

# Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

07 March 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 (PM<sub>10</sub>), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) produced by the excavation. SAMs 1 and 3 were collocated in the southeast corner to provide duplicate measurements for quality control purposes. A meteorological monitoring station was installed to collect wind speed and direction, temperature, and barometric pressure to document atmospheric conditions and to support interpretation of the air quality data. A map showing the monitoring network layout is presented in Figure 1.

**Figure 1: Ameren Champaign 5<sup>th</sup> Street - Monitoring Site Locations**



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

This weekly summary presents the real-time ambient air quality and meteorological data collected from February 23, 2022 through March 1, 2022. The laboratory results that are presented were collected from February 9, 2022 through February 18, 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. No parameters exceeded their corresponding designated action levels over the reporting period. This indicates that there was no significant adverse impact on local air quality. Since there were no exceedances of the action or maximum acceptable exposure levels, there was no need to curtail remediation activities or enhance

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

**Table 1 Reporting Period Air Monitoring Summary<sup>1</sup>**

CONSTITUENTS OF CONCERN, SAMPLING PERIOD, UNITS	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL
Inhalable Particulate Matter (15-min average, µg/m <sup>3</sup> )	2/23/2022 – 3/1/2022	0	73	360
VOC (1-minute average, µg/m <sup>3</sup> )	2/23/2022 – 3/1/2022	0	0.2	156.7
Benzene, Real-time GC (1-minute average µg/m <sup>3</sup> )	2/23/2022 – 3/1/2022	0	NM	156.7
Styrene, Method 325B (14 day sample period, µg/m <sup>3</sup> )	No data reported during this period.			205,000
Benzene, Method 325B (14 day sample period, µg/m <sup>3</sup> )	No data reported during this period.			16.5
Toluene, Method 325B (14 day sample period, µg/m <sup>3</sup> )	No data reported during this period.			23,400
Xylenes (total), Method 325B (14 day sample period, µg/m <sup>3</sup> )	No data reported during this period.			41,000
Ethylbenzene, Method 325B (14 day sample period, µg/m <sup>3</sup> )	No data reported during this period.			59,400
2-methylnaphthalene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/9/2022 – 2/18/2022	0	ND	820
Acenaphthene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/9/2022 – 2/18/2022	0	ND	12,300
Acenaphthylene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/9/2022 – 2/18/2022	0	ND	615
Anthracene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/9/2022 – 2/18/2022	0	ND	615
Benzo(a)anthracene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/9/2022 – 2/18/2022	0	ND	1.54
Benzo(a)pyrene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/9/2022 – 2/18/2022	0	ND	0.154
Benzo(k)fluoranthene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/9/2022 – 2/18/2022	0	ND	15.4
Benzo(b)fluoranthene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/9/2022 – 2/18/2022	0	ND	15.4
Chrysene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/9/2022 – 2/18/2022	0	ND	154

CONSTITUENTS OF CONCERN, SAMPLING PERIOD, UNITS	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL
Dibenzo(a,h)anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/9/2022 – 2/18/2022	0	ND	0.154
Fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/9/2022 – 2/18/2022	0	ND	8,200
Fluorene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/9/2022 – 2/18/2022	0	ND	8,200
Indeno(1,2,3-cd)pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/9/2022 – 2/18/2022	0	ND	1.54
Naphthalene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/9/2022 – 2/18/2022	0	2.5	176
Phenanthrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/9/2022 – 2/18/2022	0	ND	6,150
Pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/9/2022 – 2/18/2022	0	ND	6,150

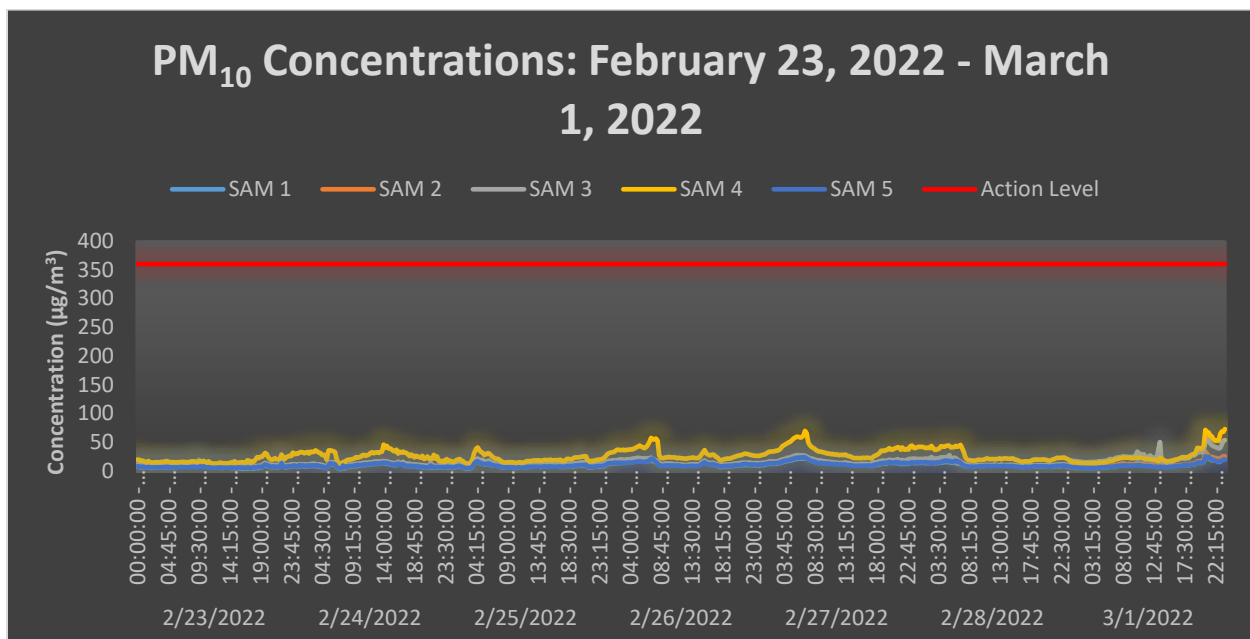
<sup>1</sup>Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

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

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

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

**Figure 2:  $\text{PM}_{10}$  Concentrations**



**APPENDIX A      COMPLETE PRELIMINARY DATA RECORD**



## Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
02/23/2022	00:00:00 - 00:15:00	7	11	11	19	8	3.0	290	-4.7	82	997.8
02/23/2022	00:15:00 - 00:30:00	7	11	11	20	8	3.6	290	-4.8	82	997.9
02/23/2022	00:30:00 - 00:45:00	6	10	10	17	7	3.2	291	-5.0	81	998.2
02/23/2022	00:45:00 - 01:00:00	6	10	10	18	7	3.1	289	-5.2	80	998.5
02/23/2022	01:00:00 - 01:15:00	6	9	9	17	7	2.6	294	-5.3	80	998.6
02/23/2022	01:15:00 - 01:30:00	5	9	9	15	6	2.9	305	-5.3	80	998.9
02/23/2022	01:30:00 - 01:45:00	5	9	9	15	6	2.2	308	-5.4	80	999.0
02/23/2022	01:45:00 - 02:00:00	6	9	9	17	7	3.2	301	-5.7	80	999.2
02/23/2022	02:00:00 - 02:15:00	6	9	9	15	6	2.9	303	-6.1	79	999.5
02/23/2022	02:15:00 - 02:30:00	5	8	8	14	6	2.8	306	-6.3	80	999.7
02/23/2022	02:30:00 - 02:45:00	5	9	9	15	6	2.7	318	-6.4	80	999.9
02/23/2022	02:45:00 - 03:00:00	5	8	8	15	6	2.6	323	-6.6	80	999.9
02/23/2022	03:00:00 - 03:15:00	5	9	9	15	6	2.2	323	-6.5	81	999.7
02/23/2022	03:15:00 - 03:30:00	5	9	9	15	6	2.4	328	-6.5	81	1000.0
02/23/2022	03:30:00 - 03:45:00	5	9	9	15	6	2.5	326	-6.8	81	1000.5
02/23/2022	03:45:00 - 04:00:00	6	9	9	15	6	2.2	331	-7.0	81	1000.8
02/23/2022	04:00:00 - 04:15:00	6	9	9	16	6	2.2	326	-7.1	82	1001.0
02/23/2022	04:15:00 - 04:30:00	6	9	9	16	6	2.7	315	-7.3	81	1001.0
02/23/2022	04:30:00 - 04:45:00	6	9	9	17	7	2.0	317	-7.2	82	1001.3
02/23/2022	04:45:00 - 05:00:00	6	9	9	16	7	2.0	336	-7.2	82	1001.6
02/23/2022	05:00:00 - 05:15:00	6	9	9	15	6	2.1	341	-7.6	81	1001.9
02/23/2022	05:15:00 - 05:30:00	6	9	9	15	6	2.0	331	-7.8	82	1002.5
02/23/2022	05:30:00 - 05:45:00	6	9	9	15	6	2.1	330	-7.8	82	1002.6
02/23/2022	05:45:00 - 06:00:00	5	8	8	15	6	1.9	333	-7.9	82	1002.7
02/23/2022	06:00:00 - 06:15:00	6	9	9	15	6	2.1	334	-7.9	83	1002.9
02/23/2022	06:15:00 - 06:30:00	7	9	9	15	6	2.0	330	-8.1	82	1003.0
02/23/2022	06:30:00 - 06:45:00	8	9	9	15	6	2.3	331	-8.0	82	1003.0
02/23/2022	06:45:00 - 07:00:00	14	9	9	15	6	2.4	337	-7.9	82	1003.2
02/23/2022	07:00:00 - 07:15:00	10	9	9	16	6	2.0	349	-7.7	84	1003.8
02/23/2022	07:15:00 - 07:30:00	9	9	9	15	6	1.7	344	-7.6	83	1003.9
02/23/2022	07:30:00 - 07:45:00	8	9	9	15	6	2.4	344	-7.9	82	1004.3
02/23/2022	07:45:00 - 08:00:00	8	9	9	15	6	1.8	348	-7.9	80	1004.3
02/23/2022	08:00:00 - 08:15:00	8	9	9	16	6	2.2	333	-7.7	79	1004.6
02/23/2022	08:15:00 - 08:30:00	8	9	9	16	7	1.9	339	-7.8	79	1005.0
02/23/2022	08:30:00 - 08:45:00	11	10	10	16	7	2.0	329	-7.8	80	1005.3
02/23/2022	08:45:00 - 09:00:00	9	10	10	17	7	1.8	338	-7.6	81	1005.2
02/23/2022	09:00:00 - 09:15:00	11	9	9	16	7	2.3	328	-7.7	80	1005.5
02/23/2022	09:15:00 - 09:30:00	12	9	9	15	6	1.6	340	-7.3	79	1005.6
02/23/2022	09:30:00 - 09:45:00	19	9	9	16	7	1.6	347	-7.0	79	1005.4
02/23/2022	09:45:00 - 10:00:00	9	9	9	17	8	1.4	358	-6.9	78	1005.0
02/23/2022	10:00:00 - 10:15:00	12	9	9	16	7	1.9	327	-7.0	77	1005.0
02/23/2022	10:15:00 - 10:30:00	7	9	9	17	7	1.6	354	-6.8	79	1003.6
02/23/2022	10:30:00 - 10:45:00	8	9	9	15	6	1.7	342	-6.6	79	1004.9
02/23/2022	10:45:00 - 11:00:00	9	8	8	13	5	1.6	342	-6.4	77	1005.6
02/23/2022	11:00:00 - 11:15:00	7	8	8	17	7	1.5	349	-6.2	76	1005.4
02/23/2022	11:15:00 - 11:30:00	6	8	8	13	6	1.3	341	-6.1	76	1005.7
02/23/2022	11:30:00 - 11:45:00	7	9	9	13	5	1.6	315	-6.2	77	1006.3
02/23/2022	11:45:00 - 12:00:00	5	8	8	13	5	1.6	327	-6.1	78	1006.8
02/23/2022	12:00:00 - 12:15:00	7	8	8	13	6	1.2	347	-5.8	76	1005.9
02/23/2022	12:15:00 - 12:30:00	6	7	7	12	5	1.4	349	-5.5	75	1005.2
02/23/2022	12:30:00 - 12:45:00	9	8	8	13	5	1.6	352	-5.3	74	1004.4
02/23/2022	12:45:00 - 13:00:00	6	8	8	14	6	1.6	1	-5.3	75	1004.0
02/23/2022	13:00:00 - 13:15:00	5	7	7	14	6	1.6	8	-5.1	73	1003.8
02/23/2022	13:15:00 - 13:30:00	5	8	8	13	5	1.6	3	-5.0	73	1003.6
02/23/2022	13:30:00 - 13:45:00	6	8	8	13	5	1.6	4	-4.8	73	1003.6
02/23/2022	13:45:00 - 14:00:00	5	8	8	13	5	1.9	346	-4.9	73	1003.8
02/23/2022	14:00:00 - 14:15:00	5	7	7	13	5	1.3	1	-4.8	73	1004.0
02/23/2022	14:15:00 - 14:30:00	5	8	8	13	5	1.6	356	-4.8	72	1004.1
02/23/2022	14:30:00 - 14:45:00	5	8	8	15	6	1.4	2	-4.7	71	1004.3
02/23/2022	14:45:00 - 15:00:00	5	7	7	12	5	1.3	2	-4.7	71	1004.5
02/23/2022	15:00:00 - 15:15:00	4	7	7	16	6	1.3	22	-4.8	71	1003.9
02/23/2022	15:15:00 - 15:30:00	4	7	7	15	6	1.5	11	-4.9	71	1004.2

