

Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

28 February 2022

Project No.: 0529307

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1. INTRODUCTION

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

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



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

This weekly summary presents the real-time ambient air quality and meteorological data collected from February 16, 2022 through February 22, 2022. The laboratory results were collected from January 26, 2022 through February 9, 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 Summary¹

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 ³)	2/16/2022 – 2/22/2022	0	103	360
VOC (1-minute average, µg/m ³)	2/16/2022 – 2/22/2022	0	0.1	156.7
Benzene, Real-time GC (1-minute average µg/m ³)	2/16/2022 – 2/22/2022	0	NM	156.7
Styrene, Method 325B (14 day sample period, µg/m ³)	1/26/2022 – 2/9/2022	0	0.21	205,000
Benzene, Method 325B (14 day sample period, µg/m ³)	1/26/2022 – 2/9/2022	0	0.82	16.5
Toluene, Method 325B (14 day sample period, µg/m ³)	1/26/2022 – 2/9/2022	0	0.65	23,400
Xylenes (total), Method 325B (14 day sample period, µg/m ³)	1/26/2022 – 2/9/2022	0	0.28	41,000
Ethylbenzene, Method 325B (14 day sample period, µg/m ³)	1/26/2022 – 2/9/2022	0	0.28	59,400
2-methylnaphthalene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	820
Acenaphthene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	12,300
Acenaphthylene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	615
Anthracene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	615
Benzo(a)anthracene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	1.54
Benzo(a)pyrene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	0.154
Benzo(k)fluoranthene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	15.4
Benzo(b)fluoranthene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	15.4
Chrysene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	154

CONSTITUENTS OF CONCERN, SAMPLING PERIOD, UNITS	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL
Dibenzo(a,h)anthracene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	0.154
Fluoranthene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	8,200
Fluorene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	8,200
Indeno(1,2,3-cd)pyrene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	1.54
Napthalene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	176
Phenanthrene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	6,150
Pyrene, Method TO-13A (3 day sample period, µg/m ³)	1/31/2022 – 2/9/2022	0	ND	6,150

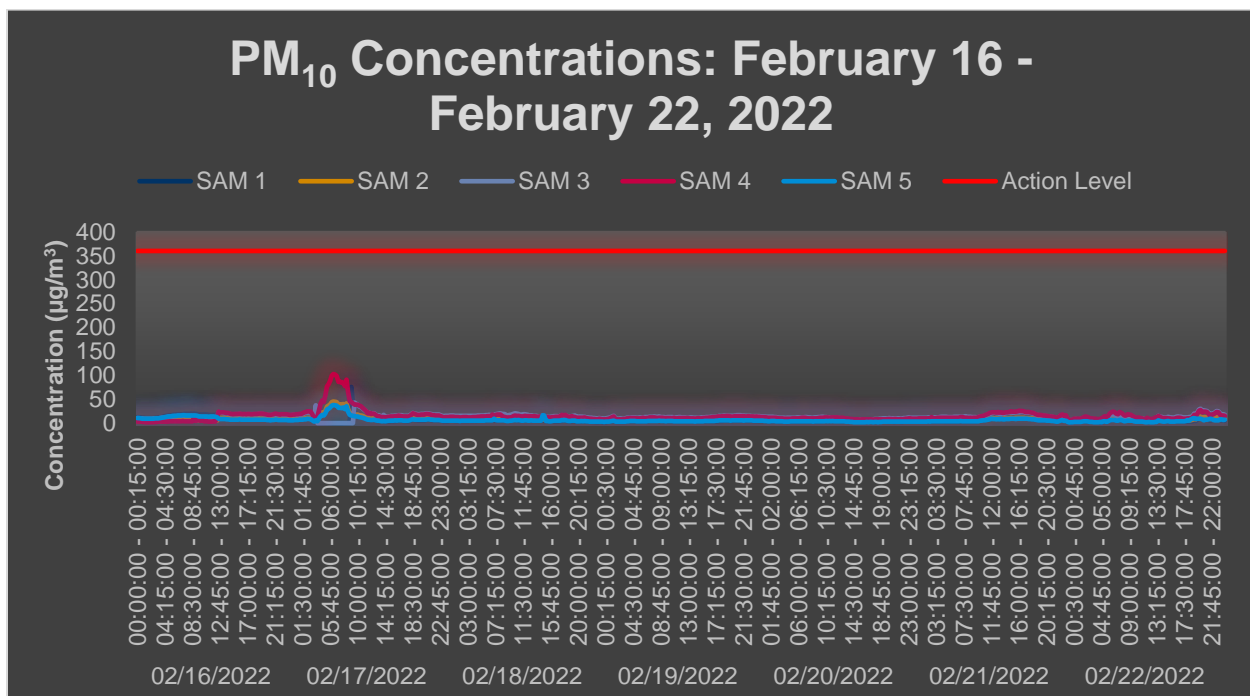
¹Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

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

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

The preliminary (not fully quality-assured) data record for the reporting period is contained in Appendix A. PM₁₀ concentrations for the week are presented in Figure 2.

