%R	63		Fluorene-d10
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	%R	105		Pyrene-d10
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	%R	86		Benzo(a)pyrene-d12
TO-13A	20220314-16-NE-SAM2	03/14/2022 11:18	03/16/2022 10:33	%R	72		Fluoranthene-d10
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg	2.1		Naphthalene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	2-Methylnaphthalene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	2-Chloronaphthalene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Acenaphthylene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Acenaphthene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Fluorene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Phenanthrene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Anthracene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Fluoranthene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Pyrene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Chrysene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Benzo(a)anthracene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	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	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Benzo(k)fluoranthene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Benzo(a)pyrene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	%R	91		Fluorene-d10
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	%R	109		Pyrene-d10
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	%R	93		Benzo(a)pyrene-d12
TO-13A	20220314-16-SE-SAM3	03/14/2022 10:39	03/16/2022 10:06	%R	68		Fluoranthene-d10
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg	6.3		Naphthalene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg	1.2		2-Methylnaphthalene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	2-Chloronaphthalene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Acenaphthylene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Acenaphthene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Fluorene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Phenanthrene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Anthracene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Fluoranthene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Pyrene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Chrysene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Benzo(a)anthracene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Benzo(b)fluoranthene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Benzo(k)fluoranthene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Benzo(a)pyrene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	%R	75		Fluorene-d10
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	%R	102		Pyrene-d10
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	%R	84		Benzo(a)pyrene-d12
TO-13A	20220314-16-NW-SAM4	03/14/2022 11:06	03/16/2022 11:00	%R	72		Fluoranthene-d10
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg	2.3		Naphthalene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	2-Methylnaphthalene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	2-Chloronaphthalene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Acenaphthylene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Acenaphthene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Fluorene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Phenanthrene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Anthracene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Fluoranthene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Pyrene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Chrysene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Benzo(a)anthracene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Benzo(b)fluoranthene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Benzo(k)fluoranthene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Benzo(a)pyrene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	%R	85		Fluorene-d10
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	%R	119		Pyrene-d10
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	%R	95		Benzo(a)pyrene-d12
TO-13A	20220314-16-SW-SAM5	03/14/2022 10:56	03/16/2022 10:49	%R	89		Fluoranthene-d10
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Naphthalene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	2-Methylnaphthalene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	2-Chloronaphthalene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	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	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Acenaphthene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Fluorene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Phenanthrene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Anthracene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Fluoranthene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Pyrene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Chrysene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Benzo(a)anthracene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Benzo(b)fluoranthene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Benzo(k)fluoranthene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Benzo(a)pyrene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	%R	80		Fluorene-d10
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	%R	106		Pyrene-d10
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	%R	95		Benzo(a)pyrene-d12
TO-13A	20220314-16-SAM6	03/14/2022 11:25	03/16/2022 11:05	%R	72		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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