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



## Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
02/23/2022	15:30:00 - 15:45:00	5	8	8	13	6	1.3	5	-4.8	72	1004.3
02/23/2022	15:45:00 - 16:00:00	4	8	8	14	6	1.3	14	-4.7	72	1003.9
02/23/2022	16:00:00 - 16:15:00	4	7	7	15	6	1.5	21	-4.9	72	1003.5
02/23/2022	16:15:00 - 16:30:00	4	7	7	15	5	1.5	22	-5.0	71	1003.5
02/23/2022	16:30:00 - 16:45:00	4	8	8	15	6	1.4	18	-4.9	71	1003.9
02/23/2022	16:45:00 - 17:00:00	4	7	7	14	5	1.2	1	-4.8	71	1004.7
02/23/2022	17:00:00 - 17:15:00	4	7	7	18	5	1.3	15	-4.8	70	1004.8
02/23/2022	17:15:00 - 17:30:00	4	7	7	18	5	1.2	26	-4.9	71	1004.8
02/23/2022	17:30:00 - 17:45:00	4	7	7	13	5	1.1	6	-4.7	71	1004.7
02/23/2022	17:45:00 - 18:00:00	4	7	7	16	5	1.3	16	-4.7	70	1004.5
02/23/2022	18:00:00 - 18:15:00	4	7	7	16	6	1.2	7	-4.7	71	1004.4
02/23/2022	18:15:00 - 18:30:00	5	8	8	20	6	1.2	26	-4.8	71	1004.3
02/23/2022	18:30:00 - 18:45:00	5	8	8	24	6	1.3	24	-4.7	72	1004.3
02/23/2022	18:45:00 - 19:00:00	5	8	8	22	7	1.6	22	-4.7	73	1004.4
02/23/2022	19:00:00 - 19:15:00	5	9	9	24	6	2.1	29	-4.8	73	1004.1
02/23/2022	19:15:00 - 19:30:00	6	9	9	25	6	2.2	32	-4.7	73	1003.7
02/23/2022	19:30:00 - 19:45:00	8	12	12	28	9	1.9	44	-4.7	75	1003.5
02/23/2022	19:45:00 - 20:00:00	10	14	14	31	11	2.4	50	-4.9	77	1003.2
02/23/2022	20:00:00 - 20:15:00	9	12	12	29	10	2.9	52	-4.9	74	1003.1
02/23/2022	20:15:00 - 20:30:00	8	11	12	23	9	2.9	69	-5.0	74	1002.9
02/23/2022	20:30:00 - 20:45:00	6	10	10	21	7	2.6	47	-4.9	75	1003.0
02/23/2022	20:45:00 - 21:00:00	6	10	10	19	7	2.0	63	-4.8	77	1002.9
02/23/2022	21:00:00 - 21:15:00	6	10	10	20	8	2.4	62	-5.0	79	1002.8
02/23/2022	21:15:00 - 21:30:00	7	10	10	22	7	2.5	66	-5.0	81	1002.6
02/23/2022	21:30:00 - 21:45:00	6	10	10	20	7	2.5	75	-5.1	83	1002.5
02/23/2022	21:45:00 - 22:00:00	6	9	9	20	7	1.9	57	-5.1	84	1002.3
02/23/2022	22:00:00 - 22:15:00	7	11	9	22	7	1.7	50	-5.0	83	1002.2
02/23/2022	22:15:00 - 22:30:00	12	21	23	28	13	1.8	53	-5.0	83	1002.2
02/23/2022	22:30:00 - 22:45:00	8	10	10	23	7	1.7	43	-5.0	83	1002.5
02/23/2022	22:45:00 - 23:00:00	6	9	9	21	7	1.6	49	-5.0	83	1002.5
02/23/2022	23:00:00 - 23:15:00	6	9	9	24	7	1.5	34	-4.9	83	1002.4
02/23/2022	23:15:00 - 23:30:00	7	10	10	25	8	1.7	34	-5.0	84	1002.4
02/23/2022	23:30:00 - 23:45:00	7	10	10	26	8	1.5	50	-5.1	86	1002.4
02/24/2022	23:45:00 - 00:00:00	7	11	11	26	8	1.6	48	-5.2	88	1002.3
02/24/2022	00:00:00 - 00:15:00	8	11	11	32	9	1.2	36	-5.2	90	1002.3
02/24/2022	00:15:00 - 00:30:00	8	12	12	29	9	1.5	42	-5.2	92	1002.3
02/24/2022	00:30:00 - 00:45:00	7	11	11	30	8	1.9	46	-5.3	92	1002.0
02/24/2022	00:45:00 - 01:00:00	7	10	10	30	8	1.5	29	-5.1	91	1001.9
02/24/2022	01:00:00 - 01:15:00	8	12	12	32	10	0.9	20	-5.0	92	1002.0
02/24/2022	01:15:00 - 01:30:00	8	11	11	33	10	1.2	21	-5.0	93	1001.8
02/24/2022	01:30:00 - 01:45:00	8	11	11	32	9	1.2	27	-5.0	93	1001.7
02/24/2022	01:45:00 - 02:00:00	9	11	11	31	9	1.6	32	-5.0	94	1001.6
02/24/2022	02:00:00 - 02:15:00	7	11	11	31	9	1.0	21	-5.0	94	1001.7
02/24/2022	02:15:00 - 02:30:00	8	11	11	33	9	1.1	28	-5.0	94	1001.4
02/24/2022	02:30:00 - 02:45:00	7	11	11	30	8	1.7	40	-5.0	93	1001.0
02/24/2022	02:45:00 - 03:00:00	8	12	11	33	9	1.0	27	-4.9	94	1001.0
02/24/2022	03:00:00 - 03:15:00	8	12	12	33	10	1.1	30	-4.9	94	1000.9
02/24/2022	03:15:00 - 03:30:00	8	12	12	33	9	1.7	31	-4.9	94	1000.7
02/24/2022	03:30:00 - 03:45:00	8	12	12	36	10	1.5	25	-4.9	94	1000.6
02/24/2022	03:45:00 - 04:00:00	8	11	11	34	9	1	29	-5	94	1001
02/24/2022	04:00:00 - 04:15:00	7	11	11	32	9	2	33	-5	95	1001
02/24/2022	04:15:00 - 04:30:00	7	11	11	31	9	1	31	-5	95	1001
02/24/2022	04:30:00 - 04:45:00	7	10	10	28	8	2	38	-5	94	1001
02/24/2022	04:45:00 - 05:00:00	6	9	10	27	7	2	34	-5	94	1001
02/24/2022	05:00:00 - 05:15:00	5	8	8	28	6	2	40	-4	94	1001
02/24/2022	05:15:00 - 05:30:00	4	6	6	20	4	2	40	-4	92	1001
02/24/2022	05:30:00 - 05:45:00	10	13	12	35	10	2	26	-4	92	1001
02/24/2022	05:45:00 - 06:00:00	11	15	15	35	13	2	24	-5	92	1000
02/24/2022	06:00:00 - 06:15:00	11	15	15	35	12	2	26	-5	92	1000
02/24/2022	06:15:00 - 06:30:00	11	15	15	34	12	2	35	-5	92	1000
02/24/2022	06:30:00 - 06:45:00	11	14	14	33	11	2	39	-4	92	1000
02/24/2022	06:45:00 - 07:00:00	6	9	9	20	7	2	48	-4	90	999

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



## Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{C}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
02/24/2022	07:00:00 - 07:15:00	4	7	7	14	4	2	56	-4	88	999
02/24/2022	07:15:00 - 07:30:00	3	6	7	12	4	3	59	-4	86	999
02/24/2022	07:30:00 - 07:45:00	3	7	7	12	4	3	64	-4	85	999
02/24/2022	07:45:00 - 08:00:00	7	7	7	15	9	2	65	-4	86	999
02/24/2022	08:00:00 - 08:15:00	4	8	8	15	6	3	72	-4	86	999
02/24/2022	08:15:00 - 08:30:00	6	10	10	18	7	4	81	-4	86	999
02/24/2022	08:30:00 - 08:45:00	7	10	10	20	8	3	75	-3	86	999
02/24/2022	08:45:00 - 09:00:00	7	10	10	19	8	4	83	-3	86	999
02/24/2022	09:00:00 - 09:15:00	7	11	11	20	8	3.0	76	-3.2	86	998.9
02/24/2022	09:15:00 - 09:30:00	7	11	11	20	8	3.3	79	-3.2	86	999.0
02/24/2022	09:30:00 - 09:45:00	8	12	11	22	9	2.4	84	-3.0	86	999.2
02/24/2022	09:45:00 - 10:00:00	8	12	12	24	9	2.5	85	-2.8	86	999.3
02/24/2022	10:00:00 - 10:15:00	9	12	12	23	10	2.6	91	-2.8	86	999.6
02/24/2022	10:15:00 - 10:30:00	9	12	12	24	10	2.2	94	-2.8	87	999.9
02/24/2022	10:30:00 - 10:45:00	9	13	13	25	10	1.9	77	-2.7	89	999.8
02/24/2022	10:45:00 - 11:00:00	10	13	13	27	11	2.1	73	-2.8	90	999.2
02/24/2022	11:00:00 - 11:15:00	10	14	14	28	11	2.7	75	-2.8	91	998.0
02/24/2022	11:15:00 - 11:30:00	10	14	14	26	11	3.5	85	-2.6	91	996.8
02/24/2022	11:30:00 - 11:45:00	10	14	14	27	11	3.2	87	-2.4	89	996.5
02/24/2022	11:45:00 - 12:00:00	11	14	14	29	12	3.0	83	-2.4	88	996.7
02/24/2022	12:00:00 - 12:15:00	11	14	14	31	12	3.2	69	-2.3	88	994.3
02/24/2022	12:15:00 - 12:30:00	11	15	15	32	12	1.6	67	-2.2	88	996.1
02/24/2022	12:30:00 - 12:45:00	12	15	15	30	13	2.1	87	-2.2	87	996.7
02/24/2022	12:45:00 - 13:00:00	12	16	16	32	13	2.1	73	-2.3	89	995.4
02/24/2022	13:00:00 - 13:15:00	12	16	16	32	13	2.4	89	-2.4	91	995.0
02/24/2022	13:15:00 - 13:30:00	12	16	16	31	13	2.6	92	-2.4	91	994.7
02/24/2022	13:30:00 - 13:45:00	12	16	16	33	13	2.7	89	-2.6	93	994.5
02/24/2022	13:45:00 - 14:00:00	13	17	17	33	14	1.0	99	-2.6	94	995.9
02/24/2022	14:00:00 - 14:15:00	13	17	17	46	14	1.3	62	-2.4	94	995.3
02/24/2022	14:15:00 - 14:30:00	13	17	17	40	14	1.3	59	-2.5	94	995.3
02/24/2022	14:30:00 - 14:45:00	13	16	16	43	14	1.7	41	-2.5	95	995.1
02/24/2022	14:45:00 - 15:00:00	12	15	15	39	13	2.1	65	-2.6	97	994.7
02/24/2022	15:00:00 - 15:15:00	11	14	14	39	12	2.0	61	-2.7	98	994.3
02/24/2022	15:15:00 - 15:30:00	11	14	14	37	11	2.2	48	-2.7	98	993.7
02/24/2022	15:30:00 - 15:45:00	10	13	13	34	11	2.6	46	-2.7	98	992.9
02/24/2022	15:45:00 - 16:00:00	10	13	13	34	11	2.2	49	-2.6	98	992.7
02/24/2022	16:00:00 - 16:15:00	9	13	13	37	10	1.7	50	-2.6	98	993.2
02/24/2022	16:15:00 - 16:30:00	13	16	16	30	12	2.0	49	-2.8	98	993.3
02/24/2022	16:30:00 - 16:45:00	14	12	12	33	11	2.2	45	-2.7	98	993.3
02/24/2022	16:45:00 - 17:00:00	11	13	13	32	11	2.1	59	-2.8	98	993.1
02/24/2022	17:00:00 - 17:15:00	10	15	15	33	11	2.1	60	-2.9	99	993.1
02/24/2022	17:15:00 - 17:30:00	9	12	13	31	10	2.4	68	-3.0	98	993.0
02/24/2022	17:30:00 - 17:45:00	8	12	12	31	9	2.4	68	-3.0	99	993.0
02/24/2022	17:45:00 - 18:00:00	8	12	12	29	9	2.2	74	-3.0	99	992.8
02/24/2022	18:00:00 - 18:15:00	8	12	12	25	9	3.1	76	-3.0	99	992.5
02/24/2022	18:15:00 - 18:30:00	8	11	11	28	9	2.2	76	-3.0	99	992.6
02/24/2022	18:30:00 - 18:45:00	8	11	11	27	8	2.5	78	-3.1	99	992.5
02/24/2022	18:45:00 - 19:00:00	8	11	11	24	8	2.4	75	-3.1	99	992.6
02/24/2022	19:00:00 - 19:15:00	8	11	11	26	8	2.2	81	-3.1	99	992.3
02/24/2022	19:15:00 - 19:30:00	7	10	10	25	8	2.0	80	-3.0	99	992.1
02/24/2022	19:30:00 - 19:45:00	7	10	10	24	7	2.7	65	-3.1	99	992.1
02/24/2022	19:45:00 - 20:00:00	7	10	10	23	7	2.7	73	-3.1	99	992.1
02/24/2022	20:00:00 - 20:15:00	6	10	10	26	7	3.2	74	-3.1	99	991.8
02/24/2022	20:15:00 - 20:30:00	6	9	9	21	7	2.9	70	-3.0	99	991.6
02/24/2022	20:30:00 - 20:45:00	6	9	9	22	6	2.8	64	-3.0	99	991.7
02/24/2022	20:45:00 - 21:00:00	5	8	8	25	6	2.4	65	-3.0	99	991.8
02/24/2022	21:00:00 - 21:15:00	5	8	8	21	6	2.6	23	-3.0	99	991.7
02/24/2022	21:15:00 - 21:30:00	8	14	13	21	10	19.9	325	-3.0	99	991.7
02/24/2022	21:30:00 - 21:45:00	5	10	10	21	6	19.5	325	-3.0	99	991.5
02/24/2022	21:45:00 - 22:00:00	6	9	9	28	6	20.2	324	-3.0	99	991.4
02/24/2022	22:00:00 - 22:15:00	6	8	9	21	7	20.1	322	-2.9	99	991.4
02/24/2022	22:15:00 - 22:30:00	6	9	9	25	6	20.0	322	-2.9	99	991.5