Figure 2: PM₁₀ Concentrations



APPENDIX A COMPLETE PRELIMINARY DATA RECORD



Appendix A: Complete Preliminary Data Record

Date	Timestamp	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]
02/16/2022	00:00:00 - 00:15:00	12	4	10	3	11	1.2	145	6.3	69	990.4
02/16/2022	00:15:00 - 00:30:00	12	4	10	3	10	1.1	149	6.0	71	990.1
02/16/2022	00:30:00 - 00:45:00	12	4	10	3	10	1.1	151	5.7	72	990.0
02/16/2022	00:45:00 - 01:00:00	11	4	10	2	9	1.5	169	5.5	72	989.9
02/16/2022	01:00:00 - 01:15:00	11	4	10	2	9	1.3	156	5.4	72	989.8
02/16/2022	01:15:00 - 01:30:00	11	4	9	2	9	1.4	156	5.2	73	989.7
02/16/2022	01:30:00 - 01:45:00	10	4	9	2	9	1.2	141	5.2	72	989.7
02/16/2022	01:45:00 - 02:00:00	10	4	9	2	9	1.4	158	5.5	71	989.5
02/16/2022	02:00:00 - 02:15:00	11	4	9	2	9	1.5	167	5.4	71	989.4
02/16/2022	02:15:00 - 02:30:00	11	4	9	2	9	1.3	158	5.3	72	989.5
02/16/2022	02:30:00 - 02:45:00	11	4	10	2	10	1.2	165	5.4	71	989.4
02/16/2022	02:45:00 - 03:00:00	11	4	9	2	10	1.3	159	5.4	71	989.2
02/16/2022	03:00:00 - 03:15:00	11	4	10	2	10	1.3	158	5.3	72	989.1
02/16/2022	03:15:00 - 03:30:00	12	4	10	3	10	1.5	160	5.4	72	988.9
02/16/2022	03:30:00 - 03:45:00	12	4	10	3	11	1.3	156	5.4	72	988.8
02/16/2022	03:45:00 - 04:00:00	13	5	11	3	11	1.3	167	5.2	73	988.9
02/16/2022	04:00:00 - 04:15:00	14	5	12	3	12	1.3	169	5.2	74	988.9
02/16/2022	04:15:00 - 04:30:00	14	5	12	3	13	1.4	161	5.2	75	988.9
02/16/2022	04:30:00 - 04:45:00	15	5	13	3	13	1.5	159	5.3	74	988.8
02/16/2022	04:45:00 - 05:00:00	16	6	13	3	14	1.5	156	5.4	75	988.7
02/16/2022	05:00:00 - 05:15:00	16	6	14	4	14	1.5	154	5.3	75	988.6
02/16/2022	05:15:00 - 05:30:00	17	6	14	4	14	1.5	150	5.1	76	988.6
02/16/2022	05:30:00 - 05:45:00	17	6	14	4	15	1.4	157	5.1	77	988.4
02/16/2022	05:45:00 - 06:00:00	17	6	14	4	15	1.5	141	5.1	77	988.4
02/16/2022	06:00:00 - 06:15:00	18	6	15	4	15	1.2	145	5.1	78	988.2
02/16/2022	06:15:00 - 06:30:00	18	6	15	4	16	1.6	160	5.3	78	988.1
02/16/2022	06:30:00 - 06:45:00	18	6	15	4	16	1.6	176	5.5	78	988.0
02/16/2022	06:45:00 - 07:00:00	19	6	15	4	16	1.7	166	5.6	78	988.0
02/16/2022	07:00:00 - 07:15:00	19	7	15	4	16	2.0	177	5.7	79	988.0
02/16/2022	07:15:00 - 07:30:00	19	7	16	4	17	2.0	179	5.9	79	988.2
02/16/2022	07:30:00 - 07:45:00	19	6	15	4	16	1.9	167	6.3	78	988.2
02/16/2022	07:45:00 - 08:00:00	19	6	15	4	16	1.6	169	6.6	78	988.4
02/16/2022	08:00:00 - 08:15:00	19	7	15	4	16	1.6	171	6.8	78	988.5
02/16/2022	08:15:00 - 08:30:00	20	6	15	4	16	1.6	171	6.9	79	988.6
02/16/2022	08:30:00 - 08:45:00	20	6	15	4	16	1.3	172	7.8	78	988.8
02/16/2022	08:45:00 - 09:00:00	20	6	15	13	16	1.3	171	8.1	78	988.9
02/16/2022	09:00:00 - 09:15:00	19	6	14	5	16	1.2	155	8.6	77	988.8
02/16/2022	09:15:00 - 09:30:00	19	6	14	6	15	2.1	199	9.5	76	988.8
02/16/2022	09:30:00 - 09:45:00	18	6	13	7	14	1.9	193	10.2	74	988.7
02/16/2022	09:45:00 - 10:00:00	18	6	12	5	14	2.5	201	10.3	75	988.6
02/16/2022	10:00:00 - 10:15:00	18	6	12	7	14	2.8	204	10.1	76	988.6
02/16/2022	10:15:00 - 10:30:00	18	6	12	4	14	2.2	200	9.9	78	988.5
02/16/2022	10:30:00 - 10:45:00	18	6	12	4	14	1.7	194	9.8	79	988.3
02/16/2022	10:45:00 - 11:00:00	18	6	12	4	14	1.6	180	10.2	79	988.0
02/16/2022	11:00:00 - 11:15:00	17	6	12	3	13	1.7	195	10.4	78	987.9
02/16/2022	11:15:00 - 11:30:00	17	6	12	3	14	1.6	184	10.5	78	987.7
02/16/2022	11:30:00 - 11:45:00	17	6	12	4	14	1.4	177	10.3	79	987.5
02/16/2022	11:45:00 - 12:00:00	17	6	12	4	14	1.6	182	10.2	81	987.3
02/16/2022	12:00:00 - 12:15:00	17	6	12	4	13	1.4	182	10.6	80	987.0
02/16/2022	12:15:00 - 12:30:00	16	5	11	11	13	2.1	187	11.1	80	986.8
02/16/2022	12:30:00 - 12:45:00	13	9	22	24	9	2.4	196	11.5	80	986.4
02/16/2022	12:45:00 - 13:00:00	10	11	22	23	9	2.1	198	11.6	80	986.2
02/16/2022	13:00:00 - 13:15:00	9	11	22	23	9	2.5	194	11.6	80	986.0
02/16/2022	13:15:00 - 13:30:00	9	11	22	22	9	2.6	205	11.6	81	985.8
02/16/2022	13:30:00 - 13:45:00	9	11	21	22	8	2.3	195	11.9	80	985.8
02/16/2022	13:45:00 - 14:00:00	9	10	20	21	8	2.7	201	12.0	80	985.7
02/16/2022	14:00:00 - 14:15:00	9	10	20	21	8	2.7	208	12.2	80	985.8
02/16/2022	14:15:00 - 14:30:00	8	10	19	20	7	2.6	196	12.6	79	985.8
02/16/2022	14:30:00 - 14:45:00	8	9	18	19	7	2.7	197	12.7	78	985.7
02/16/2022	14:45:00 - 15:00:00	8	9	18	19	7	2.5	198	12.5	79	985.6
02/16/2022	15:00:00 - 15:15:00	8	9	18	19	7	2.5	208	12.4	79	985.8
02/16/2022	15:15:00 - 15:30:00	8	9	19	19	7	1.7	193	12.1	79	986.0

