

Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

11 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 30, 2022 through April 5, 2022. The laboratory results that are presented were from two periods: Method-325 data were collected between March 9 and March 23, 2022, and Method 13a data were collected between March 16 and March 25, 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 April 1, 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 and Table 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, $\mu\text{g}/\text{m}^3$)	3/30/2022 – 4/05/2022	0	60	360
VOC (1-minute average, PPM)	3/30/2022 – 4/05/2022	1	0.6	0.5
Benzene, Real-time GC (1-minute average $\mu\text{g}/\text{m}^3$)	3/30/2022 – 4/05/2022	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)

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

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 (12-day average $\mu\text{g}/\text{m}^3$)	3/9/2022 – 3/23/2022	0	NM	156.7
Styrene, Method 325B (14-day sample period, $\mu\text{g}/\text{m}^3$)	3/9/2022 – 3/23/2022	0	0.2	205,000
Benzene, Method 325B (14-day sample period, $\mu\text{g}/\text{m}^3$)	3/9/2022 – 3/23/2022	0	0.70	16.5
Toluene, Method 325B (14-day sample period, $\mu\text{g}/\text{m}^3$)	3/9/2022 – 3/23/2022	0	1.1	23,400
Xylenes (total), Method 325B (14-day sample period, $\mu\text{g}/\text{m}^3$)	3/9/2022 – 3/23/2022	0	0.4	41,000
Ethylbenzene, Method 325B (14-day sample period, $\mu\text{g}/\text{m}^3$)	3/9/2022 – 3/23/2022	0	0.28	59,400
2-methylnaphthalene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/16/2022 – 3/25/2022	0	ND	820
Acenaphthene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/16/2022 – 3/25/2022	0	ND	12,300
Acenaphthylene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/16/2022 – 3/25/2022	0	ND	615
Anthracene, Method TO-13A (3-day sample period, $\mu\text{g}/\text{m}^3$)	3/16/2022 – 3/25/2022	0	ND	615

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(a)anthracene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	1.54
Benzo(a)pyrene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	0.154
Benzo(k)fluoranthene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	15.4
Benzo(b)fluoranthene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	15.4
Chrysene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	154
Dibenzo(a,h)anthracene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	0.154
Fluoranthene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	8,200
Fluorene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	8,200
Indeno(1,2,3-cd)pyrene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	1.54
Napthalene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	176
Phenanthrene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	6,150
Pyrene, Method TO-13A (3-day sample period, µg/m ³)	3/16/2022 – 3/25/2022	0	ND	6,150

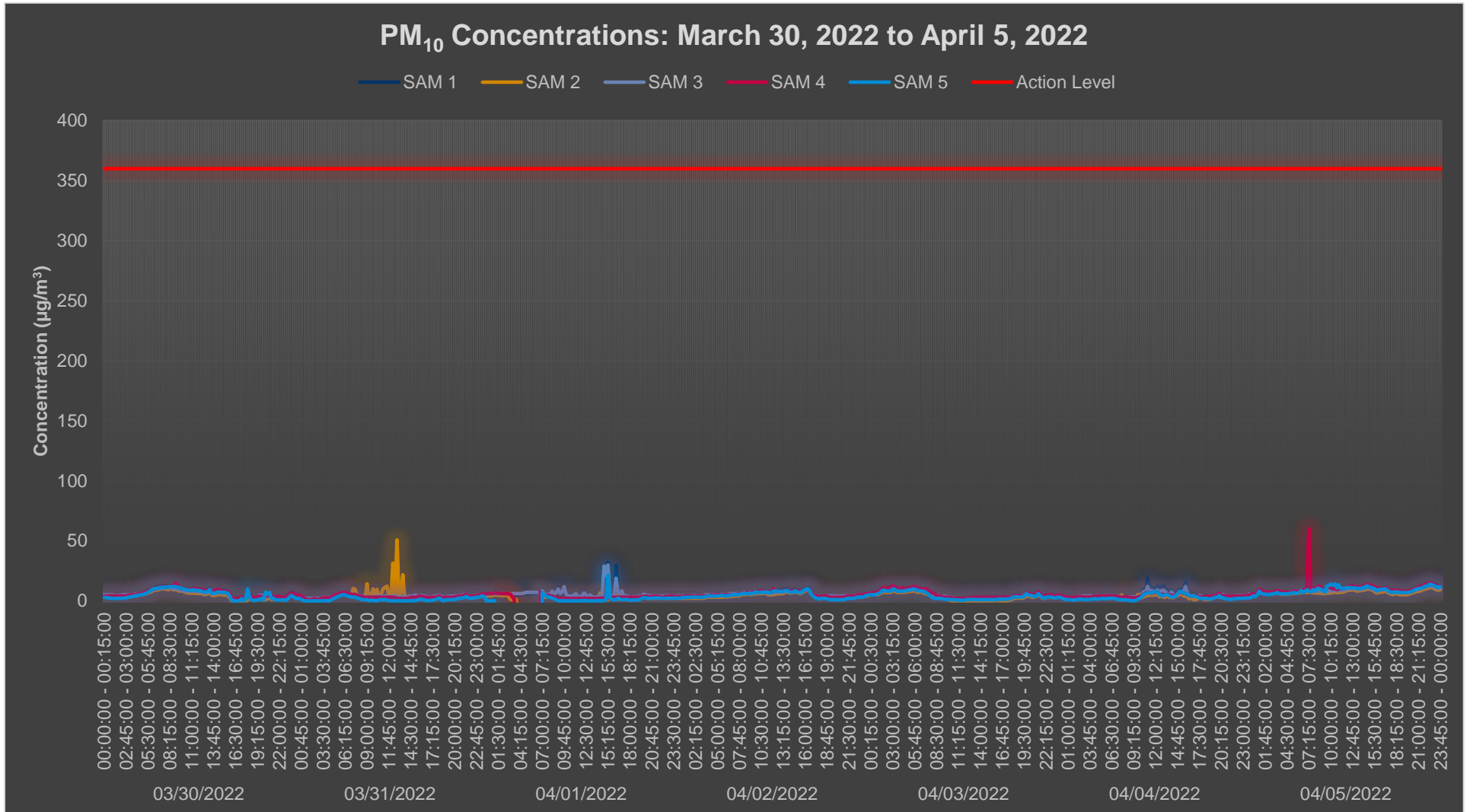
Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

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. 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. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]
03/30/2022	00:00:00 - 00:15:00	4	3	5	4	3	5.5	127	5.4	58	981.0
03/30/2022	00:15:00 - 00:30:00	4	3	5	4	3	7.2	127	5.5	58	980.7
03/30/2022	00:30:00 - 00:45:00	4	3	5	4	2	6.1	123	5.7	59	980.4
03/30/2022	00:45:00 - 01:00:00	4	3	5	4	2	6.4	123	6.0	59	980.3
03/30/2022	01:00:00 - 01:15:00	4	3	5	4	2	6.5	123	6.2	59	980.2
03/30/2022	01:15:00 - 01:30:00	4	3	4	4	2	5.3	125	6.4	59	980.2
03/30/2022	01:30:00 - 01:45:00	3	3	4	4	2	5.3	139	6.7	59	980.2
03/30/2022	01:45:00 - 02:00:00	3	3	4	4	2	5.0	130	6.9	59	980.0
03/30/2022	02:00:00 - 02:15:00	3	3	4	4	2	5.2	131	7.0	60	979.7
03/30/2022	02:15:00 - 02:30:00	4	3	5	4	2	5.6	128	7.2	61	979.3
03/30/2022	02:30:00 - 02:45:00	4	3	5	4	2	5.8	131	7.3	61	979.0
03/30/2022	02:45:00 - 03:00:00	4	3	5	4	2	5.3	129	7.4	62	978.6
03/30/2022	03:00:00 - 03:15:00	4	3	5	5	3	5.3	132	7.6	63	978.3
03/30/2022	03:15:00 - 03:30:00	5	4	5	5	3	5.1	131	7.7	64	977.8
03/30/2022	03:30:00 - 03:45:00	5	4	5	5	3	5.8	137	7.8	66	977.5
03/30/2022	03:45:00 - 04:00:00	5	4	5	5	4	6.6	127	8.0	66	977.2
03/30/2022	04:00:00 - 04:15:00	5	4	6	6	4	7.1	130	8.0	68	977.0
03/30/2022	04:15:00 - 04:30:00	6	5	6	6	5	6.6	132	8.3	70	976.7
03/30/2022	04:30:00 - 04:45:00	6	5	6	6	5	6.2	130	8.6	71	976.4
03/30/2022	04:45:00 - 05:00:00	6	5	6	6	5	6.1	127	8.9	72	976.2
03/30/2022	05:00:00 - 05:15:00	7	6	7	7	6	5.7	128	9.2	74	976.0
03/30/2022	05:15:00 - 05:30:00	8	6	7	7	6	4.8	134	9.6	76	975.8
03/30/2022	05:30:00 - 05:45:00	8	6	8	8	7	5.6	133	9.9	77	975.5
03/30/2022	05:45:00 - 06:00:00	9	7	8	9	8	3.4	141	10.3	78	975.6
03/30/2022	06:00:00 - 06:15:00	10	8	9	10	9	3.7	139	10.3	83	975.7
03/30/2022	06:15:00 - 06:30:00	11	9	9	10	10	3.3	139	10.8	85	975.3
03/30/2022	06:30:00 - 06:45:00	11	9	10	10	10	2.0	148	11.3	85	975.4
03/30/2022	06:45:00 - 07:00:00	12	9	10	11	11	2.2	199	11.6	85	975.8
03/30/2022	07:00:00 - 07:15:00	12	10	10	12	11	1.2	257	11.5	87	976.0
03/30/2022	07:15:00 - 07:30:00	12	11	10	12	11	0.9	228	11.1	89	975.5
03/30/2022	07:30:00 - 07:45:00	13	10	11	12	11	0.2	241	10.7	90	975.1
03/30/2022	07:45:00 - 08:00:00	13	10	11	12	11	1.5	184	10.9	90	975.2
03/30/2022	08:00:00 - 08:15:00	12	9	11	12	12	1.6	185	11.3	89	975.0
03/30/2022	08:15:00 - 08:30:00	12	10	11	12	12	1.7	183	11.7	88	974.8
03/30/2022	08:30:00 - 08:45:00	12	10	10	12	12	1.2	174	12.0	88	974.4
03/30/2022	08:45:00 - 09:00:00	12	9	10	12	12	1.8	149	12.6	87	974.0
03/30/2022	09:00:00 - 09:15:00	12	10	10	15	12	1.8	180	13.3	88	974.0
03/30/2022	09:15:00 - 09:30:00	12	9	10	13	11	2.1	180	14.1	88	973.7
03/30/2022	09:30:00 - 09:45:00	11	8	9	11	11	1.9	175	15.0	87	973.5
03/30/2022	09:45:00 - 10:00:00	10	8	9	10	10	2.2	164	15.4	87	973.3
03/30/2022	10:00:00 - 10:15:00	10	8	8	10	10	2.6	172	15.4	88	973.2
03/30/2022	10:15:00 - 10:30:00	10	7	8	10	9	2.6	182	15.1	91	973.3
03/30/2022	10:30:00 - 10:45:00	10	7	8	10	9	2.3	182	15.3	91	973.0
03/30/2022	10:45:00 - 11:00:00	9	6	8	9	9	3.1	185	15.3	92	972.9
03/30/2022	11:00:00 - 11:15:00	10	7	8	9	9	2.8	193	15.0	95	972.6
03/30/2022	11:15:00 - 11:30:00	10	6	8	9	9	2.6	187	15.1	94	972.3
03/30/2022	11:30:00 - 11:45:00	10	6	8	11	9	1.4	162	15.2	95	971.8
03/30/2022	11:45:00 - 12:00:00	9	6	8	10	9	2.5	146	15.6	94	971.4
03/30/2022	12:00:00 - 12:15:00	10	6	8	10	9	2.6	173	16.0	92	971.1
03/30/2022	12:15:00 - 12:30:00	9	6	7	10	8	1.9	173	16.3	92	970.8
03/30/2022	12:30:00 - 12:45:00	8	5	7	9	7	2.9	185	16.7	90	970.5
03/30/2022	12:45:00 - 13:00:00	8	5	7	8	7	2.9	188	17.2	89	970.0
03/30/2022	13:00:00 - 13:15:00	9	6	7	8	8	4.3	203	18.0	85	969.7
03/30/2022	13:15:00 - 13:30:00	11	7	8	10	9	4.5	198	18.1	84	969.6
03/30/2022	13:30:00 - 13:45:00	8	5	6	8	6	5.1	203	17.1	89	969.6
03/30/2022	13:45:00 - 14:00:00	8	4	6	8	6	5.6	205	17.2	89	969.8
03/30/2022	14:00:00 - 14:15:00	8	5	6	9	6	4.3	209	16.8	91	969.5
03/30/2022	14:15:00 - 14:30:00	9	5	7	10	7	3.8	209	16.8	93	969.2
03/30/2022	14:30:00 - 14:45:00	9	5	7	9	7	4.4	211	16.7	95	969.2
03/30/2022	14:45:00 - 15:00:00	9	5	7	8	7	3.9	201	16.5	95	968.7
03/30/2022	15:00:00 - 15:15:00	9	5	7	8	7	4.0	208	16.3	96	968.2
03/30/2022	15:15:00 - 15:30:00	9	5	6	8	7	2.3	209	16.2	97	967.6