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

## Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
02/24/2022	22:30:00 - 22:45:00	6	9	9	17	6	20.2	321	-2.8	99	991.6
02/24/2022	22:45:00 - 23:00:00	6	10	10	17	6	20.4	321	-2.7	99	991.7
02/24/2022	23:00:00 - 23:15:00	6	9	9	16	6	20.4	321	-2.7	99	991.7
02/24/2022	23:15:00 - 23:30:00	6	10	10	18	7	20.5	321	-2.6	99	991.6
02/24/2022	23:30:00 - 23:45:00	5	9	9	16	6	20.8	321	-2.8	99	991.9
02/25/2022	23:45:00 - 00:00:00	6	10	10	21	7	20.4	321	-2.7	99	991.5
02/25/2022	00:00:00 - 00:15:00	6	11	11	17	7	20.7	319	-2.8	99	991.9
02/25/2022	00:15:00 - 00:30:00	6	11	11	18	7	21.2	319	-2.8	99	992.4
02/25/2022	00:30:00 - 00:45:00	6	11	11	16	6	20.9	320	-2.9	99	992.5
02/25/2022	00:45:00 - 01:00:00	5	10	11	15	6	21.2	319	-3.0	99	992.6
02/25/2022	01:00:00 - 01:15:00	6	10	10	17	7	21.1	320	-3.1	99	992.9
02/25/2022	01:15:00 - 01:30:00	7	11	11	19	8	21.6	319	-3.2	99	992.9
02/25/2022	01:30:00 - 01:45:00	7	12	12	20	8	21.6	319	-3.3	99	993.1
02/25/2022	01:45:00 - 02:00:00	8	11	12	20	8	21.5	319	-3.3	99	993.4
02/25/2022	02:00:00 - 02:15:00	6	11	11	18	7	21.5	319	-3.3	99	993.5
02/25/2022	02:15:00 - 02:30:00	6	11	10	17	7	21.6	319	-3.3	98	993.7
02/25/2022	02:30:00 - 02:45:00	5	9	10	14	6	21.4	319	-3.3	98	993.9
02/25/2022	02:45:00 - 03:00:00	4	9	9	12	5	21.6	319	-3.3	97	994.1
02/25/2022	03:00:00 - 03:15:00	4	10	10	13	5	21.3	318	-3.3	97	994.5
02/25/2022	03:15:00 - 03:30:00	4	9	10	13	5	21.7	319	-3.3	97	994.7
02/25/2022	03:30:00 - 03:45:00	5	11	10	15	6	21.6	319	-3.2	97	995.1
02/25/2022	03:45:00 - 04:00:00	7	13	12	20	8	21.7	319	-3.2	97	995.5
02/25/2022	04:00:00 - 04:15:00	12	18	17	31	13	21.8	318	-3.4	96	995.8
02/25/2022	04:15:00 - 04:30:00	15	20	20	38	16	21.5	318	-3.5	96	996.2
02/25/2022	04:30:00 - 04:45:00	16	21	21	40	17	21.8	319	-3.6	96	996.8
02/25/2022	04:45:00 - 05:00:00	14	19	20	36	15	22.2	320	-3.8	95	997.4
02/25/2022	05:00:00 - 05:15:00	13	17	17	33	13	21.6	320	-4.2	95	997.7
02/25/2022	05:15:00 - 05:30:00	12	19	19	32	13	21.6	319	-4.3	95	998.1
02/25/2022	05:30:00 - 05:45:00	11	15	16	28	12	21.5	318	-4.5	95	998.5
02/25/2022	05:45:00 - 06:00:00	11	15	15	28	12	21.7	319	-4.6	95	999.1
02/25/2022	06:00:00 - 06:15:00	12	17	16	31	13	21.7	319	-4.6	95	999.5
02/25/2022	06:15:00 - 06:30:00	12	18	18	31	13	21.4	318	-4.6	95	999.7
02/25/2022	06:30:00 - 06:45:00	11	15	15	28	12	21.7	319	-4.6	94	1000.1
02/25/2022	06:45:00 - 07:00:00	9	14	14	25	10	22.0	318	-4.8	94	1000.3
02/25/2022	07:00:00 - 07:15:00	10	13	13	23	9	21.9	317	-4.9	93	1000.6
02/25/2022	07:15:00 - 07:30:00	10	12	12	21	9	21.6	317	-5.0	93	1000.8
02/25/2022	07:30:00 - 07:45:00	9	12	12	21	9	21.1	317	-5.0	93	1001.1
02/25/2022	07:45:00 - 08:00:00	8	11	12	21	8	21.3	317	-4.8	92	1001.5
02/25/2022	08:00:00 - 08:15:00	7	10	10	18	7	21.1	317	-4.8	91	1001.9
02/25/2022	08:15:00 - 08:30:00	6	10	10	16	7	21.5	317	-4.8	90	1002.3
02/25/2022	08:30:00 - 08:45:00	5	9	9	14	6	21.8	318	-4.9	90	1002.5
02/25/2022	08:45:00 - 09:00:00	6	9	9	15	6	21.7	319	-5.2	90	1002.6
02/25/2022	09:00:00 - 09:15:00	6	9	9	15	6	21.7	317	-5.3	89	1002.8
02/25/2022	09:15:00 - 09:30:00	6	9	9	15	6	21.6	318	-5.2	89	1003.0
02/25/2022	09:30:00 - 09:45:00	7	9	9	15	6	21.5	317	-4.8	88	1003.3
02/25/2022	09:45:00 - 10:00:00	6	9	9	15	6	21.7	317	-4.5	86	1003.5
02/25/2022	10:00:00 - 10:15:00	6	9	9	15	6	21.4	317	-4.7	87	1003.6
02/25/2022	10:15:00 - 10:30:00	5	8	8	14	6	21.9	318	-5.0	88	1004.0
02/25/2022	10:30:00 - 10:45:00	5	8	8	14	5	21.6	317	-5.2	88	1004.2
02/25/2022	10:45:00 - 11:00:00	6	8	8	14	6	21.4	318	-5.0	88	1004.5
02/25/2022	11:00:00 - 11:15:00	5	9	9	15	6	19.9	317	-5.0	87	1004.7
02/25/2022	11:15:00 - 11:30:00	6	9	9	15	6	1.6	301	-4.9	87	1005.0
02/25/2022	11:30:00 - 11:45:00	5	9	9	14	5	1.8	306	-4.8	87	1004.9
02/25/2022	11:45:00 - 12:00:00	6	9	9	15	6	1.3	327	-4.4	86	1004.8
02/25/2022	12:00:00 - 12:15:00	6	10	10	17	6	1.7	317	-4.4	86	1004.7
02/25/2022	12:15:00 - 12:30:00	7	10	10	17	7	1.3	318	-4.4	87	1004.9
02/25/2022	12:30:00 - 12:45:00	7	10	10	17	6	1.8	314	-4.2	86	1004.9
02/25/2022	12:45:00 - 13:00:00	7	10	10	17	7	1.7	316	-4.3	86	1004.9
02/25/2022	13:00:00 - 13:15:00	7	10	10	18	7	1.6	317	-4.2	86	1004.9
02/25/2022	13:15:00 - 13:30:00	7	10	10	18	7	1.0	316	-3.9	86	1004.9
02/25/2022	13:30:00 - 13:45:00	8	10	10	18	7	1.5	318	-3.9	85	1004.9
02/25/2022	13:45:00 - 14:00:00	8	11	11	18	7	1.1	320	-3.7	85	1004.9

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

## Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{C}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
02/25/2022	14:00:00 - 14:15:00	7	10	10	18	7	0.9	298	-3.6	85	1005.1
02/25/2022	14:15:00 - 14:30:00	7	11	11	17	7	1.2	299	-3.8	84	1005.1
02/25/2022	14:30:00 - 14:45:00	7	10	10	18	7	0.8	310	-3.7	85	1005.3
02/25/2022	14:45:00 - 15:00:00	7	11	11	19	7	0.9	319	-3.6	85	1005.3
02/25/2022	15:00:00 - 15:15:00	7	11	10	19	7	1.1	314	-3.6	85	1005.4
02/25/2022	15:15:00 - 15:30:00	7	11	11	18	7	1.2	302	-3.7	84	1005.4
02/25/2022	15:30:00 - 15:45:00	8	11	11	19	8	1.0	314	-3.6	85	1005.5
02/25/2022	15:45:00 - 16:00:00	7	11	11	19	8	1.0	307	-3.7	84	1005.6
02/25/2022	16:00:00 - 16:15:00	7	11	11	19	7	1.1	301	-3.8	84	1005.7
02/25/2022	16:15:00 - 16:30:00	7	10	11	18	7	1.1	317	-3.6	83	1005.8
02/25/2022	16:30:00 - 16:45:00	7	11	10	19	7	1.0	319	-3.7	84	1005.9
02/25/2022	16:45:00 - 17:00:00	7	11	11	19	7	0.8	316	-3.6	84	1006.0
02/25/2022	17:00:00 - 17:15:00	7	12	11	19	8	0.6	305	-3.8	84	1006.0
02/25/2022	17:15:00 - 17:30:00	7	11	11	19	8	0.5	321	-3.7	85	1006.1
02/25/2022	17:30:00 - 17:45:00	6	10	10	17	7	0.4	324	-3.8	86	1006.3
02/25/2022	17:45:00 - 18:00:00	7	10	10	17	7	0.3	312	-3.8	86	1006.4
02/25/2022	18:00:00 - 18:15:00	7	11	11	18	7	0.6	306	-3.8	86	1006.4
02/25/2022	18:15:00 - 18:30:00	7	11	11	20	8	0.7	297	-4.0	87	1006.3
02/25/2022	18:30:00 - 18:45:00	8	12	12	21	8	0.7	309	-4.2	88	1006.4
02/25/2022	18:45:00 - 19:00:00	7	11	12	20	8	0.7	289	-4.1	87	1006.6
02/25/2022	19:00:00 - 19:15:00	8	12	11	20	8	0.8	289	-4.0	85	1006.8
02/25/2022	19:15:00 - 19:30:00	8	13	12	22	9	1.0	295	-4.2	85	1006.9
02/25/2022	19:30:00 - 19:45:00	9	13	13	23	9	1.0	277	-4.3	86	1006.9
02/25/2022	19:45:00 - 20:00:00	9	13	13	23	9	0.8	280	-4.4	86	1007.0
02/25/2022	20:00:00 - 20:15:00	9	13	13	23	9	1.0	300	-4.4	87	1006.8
02/25/2022	20:15:00 - 20:30:00	9	14	14	24	10	1.2	299	-4.5	87	1006.8
02/25/2022	20:30:00 - 20:45:00	9	14	14	24	10	1.3	301	-4.5	87	1006.8
02/25/2022	20:45:00 - 21:00:00	9	15	14	25	10	0.9	298	-4.7	87	1007.0
02/25/2022	21:00:00 - 21:15:00	10	15	15	25	11	1.0	297	-4.8	87	1007.2
02/25/2022	21:15:00 - 21:30:00	9	13	14	25	10	1.0	304	-4.8	88	1007.3
02/25/2022	21:30:00 - 21:45:00	6	10	10	17	7	1.0	325	-4.9	85	1007.3
02/25/2022	21:45:00 - 22:00:00	6	10	10	17	7	1.1	326	-4.9	84	1007.3
02/25/2022	22:00:00 - 22:15:00	6	10	10	17	7	1.1	320	-5.0	83	1007.3
02/25/2022	22:15:00 - 22:30:00	6	10	10	17	7	0.8	325	-5.1	83	1007.2
02/25/2022	22:30:00 - 22:45:00	7	10	11	18	7	0.8	309	-5.2	83	1007.3
02/25/2022	22:45:00 - 23:00:00	7	11	11	18	8	0.8	316	-5.3	82	1007.3
02/25/2022	23:00:00 - 23:15:00	7	11	11	19	8	0.7	307	-5.5	83	1007.3
02/25/2022	23:15:00 - 23:30:00	7	11	11	19	8	1.0	305	-5.4	83	1007.4
02/25/2022	23:30:00 - 23:45:00	7	11	11	20	8	0.9	316	-5.5	84	1007.3
02/26/2022	23:45:00 - 00:00:00	7	12	12	21	8	0.9	312	-5.6	85	1007.3
02/26/2022	00:00:00 - 00:15:00	8	13	12	22	9	0.8	304	-5.8	86	1007.1
02/26/2022	00:15:00 - 00:30:00	10	15	14	25	11	0.8	307	-6.0	88	1007.0
02/26/2022	00:30:00 - 00:45:00	11	16	16	29	12	0.7	312	-6.2	90	1007.2
02/26/2022	00:45:00 - 01:00:00	12	17	17	31	13	0.7	311	-6.4	91	1007.2
02/26/2022	01:00:00 - 01:15:00	12	17	17	32	13	0.8	302	-6.5	91	1007.2
02/26/2022	01:15:00 - 01:30:00	12	18	18	32	13	0.6	313	-6.7	89	1007.4
02/26/2022	01:30:00 - 01:45:00	12	18	18	33	14	0.7	308	-6.9	90	1007.3
02/26/2022	01:45:00 - 02:00:00	13	18	18	34	14	0.7	315	-7.0	90	1007.3
02/26/2022	02:00:00 - 02:15:00	13	18	18	36	14	1.2	305	-7.1	89	1007.2
02/26/2022	02:15:00 - 02:30:00	13	19	19	36	14	0.9	309	-7.3	89	1007.1
02/26/2022	02:30:00 - 02:45:00	14	20	19	36	14	0.9	310	-7.5	89	1007.0
02/26/2022	02:45:00 - 03:00:00	14	20	20	36	14	0.9	306	-7.7	90	1006.9
02/26/2022	03:00:00 - 03:15:00	14	19	19	36	14	0.9	312	-7.8	90	1006.8
02/26/2022	03:15:00 - 03:30:00	14	19	19	35	14	0.8	313	-8.0	91	1006.9
02/26/2022	03:30:00 - 03:45:00	14	20	20	36	14	0.8	324	-8.2	91	1007.0
02/26/2022	03:45:00 - 04:00:00	14	20	20	37	14	0.7	326	-8.3	92	1007.0
02/26/2022	04:00:00 - 04:15:00	15	20	20	37	14	0.7	345	-8.6	92	1007.2
02/26/2022	04:15:00 - 04:30:00	15	21	20	37	14	0.7	331	-8.7	92	1007.2
02/26/2022	04:30:00 - 04:45:00	15	21	21	38	15	0.6	335	-8.9	92	1007.2
02/26/2022	04:45:00 - 05:00:00	16	22	22	39	15	0.6	326	-9.0	93	1007.3
02/26/2022	05:00:00 - 05:15:00	16	22	22	41	16	0.4	334	-9.1	93	1007.4
02/26/2022	05:15:00 - 05:30:00	17	22	22	42	16	0.6	332	-9.0	93	1007.5