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]
02/16/2022	15:30:00 - 15:45:00	8	10	19	19	7	1.0	176	11.7	79	986.2
02/16/2022	15:45:00 - 16:00:00	8	10	19	20	8	1.6	173	11.0	82	986.2
02/16/2022	16:00:00 - 16:15:00	8	9	19	19	7	1.5	181	10.7	83	986.2
02/16/2022	16:15:00 - 16:30:00	8	9	18	19	7	1.1	171	10.2	84	986.1
02/16/2022	16:30:00 - 16:45:00	8	9	18	19	7	1.6	171	10.1	84	986.0
02/16/2022	16:45:00 - 17:00:00	8	9	19	19	7	1.4	178	9.8	84	985.8
02/16/2022	17:00:00 - 17:15:00	8	9	19	19	7	1.4	177	9.8	85	985.9
02/16/2022	17:15:00 - 17:30:00	8	9	19	19	7	1.5	173	10.0	85	986.0
02/16/2022	17:30:00 - 17:45:00	8	9	18	19	7	1.5	172	10.1	85	986.1
02/16/2022	17:45:00 - 18:00:00	8	9	19	19	7	1.2	151	10.2	84	986.2
02/16/2022	18:00:00 - 18:15:00	8	9	19	19	7	1.2	173	10.1	84	986.1
02/16/2022	18:15:00 - 18:30:00	8	9	19	19	7	1.0	168	10.0	85	986.0
02/16/2022	18:30:00 - 18:45:00	8	9	19	19	7	0.9	158	10.0	84	985.8
02/16/2022	18:45:00 - 19:00:00	8	10	19	20	7	1.1	160	10.0	84	985.6
02/16/2022	19:00:00 - 19:15:00	8	9	19	20	7	1.1	174	9.7	87	985.4
02/16/2022	19:15:00 - 19:30:00	8	10	19	20	7	0.9	160	9.5	88	985.1
02/16/2022	19:30:00 - 19:45:00	8	9	18	19	7	1.2	166	9.7	88	984.8
02/16/2022	19:45:00 - 20:00:00	7	9	18	19	7	1.1	179	9.6	89	984.7
02/16/2022	20:00:00 - 20:15:00	7	9	17	18	7	1.1	173	9.7	89	984.5
02/16/2022	20:15:00 - 20:30:00	7	9	17	17	6	1.1	176	9.9	88	984.2
02/16/2022	20:30:00 - 20:45:00	7	8	17	17	6	1.5	171	10.1	88	984.1
02/16/2022	20:45:00 - 21:00:00	7	9	17	18	6	1.5	175	10.5	86	984.0
02/16/2022	21:00:00 - 21:15:00	7	9	18	18	7	1.5	174	10.5	87	984.0
02/16/2022	21:15:00 - 21:30:00	8	9	18	20	7	1.8	185	10.2	92	984.2
02/16/2022	21:30:00 - 21:45:00	8	9	18	19	7	1.3	176	9.8	94	983.8
02/16/2022	21:45:00 - 22:00:00	7	9	18	19	7	1.2	164	9.8	93	983.8
02/16/2022	22:00:00 - 22:15:00	7	9	17	18	7	1.3	181	10.3	91	983.7
02/16/2022	22:15:00 - 22:30:00	7	9	17	18	6	1.5	174	10.6	89	983.5
02/16/2022	22:30:00 - 22:45:00	7	9	17	18	6	1.8	173	10.5	89	983.3
02/16/2022	22:45:00 - 23:00:00	7	9	17	19	7	1.9	192	11.0	91	983.1
02/16/2022	23:00:00 - 23:15:00	7	9	17	18	6	1.7	193	11.8	90	983.2
02/16/2022	23:15:00 - 23:30:00	7	8	17	18	6	2.1	185	11.8	89	983.1
02/16/2022	23:30:00 - 23:45:00	7	8	16	17	6	1.6	181	11.4	90	983.2
02/17/2022	23:45:00 - 00:00:00	7	8	17	18	6	2.2	202	11.3	91	983.1