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. [° Celcius]	Relative Humidity [%]	Barometric Pressure [mb]
03/30/2022	15:30:00 - 15:45:00	8	5	6	8	6	2.6	212	16.0	97	967.5
03/30/2022	15:45:00 - 16:00:00	6	3	5	6	4	2.8	247	15.4	98	967.2
03/30/2022	16:00:00 - 16:15:00	3	0	2	3	1	3.1	240	14.7	99	966.7
03/30/2022	16:15:00 - 16:30:00	2	0	2	2	0	3.9	233	14.4	99	966.7
03/30/2022	16:30:00 - 16:45:00	2	0	2	2	0	3.3	242	14.3	100	967.0
03/30/2022	16:45:00 - 17:00:00	2	0	2	2	0	4.1	219	14.1	100	967.0
03/30/2022	17:00:00 - 17:15:00	2	0	2	3	0	3.0	209	14.1	100	967.1
03/30/2022	17:15:00 - 17:30:00	2	0	2	3	2	1.7	192	14.0	100	967.2
03/30/2022	17:30:00 - 17:45:00	3	0	2	3	0	1.4	167	13.9	100	966.9
03/30/2022	17:45:00 - 18:00:00	3	0	2	3	1	0.9	105	13.8	100	966.3
03/30/2022	18:00:00 - 18:15:00	3	0	3	3	10	0.5	26	13.7	100	965.8
03/30/2022	18:15:00 - 18:30:00	6	2	5	5	3	2.2	253	13.7	100	965.8
03/30/2022	18:30:00 - 18:45:00	4	1	3	3	1	2.4	264	13.6	100	966.1
03/30/2022	18:45:00 - 19:00:00	3	0	3	3	0	4.2	295	13.5	100	966.0
03/30/2022	19:00:00 - 19:15:00	4	1	3	3	0	2.9	293	13.4	100	966.0
03/30/2022	19:15:00 - 19:30:00	4	1	3	4	1	1.9	272	13.4	100	966.2
03/30/2022	19:30:00 - 19:45:00	6	2	5	4	1	1.4	264	13.3	100	966.0
03/30/2022	19:45:00 - 20:00:00	6	1	5	3	2	1.0	240	13.3	100	965.7
03/30/2022	20:00:00 - 20:15:00	4	1	3	3	1	0.2	134	13.2	100	965.3
03/30/2022	20:15:00 - 20:30:00	3	1	3	5	7	1.7	280	13.2	100	965.4
03/30/2022	20:30:00 - 20:45:00	3	2	3	4	5	2.1	262	13.3	100	965.6
03/30/2022	20:45:00 - 21:00:00	4	2	4	5	7	1.5	165	13.2	100	965.4
03/30/2022	21:00:00 - 21:15:00	4	1	3	4	2	2.2	152	13.1	100	965.1
03/30/2022	21:15:00 - 21:30:00	4	1	3	4	2	2.6	157	13.0	100	964.7
03/30/2022	21:30:00 - 21:45:00	3	1	3	3	1	3.8	129	13.0	100	962.8
03/30/2022	21:45:00 - 22:00:00	4	1	3	4	1	3.7	139	13.0	100	962.9
03/30/2022	22:00:00 - 22:15:00	3	1	3	4	1	3.7	134	12.9	100	962.7
03/30/2022	22:15:00 - 22:30:00	3	1	3	3	1	2.7	144	12.8	100	962.9
03/30/2022	22:30:00 - 22:45:00	3	1	3	3	1	2.3	235	12.8	100	963.3
03/30/2022	22:45:00 - 23:00:00	3	1	3	3	0	2.6	226	12.7	100	964.0
03/30/2022	23:00:00 - 23:15:00	4	2	3	4	1	4.7	287	10.7	100	964.1
03/30/2022	23:15:00 - 23:30:00	6	3	5	5	3	3.0	294	8.9	100	964.2
03/30/2022	23:30:00 - 23:45:00	8	5	6	7	4	2.6	303	8.2	100	964.2
03/30/2022	23:45:00 - 00:00:00	7	4	5	6	3	5.5	290	7.5	100	964.0
03/31/2022	00:00:00 - 00:15:00	5	4	5	5	2	4.0	290	7.1	100	963.9
03/31/2022	00:15:00 - 00:30:00	5	3	4	5	2	4.9	285	6.6	100	964.0
03/31/2022	00:30:00 - 00:45:00	5	3	5	5	2	4.9	280	6.2	100	964.5
03/31/2022	00:45:00 - 01:00:00	4	3	4	4	1	5.5	298	5.5	100	964.6
03/31/2022	01:00:00 - 01:15:00	3	2	3	3	0	5.3	284	5.2	100	964.7
03/31/2022	01:15:00 - 01:30:00	1	0	2	1	0	5.2	280	4.9	100	964.7
03/31/2022	01:30:00 - 01:45:00	1	0	2	1	0	4.5	272	4.5	100	965.1
03/31/2022	01:45:00 - 02:00:00	0	0	2	1	0	3.4	289	4.2	100	964.6
03/31/2022	02:00:00 - 02:15:00	1	0	2	1	0	1.8	254	4.2	100	965.2
03/31/2022	02:15:00 - 02:30:00	1	0	2	2	0	2.4	260	4.1	100	965.5
03/31/2022	02:30:00 - 02:45:00	1	0	2	2	0	2.9	235	4.0	100	965.9
03/31/2022	02:45:00 - 03:00:00	0	0	2	1	0	3.2	269	3.8	99	966.4
03/31/2022	03:00:00 - 03:15:00	1	0	2	1	0	2.8	258	3.8	98	966.6
03/31/2022	03:15:00 - 03:30:00	1	0	2	2	0	2.4	242	3.7	98	966.8
03/31/2022	03:30:00 - 03:45:00	2	1	3	3	0	3.9	247	3.6	96	967.2
03/31/2022	03:45:00 - 04:00:00	2	2	3	3	0	3.7	256	3.5	95	967
03/31/2022	04:00:00 - 04:15:00	2	1	3	3	0	2.9	249	3.1	95	968
03/31/2022	04:15:00 - 04:30:00	2	1	3	2	0	2.4	253	2.3	96	968
03/31/2022	04:30:00 - 04:45:00	2	2	3	3	1	1.1	237	2.2	97	968
03/31/2022	04:45:00 - 05:00:00	3	3	4	4	2	2.5	253	2.4	97	969
03/31/2022	05:00:00 - 05:15:00	4	3	5	5	2	2.3	229	2.5	96	969
03/31/2022	05:15:00 - 05:30:00	5	4	5	6	3	2.2	256	2.6	95	969
03/31/2022	05:30:00 - 05:45:00	5	4	6	6	4	2.8	229	2.6	95	969
03/31/2022	05:45:00 - 06:00:00	6	5	6	7	5	2.2	224	2.6	94	969
03/31/2022	06:00:00 - 06:15:00	6	5	6	7	5	2.9	258	2.6	94	970
03/31/2022	06:15:00 - 06:30:00	6	5	6	7	5	3.3	250	2.7	93	970
03/31/2022	06:30:00 - 06:45:00	6	4	6	6	4	2.3	244	2.7	93	970
03/31/2022	06:45:00 - 07:00:00	5	4	6	6	4	2.6	258	2.8	92	970

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. [µg/m ³]	Average Conc. [µg/m ³]	Average Conc. [µg/m ³]	Average Conc. [µg/m ³]	Average Conc. [µg/m ³]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [° Celcius]	Relative Humidity [%]	Barometric Pressure [mb]
03/31/2022	07:00:00 - 07:15:00	4	3	5	5	3	3.7	264	2.8	91	971
03/31/2022	07:15:00 - 07:30:00	4	10	5	5	3	2.8	242	2.8	91	971
03/31/2022	07:30:00 - 07:45:00	4	10	5	5	3	2.1	272	2.9	91	971
03/31/2022	07:45:00 - 08:00:00	4	5	5	5	2	2.4	270	2.9	90	972
03/31/2022	08:00:00 - 08:15:00	4	3	4	4	2	3.1	258	3.0	90	972
03/31/2022	08:15:00 - 08:30:00	3	3	4	4	1	2.4	256	3.0	90	972
03/31/2022	08:30:00 - 08:45:00	3	3	4	3	1	3.3	270	3.0	90	972
03/31/2022	08:45:00 - 09:00:00	2	2	3	3	1	3.8	265	2.9	90	972
03/31/2022	09:00:00 - 09:15:00	2	14	3	3	1	2.2	272	2.8	92	972.8
03/31/2022	09:15:00 - 09:30:00	2	1	3	3	0	2.2	262	2.6	93	973.0
03/31/2022	09:30:00 - 09:45:00	2	4	3	3	1	2.5	276	2.8	92	973.3
03/31/2022	09:45:00 - 10:00:00	2	10	3	3	0	3.3	252	2.9	90	973.6
03/31/2022	10:00:00 - 10:15:00	3	2	4	3	0	3.2	255	3.0	89	973.8
03/31/2022	10:15:00 - 10:30:00	2	10	4	3	0	2.2	247	3.2	88	973.9
03/31/2022	10:30:00 - 10:45:00	2	2	4	3	1	3.3	269	3.1	87	974.1
03/31/2022	10:45:00 - 11:00:00	3	5	4	3	1	1.6	270	3.1	88	974.3
03/31/2022	11:00:00 - 11:15:00	3	10	4	3	1	2.9	282	3.0	88	974.4
03/31/2022	11:15:00 - 11:30:00	3	11	4	3	1	1.6	275	3.1	88	974.4
03/31/2022	11:30:00 - 11:45:00	2	12	4	3	0	2.7	275	3.3	87	974.6
03/31/2022	11:45:00 - 12:00:00	2	2	3	3	0	3.3	280	3.4	86	974.8
03/31/2022	12:00:00 - 12:15:00	3	2	4	3	0	3.5	282	3.5	86	974.8
03/31/2022	12:15:00 - 12:30:00	3	31	4	3	0	4.2	284	3.5	85	974.9
03/31/2022	12:30:00 - 12:45:00	3	2	4	3	0	4.7	282	3.4	86	975.0
03/31/2022	12:45:00 - 13:00:00	2	51	3	2	0	3.3	271	3.6	85	975.0
03/31/2022	13:00:00 - 13:15:00	2	2	3	2	0	3.3	277	3.7	84	975.1
03/31/2022	13:15:00 - 13:30:00	1	7	3	2	0	3.6	268	3.5	86	975.2
03/31/2022	13:30:00 - 13:45:00	1	22	3	2	0	3.7	269	3.5	85	975.2
03/31/2022	13:45:00 - 14:00:00	1	1	3	2	0	3.1	285	3.6	84	975.4
03/31/2022	14:00:00 - 14:15:00	1	3	3	2	0	3.3	277	3.6	86	975.5
03/31/2022	14:15:00 - 14:30:00	2	4	3	2	0	3.6	287	3.8	86	975.5
03/31/2022	14:30:00 - 14:45:00	3	2	4	3	0	5.4	296	3.3	87	975.7
03/31/2022	14:45:00 - 15:00:00	2	2	3	3	0	3.1	300	3.0	88	975.9
03/31/2022	15:00:00 - 15:15:00	4	2	5	3	0	3.9	302	3.4	86	976.0
03/31/2022	15:15:00 - 15:30:00	3	4	4	3	0	3.2	309	3.3	87	976.1
03/31/2022	15:30:00 - 15:45:00	3	3	4	4	1	4.2	297	3.0	88	976.3
03/31/2022	15:45:00 - 16:00:00	4	2	5	4	1	3.6	299	3.0	89	976.4
03/31/2022	16:00:00 - 16:15:00	3	2	4	3	1	2.9	300	3.2	88	976.6
03/31/2022	16:15:00 - 16:30:00	2	2	4	3	1	2.8	296	3.0	90	976.8
03/31/2022	16:30:00 - 16:45:00	2	3	3	3	0	2.7	295	3.1	89	977.0
03/31/2022	16:45:00 - 17:00:00	2	2	3	3	0	2.7	299	2.8	90	977.2
03/31/2022	17:00:00 - 17:15:00	2	2	3	3	0	1.5	281	3.0	90	977.5
03/31/2022	17:15:00 - 17:30:00	2	2	4	3	0	3.3	291	2.5	91	977.9
03/31/2022	17:30:00 - 17:45:00	2	2	4	3	1	2.6	305	1.9	94	978.1
03/31/2022	17:45:00 - 18:00:00	3	2	4	3	1	0.4	298	2.0	96	978.2
03/31/2022	18:00:00 - 18:15:00	3	3	4	4	2	1.3	308	2.2	96	978.4
03/31/2022	18:15:00 - 18:30:00	3	2	4	3	2	1.2	310	2.3	95	978.7
03/31/2022	18:30:00 - 18:45:00	2	1	3	2	0	3.4	298	1.8	96	979.0
03/31/2022	18:45:00 - 19:00:00	2	1	3	3	0	2.7	286	1.8	96	979.1
03/31/2022	19:00:00 - 19:15:00	2	1	4	3	1	2.5	288	2.0	96	979.4
03/31/2022	19:15:00 - 19:30:00	2	2	4	3	1	2.4	283	1.7	97	979.6
03/31/2022	19:30:00 - 19:45:00	2	2	4	3	1	1.6	276	1.8	97	979.8
03/31/2022	19:45:00 - 20:00:00	2	2	4	3	1	2.0	288	2.0	96	980.0
03/31/2022	20:00:00 - 20:15:00	2	2	4	3	1	2.5	296	2.0	96	980.3
03/31/2022	20:15:00 - 20:30:00	3	2	4	4	2	1.7	260	2.0	96	980.5
03/31/2022	20:30:00 - 20:45:00	3	3	4	4	2	2.2	275	1.6	96	980.9
03/31/2022	20:45:00 - 21:00:00	3	2	4	4	2	1.9	276	1.5	97	981.1
03/31/2022	21:00:00 - 21:15:00	3	3	5	4	2	1.7	261	1.6	97	981.3
03/31/2022	21:15:00 - 21:30:00	4	3	5	5	3	1.9	260	1.7	97	981.5
03/31/2022	21:30:00 - 21:45:00	4	4	5	5	4	1.6	285	1.8	96	981.5
03/31/2022	21:45:00 - 22:00:00	2	2	4	4	2	3.5	289	0.8	97	981.8
03/31/2022	22:00:00 - 22:15:00	3	2	4	4	2	3.2	283	0.5	99	981.8
03/31/2022	22:15:00 - 22:30:00	3	2	4	4	2	2.7	278	0.6	98	982.0