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

## Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{C}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
02/26/2022	05:30:00 - 05:45:00	17	22	22	44	17	0.6	337	-9.0	93	1007.3
02/26/2022	05:45:00 - 06:00:00	16	21	21	42	16	0.5	340	-9.2	93	1007.2
02/26/2022	06:00:00 - 06:15:00	16	22	21	41	16	0.5	346	-9.4	93	1007.2
02/26/2022	06:15:00 - 06:30:00	16	21	21	40	15	0.5	340	-9.5	94	1007.2
02/26/2022	06:30:00 - 06:45:00	16	22	22	41	16	0.6	344	-9.5	94	1007.2
02/26/2022	06:45:00 - 07:00:00	17	21	21	44	17	0.4	359	-9.3	94	1007.1
02/26/2022	07:00:00 - 07:15:00	17	22	22	50	18	0.5	342	-9.1	94	1007.3
02/26/2022	07:15:00 - 07:30:00	18	22	23	58	21	0.7	326	-8.2	93	1007.3
02/26/2022	07:30:00 - 07:45:00	17	21	21	55	21	0.5	325	-6.6	89	1007.2
02/26/2022	07:45:00 - 08:00:00	16	19	19	55	18	0.5	330	-5.4	83	1007.5
02/26/2022	08:00:00 - 08:15:00	15	18	18	56	16	0.4	281	-4.7	78	1007.6
02/26/2022	08:15:00 - 08:30:00	13	15	16	52	13	0.3	260	-4.1	74	1007.7
02/26/2022	08:30:00 - 08:45:00	10	12	13	27	10	0.8	306	-3.8	69	1007.7
02/26/2022	08:45:00 - 09:00:00	9	12	12	22	9	1.1	319	-4.1	68	1007.7
02/26/2022	09:00:00 - 09:15:00	9	12	12	22	9	0.2	243	-3.1	66	1007.8
02/26/2022	09:15:00 - 09:30:00	9	12	12	22	9	0.4	6	-2.3	63	1007.6
02/26/2022	09:30:00 - 09:45:00	9	12	12	23	9	0.9	323	-2.5	63	1007.5
02/26/2022	09:45:00 - 10:00:00	9	12	12	23	9	0.7	315	-2.8	64	1007.2
02/26/2022	10:00:00 - 10:15:00	10	12	12	24	9	0.5	339	-2.1	64	1007.1
02/26/2022	10:15:00 - 10:30:00	10	12	12	23	9	0.8	346	-1.9	63	1007.1
02/26/2022	10:30:00 - 10:45:00	10	12	12	24	9	0.1	125	-0.5	60	1007.0
02/26/2022	10:45:00 - 11:00:00	10	11	11	23	9	0.3	131	-0.4	57	1007.0
02/26/2022	11:00:00 - 11:15:00	10	11	11	24	10	0.0	334	-0.2	57	1006.9
02/26/2022	11:15:00 - 11:30:00	9	11	11	22	9	0.9	188	-0.4	56	1006.8
02/26/2022	11:30:00 - 11:45:00	10	11	11	23	9	1.1	204	-1.3	62	1006.9
02/26/2022	11:45:00 - 12:00:00	9	11	11	22	9	0.9	185	-1.2	62	1006.8
02/26/2022	12:00:00 - 12:15:00	9	10	10	22	8	0.9	218	-1.1	61	1006.6
02/26/2022	12:15:00 - 12:30:00	9	10	10	22	8	0.6	213	-0.9	61	1006.2
02/26/2022	12:30:00 - 12:45:00	8	10	10	21	8	0.8	210	-0.9	60	1006.0
02/26/2022	12:45:00 - 13:00:00	9	10	10	21	8	0.9	233	-0.7	61	1005.7
02/26/2022	13:00:00 - 13:15:00	9	11	11	22	8	0.8	214	-0.4	62	1005.6
02/26/2022	13:15:00 - 13:30:00	9	11	11	22	8	0.8	207	-0.2	62	1005.4
02/26/2022	13:30:00 - 13:45:00	9	11	11	23	9	0.9	217	-0.4	64	1005.1
02/26/2022	13:45:00 - 14:00:00	10	12	12	23	9	0.8	206	0.0	64	1004.9
02/26/2022	14:00:00 - 14:15:00	9	11	11	22	8	1.2	201	-0.3	64	1004.7
02/26/2022	14:15:00 - 14:30:00	9	11	11	22	8	1.0	196	0.4	63	1004.5
02/26/2022	14:30:00 - 14:45:00	9	11	11	22	8	0.5	212	0.2	64	1004.4
02/26/2022	14:45:00 - 15:00:00	10	12	12	24	9	0.6	221	0.6	64	1004.2
02/26/2022	15:00:00 - 15:15:00	12	15	14	28	12	1.5	191	0.2	66	1004.2
02/26/2022	15:15:00 - 15:30:00	13	16	16	32	13	1.1	194	0.1	67	1004.2
02/26/2022	15:30:00 - 15:45:00	15	18	18	36	15	0.7	201	0.1	66	1004.2
02/26/2022	15:45:00 - 16:00:00	13	15	15	30	13	0.6	206	-0.1	67	1004.3
02/26/2022	16:00:00 - 16:15:00	12	14	14	28	12	0.8	208	-0.4	69	1004.2
02/26/2022	16:15:00 - 16:30:00	11	13	13	27	11	0.9	193	-0.6	69	1004.1
02/26/2022	16:30:00 - 16:45:00	10	13	13	27	11	1.4	187	-0.7	70	1004.0
02/26/2022	16:45:00 - 17:00:00	11	14	14	28	12	1.2	196	-0.7	71	1003.7
02/26/2022	17:00:00 - 17:15:00	11	13	13	28	11	1.5	197	-0.9	73	1003.6
02/26/2022	17:15:00 - 17:30:00	9	12	12	25	10	1.4	201	-1.3	73	1003.4
02/26/2022	17:30:00 - 17:45:00	9	11	11	23	9	1.0	197	-1.5	74	1003.2
02/26/2022	17:45:00 - 18:00:00	7	10	10	20	8	0.9	193	-1.7	73	1003.0
02/26/2022	18:00:00 - 18:15:00	6	9	9	18	7	1.1	189	-1.7	73	1003.1
02/26/2022	18:15:00 - 18:30:00	7	10	10	19	8	1.0	201	-1.8	75	1002.9
02/26/2022	18:30:00 - 18:45:00	7	10	10	20	8	1.2	200	-1.9	76	1002.7
02/26/2022	18:45:00 - 19:00:00	7	11	11	20	8	1.4	192	-1.9	75	1002.6
02/26/2022	19:00:00 - 19:15:00	8	11	11	22	9	1.5	200	-1.8	75	1002.3
02/26/2022	19:15:00 - 19:30:00	8	11	11	21	9	1.2	206	-1.9	75	1002.1
02/26/2022	19:30:00 - 19:45:00	8	11	11	22	9	1.0	200	-2.0	75	1001.8
02/26/2022	19:45:00 - 20:00:00	8	12	12	23	9	1.0	197	-2.0	76	1001.6
02/26/2022	20:00:00 - 20:15:00	8	12	12	24	9	1.1	197	-2.1	77	1001.4
02/26/2022	20:15:00 - 20:30:00	9	12	12	25	10	1.0	204	-2.1	78	1001.2
02/26/2022	20:30:00 - 20:45:00	9	13	13	26	10	1.0	199	-2.2	79	1001.2
02/26/2022	20:45:00 - 21:00:00	9	13	13	27	10	1.2	205	-2.2	80	1001.3

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

## Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
02/26/2022	21:00:00 - 21:15:00	9	13	13	27	10	1.0	198	-2.4	82	1001.2
02/26/2022	21:15:00 - 21:30:00	10	14	14	28	11	1.2	207	-2.5	83	1001.2
02/26/2022	21:30:00 - 21:45:00	10	14	14	29	12	1.3	198	-2.5	83	1001.2
02/26/2022	21:45:00 - 22:00:00	11	14	14	30	12	1.2	195	-2.5	84	1001.2
02/26/2022	22:00:00 - 22:15:00	10	14	14	29	11	1.4	194	-2.4	83	1001.1
02/26/2022	22:15:00 - 22:30:00	10	14	14	29	11	1.1	195	-2.4	83	1001.1
02/26/2022	22:30:00 - 22:45:00	10	14	14	28	11	0.9	198	-2.4	83	1001.1
02/26/2022	22:45:00 - 23:00:00	10	13	13	27	11	0.7	198	-2.4	82	1001.0
02/26/2022	23:00:00 - 23:15:00	10	13	13	27	11	0.8	202	-2.3	81	1001.0
02/26/2022	23:15:00 - 23:30:00	10	13	13	26	11	0.8	200	-2.4	81	1000.9
02/26/2022	23:30:00 - 23:45:00	10	13	13	26	11	0.9	221	-2.4	81	1000.7
02/27/2022	23:45:00 - 00:00:00	10	13	13	26	10	0.6	215	-2.4	81	1000.6
02/27/2022	00:00:00 - 00:15:00	10	13	13	26	11	0.5	229	-2.5	81	1000.4
02/27/2022	00:15:00 - 00:30:00	10	13	13	27	11	0.6	216	-2.6	82	1000.3
02/27/2022	00:30:00 - 00:45:00	10	14	14	28	11	0.5	225	-2.7	83	1000.2
02/27/2022	00:45:00 - 01:00:00	10	14	14	29	11	0.5	224	-2.7	84	1000.1
02/27/2022	01:00:00 - 01:15:00	11	15	14	30	12	0.4	247	-2.9	85	1000.0
02/27/2022	01:15:00 - 01:30:00	11	15	15	32	13	0.3	234	-3.0	86	999.9
02/27/2022	01:30:00 - 01:45:00	12	16	16	33	13	0.8	243	-3.0	87	999.8
02/27/2022	01:45:00 - 02:00:00	12	16	16	33	13	0.4	248	-2.9	86	999.6
02/27/2022	02:00:00 - 02:15:00	12	16	16	34	13	0.4	252	-2.9	86	999.6
02/27/2022	02:15:00 - 02:30:00	12	16	16	34	13	0.4	243	-2.9	86	999.4
02/27/2022	02:30:00 - 02:45:00	12	16	16	35	14	0.5	245	-3.0	86	999.3
02/27/2022	02:45:00 - 03:00:00	13	17	16	35	14	0.5	271	-3.0	86	999.1
02/27/2022	03:00:00 - 03:15:00	13	17	17	37	14	0.6	266	-3.0	86	999.0
02/27/2022	03:15:00 - 03:30:00	14	19	18	39	15	0.9	280	-3.1	87	998.9
02/27/2022	03:30:00 - 03:45:00	15	20	20	43	16	0.9	278	-2.8	86	998.9
02/27/2022	03:45:00 - 04:00:00	16	20	20	45	17	0.7	289	-2.9	86	998.7
02/27/2022	04:00:00 - 04:15:00	16	21	21	46	18	0.5	280	-3.1	87	998.7
02/27/2022	04:15:00 - 04:30:00	17	22	22	48	18	1.0	287	-3.1	87	998.8
02/27/2022	04:30:00 - 04:45:00	17	22	22	50	19	0.8	275	-3.2	87	998.8
02/27/2022	04:45:00 - 05:00:00	18	23	23	50	20	0.7	278	-3.4	88	998.6
02/27/2022	05:00:00 - 05:15:00	19	25	24	54	20	1.1	284	-3.4	88	998.5
02/27/2022	05:15:00 - 05:30:00	20	25	25	56	21	0.7	274	-3.4	88	998.4
02/27/2022	05:30:00 - 05:45:00	20	26	26	58	22	0.7	278	-3.4	88	998.4
02/27/2022	05:45:00 - 06:00:00	20	27	27	59	23	0.6	297	-3.6	88	998.4
02/27/2022	06:00:00 - 06:15:00	21	27	27	59	23	0.6	300	-3.8	89	998.4
02/27/2022	06:15:00 - 06:30:00	21	26	26	58	23	0.5	289	-4.0	89	998.5
02/27/2022	06:30:00 - 06:45:00	21	27	26	58	23	0.4	273	-4.2	90	998.3
02/27/2022	06:45:00 - 07:00:00	21	26	26	62	24	0.4	273	-4.1	90	998.3
02/27/2022	07:00:00 - 07:15:00	21	26	26	70	23	0.4	251	-3.8	90	998.3
02/27/2022	07:15:00 - 07:30:00	21	24	25	65	22	0.4	250	-3.2	88	998.2
02/27/2022	07:30:00 - 07:45:00	20	23	24	50	20	0.3	255	-2.0	84	998.3
02/27/2022	07:45:00 - 08:00:00	18	21	22	45	18	0.6	254	-1.1	79	998.4
02/27/2022	08:00:00 - 08:15:00	17	21	21	42	17	0.6	283	-0.6	76	998.5
02/27/2022	08:15:00 - 08:30:00	17	20	21	40	16	1.1	276	-0.3	75	998.5
02/27/2022	08:30:00 - 08:45:00	16	19	20	38	16	0.7	277	0.6	72	998.6
02/27/2022	08:45:00 - 09:00:00	15	18	19	35	15	0.8	288	1.5	69	998.6
02/27/2022	09:00:00 - 09:15:00	14	18	18	34	14	1.0	280	2.0	65	998.6
02/27/2022	09:15:00 - 09:30:00	14	18	18	33	14	1.2	315	2.5	62	998.6
02/27/2022	09:30:00 - 09:45:00	14	17	18	33	14	1.1	309	2.8	61	998.7
02/27/2022	09:45:00 - 10:00:00	14	16	17	32	13	1.2	291	3.2	60	998.7
02/27/2022	10:00:00 - 10:15:00	13	16	16	31	13	1.2	311	3.4	60	998.7
02/27/2022	10:15:00 - 10:30:00	13	16	16	31	13	1.2	307	3.6	59	998.7
02/27/2022	10:30:00 - 10:45:00	13	15	15	30	13	1.1	302	4.1	60	998.7
02/27/2022	10:45:00 - 11:00:00	13	15	15	30	13	1.1	276	4.7	58	998.7
02/27/2022	11:00:00 - 11:15:00	12	15	15	29	12	1.6	299	4.5	60	998.8
02/27/2022	11:15:00 - 11:30:00	13	15	15	29	12	0.9	257	5.3	60	998.8
02/27/2022	11:30:00 - 11:45:00	12	14	14	28	12	1.4	300	5.5	59	998.9
02/27/2022	11:45:00 - 12:00:00	12	14	14	28	12	1.2	280	5.6	58	998.8
02/27/2022	12:00:00 - 12:15:00	12	14	14	28	12	1.1	271	5.8	57	998.5
02/27/2022	12:15:00 - 12:30:00	12	13	14	27	11	0.9	273	6.3	56	998.2