02/17/2022	00:00:00 - 00:15:00	7	8	17	18	6	2.1	202	11.1	92	983.1
02/17/2022	00:15:00 - 00:30:00	7	9	17	18	6	2.5	199	10.9	93	983.1
02/17/2022	00:30:00 - 00:45:00	7	9	17	18	6	2.0	197	10.9	94	982.8
02/17/2022	00:45:00 - 01:00:00	7	9	17	19	7	2.2	196	11.0	94	982.9
02/17/2022	01:00:00 - 01:15:00	7	9	18	19	7	2.2	202	10.9	94	982.7
02/17/2022	01:15:00 - 01:30:00	8	9	18	19	7	2.3	196	10.8	95	982.7
02/17/2022	01:30:00 - 01:45:00	8	9	19	20	7	2.2	192	10.9	95	982.7
02/17/2022	01:45:00 - 02:00:00	9	10	20	23	8	2.1	212	10.6	96	982.9
02/17/2022	02:00:00 - 02:15:00	9	11	21	23	8	2.0	214	10.2	98	983.2
02/17/2022	02:15:00 - 02:30:00	10	11	22	25	9	1.8	215	10.2	99	983.0
02/17/2022	02:30:00 - 02:45:00	9	11	22	25	9	1.4	237	10.3	99	983.0
02/17/2022	02:45:00 - 03:00:00	9	11	21	24	8	1.6	256	10.1	99	982.9
02/17/2022	03:00:00 - 03:15:00	7	9	18	18	6	1.9	306	9.1	98	983.2
02/17/2022	03:15:00 - 03:30:00	4	5	11	10	3	1.0	356	6.4	98	983.5
02/17/2022	03:30:00 - 03:45:00	15	8	37	11	6	0.8	99	6.0	99	983.3
02/17/2022	03:45:00 - 04:00:00	Offline	7	Offline	13	4	Offline	Offline	Offline	Offline	Offline
02/17/2022	04:00:00 - 04:15:00	Offline	13	Offline	27	10	Offline	Offline	Offline	Offline	Offline
02/17/2022	04:15:00 - 04:30:00	Offline	19	Offline	41	15	Offline	Offline	Offline	Offline	Offline
02/17/2022	04:30:00 - 04:45:00	Offline	22	Offline	47	17	Offline	Offline	Offline	Offline	Offline
02/17/2022	04:45:00 - 05:00:00	Offline	20	Offline	44	16	Offline	Offline	Offline	Offline	Offline
02/17/2022	05:00:00 - 05:15:00	Offline	26	Offline	58	21	Offline	Offline	Offline	Offline	Offline
02/17/2022	05:15:00 - 05:30:00	Offline	35	Offline	77	28	Offline	Offline	Offline	Offline	Offline
02/17/2022	05:30:00 - 05:45:00	Offline	37	Offline	82	30	Offline	Offline	Offline	Offline	Offline
02/17/2022	05:45:00 - 06:00:00	Offline	39	Offline	89	33	Offline	Offline	Offline	Offline	Offline
02/17/2022	06:00:00 - 06:15:00	Offline	44	Offline	100	37	Offline	Offline	Offline	Offline	Offline
02/17/2022	06:15:00 - 06:30:00	Offline	45	Offline	103	38	Offline	Offline	Offline	Offline	Offline
02/17/2022	06:30:00 - 06:45:00	Offline	45	Offline	102	37	Offline	Offline	Offline	Offline	Offline
02/17/2022	06:45:00 - 07:00:00	Offline	44	Offline	99	37	Offline	Offline	Offline	Offline	Offline