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. [° Celcius]	Relative Humidity [%]	Barometric Pressure [mb]
03/31/2022	22:30:00 - 22:45:00	3	2	4	4	2	3.5	281	0.8	98	982.1
03/31/2022	22:45:00 - 23:00:00	3	3	4	4	3	2.5	284	0.8	98	982.2
03/31/2022	23:00:00 - 23:15:00	3	3	5	5	3	2.6	301	1.0	96	982.4
03/31/2022	23:15:00 - 23:30:00	4	3	5	5	4	2.5	300	1.1	96	982.5
03/31/2022	23:30:00 - 23:45:00	4	4	5	6	4	2.6	303	1.2	95	982.6
03/31/2022	23:45:00 - 00:00:00	4	4	5	6	3	2.8	302	1.2	95	982.7
04/01/2022	00:00:00 - 00:15:00	5	4	5	6	0	2.7	305	1.2	94	982.8
04/01/2022	00:15:00 - 00:30:00	5	4	6	6	0	3.0	309	1.3	94	982.9
04/01/2022	00:30:00 - 00:45:00	5	4	6	6	0	2.9	312	1.3	93	983.0
04/01/2022	00:45:00 - 01:00:00	5	4	6	6	0	3.1	311	1.2	92	983.2
04/01/2022	01:00:00 - 01:15:00	6	5	6	7	0	3.1	306	1.2	91	983.4
04/01/2022	01:15:00 - 01:30:00	6	5	6	6	NA	3.5	305	1.1	89	983.5
04/01/2022	01:30:00 - 01:45:00	5	4	6	6	NA	4.6	299	1.1	88	983.7
04/01/2022	01:45:00 - 02:00:00	5	4	6	6	NA	4.0	301	1.0	88	983.9
04/01/2022	02:00:00 - 02:15:00	5	4	6	6	NA	2.8	290	0.9	88	984.0
04/01/2022	02:15:00 - 02:30:00	5	4	6	6	NA	2.9	289	0.9	86	984.1
04/01/2022	02:30:00 - 02:45:00	5	6	6	6	NA	4.0	303	0.8	86	984.2
04/01/2022	02:45:00 - 03:00:00	5	3	6	6	NA	4.1	299	0.9	86	984.3
04/01/2022	03:00:00 - 03:15:00	5	1	6	5	NA	3.9	290	0.8	86	984.5
04/01/2022	03:15:00 - 03:30:00	5	1	6	3	NA	3.1	285	0.8	87	984.7
04/01/2022	03:30:00 - 03:45:00	5	1	6	1	NA	3.0	291	0.8	88	984.7
04/01/2022	03:45:00 - 04:00:00	5	1	6	NA	NA	3.4	296	0.8	88	984.9
04/01/2022	04:00:00 - 04:15:00	5	NA	6	NA	NA	4.0	298	0.7	88	985.1
04/01/2022	04:15:00 - 04:30:00	5	NA	6	NA	NA	4.6	299	0.7	88	985.3
04/01/2022	04:30:00 - 04:45:00	5	NA	6	NA	NA	4.1	303	0.5	88	985.6
04/01/2022	04:45:00 - 05:00:00	6	NA	7	NA	NA	4.1	302	0.4	88	985.8
04/01/2022	05:00:00 - 05:15:00	6	NA	7	NA	NA	4.0	301	0.4	89	986.0
04/01/2022	05:15:00 - 05:30:00	6	NA	7	NA	NA	3.8	300	0.5	89	986.3
04/01/2022	05:30:00 - 05:45:00	6	NA	7	NA	NA	3.1	295	0.5	90	986.6
04/01/2022	05:45:00 - 06:00:00	6	NA	7	NA	NA	3.6	300	0.5	90	986.9
04/01/2022	06:00:00 - 06:15:00	6	NA	7	NA	NA	3.1	302	0.5	90	987.1
04/01/2022	06:15:00 - 06:30:00	6	NA	7	NA	NA	3.5	307	0.5	90	987.4
04/01/2022	06:30:00 - 06:45:00	6	NA	7	NA	NA	4.3	311	0.5	88	987.6
04/01/2022	06:45:00 - 07:00:00	5	6	6	7	NA	4.1	305	0.5	86	988.0
04/01/2022	07:00:00 - 07:15:00	7	4	8	6	7	4.3	317	0.5	84	988.3
04/01/2022	07:15:00 - 07:30:00	4	3	6	5	5	3.7	318	0.6	83	988.7
04/01/2022	07:30:00 - 07:45:00	3	3	5	4	4	4.0	315	0.6	83	989.0
04/01/2022	07:45:00 - 08:00:00	4	4	5	5	3	4.1	314	0.6	83	989.4
04/01/2022	08:00:00 - 08:15:00	4	3	6	4	3	3.9	320	0.9	83	989.6
04/01/2022	08:15:00 - 08:30:00	8	3	8	4	2	3.1	314	1.1	82	989.8
04/01/2022	08:30:00 - 08:45:00	4	3	5	3	2	4.0	329	1.3	81	990.1
04/01/2022	08:45:00 - 09:00:00	6	2	7	3	1	4.6	333	2.1	77	990.2
04/01/2022	09:00:00 - 09:15:00	11	1	10	2	0	3.6	343	2.3	74	990.6
04/01/2022	09:15:00 - 09:30:00	5	2	6	2	0	3.5	311	2.3	73	990.9
04/01/2022	09:30:00 - 09:45:00	7	2	8	2	0	2.2	313	2.5	72	991.3
04/01/2022	09:45:00 - 10:00:00	11	1	12	2	0	4.0	299	2.4	68	991.7
04/01/2022	10:00:00 - 10:15:00	4	1	5	2	0	3.2	306	3.0	69	992.0
04/01/2022	10:15:00 - 10:30:00	3	1	4	2	0	3.8	291	2.5	67	992.3
04/01/2022	10:30:00 - 10:45:00	2	1	4	2	0	3.8	329	3.3	68	992.4
04/01/2022	10:45:00 - 11:00:00	4	1	4	2	0	4.4	314	3.4	65	992.6
04/01/2022	11:00:00 - 11:15:00	4	1	5	2	0	5.0	290	3.2	66	992.6
04/01/2022	11:15:00 - 11:30:00	5	1	6	2	0	3.9	310	3.3	66	992.7
04/01/2022	11:30:00 - 11:45:00	2	1	3	2	0	3.8	311	3.5	66	992.7
04/01/2022	11:45:00 - 12:00:00	2	1	3	2	0	4.8	315	3.8	64	992.9
04/01/2022	12:00:00 - 12:15:00	3	1	4	2	0	4.5	319	4.0	65	993.0
04/01/2022	12:15:00 - 12:30:00	8	1	7	2	0	2.8	320	4.8	65	993.1
04/01/2022	12:30:00 - 12:45:00	5	1	5	2	0	4.2	311	4.2	65	993.2
04/01/2022	12:45:00 - 13:00:00	2	1	3	2	0	3.6	306	4.2	63	993.2
04/01/2022	13:00:00 - 13:15:00	4	1	5	2	0	3.3	320	4.7	64	993.3
04/01/2022	13:15:00 - 13:30:00	3	1	3	2	0	3.7	286	4.7	63	993.4
04/01/2022	13:30:00 - 13:45:00	2	2	3	2	0	4.5	291	5.2	63	993.4
04/01/2022	13:45:00 - 14:00:00	3	1	3	2	0	4.1	308	4.8	65	993.4

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. [µg/m ³]	Average Conc. [µg/m ³]	Average Conc. [µg/m ³]	Average Conc. [µg/m ³]	Average Conc. [µg/m ³]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [° Celcius]	Relative Humidity [%]	Barometric Pressure [mb]
04/01/2022	14:00:00 - 14:15:00	2	1	3	2	0	3.5	284	5.0	61	993.4
04/01/2022	14:15:00 - 14:30:00	4	6	5	2	0	3.1	285	5.1	63	993.4
04/01/2022	14:30:00 - 14:45:00	4	1	4	2	0	2.0	308	5.3	62	993.3
04/01/2022	14:45:00 - 15:00:00	27	1	29	2	0	2.9	301	5.8	60	993.3
04/01/2022	15:00:00 - 15:15:00	22	1	21	2	1	4.2	301	6.2	59	993.3
04/01/2022	15:15:00 - 15:30:00	32	1	30	2	21	2.4	295	5.8	61	993.3
04/01/2022	15:30:00 - 15:45:00	3	5	4	3	2	2.2	299	6.1	60	993.2
04/01/2022	15:45:00 - 16:00:00	3	1	3	3	1	2.0	298	6.1	60	993.3
04/01/2022	16:00:00 - 16:15:00	4	2	4	3	1	3.9	281	6.3	58	993.3
04/01/2022	16:15:00 - 16:30:00	29	5	19	3	1	2.2	299	6.1	59	993.3
04/01/2022	16:30:00 - 16:45:00	9	1	7	3	2	1.8	319	6.3	60	993.4
04/01/2022	16:45:00 - 17:00:00	5	1	5	3	1	2.9	317	6.5	60	993.4
04/01/2022	17:00:00 - 17:15:00	7	1	8	3	1	1.8	302	6.7	59	993.5
04/01/2022	17:15:00 - 17:30:00	4	1	4	3	1	1.0	271	6.5	58	993.6
04/01/2022	17:30:00 - 17:45:00	4	1	4	3	1	2.4	258	6.9	57	993.7
04/01/2022	17:45:00 - 18:00:00	3	1	4	3	1	2.2	280	6.6	57	993.7
04/01/2022	18:00:00 - 18:15:00	2	1	3	3	1	2.9	297	6.2	58	993.7
04/01/2022	18:15:00 - 18:30:00	3	1	3	3	1	2.3	271	6.1	59	993.7
04/01/2022	18:30:00 - 18:45:00	3	2	3	3	1	1.9	259	5.9	60	993.6
04/01/2022	18:45:00 - 19:00:00	3	2	3	3	1	1.7	259	5.7	61	993.7
04/01/2022	19:00:00 - 19:15:00	3	2	4	3	1	1.8	195	5.4	62	993.6
04/01/2022	19:15:00 - 19:30:00	3	2	4	3	1	2.4	202	5.2	62	993.6
04/01/2022	19:30:00 - 19:45:00	3	2	4	4	2	1.5	189	4.9	64	993.5
04/01/2022	19:45:00 - 20:00:00	5	3	5	3	3	0.4	106	4.5	66	993.6
04/01/2022	20:00:00 - 20:15:00	4	3	5	4	3	1.0	157	4.2	67	993.7
04/01/2022	20:15:00 - 20:30:00	3	2	4	4	2	1.7	164	4.3	68	993.8
04/01/2022	20:30:00 - 20:45:00	3	2	4	3	2	2.0	171	4.3	68	993.9
04/01/2022	20:45:00 - 21:00:00	3	2	4	4	2	1.6	157	4.4	68	993.9
04/01/2022	21:00:00 - 21:15:00	3	2	4	4	2	2.1	139	4.1	69	994.0
04/01/2022	21:15:00 - 21:30:00	3	2	4	4	2	1.8	177	4.1	70	994.2
04/01/2022	21:30:00 - 21:45:00	3	2	4	3	2	2.1	149	3.9	71	994.2
04/01/2022	21:45:00 - 22:00:00	2	2	4	4	2	2.0	122	3.7	72	994.3
04/01/2022	22:00:00 - 22:15:00	2	2	4	3	2	1.9	126	3.5	74	994.3
04/01/2022	22:15:00 - 22:30:00	2	2	4	3	2	2.7	180	3.2	77	994.4
04/01/2022	22:30:00 - 22:45:00	2	2	4	4	2	2.2	174	2.9	79	994.3
04/01/2022	22:45:00 - 23:00:00	2	2	4	3	2	2.3	159	2.8	79	994.3
04/01/2022	23:00:00 - 23:15:00	2	2	4	4	2	2.3	159	2.7	79	994.2
04/01/2022	23:15:00 - 23:30:00	2	2	4	4	2	2.4	149	2.6	79	994.1
04/01/2022	23:30:00 - 23:45:00	2	2	4	4	2	2.7	147	2.5	79	994.0
04/01/2022	23:45:00 - 00:00:00	2	2	4	4	2	2.0	133	2.3	79	993.8
04/02/2022	00:00:00 - 00:15:00	2	2	4	3	2	2.2	136	2.4	78	993.7
04/02/2022	00:15:00 - 00:30:00	2	2	4	4	2	3.1	127	2.3	78	993.7
04/02/2022	00:30:00 - 00:45:00	2	2	4	3	2	3.0	150	2.1	79	993.6
04/02/2022	00:45:00 - 01:00:00	2	2	4	4	3	2.6	155	1.9	80	993.6
04/02/2022	01:00:00 - 01:15:00	2	2	4	4	3	3.0	155	1.8	80	993.5
04/02/2022	01:15:00 - 01:30:00	2	2	4	4	3	2.6	165	1.6	81	993.4
04/02/2022	01:30:00 - 01:45:00	3	2	4	4	3	2.6	165	1.5	81	993.5
04/02/2022	01:45:00 - 02:00:00	3	2	4	4	3	3.3	146	1.6	81	993.3
04/02/2022	02:00:00 - 02:15:00	3	2	5	4	3	2.4	150	1.4	81	993.2
04/02/2022	02:15:00 - 02:30:00	2	2	4	4	3	3.1	142	1.7	79	992.8
04/02/2022	02:30:00 - 02:45:00	2	2	4	4	3	4.0	139	1.9	77	992.4
04/02/2022	02:45:00 - 03:00:00	2	2	4	4	3	4.2	139	2.0	76	992.3
04/02/2022	03:00:00 - 03:15:00	2	2	4	4	3	3.6	152	2.0	75	992.2
04/02/2022	03:15:00 - 03:30:00	2	2	4	4	3	2.3	166	1.7	76	992.3
04/02/2022	03:30:00 - 03:45:00	3	3	5	4	3	2.3	173	1.4	78	992.4
04/02/2022	03:45:00 - 04:00:00	3	3	5	4	4	2.4	178	1.2	79	992.6
04/02/2022	04:00:00 - 04:15:00	3	3	5	4	4	2.3	171	1.0	82	992.7
04/02/2022	04:15:00 - 04:30:00	3	3	5	5	4	2.4	160	0.9	82	992.6
04/02/2022	04:30:00 - 04:45:00	3	3	5	5	4	2.1	147	1.0	82	992.2
04/02/2022	04:45:00 - 05:00:00	3	3	5	5	4	1.7	151	1.1	81	992.4
04/02/2022	05:00:00 - 05:15:00	3	3	5	5	4	1.6	161	1.0	82	992.5
04/02/2022	05:15:00 - 05:30:00	4	3	5	5	4	2.4	143	0.8	82	992.4