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

## Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
02/27/2022	12:30:00 - 12:45:00	12	13	13	28	11	1.1	261	6.3	56	998.0
02/27/2022	12:45:00 - 13:00:00	12	13	13	28	11	0.8	254	6.5	56	997.8
02/27/2022	13:00:00 - 13:15:00	12	14	14	27	11	1.3	278	6.2	56	997.6
02/27/2022	13:15:00 - 13:30:00	12	15	14	28	11	0.6	249	7.0	57	997.3
02/27/2022	13:30:00 - 13:45:00	11	13	14	26	10	1.6	294	6.7	56	997.1
02/27/2022	13:45:00 - 14:00:00	11	13	13	26	10	1.3	300	6.8	57	997.0
02/27/2022	14:00:00 - 14:15:00	11	12	13	25	10	0.7	262	7.1	55	996.9
02/27/2022	14:15:00 - 14:30:00	10	12	12	23	9	0.7	267	7.1	54	996.9
02/27/2022	14:30:00 - 14:45:00	9	11	11	22	8	1.4	299	7.0	54	996.8
02/27/2022	14:45:00 - 15:00:00	9	12	12	22	9	1.4	299	6.8	55	996.8
02/27/2022	15:00:00 - 15:15:00	9	12	12	22	9	1.7	283	6.6	55	996.9
02/27/2022	15:15:00 - 15:30:00	9	12	12	22	9	1.1	293	6.6	57	996.9
02/27/2022	15:30:00 - 15:45:00	10	12	12	22	9	1.1	302	6.4	58	996.8
02/27/2022	15:45:00 - 16:00:00	10	12	12	22	9	1.7	296	6.0	60	996.7
02/27/2022	16:00:00 - 16:15:00	10	12	12	23	9	1.5	295	5.6	61	996.7
02/27/2022	16:15:00 - 16:30:00	9	12	12	22	9	1.2	297	5.3	63	996.6
02/27/2022	16:30:00 - 16:45:00	9	12	12	23	9	0.9	270	5.4	63	996.6
02/27/2022	16:45:00 - 17:00:00	9	12	12	23	9	1.2	291	5.3	64	996.7
02/27/2022	17:00:00 - 17:15:00	9	12	11	22	9	0.9	294	5.0	65	996.7
02/27/2022	17:15:00 - 17:30:00	8	12	13	22	8	0.9	293	4.6	65	996.9
02/27/2022	17:30:00 - 17:45:00	10	15	14	25	10	0.3	313	4.1	69	996.9
02/27/2022	17:45:00 - 18:00:00	10	13	13	26	10	0.0	318	3.7	71	996.9
02/27/2022	18:00:00 - 18:15:00	11	15	14	27	11	0.1	131	3.2	72	996.9
02/27/2022	18:15:00 - 18:30:00	11	15	15	29	11	0.2	99	2.8	75	997.1
02/27/2022	18:30:00 - 18:45:00	11	17	16	31	13	0.3	80	2.3	77	997.3
02/27/2022	18:45:00 - 19:00:00	13	17	17	35	13	0.2	115	1.6	80	997.4
02/27/2022	19:00:00 - 19:15:00	13	18	18	35	13	0.5	150	1.3	81	997.3
02/27/2022	19:15:00 - 19:30:00	13	17	17	35	14	0.6	152	1.0	82	997.3
02/27/2022	19:30:00 - 19:45:00	12	17	17	36	14	0.6	150	1.2	82	997.1
02/27/2022	19:45:00 - 20:00:00	13	18	18	36	15	0.5	166	1.6	80	996.8
02/27/2022	20:00:00 - 20:15:00	15	19	19	39	16	0.5	190	1.3	80	996.8
02/27/2022	20:15:00 - 20:30:00	14	18	19	37	14	0.3	199	0.8	82	997.1
02/27/2022	20:30:00 - 20:45:00	13	18	18	37	14	0.4	151	0.6	82	997.3
02/27/2022	20:45:00 - 21:00:00	13	19	18	38	14	0.3	164	0.5	84	997.1
02/27/2022	21:00:00 - 21:15:00	14	18	19	39	15	0.3	121	0.2	84	997.1
02/27/2022	21:15:00 - 21:30:00	14	20	20	41	15	0.3	166	0.1	85	997.2
02/27/2022	21:30:00 - 21:45:00	13	19	19	41	14	0.5	147	0.1	85	997.1
02/27/2022	21:45:00 - 22:00:00	12	17	17	37	13	0.4	142	0.3	84	997.1
02/27/2022	22:00:00 - 22:15:00	12	19	19	41	14	0.4	188	0.0	84	997.2
02/27/2022	22:15:00 - 22:30:00	12	18	18	37	14	0.6	172	0.1	84	997.0
02/27/2022	22:30:00 - 22:45:00	12	17	17	37	14	0.3	189	0.0	84	997.0
02/27/2022	22:45:00 - 23:00:00	12	19	19	38	13	0.4	178	-0.5	85	996.9
02/27/2022	23:00:00 - 23:15:00	12	21	20	37	14	0.3	141	-1.1	87	996.9
02/27/2022	23:15:00 - 23:30:00	13	20	21	43	14	0.3	147	-1.4	88	996.8
02/27/2022	23:30:00 - 23:45:00	15	21	20	44	15	0.3	108	-1.6	90	996.8
02/28/2022	23:45:00 - 00:00:00	13	21	21	40	14	0.3	146	-1.7	91	996.7
02/28/2022	00:00:00 - 00:15:00	13	21	21	40	14	0.1	188	-1.9	92	996.6
02/28/2022	00:15:00 - 00:30:00	13	20	21	41	15	0.2	203	-2.1	93	996.7
02/28/2022	00:30:00 - 00:45:00	14	20	20	42	15	0.2	210	-2.2	94	996.7
02/28/2022	00:45:00 - 01:00:00	14	21	21	42	15	0.1	159	-1.9	94	996.6
02/28/2022	01:00:00 - 01:15:00	14	20	20	42	15	0.1	360	-2.1	94	996.5
02/28/2022	01:15:00 - 01:30:00	14	20	20	41	15	0.2	108	-2.6	94	996.5
02/28/2022	01:30:00 - 01:45:00	14	21	21	40	15	0.2	354	-2.6	95	996.5
02/28/2022	01:45:00 - 02:00:00	13	20	20	39	15	0.1	99	-2.9	94	996.4
02/28/2022	02:00:00 - 02:15:00	13	21	21	40	15	0.2	35	-2.8	95	996.3
02/28/2022	02:15:00 - 02:30:00	13	20	20	40	14	0.2	90	-3.1	96	996.1
02/28/2022	02:30:00 - 02:45:00	14	24	24	44	14	0.2	77	-3.2	96	995.9
02/28/2022	02:45:00 - 03:00:00	13	21	21	39	14	0.0	118	-3.1	97	995.9
02/28/2022	03:00:00 - 03:15:00	13	20	20	36	14	0.2	185	-2.8	97	995.9
02/28/2022	03:15:00 - 03:30:00	13	21	21	37	14	0.2	86	-2.8	96	995.8
02/28/2022	03:30:00 - 03:45:00	13	22	22	38	15	0.2	74	-3.1	97	995.8
02/28/2022	03:45:00 - 04:00:00	14	22	22	39	15	0.3	80	-3.3	97	995.7

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

## Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
02/28/2022	04:00:00 - 04:15:00	15	23	23	43	16	0.2	59	-3.4	97	995.7
02/28/2022	04:15:00 - 04:30:00	14	23	23	42	17	0.1	218	-3.5	97	995.8
02/28/2022	04:30:00 - 04:45:00	15	24	23	42	17	0.2	320	-3.1	98	995.8
02/28/2022	04:45:00 - 05:00:00	16	23	24	43	18	0.2	220	-2.8	98	995.9
02/28/2022	05:00:00 - 05:15:00	15	24	23	44	17	0.6	173	-1.7	97	995.9
02/28/2022	05:15:00 - 05:30:00	15	27	27	43	17	0.2	149	-1.7	95	995.9
02/28/2022	05:30:00 - 05:45:00	14	21	22	41	16	0.5	162	-1.9	94	995.9
02/28/2022	05:45:00 - 06:00:00	14	22	21	41	16	Offline	Offline	Offline	Offline	Offline
02/28/2022	06:00:00 - 06:15:00	14	22	22	41	17	Offline	Offline	Offline	Offline	Offline
02/28/2022	06:15:00 - 06:30:00	13	22	22	43	17	Offline	Offline	Offline	Offline	Offline
02/28/2022	06:30:00 - 06:45:00	12	19	19	42	16	Offline	Offline	Offline	Offline	Offline
02/28/2022	06:45:00 - 07:00:00	12	18	17	43	16	Offline	Offline	Offline	Offline	Offline
02/28/2022	07:00:00 - 07:15:00	12	15	16	45	14	Offline	Offline	Offline	Offline	Offline
02/28/2022	07:15:00 - 07:30:00	10	13	14	39	11	Offline	Offline	Offline	Offline	Offline
02/28/2022	07:30:00 - 07:45:00	9	12	12	33	9	Offline	Offline	Offline	Offline	Offline
02/28/2022	07:45:00 - 08:00:00	8	11	11	23	8	Offline	Offline	Offline	Offline	Offline
02/28/2022	08:00:00 - 08:15:00	7	10	10	20	8	Offline	Offline	Offline	Offline	Offline
02/28/2022	08:15:00 - 08:30:00	7	9	9	19	7	Offline	Offline	Offline	Offline	Offline
02/28/2022	08:30:00 - 08:45:00	7	9	9	18	7	Offline	Offline	Offline	Offline	Offline
02/28/2022	08:45:00 - 09:00:00	7	9	9	18	7	Offline	Offline	Offline	Offline	Offline
02/28/2022	09:00:00 - 09:15:00	7	9	9	18	7	Offline	Offline	Offline	Offline	Offline
02/28/2022	09:15:00 - 09:30:00	7	9	9	18	7	Offline	Offline	Offline	Offline	Offline
02/28/2022	09:30:00 - 09:45:00	8	10	10	19	7	Offline	Offline	Offline	Offline	Offline
02/28/2022	09:45:00 - 10:00:00	8	10	10	19	8	Offline	Offline	Offline	Offline	Offline
02/28/2022	10:00:00 - 10:15:00	8	9	9	19	8	Offline	Offline	Offline	Offline	Offline
02/28/2022	10:15:00 - 10:30:00	8	9	9	19	8	Offline	Offline	Offline	Offline	Offline
02/28/2022	10:30:00 - 10:45:00	8	10	10	20	8	Offline	Offline	Offline	Offline	Offline
02/28/2022	10:45:00 - 11:00:00	8	10	10	20	8	Offline	Offline	Offline	Offline	Offline
02/28/2022	11:00:00 - 11:15:00	9	11	11	22	9	Offline	Offline	Offline	Offline	Offline
02/28/2022	11:15:00 - 11:30:00	10	10	10	21	9	Offline	Offline	Offline	Offline	Offline
02/28/2022	11:30:00 - 11:45:00	9	10	10	20	8	1.6	184	9.6	53	994.5
02/28/2022	11:45:00 - 12:00:00	9	10	10	21	8	2.0	195	9.6	52	994.2
02/28/2022	12:00:00 - 12:15:00	9	10	10	20	8	2.3	199	10.0	53	993.8
02/28/2022	12:15:00 - 12:30:00	9	11	11	20	8	2.1	201	10.3	52	993.5
02/28/2022	12:30:00 - 12:45:00	9	10	10	20	9	2.1	202	10.3	50	993.2
02/28/2022	12:45:00 - 13:00:00	10	10	10	21	8	2.9	196	10.5	50	993.1
02/28/2022	13:00:00 - 13:15:00	9	10	9	21	8	2.9	196	10.7	48	992.8
02/28/2022	13:15:00 - 13:30:00	9	10	10	20	8	2.3	203	11.0	49	992.5
02/28/2022	13:30:00 - 13:45:00	9	10	10	21	8	2.4	193	10.8	50	992.3
02/28/2022	13:45:00 - 14:00:00	9	10	10	22	9	2.2	191	11.2	50	992.0
02/28/2022	14:00:00 - 14:15:00	9	10	10	22	8	2.1	196	11.5	49	991.7
02/28/2022	14:15:00 - 14:30:00	9	10	10	21	8	2.6	201	11.2	48	991.5
02/28/2022	14:30:00 - 14:45:00	9	10	10	21	8	2.7	194	11.1	49	991.4
02/28/2022	14:45:00 - 15:00:00	9	10	10	21	8	2.3	192	11.2	49	991.3
02/28/2022	15:00:00 - 15:15:00	10	10	10	21	9	2.2	200	11.2	49	991.2
02/28/2022	15:15:00 - 15:30:00	9	10	10	20	8	1.9	200	11.2	50	991.2
02/28/2022	15:30:00 - 15:45:00	8	9	9	19	8	1.7	198	11.1	51	991.1
02/28/2022	15:45:00 - 16:00:00	8	9	9	19	7	2.3	197	11.1	50	990.9
02/28/2022	16:00:00 - 16:15:00	7	9	9	17	7	2.4	206	10.7	51	990.9
02/28/2022	16:15:00 - 16:30:00	7	8	8	16	6	2.4	192	10.3	54	990.8
02/28/2022	16:30:00 - 16:45:00	7	8	8	16	6	1.9	198	10.2	56	990.8
02/28/2022	16:45:00 - 17:00:00	7	9	8	16	6	1.6	197	10.2	57	990.7
02/28/2022	17:00:00 - 17:15:00	8	8	9	17	7	1.4	209	9.9	59	990.7
02/28/2022	17:15:00 - 17:30:00	7	8	8	16	6	1.4	204	9.4	62	990.6
02/28/2022	17:30:00 - 17:45:00	7	8	8	17	7	1.4	197	8.9	64	990.7
02/28/2022	17:45:00 - 18:00:00	7	9	8	16	7	1.0	191	8.4	66	990.8
02/28/2022	18:00:00 - 18:15:00	8	9	9	18	7	1.2	187	8.0	67	990.7
02/28/2022	18:15:00 - 18:30:00	7	9	9	19	8	1.4	204	7.9	66	990.7
02/28/2022	18:30:00 - 18:45:00	8	10	10	19	8	1.4	208	7.6	67	990.7
02/28/2022	18:45:00 - 19:00:00	8	10	10	20	8	1.3	200	7.4	68	990.6
02/28/2022	19:00:00 - 19:15:00	8	10	10	19	8	1.3	207	7.1	68	990.7
02/28/2022	19:15:00 - 19:30:00	7	10	10	20	8	1.2	204	6.8	67	990.8