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1-5					Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/17/2022	07:00:00 - 07:15:00	Offline	39	Offline	86	32	Offline	Offline	Offline	Offline	Offline
02/17/2022	07:15:00 - 07:30:00	Offline	39	Offline	87	32	Offline	Offline	Offline	Offline	Offline
02/17/2022	07:30:00 - 07:45:00	Offline	39	Offline	84	31	Offline	Offline	Offline	Offline	Offline
02/17/2022	07:45:00 - 08:00:00	Offline	40	Offline	85	33	Offline	Offline	Offline	Offline	Offline
02/17/2022	08:00:00 - 08:15:00	Offline	35	Offline	77	30	Offline	Offline	Offline	Offline	Offline
02/17/2022	08:15:00 - 08:30:00	Offline	41	Offline	91	35	Offline	Offline	Offline	Offline	Offline
02/17/2022	08:30:00 - 08:45:00	Offline	30	Offline	65	24	Offline	Offline	Offline	Offline	Offline
02/17/2022	08:45:00 - 09:00:00	Offline	21	Offline	46	17	Offline	Offline	Offline	Offline	Offline
02/17/2022	09:00:00 - 09:15:00	76	20	Offline	44	16	0.6	341	0.6	98	985.0
02/17/2022	09:15:00 - 09:30:00	42	19	Offline	41	16	2.2	37	0.4	97	984.9
02/17/2022	09:30:00 - 09:45:00	24	18	43	38	14	2.9	42	0.0	97	984.3
02/17/2022	09:45:00 - 10:00:00	19	18	41	39	14	2.7	39	-0.2	97	984.0
02/17/2022	10:00:00 - 10:15:00	17	18	39	39	14	2.1	36	-0.2	98	984.0
02/17/2022	10:15:00 - 10:30:00	14	16	35	37	13	2.4	40	-0.3	98	984.3
02/17/2022	10:30:00 - 10:45:00	14	16	33	35	12	2.3	41	-0.3	99	984.4
02/17/2022	10:45:00 - 11:00:00	12	15	31	32	11	2.0	41	-0.4	99	984.1
02/17/2022	11:00:00 - 11:15:00	11	13	27	28	10	2.1	49	-0.4	99	984.0
02/17/2022	11:15:00 - 11:30:00	9	12	24	25	9	2.1	50	-0.4	100	984.0
02/17/2022	11:30:00 - 11:45:00	7	10	21	21	7	2.1	44	-0.4	100	984.1
02/17/2022	11:45:00 - 12:00:00	8	11	22	22	8	2.3	24	-0.4	100	984.5
02/17/2022	12:00:00 - 12:15:00	7	9	19	19	7	2.7	18	-0.5	100	983.9
02/17/2022	12:15:00 - 12:30:00	7	10	21	20	7	2.1	10	-0.7	99	982.7
02/17/2022	12:30:00 - 12:45:00	7	10	21	20	7	2.1	24	-0.9	99	983.3
02/17/2022	12:45:00 - 13:00:00	6	8	18	17	6	2.5	16	-1.2	98	983.1
02/17/2022	13:00:00 - 13:15:00	5	7	16	15	5	3.0	21	-1.4	98	982.8
02/17/2022	13:15:00 - 13:30:00	5	8	17	15	5	3.4	18	-1.8	98	982.8
02/17/2022	13:30:00 - 13:45:00	4	7	15	13	5	2.8	23	-2.1	99	983.5
02/17/2022	13:45:00 - 14:00:00	4	7	14	12	4	17.0	325	-2.3	100	983.4