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM					Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [° Celcius]	Relative Humidity [%]	Barometric Pressure [mb]
04/02/2022	05:30:00 - 05:45:00	4	3	5	5	5	1.9	155	0.9	82	992.3
04/02/2022	05:45:00 - 06:00:00	4	3	5	5	4	2.2	152	0.9	81	992.1
04/02/2022	06:00:00 - 06:15:00	4	3	5	5	4	2.2	145	1.1	80	992.0
04/02/2022	06:15:00 - 06:30:00	4	3	5	5	4	2.5	153	1.1	80	992.2
04/02/2022	06:30:00 - 06:45:00	4	4	6	5	4	3.1	145	1.1	80	992.1
04/02/2022	06:45:00 - 07:00:00	4	4	6	5	5	3.2	148	1.3	79	992.0
04/02/2022	07:00:00 - 07:15:00	4	4	6	5	5	2.6	144	1.4	79	992.0
04/02/2022	07:15:00 - 07:30:00	4	4	6	5	5	2.5	156	1.6	78	992.0
04/02/2022	07:30:00 - 07:45:00	4	4	6	5	5	3.2	149	1.8	78	991.8
04/02/2022	07:45:00 - 08:00:00	4	4	6	6	5	3.4	144	2.0	77	991.6
04/02/2022	08:00:00 - 08:15:00	5	5	6	6	6	3.9	145	2.4	76	991.2
04/02/2022	08:15:00 - 08:30:00	5	5	7	7	6	3.7	153	2.6	75	991.1
04/02/2022	08:30:00 - 08:45:00	5	5	7	7	7	3.5	150	2.4	77	990.9
04/02/2022	08:45:00 - 09:00:00	5	5	7	7	6	4.0	147	2.5	77	990.6
04/02/2022	09:00:00 - 09:15:00	6	5	7	7	6	4.9	145	2.6	78	990.5
04/02/2022	09:15:00 - 09:30:00	5	5	7	7	6	4.9	143	3.3	77	990.1
04/02/2022	09:30:00 - 09:45:00	6	5	7	7	6	4.3	149	4.0	75	989.7
04/02/2022	09:45:00 - 10:00:00	7	6	8	7	7	4.5	155	5.4	72	989.5
04/02/2022	10:00:00 - 10:15:00	7	6	7	8	7	4.2	158	5.5	71	989.1
04/02/2022	10:15:00 - 10:30:00	7	6	7	8	7	4.5	154	6.1	71	988.9
04/02/2022	10:30:00 - 10:45:00	7	6	7	8	7	4.0	164	6.4	70	988.5
04/02/2022	10:45:00 - 11:00:00	8	6	7	8	8	4.2	155	7.2	71	988.4
04/02/2022	11:00:00 - 11:15:00	8	6	7	8	7	4.6	170	8.3	68	988.1
04/02/2022	11:15:00 - 11:30:00	7	6	7	8	7	4.3	175	8.8	67	987.7
04/02/2022	11:30:00 - 11:45:00	7	5	7	8	7	3.9	174	9.2	66	987.3
04/02/2022	11:45:00 - 12:00:00	7	5	6	7	7	3.9	182	9.8	65	986.8
04/02/2022	12:00:00 - 12:15:00	8	5	7	10	8	5.3	184	9.8	63	986.5
04/02/2022	12:15:00 - 12:30:00	8	6	7	8	8	4.8	182	9.6	64	986.2
04/02/2022	12:30:00 - 12:45:00	9	6	7	8	8	4.1	181	9.5	67	986.0
04/02/2022	12:45:00 - 13:00:00	8	6	7	8	8	2.8	182	10.1	67	985.6
04/02/2022	13:00:00 - 13:15:00	9	6	7	8	8	4.4	192	10.2	66	985.4
04/02/2022	13:15:00 - 13:30:00	9	6	7	8	8	4.5	206	9.7	68	985.6
04/02/2022	13:30:00 - 13:45:00	10	7	8	9	8	4.7	207	9.3	73	985.5
04/02/2022	13:45:00 - 14:00:00	10	7	8	9	9	4.1	215	9.4	76	985.3
04/02/2022	14:00:00 - 14:15:00	9	7	8	8	7	4.5	218	9.6	78	985.0
04/02/2022	14:15:00 - 14:30:00	9	6	8	8	7	3.9	221	9.7	78	984.8
04/02/2022	14:30:00 - 14:45:00	9	7	8	8	7	4.1	237	9.9	79	984.7
04/02/2022	14:45:00 - 15:00:00	10	8	9	9	8	6.2	261	10.2	77	984.7
04/02/2022	15:00:00 - 15:15:00	9	7	8	8	7	6.3	269	10.2	76	984.8
04/02/2022	15:15:00 - 15:30:00	8	6	8	8	7	6.7	271	10.2	77	984.8
04/02/2022	15:30:00 - 15:45:00	8	6	7	7	7	7.1	279	10.2	77	985.0
04/02/2022	15:45:00 - 16:00:00	10	8	9	9	9	9.6	279	9.6	78	985.3
04/02/2022	16:00:00 - 16:15:00	10	8	9	9	9	10.4	286	8.8	81	985.6
04/02/2022	16:15:00 - 16:30:00	11	9	10	10	10	10.0	288	8.1	82	986.0
04/02/2022	16:30:00 - 16:45:00	11	9	9	10	9	11.0	290	7.7	81	986.3
04/02/2022	16:45:00 - 17:00:00	7	6	6	6	6	10.4	288	7.7	77	986.5
04/02/2022	17:00:00 - 17:15:00	6	4	6	6	4	8.7	300	7.8	76	986.8
04/02/2022	17:15:00 - 17:30:00	5	3	4	4	3	9.8	298	7.6	75	987.1
04/02/2022	17:30:00 - 17:45:00	4	3	4	4	2	9.6	301	7.4	75	987.4
04/02/2022	17:45:00 - 18:00:00	4	3	4	4	1	9.8	299	7.1	75	987.6
04/02/2022	18:00:00 - 18:15:00	4	3	4	4	2	10.2	298	7.1	74	987.8
04/02/2022	18:15:00 - 18:30:00	4	3	4	4	2	10.1	303	6.8	75	988.0
04/02/2022	18:30:00 - 18:45:00	4	3	4	4	2	9.9	298	6.6	75	988.2
04/02/2022	18:45:00 - 19:00:00	4	3	4	4	2	9.2	299	6.2	77	988.3
04/02/2022	19:00:00 - 19:15:00	3	2	4	3	1	8.9	298	5.8	77	988.5
04/02/2022	19:15:00 - 19:30:00	3	2	4	3	1	7.4	299	5.6	79	988.6
04/02/2022	19:30:00 - 19:45:00	3	2	4	3	1	8.3	295	5.6	81	988.8
04/02/2022	19:45:00 - 20:00:00	3	2	4	3	1	5.8	292	5.5	82	989.1
04/02/2022	20:00:00 - 20:15:00	2	2	4	3	1	5.8	296	5.5	82	989.3
04/02/2022	20:15:00 - 20:30:00	2	2	4	3	1	7.1	300	5.6	81	989.7
04/02/2022	20:30:00 - 20:45:00	3	2	4	3	1	6.2	302	5.4	79	989.8
04/02/2022	20:45:00 - 21:00:00	3	2	4	3	1	5.9	302	5.2	79	989.8

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. [° Celcius]	Relative Humidity [%]	Barometric Pressure [mb]
04/02/2022	21:00:00 - 21:15:00	3	2	4	3	1	5.7	302	5.0	81	990.0
04/02/2022	21:15:00 - 21:30:00	3	2	4	4	2	4.1	295	4.8	83	990.2
04/02/2022	21:30:00 - 21:45:00	3	3	4	4	2	3.1	293	4.5	84	990.2
04/02/2022	21:45:00 - 22:00:00	3	3	4	4	2	3.5	280	4.2	86	990.4
04/02/2022	22:00:00 - 22:15:00	3	3	4	4	2	3.4	284	4.0	87	990.5
04/02/2022	22:15:00 - 22:30:00	3	3	4	4	2	2.1	309	3.8	88	990.3
04/02/2022	22:30:00 - 22:45:00	3	3	5	5	3	1.8	320	3.7	88	990.2
04/02/2022	22:45:00 - 23:00:00	3	3	5	5	3	1.3	343	3.6	88	990.3
04/02/2022	23:00:00 - 23:15:00	4	3	5	5	3	1.0	310	3.3	89	990.3
04/02/2022	23:15:00 - 23:30:00	4	4	5	5	3	1.9	257	3.2	89	990.3
04/02/2022	23:30:00 - 23:45:00	4	4	5	6	4	0.9	221	2.9	90	990.3
04/02/2022	23:45:00 - 00:00:00	4	4	6	6	4	0.4	200	2.2	91	990.4
04/03/2022	00:00:00 - 00:15:00	5	4	6	6	5	0.3	167	2.2	92	990.5
04/03/2022	00:15:00 - 00:30:00	4	5	6	6	5	1.4	220	1.9	93	990.5
04/03/2022	00:30:00 - 00:45:00	4	5	6	7	5	1.6	232	2.0	94	990.6
04/03/2022	00:45:00 - 01:00:00	5	5	6	7	5	1.1	215	1.6	94	990.6
04/03/2022	01:00:00 - 01:15:00	5	5	6	7	6	1.4	193	1.8	95	990.7
04/03/2022	01:15:00 - 01:30:00	5	5	7	8	6	1.4	178	1.6	95	990.7
04/03/2022	01:30:00 - 01:45:00	7	6	7	9	7	1.2	170	1.6	95	990.7
04/03/2022	01:45:00 - 02:00:00	8	7	8	11	9	1.6	168	1.4	96	990.6
04/03/2022	02:00:00 - 02:15:00	7	7	8	11	9	1	181	1	96	991
04/03/2022	02:15:00 - 02:30:00	7	7	8	11	8	1	171	1	97	990
04/03/2022	02:30:00 - 02:45:00	7	7	8	11	8	1	185	1	97	991
04/03/2022	02:45:00 - 03:00:00	7	7	8	12	8	1	191	2	97	991
04/03/2022	03:00:00 - 03:15:00	8	8	9	13	10	1.1	209	2.0	97	990.5
04/03/2022	03:15:00 - 03:30:00	8	8	9	12	9	1.7	212	2.0	97	990.4
04/03/2022	03:30:00 - 03:45:00	8	7	9	11	8	1.5	213	1.9	97	990.4
04/03/2022	03:45:00 - 04:00:00	8	7	8	10	8	1.4	226	1.9	97	990.4
04/03/2022	04:00:00 - 04:15:00	8	7	9	11	8	1.9	237	1.9	97	990.3
04/03/2022	04:15:00 - 04:30:00	8	7	9	11	8	1.6	232	1.9	97	990.4
04/03/2022	04:30:00 - 04:45:00	8	7	8	10	8	2.4	252	2.2	97	990.4
04/03/2022	04:45:00 - 05:00:00	8	7	9	11	9	2.0	240	2.2	96	990.4
04/03/2022	05:00:00 - 05:15:00	9	8	9	11	9	1.9	241	1.9	96	990.4
04/03/2022	05:15:00 - 05:30:00	9	8	9	11	9	2.8	250	1.9	96	990.5
04/03/2022	05:30:00 - 05:45:00	9	8	9	12	10	3.7	255	1.9	96	990.6
04/03/2022	05:45:00 - 06:00:00	9	8	9	12	10	4.1	255	2.1	95	990.7
04/03/2022	06:00:00 - 06:15:00	8	8	9	11	9	3.7	255	2.0	95	990.8
04/03/2022	06:15:00 - 06:30:00	8	7	9	11	8	3.5	252	2.1	94	990.9
04/03/2022	06:30:00 - 06:45:00	7	7	8	10	8	3.0	261	2.1	93	991.0
04/03/2022	06:45:00 - 07:00:00	7	7	8	10	8	3.1	273	2.3	92	991.1
04/03/2022	07:00:00 - 07:15:00	7	6	8	10	8	2.6	271	2.4	91	991.3
04/03/2022	07:15:00 - 07:30:00	5	6	7	10	6	2.6	270	2.9	89	991.3
04/03/2022	07:30:00 - 07:45:00	4	5	6	9	5	2.9	281	3.4	87	991.4
04/03/2022	07:45:00 - 08:00:00	4	4	5	7	4	3.7	285	3.9	84	991.5
04/03/2022	08:00:00 - 08:15:00	3	4	5	7	2	3.9	288	4.4	82	991.4
04/03/2022	08:15:00 - 08:30:00	3	3	5	6	2	4.7	289	4.9	79	991.6
04/03/2022	08:30:00 - 08:45:00	3	3	5	4	2	4.4	287	5.2	78	991.7
04/03/2022	08:45:00 - 09:00:00	3	3	4	4	2	4.3	300	5.7	77	991.8
04/03/2022	09:00:00 - 09:15:00	3	3	4	4	2	4.7	294	6.1	76	992.0
04/03/2022	09:15:00 - 09:30:00	3	3	4	3	2	4.1	288	7.0	73	992.0
04/03/2022	09:30:00 - 09:45:00	3	2	4	3	1	4.3	305	7.5	68	992.1
04/03/2022	09:45:00 - 10:00:00	3	2	3	3	1	4.3	303	8.2	65	992.1
04/03/2022	10:00:00 - 10:15:00	2	1	3	3	1	3.9	319	8.9	62	992.0
04/03/2022	10:15:00 - 10:30:00	2	0	3	3	1	5.0	299	9.1	57	992.1
04/03/2022	10:30:00 - 10:45:00	2	0	3	2	1	4.2	302	9.7	55	992.1
04/03/2022	10:45:00 - 11:00:00	2	0	2	2	1	3.9	302	10.4	53	992.1
04/03/2022	11:00:00 - 11:15:00	2	0	2	2	1	4.5	308	10.8	50	992.2
04/03/2022	11:15:00 - 11:30:00	2	0	2	2	1	5.1	291	11.0	47	992.2
04/03/2022	11:30:00 - 11:45:00	2	0	2	2	0	5.1	303	11.2	47	992.2
04/03/2022	11:45:00 - 12:00:00	2	0	2	2	0	5.8	318	11.8	46	992.1
04/03/2022	12:00:00 - 12:15:00	2	0	2	2	0	6.5	323	11.7	47	992.1
04/03/2022	12:15:00 - 12:30:00	2	0	2	2	1	5.0	337	12.1	50	992.1