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



## Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
02/28/2022	19:30:00 - 19:45:00	7	10	10	19	8	1.5	204	6.7	66	990.7
02/28/2022	19:45:00 - 20:00:00	7	10	10	20	8	1.3	209	6.7	65	990.8
02/28/2022	20:00:00 - 20:15:00	7	10	10	20	8	0.9	204	6.3	65	990.9
02/28/2022	20:15:00 - 20:30:00	7	10	10	19	8	0.4	204	5.8	67	991.0
02/28/2022	20:30:00 - 20:45:00	7	9	9	18	7	0.2	163	5.3	69	991.1
02/28/2022	20:45:00 - 21:00:00	7	9	9	18	7	0.5	211	5.1	71	991.3
02/28/2022	21:00:00 - 21:15:00	7	9	9	19	8	0.6	211	4.9	72	991.2
02/28/2022	21:15:00 - 21:30:00	7	10	10	20	8	0.4	182	4.9	72	991.1
02/28/2022	21:30:00 - 21:45:00	8	10	10	20	8	0.3	145	4.6	73	991.1
02/28/2022	21:45:00 - 22:00:00	8	11	11	22	9	0.3	126	4.4	74	990.9
02/28/2022	22:00:00 - 22:15:00	8	11	11	23	9	0.5	145	4.2	75	990.6
02/28/2022	22:15:00 - 22:30:00	8	11	11	22	9	0.9	173	4.4	75	990.4
02/28/2022	22:30:00 - 22:45:00	8	11	11	22	9	1.2	197	4.6	75	990.2
02/28/2022	22:45:00 - 23:00:00	9	11	11	23	9	1.2	192	4.5	75	990.0
02/28/2022	23:00:00 - 23:15:00	9	11	12	23	10	1.2	183	4.3	75	990.1
02/28/2022	23:15:00 - 23:30:00	8	10	11	21	8	1.1	175	4.3	75	990.0
02/28/2022	23:30:00 - 23:45:00	7	10	10	20	8	0.8	182	4.5	74	989.9
03/01/2022	23:45:00 - 00:00:00	6	7	9	18	7	1.2	194	5.2	71	989.9
03/01/2022	00:00:00 - 00:15:00	6	8	18	16	6	1.4	204	5.5	69	989.9
03/01/2022	00:15:00 - 00:30:00	6	8	17	15	6	1.3	208	5.7	68	989.8
03/01/2022	00:30:00 - 00:45:00	5	8	17	15	6	1.3	202	5.6	68	989.8
03/01/2022	00:45:00 - 01:00:00	5	8	17	15	6	1.5	195	5.6	68	989.7
03/01/2022	01:00:00 - 01:15:00	5	8	17	14	6	1.2	192	5.6	67	989.5
03/01/2022	01:15:00 - 01:30:00	5	7	16	14	5	0.7	194	5.7	67	989.4
03/01/2022	01:30:00 - 01:45:00	5	7	16	13	5	1.0	205	5.8	66	989.5
03/01/2022	01:45:00 - 02:00:00	5	7	15	13	5	1.3	204	5.9	66	989.5
03/01/2022	02:00:00 - 02:15:00	5	7	15	13	5	1.4	198	5.5	67	989.2
03/01/2022	02:15:00 - 02:30:00	5	7	15	13	5	1.7	196	5.4	68	989.1
03/01/2022	02:30:00 - 02:45:00	5	7	15	13	5	1.5	204	5.5	68	989.0
03/01/2022	02:45:00 - 03:00:00	5	7	15	13	5	1.5	203	5.8	66	988.6
03/01/2022	03:00:00 - 03:15:00	5	7	15	13	5	1.5	204	6.0	65	988.6
03/01/2022	03:15:00 - 03:30:00	5	7	15	13	5	1.2	213	6.2	63	988.4
03/01/2022	03:30:00 - 03:45:00	5	7	15	13	5	0.9	218	6.2	63	988.6
03/01/2022	03:45:00 - 04:00:00	5	7	16	13	5	1.2	209	6.3	62	988.6
03/01/2022	04:00:00 - 04:15:00	5	7	16	13	5	1.7	201	6.2	63	988.5
03/01/2022	04:15:00 - 04:30:00	5	7	16	14	6	0.9	201	5.8	64	988.7
03/01/2022	04:30:00 - 04:45:00	5	8	16	14	5	1.1	208	5.6	65	988.9
03/01/2022	04:45:00 - 05:00:00	5	8	17	14	6	0.9	200	5.3	66	988.9
03/01/2022	05:00:00 - 05:15:00	6	8	17	15	6	0.4	187	4.7	69	989.0
03/01/2022	05:15:00 - 05:30:00	6	8	17	15	6	0.7	183	4.2	71	988.8
03/01/2022	05:30:00 - 05:45:00	6	8	18	16	6	0.5	88	3.9	72	988.8
03/01/2022	05:45:00 - 06:00:00	6	8	19	16	6	0.9	172	3.9	72	988.7
03/01/2022	06:00:00 - 06:15:00	7	9	20	17	7	0.5	180	4.0	72	988.9
03/01/2022	06:15:00 - 06:30:00	8	9	21	17	7	0.7	191	4.4	70	988.9
03/01/2022	06:30:00 - 06:45:00	7	9	20	18	7	0.5	188	4.4	70	989.0
03/01/2022	06:45:00 - 07:00:00	7	10	21	19	8	1.1	187	4.7	69	988.9
03/01/2022	07:00:00 - 07:15:00	8	10	23	20	8	0.7	215	5.1	68	988.8
03/01/2022	07:15:00 - 07:30:00	8	11	23	21	9	0.8	190	5.5	66	988.9
03/01/2022	07:30:00 - 07:45:00	9	11	24	21	9	1.3	196	5.9	64	988.8
03/01/2022	07:45:00 - 08:00:00	9	12	24	22	9	1.4	194	6.2	63	988.7
03/01/2022	08:00:00 - 08:15:00	9	13	25	23	9	1.3	202	6.3	63	988.9
03/01/2022	08:15:00 - 08:30:00	10	12	25	23	9	0.8	196	6.8	62	988.9
03/01/2022	08:30:00 - 08:45:00	9	12	25	23	9	0.7	217	7.3	61	989.0
03/01/2022	08:45:00 - 09:00:00	10	11	25	23	10	0.4	208	7.8	60	989.1
03/01/2022	09:00:00 - 09:15:00	9	12	24	23	9	0.9	215	8.0	60	989.0
03/01/2022	09:15:00 - 09:30:00	9	11	24	22	9	0.9	219	8.4	59	988.9
03/01/2022	09:30:00 - 09:45:00	10	11	25	22	9	1.3	200	9.1	58	988.9
03/01/2022	09:45:00 - 10:00:00	10	12	24	22	9	1.7	200	9.5	57	988.9
03/01/2022	10:00:00 - 10:15:00	11	11	26	23	9	0.8	205	10.1	57	989.0
03/01/2022	10:15:00 - 10:30:00	16	12	33	23	10	0.9	227	10.7	56	989.0
03/01/2022	10:30:00 - 10:45:00	14	12	30	23	10	0.7	201	11.3	57	989.0
03/01/2022	10:45:00 - 11:00:00	13	11	29	23	9	1.1	220	12.0	55	988.9

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{C}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
03/01/2022	11:00:00 - 11:15:00	12	11	26	22	9	1.1	219	12.6	54	988.7
03/01/2022	11:15:00 - 11:30:00	14	12	29	22	9	0.9	228	13.2	52	988.5
03/01/2022	11:30:00 - 11:45:00	9	10	21	21	8	1.1	212	14.1	51	988.4
03/01/2022	11:45:00 - 12:00:00	9	10	20	21	8	0.9	236	14.4	51	988.3
03/01/2022	12:00:00 - 12:15:00	13	10	25	21	8	0.8	246	15.0	50	988.1
03/01/2022	12:15:00 - 12:30:00	13	10	27	21	8	1.1	228	15.3	50	987.8
03/01/2022	12:30:00 - 12:45:00	10	9	21	19	7	1.0	270	15.8	48	987.7
03/01/2022	12:45:00 - 13:00:00	12	10	23	19	7	0.8	257	15.8	51	987.6
03/01/2022	13:00:00 - 13:15:00	10	10	21	19	7	0.8	262	16.1	50	987.5
03/01/2022	13:15:00 - 13:30:00	11	9	22	19	7	1.0	273	16.4	49	987.5
03/01/2022	13:30:00 - 13:45:00	20	8	37	16	6	1.6	306	17.2	44	987.4
03/01/2022	13:45:00 - 14:00:00	28	10	50	23	7	1.6	296	17.7	40	987.4
03/01/2022	14:00:00 - 14:15:00	8	10	17	21	7	1.5	293	17.5	40	987.4
03/01/2022	14:15:00 - 14:30:00	8	9	16	19	6	1.8	286	17.1	40	987.4
03/01/2022	14:30:00 - 14:45:00	7	8	17	18	7	2.7	302	16.8	42	987.8
03/01/2022	14:45:00 - 15:00:00	7	9	14	16	6	1.5	296	16.7	43	988.0
03/01/2022	15:00:00 - 15:15:00	7	8	15	17	6	1.9	301	16.7	42	987.9
03/01/2022	15:15:00 - 15:30:00	8	8	16	17	7	1.5	322	16.8	45	988.1
03/01/2022	15:30:00 - 15:45:00	7	9	16	18	7	1.6	304	16.7	44	988.3
03/01/2022	15:45:00 - 16:00:00	8	9	17	18	7	1.6	310	16.2	46	988.5
03/01/2022	16:00:00 - 16:15:00	9	9	19	19	8	1.2	331	15.9	50	988.6
03/01/2022	16:15:00 - 16:30:00	9	9	19	19	8	1.1	338	15.5	50	988.8
03/01/2022	16:30:00 - 16:45:00	9	9	20	20	8	1.1	329	15.3	49	988.7
03/01/2022	16:45:00 - 17:00:00	9	10	21	21	8	1	335	15	53	988.9
03/01/2022	17:00:00 - 17:15:00	9	10	22	23	9	1	340	14	58	989.1
03/01/2022	17:15:00 - 17:30:00	10	11	23	24	9	0.8	349	13.6	60	989.3
03/01/2022	17:30:00 - 17:45:00	9	10	21	23	9	0.7	356	12.9	64	989.5
03/01/2022	17:45:00 - 18:00:00	9	11	22	24	9	0.7	356	12.0	65	989.9
03/01/2022	18:00:00 - 18:15:00	9	11	22	24	9	0.8	2	11.4	67	990.2
03/01/2022	18:15:00 - 18:30:00	9	11	22	24	10	0.7	4	11.0	70	990.6
03/01/2022	18:30:00 - 18:45:00	11	12	25	27	11	1.0	354	10.5	73	990.6
03/01/2022	18:45:00 - 19:00:00	11	13	28	28	11	0.6	6	9.9	76	990.8
03/01/2022	19:00:00 - 19:15:00	11	13	27	29	11	0.5	7	9.3	78	990.9
03/01/2022	19:15:00 - 19:30:00	12	14	29	33	13	0.3	12	8.7	81	991.1
03/01/2022	19:30:00 - 19:45:00	15	16	34	40	14	0.5	14	8.1	83	991.2
03/01/2022	19:45:00 - 20:00:00	14	16	32	40	14	0.2	66	7.3	85	991.3
03/01/2022	20:00:00 - 20:15:00	14	17	33	38	14	0.4	11	6.7	89	991.3
03/01/2022	20:15:00 - 20:30:00	14	17	32	39	14	0.2	10	6.4	90	991.4
03/01/2022	20:30:00 - 20:45:00	16	21	37	44	16	0.3	244	6.3	91	991.5
03/01/2022	20:45:00 - 21:00:00	20	34	49	71	25	0.1	335	5.8	91	991.7
03/01/2022	21:00:00 - 21:15:00	25	30	59	67	23	0.6	43	5.4	93	991.9
03/01/2022	21:15:00 - 21:30:00	23	26	53	67	24	0.7	58	4.9	94	992.1
03/01/2022	21:30:00 - 21:45:00	20	23	48	61	22	0.2	81	4.6	95	992.1
03/01/2022	21:45:00 - 22:00:00	18	24	44	60	20	0.8	65	4.5	95	992.1
03/01/2022	22:00:00 - 22:15:00	18	23	43	55	19	0.6	49	4.0	96	992.1
03/01/2022	22:15:00 - 22:30:00	18	23	42	52	17	0.6	63	3.7	96	992.1
03/01/2022	22:30:00 - 22:45:00	17	22	41	53	17	0.6	57	3.5	97	992.1
03/01/2022	22:45:00 - 23:00:00	15	21	39	52	17	0.9	52	3.6	97	992.1
03/01/2022	23:00:00 - 23:15:00	16	21	40	63	16	1.4	49	4.4	94	992.1
03/01/2022	23:15:00 - 23:30:00	18	24	45	69	17	1.3	55	4.4	90	992.2
03/01/2022	23:30:00 - 23:45:00	21	25	52	68	19	1.3	64	4.1	88	992.3
03/02/2022	23:45:00 - 00:00:00	20	26	54	73	19	1.7	49	3.8	88	992.4