02/17/2022	14:00:00 - 14:15:00	6	7	18	13	5	20.0	322	-2.5	100	982.7
02/17/2022	14:15:00 - 14:30:00	3	6	13	12	4	2.4	29	-2.6	100	981.8
02/17/2022	14:30:00 - 14:45:00	4	7	13	13	4	2.7	28	-2.9	100	981.4
02/17/2022	14:45:00 - 15:00:00	4	7	14	13	5	3.4	29	-3.0	100	980.3
02/17/2022	15:00:00 - 15:15:00	4	7	15	14	5	3.0	30	-2.9	100	980.4
02/17/2022	15:15:00 - 15:30:00	4	8	15	14	5	15.4	128	-3.3	99	980.4
02/17/2022	15:30:00 - 15:45:00	4	8	15	14	5	20.1	132	-3.6	99	980.6
02/17/2022	15:45:00 - 16:00:00	5	8	16	15	6	20.4	132	-3.8	99	981.1
02/17/2022	16:00:00 - 16:15:00	5	8	15	15	5	18.9	133	-4.0	99	981.8
02/17/2022	16:15:00 - 16:30:00	5	9	17	16	6	2.1	6	-4.0	99	982.7
02/17/2022	16:30:00 - 16:45:00	5	9	17	15	6	2.5	357	-4.2	99	983.3
02/17/2022	16:45:00 - 17:00:00	5	8	17	15	6	1.9	100	-4.4	99	984.3
02/17/2022	17:00:00 - 17:15:00	5	8	15	14	6	16.8	133	-4.7	99	984.6
02/17/2022	17:15:00 - 17:30:00	5	8	15	14	5	21.5	319	-4.9	99	985.0
02/17/2022	17:30:00 - 17:45:00	4	8	15	14	5	21.9	320	-5.1	98	985.3
02/17/2022	17:45:00 - 18:00:00	4	8	15	14	5	22.5	319	-5.3	98	986.0
02/17/2022	18:00:00 - 18:15:00	5	9	16	15	6	22.1	319	-5.3	99	986.3
02/17/2022	18:15:00 - 18:30:00	6	10	19	18	7	22.0	319	-5.4	98	986.6
02/17/2022	18:30:00 - 18:45:00	7	11	21	20	8	22.2	319	-5.6	98	987.0
02/17/2022	18:45:00 - 19:00:00	7	10	20	19	7	22.4	318	-6.0	98	987.2
02/17/2022	19:00:00 - 19:15:00	6	10	19	18	7	22.0	319	-6.2	98	987.6
02/17/2022	19:15:00 - 19:30:00	6	10	18	17	7	22.3	319	-6.4	98	987.9
02/17/2022	19:30:00 - 19:45:00	6	10	18	17	7	22.3	319	-6.5	98	988.2
02/17/2022	19:45:00 - 20:00:00	6	10	19	18	7	22.0	319	-6.7	98	988.4
02/17/2022	20:00:00 - 20:15:00	6	10	19	18	7	22.3	319	-6.8	97	988.9
02/17/2022	20:15:00 - 20:30:00	6	10	19	18	7	22.0	318	-7.0	97	989.2
02/17/2022	20:30:00 - 20:45:00	7	11	20	19	7	22.1	318	-7.2	97	989.4
02/17/2022	20:45:00 - 21:00:00	7	11	21	19	8	22.4	318	-7.6	97	989.9
02/17/2022	21:00:00 - 21:15:00	7	11	20	19	8	22.1	318	-7.8	97	990.1
02/17/2022	21:15:00 - 21:30:00	6	10	19	18	7	22.1	318	-8.0	96	990.6
02/17/2022	21:30:00 - 21:45:00	6	10	19	17	7	22.1	318	-8.2	96	991.0
02/17/2022	21:45:00 - 22:00:00	6	9	18	16	6	22.0	317	-8.4	96	991.2
02/17/2022	22:00:00 - 22:15:00	6	9	18	16	6	20.8	317	-8.5	96	991.5
02/17/2022	22:15:00 - 22:30:00	6	10	18	16	6	2.2	310	-8.7	96	992.1