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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. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]
04/03/2022	12:30:00 - 12:45:00	2	0	2	3	1	5.4	317	12.3	49	992.1
04/03/2022	12:45:00 - 13:00:00	3	0	2	3	1	5.9	300	12.6	49	992.0
04/03/2022	13:00:00 - 13:15:00	3	0	2	3	1	5.4	288	12.7	49	991.8
04/03/2022	13:15:00 - 13:30:00	3	0	2	3	1	4.7	323	13.1	48	991.6
04/03/2022	13:30:00 - 13:45:00	3	0	2	3	1	5.1	313	13.3	47	991.4
04/03/2022	13:45:00 - 14:00:00	3	0	2	3	1	3.9	323	13.6	47	991.2
04/03/2022	14:00:00 - 14:15:00	3	0	2	3	1	4.0	298	13.6	46	991.0
04/03/2022	14:15:00 - 14:30:00	3	0	2	3	1	4.7	301	13.9	47	990.8
04/03/2022	14:30:00 - 14:45:00	3	0	2	3	1	4.0	294	14.2	46	990.6
04/03/2022	14:45:00 - 15:00:00	3	0	2	3	1	5.0	286	14.2	46	990.4
04/03/2022	15:00:00 - 15:15:00	3	0	2	3	1	3.8	303	14.5	46	990.2
04/03/2022	15:15:00 - 15:30:00	3	0	2	3	1	3.7	297	14.5	45	990.1
04/03/2022	15:30:00 - 15:45:00	3	0	2	3	1	4.6	280	14.7	44	989.9
04/03/2022	15:45:00 - 16:00:00	4	0	2	3	1	5.0	303	14.6	45	990.0
04/03/2022	16:00:00 - 16:15:00	3	0	2	3	1	4.5	292	14.4	44	990.0
04/03/2022	16:15:00 - 16:30:00	3	0	2	3	1	4.4	307	14.5	45	989.8
04/03/2022	16:30:00 - 16:45:00	3	0	3	3	2	4.3	291	14.5	44	989.8
04/03/2022	16:45:00 - 17:00:00	3	0	2	3	1	4.9	294	14.5	44	989.8
04/03/2022	17:00:00 - 17:15:00	3	0	2	3	1	5.2	295	13.8	46	989.9
04/03/2022	17:15:00 - 17:30:00	3	0	3	3	1	4.3	298	13.8	47	989.9
04/03/2022	17:30:00 - 17:45:00	3	0	3	3	1	4.5	297	13.7	48	989.7
04/03/2022	17:45:00 - 18:00:00	3	0	3	3	2	3.5	297	13.7	47	989.6
04/03/2022	18:00:00 - 18:15:00	4	1	4	4	3	3.4	280	13.5	46	989.6
04/03/2022	18:15:00 - 18:30:00	5	2	4	4	3	2.0	270	13.4	46	989.6
04/03/2022	18:30:00 - 18:45:00	5	2	4	4	3	1.6	301	13.2	48	989.6
04/03/2022	18:45:00 - 19:00:00	5	3	4	4	3	1.6	303	12.9	48	989.5
04/03/2022	19:00:00 - 19:15:00	4	2	4	4	3	1.0	294	12.7	48	989.5
04/03/2022	19:15:00 - 19:30:00	4	2	4	4	3	0.3	277	12.3	50	989.4
04/03/2022	19:30:00 - 19:45:00	5	3	5	4	4	0.9	278	12.5	50	989.4
04/03/2022	19:45:00 - 20:00:00	6	4	6	6	6	0.3	11	12.4	50	989.3
04/03/2022	20:00:00 - 20:15:00	5	4	5	6	5	1.0	98	12.3	52	989.4
04/03/2022	20:15:00 - 20:30:00	6	4	5	6	5	0.1	348	12.2	54	989.4
04/03/2022	20:30:00 - 20:45:00	5	3	5	6	4	0.7	83	12.1	54	989.4
04/03/2022	20:45:00 - 21:00:00	5	3	5	5	4	1.4	99	12.1	55	989.5
04/03/2022	21:00:00 - 21:15:00	5	4	5	5	4	1.3	105	12.3	53	989.4
04/03/2022	21:15:00 - 21:30:00	7	5	6	8	6	2.6	73	11.8	58	989.2
04/03/2022	21:30:00 - 21:45:00	6	4	5	6	4	3.0	102	11.6	59	989.1
04/03/2022	21:45:00 - 22:00:00	4	2	4	4	3	3.6	98	11.5	60	988.9
04/03/2022	22:00:00 - 22:15:00	4	2	4	4	2	4.4	99	11.4	60	988.7
04/03/2022	22:15:00 - 22:30:00	5	3	4	5	3	5.0	105	11.1	63	988.4
04/03/2022	22:30:00 - 22:45:00	5	3	5	5	3	3.7	108	10.8	66	988.2
04/03/2022	22:45:00 - 23:00:00	5	3	5	5	3	2.7	126	10.7	66	988.4
04/03/2022	23:00:00 - 23:15:00	5	3	5	5	3	2.7	118	10.5	67	988.2
04/03/2022	23:15:00 - 23:30:00	4	3	4	4	3	4.6	97	10.3	67	987.8
04/03/2022	23:30:00 - 23:45:00	4	3	4	4	2	4.0	103	10.2	67	987.9
04/03/2022	23:45:00 - 00:00:00	5	3	5	5	3	3.2	119	10.1	68	987.7
04/04/2022	00:00:00 - 00:15:00	4	3	4	5	3	3.5	116	9.9	68	987.5
04/04/2022	00:15:00 - 00:30:00	4	3	4	4	2	4.0	123	9.8	68	987.1
04/04/2022	00:30:00 - 00:45:00	3	2	4	4	2	4.1	126	9.8	68	986.7
04/04/2022	00:45:00 - 01:00:00	3	2	3	3	1	5.1	125	9.8	66	986.4
04/04/2022	01:00:00 - 01:15:00	3	2	3	3	1	4.9	128	9.8	65	986.2
04/04/2022	01:15:00 - 01:30:00	3	1	3	3	1	3.8	135	9.8	64	986.3
04/04/2022	01:30:00 - 01:45:00	2	1	3	3	1	4.6	145	9.9	63	986.6
04/04/2022	01:45:00 - 02:00:00	2	1	3	3	0	2.7	140	9.7	65	986.9
04/04/2022	02:00:00 - 02:15:00	3	1	3	3	1	1.9	165	9.6	66	987.1
04/04/2022	02:15:00 - 02:30:00	3	2	4	4	1	2.0	145	9.1	71	987.0
04/04/2022	02:30:00 - 02:45:00	3	2	4	4	2	2.3	141	8.8	74	986.9
04/04/2022	02:45:00 - 03:00:00	3	2	4	3	1	2.9	138	9.0	71	986.7
04/04/2022	03:00:00 - 03:15:00	3	2	4	3	1	2.5	135	9.2	70	986.4
04/04/2022	03:15:00 - 03:30:00	3	2	4	3	1	2.1	144	9.2	70	986.3
04/04/2022	03:30:00 - 03:45:00	3	2	4	3	1	2.5	140	9.2	70	985.9
04/04/2022	03:45:00 - 04:00:00	3	2	4	3	1	2.1	144	9.3	70	985.5

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. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]
04/04/2022	04:00:00 - 04:15:00	3	2	4	3	1	2.5	152	9.2	70	985.5
04/04/2022	04:15:00 - 04:30:00	3	2	4	4	2	2.8	150	9.0	72	985.3
04/04/2022	04:30:00 - 04:45:00	3	2	4	4	2	2.0	165	9.1	72	985.3
04/04/2022	04:45:00 - 05:00:00	3	2	4	4	1	1.3	195	9.0	73	985.6
04/04/2022	05:00:00 - 05:15:00	3	2	4	4	1	1.9	171	8.6	77	985.8
04/04/2022	05:15:00 - 05:30:00	3	2	4	4	2	1.7	147	8.2	82	985.7
04/04/2022	05:30:00 - 05:45:00	3	2	4	4	2	1.6	150	8.2	83	985.4
04/04/2022	05:45:00 - 06:00:00	3	2	4	4	2	2.5	141.1	8.3	82.6	985.2
04/04/2022	06:00:00 - 06:15:00	3	3	4	4	2	2.1	146.0	8.3	82.0	985.0
04/04/2022	06:15:00 - 06:30:00	3	3	4	4	2	1.9	187.9	8.4	81.0	985.3
04/04/2022	06:30:00 - 06:45:00	3	3	4	4	2	2.7	181.3	8.4	81.0	985.3
04/04/2022	06:45:00 - 07:00:00	3	2	4	4	2	2.3	174.1	8.5	80.6	985.4
04/04/2022	07:00:00 - 07:15:00	3	3	4	4	2	1.9	173.9	8.6	79.7	985.4
04/04/2022	07:15:00 - 07:30:00	3	2	4	4	1	3.4	191.3	9.2	74.7	985.4
04/04/2022	07:30:00 - 07:45:00	3	2	4	3	1	4.1	202.2	9.5	71.3	985.4
04/04/2022	07:45:00 - 08:00:00	2	5	3	3	1	3.3	195.8	9.7	70.9	985.4
04/04/2022	08:00:00 - 08:15:00	3	3	3	3	1	4.9	200.9	9.8	70.6	985.4
04/04/2022	08:15:00 - 08:30:00	3	2	3	3	1	4.5	200.4	9.9	71.3	985.4
04/04/2022	08:30:00 - 08:45:00	2	2	3	3	1	3.7	196.7	10.2	71.4	985.3
04/04/2022	08:45:00 - 09:00:00	3	3	3	3	0	3.3	217.8	10.4	71.1	985.3
04/04/2022	09:00:00 - 09:15:00	2	2	3	3	0	3.2	223.1	10.4	71.3	985.3
04/04/2022	09:15:00 - 09:30:00	2	3	3	3	0	4.9	217.0	10.8	70.6	985.3
04/04/2022	09:30:00 - 09:45:00	2	1	3	2	0	5.6	239.0	11.9	68.9	985.2
04/04/2022	09:45:00 - 10:00:00	3	5	3	3	1	4.9	251.4	12.6	68.0	985.1
04/04/2022	10:00:00 - 10:15:00	4	5	3	4	2	4.9	258.6	13.2	67.5	985.0
04/04/2022	10:15:00 - 10:30:00	5	3	5	4	4	8.1	267.8	13.0	68.0	985.0
04/04/2022	10:30:00 - 10:45:00	10	3	8	5	5	7.3	272.9	12.9	69.8	985.1
04/04/2022	10:45:00 - 11:00:00	8	4	7	6	6	7.1	275.9	13.2	70.3	985.1
04/04/2022	11:00:00 - 11:15:00	19	5	12	7	7	6.1	271.9	13.8	69.7	985.1
04/04/2022	11:15:00 - 11:30:00	11	5	8	7	7	5.9	273.4	13.9	69.5	985.0
04/04/2022	11:30:00 - 11:45:00	11	5	9	7	7	6.5	276	13.9	69	984.9
04/04/2022	11:45:00 - 12:00:00	10	5	7	7	7	6.7	277	14.1	68	985.0
04/04/2022	12:00:00 - 12:15:00	10	5	8	8	8	5.9	283	14.5	67	985.0
04/04/2022	12:15:00 - 12:30:00	12	5	9	7	7	6.4	282	14.3	66	985.0
04/04/2022	12:30:00 - 12:45:00	9	3	7	6	5	6.1	291	14.4	66	985.0
04/04/2022	12:45:00 - 13:00:00	12	4	8	5	4	7.2	282	14.4	63	985.0
04/04/2022	13:00:00 - 13:15:00	13	3	9	5	5	6.4	284	14.4	65	985.1
04/04/2022	13:15:00 - 13:30:00	10	3	7	5	5	6.6	298	14.0	66	985.1
04/04/2022	13:30:00 - 13:45:00	8	5	6	5	5	6.8	291	13.4	67	985.2
04/04/2022	13:45:00 - 14:00:00	7	3	5	5	4	6.8	286	13.3	67	985.2
04/04/2022	14:00:00 - 14:15:00	9	3	7	5	3	7.2	289	13.2	65	985.1
04/04/2022	14:15:00 - 14:30:00	6	3	5	4	3	7.5	293	12.9	63	985.1
04/04/2022	14:30:00 - 14:45:00	7	4	5	5	4	6.9	295	12.5	62	985.2
04/04/2022	14:45:00 - 15:00:00	8	4	6	7	6	6.8	302	12.2	62	985.2
04/04/2022	15:00:00 - 15:15:00	10	5	7	8	8	6.4	309	12.0	64	985.1
04/04/2022	15:15:00 - 15:30:00	10	6	7	7	7	6.5	310	12.1	62	985.2
04/04/2022	15:30:00 - 15:45:00	9	4	7	6	7	5.9	317	11.9	62	984.9
04/04/2022	15:45:00 - 16:00:00	15	4	12	6	6	6.0	297	12.1	59	984.9
04/04/2022	16:00:00 - 16:15:00	8	3	7	5	5	5.6	316	12.3	60	984.9
04/04/2022	16:15:00 - 16:30:00	6	2	4	4	4	5.3	306	12.2	59	985.1
04/04/2022	16:30:00 - 16:45:00	5	4	4	4	4	5.1	309	12.2	59	985.2
04/04/2022	16:45:00 - 17:00:00	6	1	5	4	4	3.6	311	12.5	61	985.2
04/04/2022	17:00:00 - 17:15:00	5	1	4	4	4	5.2	300	12.3	60	985.2
04/04/2022	17:15:00 - 17:30:00	5	1	4	4	3	4.2	302	11.8	62	985.3
04/04/2022	17:30:00 - 17:45:00	4	5	4	4	2	5.0	322	11.5	62	985.3
04/04/2022	17:45:00 - 18:00:00	4	2	4	3	2	4.2	328	11.6	62	985.3
04/04/2022	18:00:00 - 18:15:00	4	2	3	3	2	5.2	355	11.2	66	985.2
04/04/2022	18:15:00 - 18:30:00	4	1	3	4	2	5.3	354	10.2	68	985.3
04/04/2022	18:30:00 - 18:45:00	4	1	4	4	2	4.9	353	9.5	70	985.4
04/04/2022	18:45:00 - 19:00:00	4	1	3	3	1	4.5	353	8.9	72	985.8
04/04/2022	19:00:00 - 19:15:00	4	2	4	4	2	3.7	347	8.1	74	986.2
04/04/2022	19:15:00 - 19:30:00	4	2	4	4	2	3.6	344	7.7	76	986.2