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

Appendix A: Complete Preliminary Data Record

2/23/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	742	0.1	812	0.1	912	0.1	1015	0.1	1107	0.1	1216	0.1	1306	0.0	1408	0.0	1508	0.0	1608	0.0
SAM-2	732	0.0	802	0.0	902	0.0	1011	0.0	1102	0.0	1211	0.0	1302	0.0	1402	0.1	1502	0.0	1602	0.0
SAM-3	754	0.0	824	0.0	924	0.0	1023	0.0	1117	0.0	1222	0.0	1320	0.0	1418	0.0	1520	0.0	1613	0.0
SAM-4	747	0.0	817	0.0	917	0.0	1018	0.0	1110	0.0	1217	0.1	1311	0.1	1412	0.1	1513	0.0	1608	0.1
IMPL-A	730	0.0	800	0.0	900	0.0	1010	0.0	1100	0.0	1210	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0
IMPL-B	734	0.0	804	0.0	904	0.0	1012	0.0	1103	0.0	1212	0.1	1303	0.0	1403	0.1	1503	0.0	1603	0.0
IMPL-C	738	0.0	808	0.0	908	0.0	1013	0.1	1104	0.1	1213	0.1	1304	0.0	1404	0.1	1504	0.0	1604	0.0
IMPL-D	740	0.1	810	0.1	910	0.1	1014	0.1	1105	0.1	1215	0.1	1304	0.0	1406	0.1	1506	0.0	1606	0.0
IMPL-E	744	0.1	814	0.1	914	0.1	1016	0.1	1108	0.1	1215	0.1	1308	0.0	1410	0.1	1510	0.0	1606	0.0
IMPL-F	746	0.1	816	0.1	916	0.1	1017	0.1	1109	0.1	1216	0.2	1310	0.0	1411	0.1	1512	0.0	1607	0.1
IMPL-G	748	0.1	818	0.1	918	0.1	1019	0.1	1111	0.1	1218	0.1	1312	0.0	1413	0.1	1514	0.0	1609	0.1
IMPL-H	749	0.1	819	0.1	919	0.1	1020	0.1	1112	0.1	1219	0.1	1313	0.0	1414	0.1	1515	0.0	1610	0.1
IMPL-I	750	0.0	820	0.0	920	0.0	1021	0.1	1113	0.0	1220	0.1	1314	0.0	1415	0.1	1516	0.0	1611	0.1
IMPL-J	752	0.0	822	0.0	922	0.0	1022	0.1	1115	0.0	1221	0.1	1316	0.0	1416	0.1	1518	0.0	1612	0.1
IMPL-K	755	0.0	825	0.0	925	0.0	1024	0.1	1118	0.0	1223	0.0	1322	0.0	1419	0.1	1521	0.0	1614	0.1
IMPL-L	756	0.0	826	0.0	926	0.0	1025	0.0	1119	0.0	1224	0.0	1323	0.0	1420	0.0	1522	0.0	1615	0.0

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

2/24/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	742	0.0	817	0.0	905	0.0	1015	0.0	1107	0.0	1216	0.0	1306	0.0	1408	0.0	1508	0.0	NA	NA
SAM-2	732	0.0	812	0.0	901	0.0	1011	0.0	1102	0.0	1211	0.0	1302	0.0	1402	0.0	1502	0.0	NA	NA
SAM-3	754	0.0	828	0.0	914	0.0	1023	0.0	1117	0.1	1222	0.1	1320	0.1	1418	0.1	1520	0.1	NA	NA
SAM-4	747	0.1	821	0.1	908	0.1	1018	0.1	1110	0.0	1217	0.1	1311	0.0	1412	0.0	1513	0.0	NA	NA
IMPL-A	730	0.0	810	0.0	900	0.0	1010	0.0	1100	0.0	1210	0.0	1300	0.0	1400	0.0	1500	0.0	NA	NA
IMPL-B	734	0.0	813	0.0	902	0.0	1012	0.0	1103	0.0	1212	0.0	1303	0.0	1403	0.0	1503	0.0	NA	NA
IMPL-C	738	0.0	814	0.0	903	0.0	1013	0.0	1104	0.0	1213	0.0	1304	0.0	1404	0.0	1504	0.0	NA	NA
IMPL-D	740	0.0	815	0.0	904	0.0	1014	0.0	1105	0.0	1215	0.0	1304	0.0	1406	0.0	1506	0.0	NA	NA
IMPL-E	744	0.0	818	0.0	906	0.0	1016	0.0	1108	0.0	1215	0.0	1308	0.0	1410	0.0	1510	0.0	NA	NA
IMPL-F	746	0.1	820	0.1	907	0.0	1017	0.0	1109	0.0	1216	0.1	1310	0.0	1411	0.0	1512	0.0	NA	NA
IMPL-G	748	0.1	822	0.1	909	0.1	1019	0.1	1111	0.1	1218	0.1	1312	0.0	1413	0.1	1514	0.1	NA	NA
IMPL-H	749	0.1	823	0.1	910	0.1	1020	0.1	1112	0.1	1219	0.1	1313	0.1	1414	0.1	1515	0.1	NA	NA
IMPL-I	750	0.1	824	0.1	911	0.1	1021	0.1	1113	0.1	1220	0.1	1314	0.2	1415	0.1	1516	0.1	NA	NA
IMPL-J	752	0.1	826	0.1	912	0.1	1022	0.1	1115	0.1	1221	0.1	1316	0.1	1416	0.1	1518	0.1	NA	NA
IMPL-K	755	0.1	829	0.0	915	0.0	1024	0.0	1118	0.1	1223	0.1	1322	0.1	1419	0.1	1521	0.1	NA	NA
IMPL-L	756	0.0	830	0.0	916	0.0	1025	0.0	1119	0.0	1224	0.0	1323	0.0	1420	0.0	1522	0.0	NA	NA

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.  
Excavation stopped at 4:00 pm

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

Appendix A: Complete Preliminary Data Record

2/25/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	720	0.0	817	0.0	905	0.0	1015	0.0	1107	0.0	1216	0.0	1306	0.0	1408	0.0	NA	NA	NA	NA
SAM-2	716	0.0	812	0.0	901	0.0	1011	0.0	1102	0.1	1211	0.0	1302	0.0	1402	0.0	NA	NA	NA	NA
SAM-3	728	0.0	828	0.0	914	0.0	1023	0.0	1117	0.0	1222	0.0	1320	0.0	1418	0.0	NA	NA	NA	NA
SAM-4	723	0.0	821	0.0	908	0.0	1018	0.0	1110	0.1	1217	0.0	1311	0.0	1412	0.0	NA	NA	NA	NA
IMPL-A	715	0.0	810	0.0	900	0.0	1010	0.0	1100	0.1	1210	0.0	1300	0.0	1400	0.0	NA	NA	NA	NA
IMPL-B	717	0.1	813	0.1	902	0.1	1012	0.1	1103	0.1	1212	0.0	1303	0.0	1403	0.0	NA	NA	NA	NA
IMPL-C	718	0.1	814	0.1	903	0.1	1013	0.1	1104	0.1	1213	0.0	1304	0.0	1404	0.1	NA	NA	NA	NA
IMPL-D	719	0.1	815	0.1	904	0.1	1014	0.1	1105	0.1	1215	0.0	1304	0.0	1406	0.1	NA	NA	NA	NA
IMPL-E	721	0.1	818	0.1	906	0.2	1016	0.1	1108	0.1	1215	0.0	1308	0.0	1410	0.1	NA	NA	NA	NA
IMPL-F	722	0.0	820	0.0	907	0.0	1017	0.0	1109	0.1	1216	0.0	1310	0.0	1411	0.0	NA	NA	NA	NA
IMPL-G	724	0.0	822	0.0	909	0.0	1019	0.0	1111	0.1	1218	0.0	1312	0.0	1413	0.0	NA	NA	NA	NA
IMPL-H	725	0.0	823	0.0	910	0.0	1020	0.0	1112	0.1	1219	0.0	1313	0.0	1414	0.0	NA	NA	NA	NA
IMPL-I	726	0.0	824	0.0	911	0.0	1021	0.0	1113	0.1	1220	0.0	1314	0.0	1415	0.0	NA	NA	NA	NA
IMPL-J	727	0.0	826	0.0	912	0.0	1022	0.0	1115	0.1	1221	0.0	1316	0.0	1416	0.0	NA	NA	NA	NA
IMPL-K	729	0.0	829	0.0	915	0.0	1024	0.0	1118	0.1	1223	0.0	1322	0.0	1419	0.0	NA	NA	NA	NA
IMPL-L	730	0.0	830	0.0	916	0.0	1025	0.0	1119	0.1	1224	0.0	1323	0.0	1420	0.0	NA	NA	NA	NA

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

2/28/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	735	0.0	817	0.0	905	0.0	1015	0.0	1107	0.0	1226	0.0	1306	0.0	1408	0.0	1505	0.0	1605	0.0
SAM-2	731	0.0	812	0.0	901	0.0	1011	0.0	1102	0.1	1221	0.0	1302	0.0	1402	0.0	1501	0.0	1601	0.0
SAM-3	743	0.0	828	0.0	914	0.0	1023	0.0	1117	0.0	1232	0.0	1320	0.0	1418	0.0	1513	0.0	1613	0.0
SAM-4	738	0.0	821	0.0	908	0.0	1018	0.0	1110	0.0	1227	0.0	1311	0.0	1412	0.0	1508	0.0	1608	0.0
IMPL-A	730	0.0	810	0.0	900	0.1	1010	0.1	1100	0.2	1220	0.0	1300	0.1	1400	0.0	1500	0.1	1600	0.0
IMPL-B	732	0.0	813	0.0	902	0.1	1012	0.1	1103	0.2	1222	0.1	1303	0.1	1403	0.0	1502	0.1	1602	0.0
IMPL-C	733	0.0	814	0.0	903	0.1	1013	0.1	1104	0.2	1223	0.1	1304	0.1	1404	0.1	1503	0.1	1603	0.1
IMPL-D	734	0.0	815	0.0	904	0.1	1014	0.1	1105	0.2	1225	0.1	1304	0.1	1406	0.0	1504	0.1	1604	0.1
IMPL-E	736	0.0	818	0.0	906	0.1	1016	0.1	1108	0.1	1225	0.1	1308	0.0	1410	0.0	1506	0.1	1606	0.1
IMPL-F	737	0.0	820	0.0	907	0.0	1017	0.0	1109	0.0	1226	0.0	1310	0.0	1411	0.0	1507	0.1	1607	0.1
IMPL-G	739	0.0	822	0.0	909	0.0	1019	0.0	1111	0.0	1228	0.0	1312	0.0	1413	0.0	1509	0.0	1609	0.0
IMPL-H	740	0.0	823	0.0	910	0.0	1020	0.0	1112	0.0	1229	0.0	1313	0.0	1414	0.0	1510	0.0	1610	0.0
IMPL-I	741	0.0	824	0.0	911	0.0	1021	0.1	1113	0.1	1230	0.0	1314	0.0	1415	0.0	1511	0.0	1611	0.0
IMPL-J	742	0.0	826	0.0	912	0.0	1022	0.0	1115	0.1	1231	0.0	1316	0.0	1416	0.0	1512	0.0	1612	0.0
IMPL-K	744	0.0	829	0.0	915	0.0	1024	0.0	1118	0.0	1233	0.0	1322	0.0	1419	0.0	1514	0.0	1614	0.0
IMPL-L	745	0.0	830	0.0	916	0.2	1025	0.1	1119	0.0	1234	0.0	1323	0.1	1420	0.0	1515	0.0	1615	0.0