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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]
02/17/2022	22:30:00 - 22:45:00	6	10	18	16	6	2.0	316	-8.9	95	992.4
02/17/2022	22:45:00 - 23:00:00	5	9	17	14	6	2.1	311	-9.1	94	992.6
02/17/2022	23:00:00 - 23:15:00	4	8	15	13	5	2.1	312	-9.3	93	992.9
02/17/2022	23:15:00 - 23:30:00	4	7	15	12	5	2.1	323	-9.5	92	993.2
02/17/2022	23:30:00 - 23:45:00	4	8	15	13	5	1.6	317	-9.7	92	993.5
02/18/2022	23:45:00 - 00:00:00	4	8	15	12	5	1.8	305	-9.9	91	993.7
02/18/2022	00:00:00 - 00:15:00	4	8	15	13	5	1.7	306	-10.1	91	993.9
02/18/2022	00:15:00 - 00:30:00	5	9	16	13	5	1.4	307	-10.4	91	994.2
02/18/2022	00:30:00 - 00:45:00	5	9	16	13	5	1.3	308	-10.6	91	994.5
02/18/2022	00:45:00 - 01:00:00	5	9	16	13	5	1.6	313	-10.7	90	994.9
02/18/2022	01:00:00 - 01:15:00	5	8	15	13	5	1.6	306	-10.9	90	995.2
02/18/2022	01:15:00 - 01:30:00	5	8	15	13	5	1.4	306	-11.2	90	995.4
02/18/2022	01:30:00 - 01:45:00	5	9	15	13	5	1.8	302	-11.4	89	995.8
02/18/2022	01:45:00 - 02:00:00	4	8	15	12	5	1.5	310	-11.6	89	995.9
02/18/2022	02:00:00 - 02:15:00	4	8	15	12	5	1.5	308	-11.8	89	996.0
02/18/2022	02:15:00 - 02:30:00	4	8	15	12	5	1.4	309	-12.0	89	996.1
02/18/2022	02:30:00 - 02:45:00	4	8	15	12	5	1.2	307	-12.2	89	996.2
02/18/2022	02:45:00 - 03:00:00	5	9	15	12	5	1.2	304	-12.5	89	996.4
02/18/2022	03:00:00 - 03:15:00	4	9	15	12	5	1.2	305	-12.7	89	996.7
02/18/2022	03:15:00 - 03:30:00	5	9	15	12	5	1.0	295	-12.9	89	996.7
02/18/2022	03:30:00 - 03:45:00	5	10	15	12	5	1.1	297	-13.2	89	996.8
02/18/2022	03:45:00 - 04:00:00	5	10	15	13	5	1.2	300	-13.3	89	996.9
02/18/2022	04:00:00 - 04:15:00	5	10	15	13	5	1.2	297	-13.4	89	997.2
02/18/2022	04:15:00 - 04:30:00	5	9	15	12	5	1.0	298	-13.5	89	997.3
02/18/2022	04:30:00 - 04:45:00	5	9	16	13	5	1.1	292	-13.6	90	997.5
02/18/2022	04:45:00 - 05:00:00	5	9	16	13	5	1.2	292	-13.6	90	997.6
02/18/2022	05:00:00 - 05:15:00	5	9	16	14	5	0.6	295	-13.7	90	997.7
02/18/2022	05:15:00 - 05:30:00	5	10	16	14	6	0.8	295	-13.8	90	997.8
02/18/2022	05:30:00 - 05:45:00	5	9	16	14	5	0.7	300	-13.8	90	997.9
02/18/2022	05:45:00 - 06:00:00	5	9	17	14	6	1.0	286	-13.9	91	998.1
02/18/2022	06:00:00 - 06:15:00	6	9	17	15	6	0.7	291	-13.9	91	998.1
02/18/2022	06:15:00 - 06:30:00	6	9	17	14	6	0.8	294	-13.9	91	998.2
02/18/2022	06:30:00 - 06:45:00	6	10	17	15	6	1.1	290	-13.8	91	998.4
02/18/2022	06:45:00 - 07:00:00	6	9	17	18	6	1.2	292	-13.7	90	998.5
02/18/2022	07:00:00 - 07:15:00	6	9	18	15	9	1.0	290	-13.5	90	998.5
02/18/2022	07:15:00 - 07:30:00	6	10	18	17	7	0.9	292	-12.9	90	998.5
02/18/2022	07:30:00 - 07:45:00	6	9	20	18	6	0.5	265	-12.2	89	998.5
02/18/2022	07:45:00 - 08:00:00	7	9	20	18	6	0.6	260	-11.5	88	998.6
02/18/2022	08:00:00 - 08:15:00	7	9	21	18	6	0.7	243	-11.0	88	998.7
02/18/2022	08:15:00 - 08:30:00	6	9	18	15	6	1.2	275	-10.8	87	998.7
02/18/2022	08:30:00 - 08:45:00	7	8	19	13	6	1.0	262	-10.4	86	998.4
02/18/2022	08:45:00 - 09:00:00	6	8	19	13	5	1.0	246	-10.2	85	998.4
02/18/2022	09:00:00 - 09:15:00	5	7	15	11	5	1.2	270	-9.8	85	998.5
02/18/2022	09:15:00 - 09:30:00	5	7	16	12	5	0.9	244	-9.0	85	998.6
02/18/2022	09:30:00 - 09:45:00	5	8	17	12	5	0.9	233	-8.8	84	998.6
02/18/2022	09:45:00 - 10:00:00	6	8	18	12	5	1.0	209	-8.2	84	998.5
02/18/2022	10:00:00 - 10:15:00	6	9	20	14	6	1.3	212	-7.8	83	998.2
02/18/2022	10:15:00 - 10:30:00	7	9	21	16	7	1.4	205	-7.8	82	998.2
02/18/2022	10:30:00 - 10:45:00	6	9	20	15	6	1.7	219	-7.5	81	998.2
02/18/2022	10:45:00 - 11:00:00	6	9	19	15	6	1.6	214	-7.4	81	997.9
02/18/2022	11:00:00 - 11:15:00	6	8	18	15	6	1.7	233	-6.9	81	997.8
02/18/2022	11:15:00 - 11:30:00	5	8	18	14	5	1.8	209	-6.4	79	997.6
02/18/2022	11:30:00 - 11:45:00	6	8	18	14	6	1.9	191	-6.0	77	997.2
02/18/2022	11:45:00 - 12:00:00	6	8	19	15	6	2.0	204	-5.6	76	996.9
02/18/2022	12:00:00 - 12:15:00	6	8	18	15	6	2.2	202	-5.1	75	996.5
02/18/2022	12:15:00 - 12:30:00	6	8	17	14	6	2.1	190	-4.7	74	996.0
02/18/2022	12:30:00 - 12:45:00	5	7	15	14	5	2.2	189	-4.5	72	995.5
02/18/2022	12:45:00 - 13:00:00	6	8	16	15	6	2.4	194	-4.0	71	995.0
02/18/2022	13:00:00 - 13:15:00	5	7	15	14	5	2.4	194	-3.8	70	994.8
02/18/2022	13:15:00 - 13:30:00	5	7	15	15	5	2.7	196	-3.4	70	994.7
02/18/2022	13:30:00 - 13:45:00	5	8	15	14	5	2.3	195	-2.8	68	994.5
02/18/2022	13:45:00 - 14:00:00	5	7	15	13	5	2.0	187	-2.3	66	994.3