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. [° Celcius]	Relative Humidity [%]	Barometric Pressure [mb]
04/04/2022	19:30:00 - 19:45:00	5	3	5	5	3	3.1	359	7.3	77	986.2
04/04/2022	19:45:00 - 20:00:00	5	3	5	5	3	3.1	359	6.9	79	986.3
04/04/2022	20:00:00 - 20:15:00	5	3	6	6	4	2.7	13	6.6	79	986.3
04/04/2022	20:15:00 - 20:30:00	4	3	5	4	2	2.5	26	6.3	81	986.0
04/04/2022	20:30:00 - 20:45:00	4	3	5	4	3	3.0	60	6.0	82	985.9
04/04/2022	20:45:00 - 21:00:00	3	2	4	4	2	2.7	38	5.7	83	986.0
04/04/2022	21:00:00 - 21:15:00	3	3	4	4	2	2.3	69	5.4	84	986.1
04/04/2022	21:15:00 - 21:30:00	3	2	4	4	1	2.0	40	5.3	85	986.2
04/04/2022	21:30:00 - 21:45:00	3	3	4	4	1	1.6	70	5.1	85	986.3
04/04/2022	21:45:00 - 22:00:00	3	3	4	4	2	1.6	63	5.0	86	986.5
04/04/2022	22:00:00 - 22:15:00	3	3	4	4	2	2.2	43	4.9	86	986.4
04/04/2022	22:15:00 - 22:30:00	3	3	4	4	2	2.3	55	4.8	86	986.2
04/04/2022	22:30:00 - 22:45:00	3	3	4	4	2	2.5	68	4.8	86	986.3
04/04/2022	22:45:00 - 23:00:00	3	3	4	4	2	2.6	84	4.6	86	986.2
04/04/2022	23:00:00 - 23:15:00	3	3	4	4	2	2.0	75	4.6	86	986.3
04/04/2022	23:15:00 - 23:30:00	3	3	5	4	2	2.3	93	4.4	87	986.2
04/04/2022	23:30:00 - 23:45:00	3	4	5	5	2	2.4	91	4.3	87	986.1
04/04/2022	23:45:00 - 00:00:00	4	4	6	4	2	1.7	114	4.1	87	985.9
04/05/2022	00:00:00 - 00:15:00	3	4	5	6	3	2.2	114	4.1	88	985.5
04/05/2022	00:15:00 - 00:30:00	5	5	6	6	4	2.1	97	3.9	88	985.3
04/05/2022	00:30:00 - 00:45:00	4	5	5	5	3	2.8	99	3.9	88	985.2
04/05/2022	00:45:00 - 01:00:00	5	5	6	7	5	3.7	94	3.8	88	985.2
04/05/2022	01:00:00 - 01:15:00	8	8	8	10	8	3.4	91	3.7	89	985.1
04/05/2022	01:15:00 - 01:30:00	7	7	8	9	7	4.8	89	3.7	89	985.0
04/05/2022	01:30:00 - 01:45:00	6	6	7	8	6	4.0	93	3.8	89	984.9
04/05/2022	01:45:00 - 02:00:00	6	6	7	8	5	2.9	98	3.9	88	984.7
04/05/2022	02:00:00 - 02:15:00	6	6	7	8	5	4.4	108	3.9	89	984.4
04/05/2022	02:15:00 - 02:30:00	6	6	7	7	5	3.9	129	3.8	89	984.2
04/05/2022	02:30:00 - 02:45:00	6	6	7	7	6	3.9	133	3.7	90	984.3
04/05/2022	02:45:00 - 03:00:00	6	6	7	7	6	3.1	114	3.4	91	984.2
04/05/2022	03:00:00 - 03:15:00	7	6	8	8	6	3.1	126	3.4	91	984.2
04/05/2022	03:15:00 - 03:30:00	8	7	8	9	7	3.6	120	3.5	91	984.1
04/05/2022	03:30:00 - 03:45:00	6	6	7	8	6	3.9	119	3.5	91	984.0
04/05/2022	03:45:00 - 04:00:00	6	6	7	8	6	3.4	119	3.3	91	983.8
04/05/2022	04:00:00 - 04:15:00	6	5	7	7	6	3.8	122	3.3	92	983.5
04/05/2022	04:15:00 - 04:30:00	6	6	7	7	6	5.3	103	3.2	92	983.0
04/05/2022	04:30:00 - 04:45:00	6	6	7	7	6	6.1	104	3.4	91	982.7
04/05/2022	04:45:00 - 05:00:00	6	6	7	7	6	5.0	108	3.4	92	982.5
04/05/2022	05:00:00 - 05:15:00	7	6	7	8	6	5.5	108	3.3	92	982.4
04/05/2022	05:15:00 - 05:30:00	7	6	8	8	7	6.1	107	3.3	92	982.3
04/05/2022	05:30:00 - 05:45:00	7	6	8	8	7	5.0	117	3.5	91	982.3
04/05/2022	05:45:00 - 06:00:00	7	6	8	8	6	4.4	123	3.3	91	982.2
04/05/2022	06:00:00 - 06:15:00	7	6	8	8	7	6.6	99	3.2	92	981.8
04/05/2022	06:15:00 - 06:30:00	8	7	8	9	9	6.0	103	3.2	92	981.8
04/05/2022	06:30:00 - 06:45:00	8	7	8	9	7	6.4	96	3.2	92	981.9
04/05/2022	06:45:00 - 07:00:00	8	7	9	9	8	6.4	99	3.4	92	981.9
04/05/2022	07:00:00 - 07:15:00	8	7	9	12	9	5.4	114	3.7	91	982.2
04/05/2022	07:15:00 - 07:30:00	8	7	9	60	8	6.3	107	3.9	90	982.1
04/05/2022	07:30:00 - 07:45:00	8	7	8	9	7	6.2	111	4.4	89	982.1
04/05/2022	07:45:00 - 08:00:00	8	7	8	9	9	6.1	113	4.9	87	982.0
04/05/2022	08:00:00 - 08:15:00	8	6	8	11	8	6.3	113	5.0	87	981.8
04/05/2022	08:15:00 - 08:30:00	7	6	8	10	10	5.8	114	5.2	87	981.7
04/05/2022	08:30:00 - 08:45:00	8	7	8	13	10	5.9	110	5.5	87	981.5
04/05/2022	08:45:00 - 09:00:00	8	6	8	11	10	5.1	111	5.9	87	981.4
04/05/2022	09:00:00 - 09:15:00	8	6	8	9	8	4.9	108	6.6	86	981.4
04/05/2022	09:15:00 - 09:30:00	8	6	8	8	7	5.3	113	7.1	85	981.2
04/05/2022	09:30:00 - 09:45:00	8	7	8	11	12	4.3	120	7.8	84	981.0
04/05/2022	09:45:00 - 10:00:00	9	6	8	13	13	5.0	113	8.1	83	980.8
04/05/2022	10:00:00 - 10:15:00	9	6	8	11	14	5.8	108	8.2	84	980.5
04/05/2022	10:15:00 - 10:30:00	10	7	9	10	13	4.4	136	8.8	84	980.5
04/05/2022	10:30:00 - 10:45:00	10	7	9	10	14	4.1	139	9.2	83	980.4
04/05/2022	10:45:00 - 11:00:00	9	7	8	9	11	4.4	131	9.4	83	980.3

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1-5					Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [° Celcius]	Relative Humidity [%]	Barometric Pressure [mb]
04/05/2022	11:00:00 - 11:15:00	10	7	9	10	13	3.9	141	9.7	82	980.4
04/05/2022	11:15:00 - 11:30:00	10	7	9	10	10	3.1	137	9.9	82	980.3
04/05/2022	11:30:00 - 11:45:00	10	7	9	10	10	2.9	120	9.9	84	980.1
04/05/2022	11:45:00 - 12:00:00	10	8	9	11	10	2.2	129	9.8	87	980.0
04/05/2022	12:00:00 - 12:15:00	11	9	10	11	11	3.2	124	9.5	89	979.7
04/05/2022	12:15:00 - 12:30:00	12	9	10	12	11	3.3	119	9.4	91	979.5
04/05/2022	12:30:00 - 12:45:00	12	9	10	12	11	3.5	114	9.2	93	979.3
04/05/2022	12:45:00 - 13:00:00	12	9	10	13	11	5.1	120	9.0	95	979.2
04/05/2022	13:00:00 - 13:15:00	12	9	10	11	11	5.3	107	8.8	96	979.0
04/05/2022	13:15:00 - 13:30:00	11	8	10	11	10	6.5	107	8.9	95	978.8
04/05/2022	13:30:00 - 13:45:00	11	8	10	12	10	3.7	104	8.9	96	978.7
04/05/2022	13:45:00 - 14:00:00	11	8	10	11	10	4.3	98	9.0	96	978.4
04/05/2022	14:00:00 - 14:15:00	12	9	10	12	11	3.0	73	9.1	96	978.2
04/05/2022	14:15:00 - 14:30:00	12	9	10	13	11	3.4	85	9.0	97	978.1
04/05/2022	14:30:00 - 14:45:00	13	10	11	14	12	5.6	101	9.0	97	977.7
04/05/2022	14:45:00 - 15:00:00	13	10	11	13	12	6.3	97	9.0	98	977.0
04/05/2022	15:00:00 - 15:15:00	12	9	10	13	11	6.1	91	9.5	98	976.9
04/05/2022	15:15:00 - 15:30:00	12	9	10	12	11	7.9	99	9.8	97	976.5
04/05/2022	15:30:00 - 15:45:00	10	8	9	12	10	7.4	100	10.2	96	976.3
04/05/2022	15:45:00 - 16:00:00	9	6	8	9	8	7.5	100	10.3	95	976.2
04/05/2022	16:00:00 - 16:15:00	10	7	9	10	9	6.4	100	10.5	95	976.0
04/05/2022	16:15:00 - 16:30:00	10	7	9	11	10	6.0	108	10.8	93	976.2
04/05/2022	16:30:00 - 16:45:00	11	7	9	10	10	6.1	108	10.8	94	976.4
04/05/2022	16:45:00 - 17:00:00	11	8	9	11	10	4.6	112	10.9	95	976.4
04/05/2022	17:00:00 - 17:15:00	11	7	9	10	9	4.7	109	11.0	95	976.4
04/05/2022	17:15:00 - 17:30:00	9	6	8	9	8	3.9	118	11.2	95	976.3
04/05/2022	17:30:00 - 17:45:00	8	6	7	9	7	3.9	136	11.3	95	976.3
04/05/2022	17:45:00 - 18:00:00	8	5	7	9	7	3.5	124	11.4	96	976.1
04/05/2022	18:00:00 - 18:15:00	8	6	7	9	7	3.3	126	11.5	96	975.9
04/05/2022	18:15:00 - 18:30:00	8	6	7	9	8	3.5	119	11.5	96	975.8
04/05/2022	18:30:00 - 18:45:00	8	5	7	9	7	2.7	129	11.4	96	975.8
04/05/2022	18:45:00 - 19:00:00	8	5	7	8	7	3.1	134	11.4	97	975.7
04/05/2022	19:00:00 - 19:15:00	8	5	7	8	7	3.1	138	11.4	97	975.7
04/05/2022	19:15:00 - 19:30:00	8	5	7	8	7	3.5	135	11.4	97	975.7
04/05/2022	19:30:00 - 19:45:00	8	5	7	8	7	3.5	127	11.4	97	975.6
04/05/2022	19:45:00 - 20:00:00	8	6	7	8	7	3.6	131	11.3	97	975.5
04/05/2022	20:00:00 - 20:15:00	8	6	8	9	7	3.8	136	11.3	97	975.7
04/05/2022	20:15:00 - 20:30:00	9	7	8	9	8	3.5	133	11.3	97	975.7
04/05/2022	20:30:00 - 20:45:00	10	7	9	10	9	4.2	129	11.2	97	975.8
04/05/2022	20:45:00 - 21:00:00	11	7	9	11	10	4.0	136	11.0	98	975.8
04/05/2022	21:00:00 - 21:15:00	11	8	10	11	10	3.7	129	10.9	98	975.9
04/05/2022	21:15:00 - 21:30:00	12	8	10	12	10	4.0	129	10.8	98	976.0
04/05/2022	21:30:00 - 21:45:00	12	9	11	13	11	3.7	131	10.6	99	975.9
04/05/2022	21:45:00 - 22:00:00	13	9	11	13	12	3.9	136	10.6	99	975.9
04/05/2022	22:00:00 - 22:15:00	14	10	12	14	12	4.8	139	10.7	99	975.5
04/05/2022	22:15:00 - 22:30:00	14	11	12	15	13	4.7	150	10.8	99	975.5
04/05/2022	22:30:00 - 22:45:00	15	11	13	15	14	5.5	144	11.1	99	974.7
04/05/2022	22:45:00 - 23:00:00	14	11	12	15	13	5.8	143	11.3	98	974.4
04/05/2022	23:00:00 - 23:15:00	14	10	12	13	12	5.6	138	11.3	98	973.4
04/05/2022	23:15:00 - 23:30:00	13	9	11	13	12	3.7	159	11.4	97	974.3
04/05/2022	23:30:00 - 23:45:00	12	9	10	12	11	2.9	182	11.9	96	975.6
04/05/2022	23:45:00 - 00:00:00	13	9	11	13	12	3.5	161	12.0	95	975.3