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

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

Appendix A: Complete Preliminary Data Record

3/1/2022																				
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	0.0	817	0.0	905	0.0	1015	0.0	1107	0.0	1226	0.0	1306	0.0	1408	0.0	1505	0.0	1605	0.0
SAM-2	731	0.0	812	0.0	901	0.0	1011	0.0	1102	0.1	1221	0.0	1302	0.0	1402	0.0	1501	0.0	1601	0.0
SAM-3	743	0.0	828	0.0	914	0.0	1023	0.0	1117	0.0	1232	0.0	1320	0.0	1418	0.0	1513	0.0	1613	0.0
SAM-4	738	0.0	821	0.0	908	0.0	1018	0.0	1110	0.0	1227	0.0	1311	0.0	1412	0.0	1508	0.0	1608	0.0
IMPL-A	730	0.0	810	0.0	900	0.1	1010	0.1	1100	0.2	1220	0.0	1300	0.1	1400	0.0	1500	0.1	1600	0.0
IMPL-B	732	0.0	813	0.0	902	0.1	1012	0.1	1103	0.2	1222	0.1	1303	0.1	1403	0.0	1502	0.1	1602	0.0
IMPL-C	733	0.0	814	0.0	903	0.1	1013	0.1	1104	0.2	1223	0.1	1304	0.1	1404	0.1	1503	0.1	1603	0.1
IMPL-D	734	0.0	815	0.0	904	0.1	1014	0.1	1105	0.2	1225	0.1	1304	0.1	1406	0.0	1504	0.1	1604	0.1
IMPL-E	736	0.0	818	0.0	906	0.1	1016	0.1	1108	0.1	1225	0.1	1308	0.0	1410	0.0	1506	0.1	1606	0.1
IMPL-F	737	0.0	820	0.0	907	0.0	1017	0.0	1109	0.0	1226	0.0	1310	0.0	1411	0.0	1507	0.1	1607	0.1
IMPL-G	739	0.0	822	0.0	909	0.0	1019	0.0	1111	0.0	1228	0.0	1312	0.0	1413	0.0	1509	0.0	1609	0.0
IMPL-H	740	0.0	823	0.0	910	0.0	1020	0.0	1112	0.0	1229	0.0	1313	0.0	1414	0.0	1510	0.0	1610	0.0
IMPL-I	741	0.0	824	0.0	911	0.0	1021	0.1	1113	0.1	1230	0.0	1314	0.0	1415	0.0	1511	0.0	1611	0.0
IMPL-J	742	0.0	826	0.0	912	0.0	1022	0.0	1115	0.1	1231	0.0	1316	0.0	1416	0.0	1512	0.0	1612	0.0
IMPL-K	744	0.0	829	0.0	915	0.0	1024	0.0	1118	0.0	1233	0.0	1322	0.0	1419	0.0	1514	0.0	1614	0.0
IMPL-L	745	0.0	830	0.0	916	0.2	1025	0.1	1119	0.0	1234	0.0	1323	0.1	1420	0.0	1515	0.0	1615	0.0

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

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

**APPENDIX B      COMPLETE PRELIMINARY LAB RESULT DATA**

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Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Naphthalene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	2-Methylnaphthalene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	2-Chloronaphthalene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Acenaphthylene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Acenaphthene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Fluorene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Phenanthrene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Anthracene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Fluoranthene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Pyrene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Chrysene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Benzo(a)anthracene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Benzo(b)fluoranthene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Benzo(k)fluoranthene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Benzo(a)pyrene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	%R	104		Fluorene-d10
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	%R	118		Pyrene-d10
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	%R	97		Benzo(a)pyrene-d12
TO-13A	20220209-11-SE-SAM1	02/09/2022 12:11	02/11/2022 07:44	%R	98		Fluoranthene-d10
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg	1.5		Naphthalene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	2-Methylnaphthalene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	2-Chloronaphthalene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Acenaphthylene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Acenaphthene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Fluorene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Phenanthrene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Anthracene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Fluoranthene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Pyrene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Chrysene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Benzo(a)anthracene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Benzo(b)fluoranthene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Benzo(k)fluoranthene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Benzo(a)pyrene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	%R	73		Fluorene-d10
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	%R	82		Pyrene-d10
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	%R	72		Benzo(a)pyrene-d12
TO-13A	20220209-11-NE-SAM2	02/09/2022 12:03	02/11/2022 07:38	%R	70		Fluoranthene-d10
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Naphthalene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	2-Methylnaphthalene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	2-Chloronaphthalene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Acenaphthylene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Acenaphthene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Fluorene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Phenanthrene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Anthracene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Fluoranthene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Pyrene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Chrysene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Benzo(a)anthracene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	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	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Benzo(k)fluoranthene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Benzo(a)pyrene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	%R	81		Fluorene-d10
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	%R	90		Pyrene-d10
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	%R	75		Benzo(a)pyrene-d12
TO-13A	20220209-11-SE-SAM3	02/09/2022 12:07	02/11/2022 07:42	%R	73		Fluoranthene-d10
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Naphthalene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	2-Methylnaphthalene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	2-Chloronaphthalene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Acenaphthylene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Acenaphthene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Fluorene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Phenanthrene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Anthracene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Fluoranthene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Pyrene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Chrysene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Benzo(a)anthracene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Benzo(b)fluoranthene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Benzo(k)fluoranthene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Benzo(a)pyrene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	%R	79		Fluorene-d10
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	%R	91		Pyrene-d10
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	%R	78		Benzo(a)pyrene-d12
TO-13A	20220209-11-NW-SAM4	02/09/2022 12:22	02/11/2022 07:52	%R	72		Fluoranthene-d10
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Naphthalene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	2-Methylnaphthalene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	2-Chloronaphthalene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Acenaphthylene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Acenaphthene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Fluorene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Phenanthrene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Anthracene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Fluoranthene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Pyrene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Chrysene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Benzo(a)anthracene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Benzo(b)fluoranthene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Benzo(k)fluoranthene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Benzo(a)pyrene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	%R	74		Fluorene-d10
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	%R	85		Pyrene-d10
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	%R	71		Benzo(a)pyrene-d12
TO-13A	20220209-11-SW-SAM5	02/09/2022 12:17	02/11/2022 07:49	%R	65		Fluoranthene-d10
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Naphthalene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	2-Methylnaphthalene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	2-Chloronaphthalene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Acenaphthylene

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Acenaphthene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Fluorene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Phenanthrene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Anthracene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Fluoranthene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Pyrene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Chrysene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Benzo(a)anthracene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Benzo(b)fluoranthene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Benzo(k)fluoranthene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Benzo(a)pyrene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	%R	67		Fluorene-d10
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	%R	76		Pyrene-d10
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	%R	77		Benzo(a)pyrene-d12
TO-13A	20220209-11-SAM6	02/09/2022 11:55	02/11/2022 08:50	%R	65		Fluoranthene-d10

ND - Non Detect

E - Exceeds instrument calibration range

Q - Exceeds quality control limits

S - Saturated peak

J - Estimated value

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

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

N - The identification is based on presumptive evidence.

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Naphthalene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	2-Methylnaphthalene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	2-Chloronaphthalene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Acenaphthylene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Acenaphthene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Fluorene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Phenanthrene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Anthracene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Fluoranthene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Pyrene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Chrysene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Benzo(a)anthracene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Benzo(b)fluoranthene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Benzo(k)fluoranthene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Benzo(a)pyrene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	%R	82		Fluorene-d10
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	%R	85		Pyrene-d10
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	%R	77		Benzo(a)pyrene-d12
TO-13A	20220214-16-SE-SAM1	02/14/2022 08:49	02/16/2022 08:13	%R	83		Fluoranthene-d10
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Naphthalene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	2-Methylnaphthalene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	2-Chloronaphthalene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Acenaphthylene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Acenaphthene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Fluorene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Phenanthrene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Anthracene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Fluoranthene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Pyrene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Chrysene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Benzo(a)anthracene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Benzo(b)fluoranthene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Benzo(k)fluoranthene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Benzo(a)pyrene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	%R	82		Fluorene-d10
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	%R	89		Pyrene-d10
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	%R	82		Benzo(a)pyrene-d12
TO-13A	20220214-16-NE-SAM2	02/14/2022 08:34	02/16/2022 08:00	%R	82		Fluoranthene-d10
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Naphthalene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	2-Methylnaphthalene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	2-Chloronaphthalene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Acenaphthylene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Acenaphthene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Fluorene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Phenanthrene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Anthracene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Fluoranthene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Pyrene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Chrysene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Benzo(a)anthracene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	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	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Benzo(k)fluoranthene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Benzo(a)pyrene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	%R	78		Fluorene-d10
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	%R	91		Pyrene-d10
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	%R	81		Benzo(a)pyrene-d12
TO-13A	20220214-16-SE-SAM3	02/14/2022 08:43	02/16/2022 08:07	%R	79		Fluoranthene-d10
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg	2.5		Naphthalene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	2-Methylnaphthalene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	2-Chloronaphthalene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Acenaphthylene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Acenaphthene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Fluorene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Phenanthrene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Anthracene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Fluoranthene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Pyrene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Chrysene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Benzo(a)anthracene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Benzo(b)fluoranthene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Benzo(k)fluoranthene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Benzo(a)pyrene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	%R	79		Fluorene-d10
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	%R	91		Pyrene-d10
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	%R	77		Benzo(a)pyrene-d12
TO-13A	20220214-16-NW-SAM4	02/14/2022 08:59	02/16/2022 08:22	%R	80		Fluoranthene-d10
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Naphthalene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	2-Methylnaphthalene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	2-Chloronaphthalene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Acenaphthylene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Acenaphthene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Fluorene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Phenanthrene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Anthracene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Fluoranthene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Pyrene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Chrysene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Benzo(a)anthracene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Benzo(b)fluoranthene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Benzo(k)fluoranthene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Benzo(a)pyrene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	%R	82		Fluorene-d10
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	%R	92		Pyrene-d10
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	%R	77		Benzo(a)pyrene-d12
TO-13A	20220214-16-SW-SAM5	02/14/2022 09:08	02/16/2022 08:30	%R	78		Fluoranthene-d10
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Naphthalene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	2-Methylnaphthalene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	2-Chloronaphthalene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	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	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Acenaphthene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Fluorene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Phenanthrene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Anthracene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Fluoranthene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Pyrene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Chrysene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Benzo(a)anthracene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Benzo(b)fluoranthene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Benzo(k)fluoranthene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Benzo(a)pyrene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	%R	77		Fluorene-d10
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	%R	91		Pyrene-d10
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	%R	88		Benzo(a)pyrene-d12
TO-13A	20220214-16-SAM6	02/14/2022 09:13	02/16/2022 08:32	%R	78		Fluoranthene-d10

ND - Non Detect

E - Exceeds instrument calibration range

Q - Exceeds quality control limits

S - Saturated peak

J - Estimated value

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

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

N - The identification is based on presumptive evidence.

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Naphthalene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	2-Methylnaphthalene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	2-Chloronaphthalene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Acenaphthylene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Acenaphthene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Fluorene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Phenanthrene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Anthracene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Fluoranthene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Pyrene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Chrysene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Benzo(a)anthracene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Benzo(b)fluoranthene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Benzo(k)fluoranthene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Benzo(a)pyrene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	%R	82		Fluorene-d10
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	%R	98		Pyrene-d10
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	%R	88		Benzo(a)pyrene-d12
TO-13A	20220216-18-SE-SAM1	02/16/2022 08:51	02/18/2022 07:33	%R	78		Fluoranthene-d10
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Naphthalene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	2-Methylnaphthalene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	2-Chloronaphthalene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Acenaphthylene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Acenaphthene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Fluorene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Phenanthrene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Anthracene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Fluoranthene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Pyrene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Chrysene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Benzo(a)anthracene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Benzo(b)fluoranthene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Benzo(k)fluoranthene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Benzo(a)pyrene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	%R	81		Fluorene-d10
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	%R	85		Pyrene-d10
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	%R	81		Benzo(a)pyrene-d12
TO-13A	20220216-18-NE-SAM2	02/16/2022 08:56	02/18/2022 06:38	%R	79		Fluoranthene-d10
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Naphthalene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	2-Methylnaphthalene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	2-Chloronaphthalene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Acenaphthylene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Acenaphthene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Fluorene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Phenanthrene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Anthracene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Fluoranthene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Pyrene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Chrysene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Benzo(a)anthracene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	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	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Benzo(k)fluoranthene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Benzo(a)pyrene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	%R	77		Fluorene-d10
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	%R	91		Pyrene-d10
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	%R	82		Benzo(a)pyrene-d12
TO-13A	20220216-18-SE-SAM3	02/16/2022 08:47	02/18/2022 07:28	%R	77		Fluoranthene-d10
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Naphthalene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	2-Methylnaphthalene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	2-Chloronaphthalene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Acenaphthylene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Acenaphthene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Fluorene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Phenanthrene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Anthracene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Fluoranthene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Pyrene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Chrysene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Benzo(a)anthracene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Benzo(b)fluoranthene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Benzo(k)fluoranthene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Benzo(a)pyrene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	%R	79		Fluorene-d10
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	%R	80		Pyrene-d10
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	%R	78		Benzo(a)pyrene-d12
TO-13A	20220216-18-SW-SAM5	02/16/2022 08:40	02/18/2022 06:57	%R	75		Fluoranthene-d10
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Naphthalene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	2-Methylnaphthalene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	2-Chloronaphthalene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Acenaphthylene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Acenaphthene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Fluorene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Phenanthrene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Anthracene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Fluoranthene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Pyrene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Chrysene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Benzo(a)anthracene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Benzo(b)fluoranthene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Benzo(k)fluoranthene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Benzo(a)pyrene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	%R	82		Fluorene-d10
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	%R	93		Pyrene-d10
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	%R	81		Benzo(a)pyrene-d12
TO-13A	20220216-18-NW-SAM4	02/16/2022 08:44	02/18/2022 07:15	%R	78		Fluoranthene-d10
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Naphthalene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	2-Methylnaphthalene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	2-Chloronaphthalene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	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	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Acenaphthene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Fluorene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Phenanthrene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Anthracene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Fluoranthene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Pyrene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Chrysene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Benzo(a)anthracene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Benzo(b)fluoranthene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Benzo(k)fluoranthene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Benzo(a)pyrene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	%R	76		Fluorene-d10
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	%R	84		Pyrene-d10
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	%R	77		Benzo(a)pyrene-d12
TO-13A	20220216-18-SAM6	02/16/2022 08:52	02/18/2022 07:40	%R	72		Fluoranthene-d10

ND - Non Detect

E - Exceeds instrument calibration range

Q - Exceeds quality control limits

S - Saturated peak

J - Estimated value

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

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

N - The identification is based on presumptive evidence.

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