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

Appendix A: Complete Preliminary Data Record

3/30/2022																				
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	NA	NA	NA	NA	1206	0.0	1336	0.0	1408	0.0	NA	NA	NA	NA
SAM-2	732	0.0	807	0.0	931	0.0	NA	NA	NA	NA	1201	0.0	1332	0.0	1402	0.0	NA	NA	NA	NA
SAM-3	746	0.0	823	0.0	944	0.0	NA	NA	NA	NA	1212	0.0	1350	0.0	1418	0.0	NA	NA	NA	NA
SAM-4	739	0.0	816	0.0	938	0.0	NA	NA	NA	NA	1207	0.0	1341	0.0	1412	0.0	NA	NA	NA	NA
IMPL-A	730	0.0	805	0.0	930	0.0	NA	NA	NA	NA	1200	0.0	1330	0.0	1400	0.0	NA	NA	NA	NA
IMPL-B	731	0.0	808	0.0	932	0.0	NA	NA	NA	NA	1202	0.0	1333	0.0	1403	0.0	NA	NA	NA	NA
IMPL-C	732	0.0	809	0.0	933	0.0	NA	NA	NA	NA	1203	0.0	1334	0.0	1404	0.0	NA	NA	NA	NA
IMPL-D	733	0.0	810	0.0	934	0.0	NA	NA	NA	NA	1205	0.0	1334	0.0	1406	0.0	NA	NA	NA	NA
IMPL-E	736	0.0	813	0.0	936	0.0	NA	NA	NA	NA	1205	0.0	1338	0.0	1410	0.0	NA	NA	NA	NA
IMPL-F	738	0.0	815	0.0	937	0.0	NA	NA	NA	NA	1206	0.0	1340	0.0	1411	0.0	NA	NA	NA	NA
IMPL-G	740	0.0	817	0.0	939	0.0	NA	NA	NA	NA	1208	0.0	1342	0.0	1413	0.0	NA	NA	NA	NA
IMPL-H	741	0.0	818	0.0	940	0.0	NA	NA	NA	NA	1209	0.0	1343	0.0	1414	0.0	NA	NA	NA	NA
IMPL-I	742	0.0	819	0.0	941	0.0	NA	NA	NA	NA	1210	0.0	1344	0.0	1415	0.0	NA	NA	NA	NA
IMPL-J	744	0.0	821	0.0	942	0.0	NA	NA	NA	NA	1211	0.0	1346	0.0	1416	0.0	NA	NA	NA	NA
IMPL-K	747	0.0	824	0.0	945	0.0	NA	NA	NA	NA	1213	0.0	1352	0.0	1419	0.0	NA	NA	NA	NA
IMPL-L	748	0.0	825	0.2	946	0.2	NA	NA	NA	NA	1214	0.0	1353	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 5:00 pm

3/31/2022																				
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	1005	0.0	NA	NA	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	1001	0.0	NA	NA	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	1014	0.0	NA	NA	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	1008	0.0	NA	NA	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	1000	0.1	NA	NA	1200	0.0	1330	0.0	1400	0.0	1500	0.0	1600	0.0
IMPL-B	731	0.3	808	0.3	932	0.1	1002	0.3	NA	NA	1202	0.1	1333	0.0	1403	0.2	1503	0.0	1603	0.1
IMPL-C	732	0.3	809	0.3	933	0.3	1003	0.2	NA	NA	1203	0.2	1334	0.2	1404	0.2	1504	0.1	1604	0.1
IMPL-D	733	0.3	810	0.3	934	0.2	1004	0.1	NA	NA	1205	0.1	1334	0.1	1406	0.2	1506	0.0	1606	0.1
IMPL-E	736	0.3	813	0.3	936	0.2	1006	0.0	NA	NA	1205	0.1	1338	0.1	1410	N	1510	0.0	1610	0.0
IMPL-F	738	0.3	815	0.3	937	0.0	1007	0.0	NA	NA	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	1009	0.0	NA	NA	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	1010	0.0	NA	NA	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	1011	0.0	NA	NA	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	1012	0.0	NA	NA	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	1015	0.0	NA	NA	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	1016	0.0	NA	NA	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

4/1/2022																				
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	0.3	812	0.3	935	0.0	1005	0.0	1105	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	1001	0.0	1101	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	1014	0.0	1114	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	1008	0.0	1108	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	1000	0.1	1100	0.2	1200	0.0	1330	0.0	1400	0.0	1500	0.0	1600	0.2
IMPL-B	731	0.4	808	0.4	932	0.4	1002	0.1	1102	0.2	1202	0.0	1333	0.0	1403	0.3	1503	0.0	1603	0.2
IMPL-C	732	0.4	809	0.4	933	0.4	1003	0.2	1103	0.0	1203	0.2	1334	0.4	1404	0.3	1504	0.0	1604	0.2
IMPL-D	733	0.4	810	0.4	934	0.4	1004	0.2	1104	0.0	1205	0.2	1334	0.4	1406	0.3	1506	0.0	1606	0.2
IMPL-E	736	0.0	813	0.0	936	0.6	1006	0.1	1106	0.0	1205	0.4	1338	0.4	1410	0.3	1510	0.1	1610	0.2
IMPL-F	738	0.0	815	0.0	937	0.4	1007	0.1	1107	0.3	1206	0.1	1340	0.4	1411	0.0	1511	0.1	1611	0.0
IMPL-G	740	0.0	817	0.0	939	0.0	1009	0.0	1109	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	1010	0.0	1110	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	1011	0.0	1111	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	1012	0.0	1112	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	1015	0.0	1115	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	1016	0.0	1116	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 3:00 pm

4/4/2022																				
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	0.1	1230	0.1	NA	NA	1400	0.1	1500	0.1	1600	0.1
SAM-2	710	0.0	807	0.0	908	0.1	1008	0.1	1138	0.1	1238	0.1	NA	NA	1410	0.1	1507	0.1	1608	0.1
SAM-3	705	0.0	803	0.0	904	0.0	1004	0.0	1134	0.1	1234	0.1	NA	NA	1405	0.1	1503	0.1	1604	0.1
SAM-4	703	0.0	801	0.0	902	0.0	1002	0.0	1132	0.1	1232	0.1	NA	NA	1403	0.1	1501	0.1	1602	0.1
IMPL-A	711	0.0	808	0.0	909	0.1	1009	0.1	1139	0.1	1239	0.1	NA	NA	1411	0.1	1508	0.1	1609	0.1
IMPL-B	712	0.0	809	0.0	910	0.0	1010	0.0	1140	0.1	1240	0.1	NA	NA	1412	0.1	1509	0.1	1610	0.1
IMPL-C	713	0.0	810	0.0	911	0.0	1011	0.0	1141	0.1	1241	0.1	NA	NA	1413	0.1	1510	0.1	1611	0.1
IMPL-D	714	0.0	811	0.0	912	0.0	1012	0.0	1142	0.1	1242	0.1	NA	NA	1414	0.1	1511	0.1	1612	0.1
IMPL-E	715	0.0	812	0.0	913	0.0	1013	0.0	1143	0.1	1243	0.1	NA	NA	1415	0.1	1512	0.1	1613	0.1
IMPL-F	716	0.0	813	0.0	914	0.0	1014	0.0	1144	0.1	1244	0.1	NA	NA	1416	0.1	1513	0.1	1614	0.1
IMPL-G	717	0.0	814	0.0	915	0.0	1015	0.0	1145	0.1	1245	0.1	NA	NA	1417	0.1	1514	0.1	1615	0.1
IMPL-H	718	0.0	815	0.0	916	0.0	1016	0.0	1146	0.1	1246	0.1	NA	NA	1418	0.1	1515	0.1	1616	0.1
IMPL-I	720	0.0	816	0.0	917	0.0	1017	0.0	1147	0.1	1247	0.1	NA	NA	1420	0.1	1516	0.1	1617	0.1
IMPL-J	721	0.0	817	0.0	918	0.0	1018	0.0	1148	0.1	1248	0.1	NA	NA	1421	0.1	1517	0.1	1618	0.1
IMPL-K	722	0.0	818	0.0	919	0.0	1019	0.0	1149	0.1	1249	0.1	NA	NA	1422	0.1	1518	0.1	1619	0.1
IMPL-L	723	0.0	819	0.0	920	0.0	1020	0.0	1150	0.1	1250	0.1	NA	NA	1423	0.1	1519	0.1	1620	0.1

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

4/5/2022																				
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	1445	0.0	1530	0.0	1615	0.0
SAM-2	708	0.0	808	0.0	907	0.0	1010	0.0	1108	0.0	1208	0.0	1308	0.0	1453	0.0	1538	0.0	1622	0.0
SAM-3	704	0.0	804	0.0	903	0.0	1005	0.0	1104	0.0	1204	0.0	1304	0.0	1449	0.0	1534	0.0	1618	0.0
SAM-4	702	0.0	802	0.0	901	0.0	1003	0.0	1102	0.0	1202	0.0	1302	0.0	1447	0.0	1532	0.0	1616	0.0
IMPL-A	709	0.0	809	0.0	908	0.0	1011	0.0	1109	0.0	1209	0.0	1309	0.0	1454	0.0	1539	0.0	1623	0.0
IMPL-B	710	0.0	810	0.0	909	0.0	1012	0.0	1110	0.0	1210	0.0	1310	0.0	1455	0.0	1540	0.0	1624	0.0
IMPL-C	711	0.0	811	0.0	910	0.0	1013	0.0	1111	0.0	1211	0.0	1311	0.0	1456	0.0	1541	0.0	1625	0.0
IMPL-D	712	0.0	812	0.0	911	0.0	1014	0.0	1112	0.0	1212	0.0	1312	0.0	1457	0.0	1542	0.0	1626	0.0
IMPL-E	713	0.0	813	0.0	912	0.0	1015	0.0	1113	0.0	1213	0.0	1313	0.0	1458	0.0	1543	0.0	1627	0.0
IMPL-F	714	0.0	814	0.0	913	0.0	1016	0.0	1114	0.0	1214	0.0	1314	0.0	1459	0.0	1544	0.0	1628	0.0
IMPL-G	715	0.0	815	0.0	914	0.0	1017	0.0	1115	0.0	1215	0.0	1315	0.0	1500	0.0	1545	0.0	1629	0.0
IMPL-H	716	0.0	816	0.0	915	0.0	1018	0.0	1116	0.0	1216	0.0	1316	0.0	1501	0.0	1546	0.0	1630	0.0
IMPL-I	717	0.0	817	0.0	916	0.0	1020	0.0	1117	0.0	1217	0.0	1317	0.0	1502	0.0	1547	0.0	1631	0.0
IMPL-J	718	0.0	818	0.0	917	0.0	1021	0.0	1118	0.0	1218	0.0	1318	0.0	1503	0.0	1548	0.0	1632	0.0
IMPL-K	719	0.0	819	0.0	918	0.0	1022	0.0	1119	0.0	1219	0.0	1319	0.0	1504	0.0	1549	0.0	1633	0.0
IMPL-L	720	0.0	820	0.0	919	0.0	1023	0.0	1120	0.0	1220	0.0	1320	0.0	1505	0.0	1550	0.0	1634	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	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Naphthalene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	2-Methylnaphthalene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	2-Chloronaphthalene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Acenaphthylene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Acenaphthene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Fluorene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Phenanthrene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Anthracene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Fluoranthene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Pyrene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Chrysene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Benzo(a)anthracene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Benzo(b)fluoranthene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Benzo(k)fluoranthene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Benzo(a)pyrene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	%R	74		Fluorene-d10
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	%R	79		Pyrene-d10
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	%R	91		Benzo(a)pyrene-d12
TO-13A	20220316-18-SE-SAM1	03/16/2022 10:18	03/18/2022 10:21	%R	78		Fluoranthene-d10
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg	3.9		Naphthalene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	2-Methylnaphthalene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	2-Chloronaphthalene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Acenaphthylene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Acenaphthene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Fluorene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Phenanthrene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Anthracene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Fluoranthene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Pyrene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Chrysene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Benzo(a)anthracene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Benzo(b)fluoranthene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Benzo(k)fluoranthene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Benzo(a)pyrene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	%R	71		Fluorene-d10
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	%R	85		Pyrene-d10
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	%R	95		Benzo(a)pyrene-d12
TO-13A	20220316-18-NE-SAM2	03/16/2022 10:39	03/18/2022 10:45	%R	96		Fluoranthene-d10
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Naphthalene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	2-Methylnaphthalene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	2-Chloronaphthalene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Acenaphthylene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Acenaphthene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Fluorene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Phenanthrene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Anthracene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Fluoranthene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Pyrene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Chrysene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Benzo(a)anthracene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	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	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Benzo(k)fluoranthene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Benzo(a)pyrene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	%R	91		Fluorene-d10
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	%R	74		Pyrene-d10
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	%R	89		Benzo(a)pyrene-d12
TO-13A	20220316-18-SE-SAM3	03/16/2022 10:08	03/18/2022 10:16	%R	80		Fluoranthene-d10
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg	1.8		Naphthalene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	2-Methylnaphthalene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	2-Chloronaphthalene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Acenaphthylene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Acenaphthene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Fluorene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Phenanthrene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Anthracene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Fluoranthene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Pyrene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Chrysene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Benzo(a)anthracene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Benzo(b)fluoranthene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Benzo(k)fluoranthene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Benzo(a)pyrene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	%R	82		Fluorene-d10
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	%R	77		Pyrene-d10
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	%R	93		Benzo(a)pyrene-d12
TO-13A	20220316-18-NW-SAM4	03/16/2022 11:05	03/18/2022 10:34	%R	82		Fluoranthene-d10
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Naphthalene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	2-Methylnaphthalene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	2-Chloronaphthalene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Acenaphthylene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Acenaphthene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Fluorene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Phenanthrene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Anthracene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Fluoranthene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Pyrene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Chrysene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Benzo(a)anthracene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Benzo(b)fluoranthene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Benzo(k)fluoranthene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Benzo(a)pyrene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	%R	72		Fluorene-d10
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	%R	68		Pyrene-d10
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	%R	91		Benzo(a)pyrene-d12
TO-13A	20220316-18-SW-SAM5	03/16/2022 10:53	03/18/2022 10:28	%R	76		Fluoranthene-d10
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Naphthalene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	2-Methylnaphthalene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	2-Chloronaphthalene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	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	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Acenaphthene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Fluorene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Phenanthrene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Anthracene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Fluoranthene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Pyrene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Chrysene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Benzo(a)anthracene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Benzo(b)fluoranthene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Benzo(k)fluoranthene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Benzo(a)pyrene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	%R	79		Fluorene-d10
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	%R	89		Pyrene-d10
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	%R	100		Benzo(a)pyrene-d12
TO-13A	20220316-18-SAM6	03/16/2022 11:10	03/18/2022 11:00	%R	67		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.

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Naphthalene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	2-Methylnaphthalene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	2-Chloronaphthalene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Acenaphthylene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Acenaphthene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Fluorene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Phenanthrene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Anthracene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Fluoranthene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Pyrene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Chrysene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Benzo(a)anthracene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Benzo(b)fluoranthene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Benzo(k)fluoranthene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Benzo(a)pyrene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	%R	74		Fluorene-d10
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	%R	81		Pyrene-d10
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	%R	90		Benzo(a)pyrene-d12
TO-13A	20220321-23-SE-SAM1	03/21/2022 08:01	03/23/2022 08:45	%R	76		Fluoranthene-d10
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Naphthalene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	2-Methylnaphthalene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	2-Chloronaphthalene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Acenaphthylene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Acenaphthene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Fluorene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Phenanthrene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Anthracene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Fluoranthene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Pyrene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Chrysene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Benzo(a)anthracene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Benzo(b)fluoranthene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Benzo(k)fluoranthene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Benzo(a)pyrene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	%R	75		Fluorene-d10
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	%R	78		Pyrene-d10
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	%R	87		Benzo(a)pyrene-d12
TO-13A	20220321-23-NE-SAM2	03/21/2022 07:51	03/23/2022 08:30	%R	72		Fluoranthene-d10
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Naphthalene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	2-Methylnaphthalene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	2-Chloronaphthalene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Acenaphthylene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Acenaphthene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Fluorene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Phenanthrene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Anthracene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Fluoranthene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Pyrene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Chrysene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Benzo(a)anthracene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	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	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Benzo(k)fluoranthene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Benzo(a)pyrene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	%R	59	Q	Fluorene-d10
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	%R	64		Pyrene-d10
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	%R	73		Benzo(a)pyrene-d12
TO-13A	20220321-23-SE-SAM3	03/21/2022 07:56	03/23/2022 08:38	%R	64		Fluoranthene-d10
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg	8.2		Naphthalene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg	1.2		2-Methylnaphthalene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	2-Chloronaphthalene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Acenaphthylene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Acenaphthene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Fluorene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Phenanthrene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Anthracene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Fluoranthene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Pyrene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Chrysene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Benzo(a)anthracene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Benzo(b)fluoranthene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Benzo(k)fluoranthene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Benzo(a)pyrene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	%R	93		Fluorene-d10
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	%R	83		Pyrene-d10
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	%R	91		Benzo(a)pyrene-d12
TO-13A	20220321-23-NW-SAM4	03/21/2022 08:16	03/23/2022 08:58	%R	65		Fluoranthene-d10
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Naphthalene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	2-Methylnaphthalene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	2-Chloronaphthalene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Acenaphthylene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Acenaphthene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Fluorene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Phenanthrene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Anthracene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Fluoranthene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Pyrene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Chrysene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Benzo(a)anthracene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Benzo(b)fluoranthene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Benzo(k)fluoranthene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Benzo(a)pyrene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	%R	82		Fluorene-d10
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	%R	85		Pyrene-d10
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	%R	90		Benzo(a)pyrene-d12
TO-13A	20220321-23-SW-SAM5	03/21/2022 08:11	03/23/2022 08:53	%R	78		Fluoranthene-d10
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Naphthalene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	2-Methylnaphthalene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	2-Chloronaphthalene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	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	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Acenaphthene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Fluorene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Phenanthrene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Anthracene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Fluoranthene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Pyrene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Chrysene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Benzo(a)anthracene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Benzo(b)fluoranthene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Benzo(k)fluoranthene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Benzo(a)pyrene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	%R	77		Fluorene-d10
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	%R	86		Pyrene-d10
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	%R	96		Benzo(a)pyrene-d12
TO-13A	20220321-23-SAM6	03/21/2022 07:37	03/23/2022 09:10	%R	66		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.

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Naphthalene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	2-Methylnaphthalene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	2-Chloronaphthalene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Acenaphthylene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Acenaphthene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Fluorene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Phenanthrene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Anthracene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Fluoranthene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Pyrene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Chrysene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Benzo(a)anthracene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Benzo(b)fluoranthene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Benzo(k)fluoranthene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Benzo(a)pyrene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	%R	75		Fluorene-d10
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	%R	84		Pyrene-d10
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	%R	92		Benzo(a)pyrene-d12
TO-13A	20220323-25-SE-SAM1	03/23/2022 14:45	03/25/2022 07:49	%R	78		Fluoranthene-d10
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Naphthalene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	2-Methylnaphthalene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	2-Chloronaphthalene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Acenaphthylene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Acenaphthene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Fluorene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Phenanthrene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Anthracene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Fluoranthene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Pyrene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Chrysene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Benzo(a)anthracene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Benzo(b)fluoranthene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Benzo(k)fluoranthene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Benzo(a)pyrene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	%R	71		Fluorene-d10
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	%R	80		Pyrene-d10
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	%R	79		Benzo(a)pyrene-d12
TO-13A	20220323-25-NE-SAM2	03/23/2022 14:03	03/25/2022 07:40	%R	68		Fluoranthene-d10
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Naphthalene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	2-Methylnaphthalene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	2-Chloronaphthalene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Acenaphthylene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Acenaphthene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Fluorene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Phenanthrene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Anthracene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Fluoranthene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Pyrene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Chrysene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Benzo(a)anthracene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	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	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Benzo(k)fluoranthene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Benzo(a)pyrene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	%R	61		Fluorene-d10
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	%R	63		Pyrene-d10
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	%R	73		Benzo(a)pyrene-d12
TO-13A	20220323-25-SE-SAM3	03/23/2022 14:05	03/25/2022 07:45	%R	63		Fluoranthene-d10
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg	8.5		Naphthalene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg	1.2		2-Methylnaphthalene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	2-Chloronaphthalene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Acenaphthylene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Acenaphthene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Fluorene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Phenanthrene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Anthracene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Fluoranthene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Pyrene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Chrysene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Benzo(a)anthracene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Benzo(b)fluoranthene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Benzo(k)fluoranthene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Benzo(a)pyrene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	%R	79		Fluorene-d10
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	%R	80		Pyrene-d10
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	%R	88		Benzo(a)pyrene-d12
TO-13A	20220323-25-NW-SAM4	03/23/2022 14:14	03/25/2022 07:59	%R	88		Fluoranthene-d10
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Naphthalene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	2-Methylnaphthalene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	2-Chloronaphthalene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Acenaphthylene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Acenaphthene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Fluorene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Phenanthrene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Anthracene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Fluoranthene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Pyrene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Chrysene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Benzo(a)anthracene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Benzo(b)fluoranthene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Benzo(k)fluoranthene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Benzo(a)pyrene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	%R	76		Fluorene-d10
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	%R	88		Pyrene-d10
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	%R	82		Benzo(a)pyrene-d12
TO-13A	20220323-25-SW-SAM5	03/23/2022 14:13	03/25/2022 07:56	%R	84		Fluoranthene-d10
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Naphthalene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	2-Methylnaphthalene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	2-Chloronaphthalene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	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	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Acenaphthene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Fluorene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Phenanthrene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Anthracene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Fluoranthene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Pyrene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Chrysene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Benzo(a)anthracene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Benzo(b)fluoranthene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Benzo(k)fluoranthene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Benzo(a)pyrene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	%R	80		Fluorene-d10
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	%R	82		Pyrene-d10
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	%R	97		Benzo(a)pyrene-d12
TO-13A	20220323-25-SAM6	03/23/2022 14:25	03/25/2022 08:10	%R	82		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.

Appendix B. Complete Preliminary Lab Result Data

METHOD	Sample		Units	Results	Data Flags	Compound Name
	ID	Start Date/Time				
EPA 325	20220309-23-SE-SAM1	03/23/2022 08:41	µg/m ³	0.20	U	Styrene
EPA 325	20220309-23-SE-SAM1	03/23/2022 08:41	µg/m ³	0.65		Benzene
EPA 325	20220309-23-SE-SAM1	03/23/2022 08:41	µg/m ³	0.97		Toluene
EPA 325	20220309-23-SE-SAM1	03/23/2022 08:41	µg/m ³	0.28	U	Ethyl Benzene
EPA 325	20220309-23-SE-SAM1	03/23/2022 08:41	µg/m ³	0.35	J	m,p-Xylene
EPA 325	20220309-23-SE-SAM1	03/23/2022 08:41	µg/m ³	0.28	U	o-Xylene
EPA 325	20220309-23-NE-SAM2	03/23/2022 08:34	µg/m ³	0.20	U	Styrene
EPA 325	20220309-23-NE-SAM2	03/23/2022 08:34	µg/m ³	0.64		Benzene
EPA 325	20220309-23-NE-SAM2	03/23/2022 08:34	µg/m ³	0.76		Toluene
EPA 325	20220309-23-NE-SAM2	03/23/2022 08:34	µg/m ³	0.28	U	Ethyl Benzene
EPA 325	20220309-23-NE-SAM2	03/23/2022 08:34	µg/m ³	0.30	J	m,p-Xylene
EPA 325	20220309-23-NE-SAM2	03/23/2022 08:34	µg/m ³	0.28	U	o-Xylene
EPA 325	20220309-23-SE-SAM3	03/23/2022 08:41	µg/m ³	0.20	U	Styrene
EPA 325	20220309-23-SE-SAM3	03/23/2022 08:41	µg/m ³	0.70		Benzene
EPA 325	20220309-23-SE-SAM3	03/23/2022 08:41	µg/m ³	1.1		Toluene
EPA 325	20220309-23-SE-SAM3	03/23/2022 08:41	µg/m ³	0.28	U	Ethyl Benzene
EPA 325	20220309-23-SE-SAM3	03/23/2022 08:41	µg/m ³	0.40	J	m,p-Xylene
EPA 325	20220309-23-SE-SAM3	03/23/2022 08:41	µg/m ³	0.28	U	o-Xylene
EPA 325	20220309-23-NW-SAM4	03/23/2022 09:01	µg/m ³	0.20	U	Styrene
EPA 325	20220309-23-NW-SAM4	03/23/2022 09:01	µg/m ³	0.68		Benzene
EPA 325	20220309-23-NW-SAM4	03/23/2022 09:01	µg/m ³	0.74		Toluene
EPA 325	20220309-23-NW-SAM4	03/23/2022 09:01	µg/m ³	0.28	U	Ethyl Benzene
EPA 325	20220309-23-NW-SAM4	03/23/2022 09:01	µg/m ³	0.34	J	m,p-Xylene
EPA 325	20220309-23-NW-SAM4	03/23/2022 09:01	µg/m ³	0.28	U	o-Xylene
EPA 325	20220309-23-SW-SAM5	03/23/2022 08:56	µg/m ³	0.20	U	Styrene
EPA 325	20220309-23-SW-SAM5	03/23/2022 08:56	µg/m ³	0.59		Benzene
EPA 325	20220309-23-SW-SAM5	03/23/2022 08:56	µg/m ³	0.51		Toluene
EPA 325	20220309-23-SW-SAM5	03/23/2022 08:56	µg/m ³	0.28	U	Ethyl Benzene
EPA 325	20220309-23-SW-SAM5	03/23/2022 08:56	µg/m ³	0.28	U	m,p-Xylene
EPA 325	20220309-23-SW-SAM5	03/23/2022 08:56	µg/m ³	0.28	U	o-Xylene
EPA 325	20220309-23-SAM6	03/23/2022 09:05	µg/m ³	0.20	U	Styrene
EPA 325	20220309-23-SAM6	03/23/2022 09:05	µg/m ³	0.19	U	Benzene
EPA 325	20220309-23-SAM6	03/23/2022 09:05	µg/m ³	0.25	U	Toluene
EPA 325	20220309-23-SAM6	03/23/2022 09:05	µg/m ³	0.28	U	Ethyl Benzene
EPA 325	20220309-23-SAM6	03/23/2022 09:05	µg/m ³	0.28	U	m,p-Xylene
EPA 325	20220309-23-SAM6	03/23/2022 09:05	µg/m ³	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.

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Ghana	Senegal
Guyana	Singapore
Hong Kong	South Africa
India	South Korea
Indonesia	Spain
Ireland	Sweden
Italy	Switzerland
Japan	Taiwan
Kazakhstan	Tanzania
Kenya	Thailand
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Mozambique	US
Myanmar	Vietnam

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