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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]
02/18/2022	14:00:00 - 14:15:00	5	7	14	14	5	2.7	196	-2.2	64	994.1
02/18/2022	14:15:00 - 14:30:00	5	7	14	14	5	2.3	195	-2.1	66	994.0
02/18/2022	14:30:00 - 14:45:00	6	8	16	16	17	2.2	190	-1.9	66	994.1
02/18/2022	14:45:00 - 15:00:00	5	7	15	15	16	2.5	196	-1.7	65	994.0
02/18/2022	15:00:00 - 15:15:00	5	7	13	13	5	2.6	193	-1.6	64	993.7
02/18/2022	15:15:00 - 15:30:00	4	6	13	13	4	2.2	189	-1.3	64	993.3
02/18/2022	15:30:00 - 15:45:00	4	6	13	12	4	2.4	189	-1.3	64	993.1
02/18/2022	15:45:00 - 16:00:00	4	6	13	11	4	2.7	194	-1.5	66	992.7
02/18/2022	16:00:00 - 16:15:00	4	7	14	13	5	2.3	197	-1.5	68	992.2
02/18/2022	16:15:00 - 16:30:00	4	7	15	13	5	2.3	189	-1.5	71	991.9
02/18/2022	16:30:00 - 16:45:00	4	7	15	13	5	1.7	183	-1.4	72	991.6
02/18/2022	16:45:00 - 17:00:00	4	7	14	13	5	2.1	190	-1.5	73	991.5
02/18/2022	17:00:00 - 17:15:00	4	7	14	13	5	2.0	185	-1.6	73	991.2
02/18/2022	17:15:00 - 17:30:00	5	7	15	15	5	2.0	188	-1.9	75	991.1
02/18/2022	17:30:00 - 17:45:00	5	8	16	17	6	2.7	190	-2.0	75	990.8
02/18/2022	17:45:00 - 18:00:00	5	8	16	16	6	2.2	186	-1.9	76	990.7
02/18/2022	18:00:00 - 18:15:00	5	8	17	17	6	2.7	195	-1.8	76	990.6
02/18/2022	18:15:00 - 18:30:00	4	7	15	15	6	2.7	188	-1.7	76	990.5
02/18/2022	18:30:00 - 18:45:00	4	7	13	12	5	3.2	191	-1.6	76	990.2
02/18/2022	18:45:00 - 19:00:00	4	7	13	13	5	3.8	201	-1.5	76	989.9
02/18/2022	19:00:00 - 19:15:00	4	8	15	15	5	2.9	196	-1.4	77	989.8
02/18/2022	19:15:00 - 19:30:00	4	8	15	14	5	2.3	199	-1.4	77	990.1
02/18/2022	19:30:00 - 19:45:00	5	8	16	13	5	2.5	200	-1.3	77	990.1
02/18/2022	19:45:00 - 20:00:00	3	6	13	11	4	2.8	207	-1.0	75	990.2
02/18/2022	20:00:00 - 20:15:00	4	7	14	11	4	3.2	204	-0.9	75	990.1
02/18/2022	20:15:00 - 20:30:00	3	6	12	11	4	3.3	207	-1.0	76	990.0
02/18/2022	20:30:00 - 20:45:00	4	7	14	11	4	2.8	205	-1.0	76	989.8
02/18/2022	20:45:00 - 21:00:00	3	6	12	11	4	3.2	207	-1.1	77	989.6
02/18/2022	21:00:00 - 21:15:00	4	7	13	12	5	3.0	198	-0.9	78	989.0
02/18/2022	21:15:00 - 21:30:00	3	6	12	11	4	3.1	208	-0.7	76	989.2
02/18/2022	21:30:00 - 21:45:00	3	6	12	10	4	2.6	207	-0.7	76	989.8
02/18/2022	21:45:00 - 22:00:00	3	6	11	9	3	2.5	217	-0.4	75	989.7
02/18/2022	22:00:00 - 22:15:00	3	6	11	9	3	2.0	212	-0.4	75	989.7
02/18/2022	22:15:00 - 22:30:00	3	5	11	9	3	1.9	210	-0.3	75	989.7
02/18/2022	22:30:00 - 22:45:00	2	5	10	9	3	2.0	212	-0.2	76	989.7
02/18/2022	22:45:00 - 23:00:00	2	5	10	8	3	2.1	251	0.0	76	990.2
02/18/2022	23:00:00 - 23:15:00	2	5	10	8	3	1.8	238	0.0	76	990.4
02/18/2022	23:15:00 - 23:30:00	3	6	11	9	3	2.5	258	0.1	76	990.5
02/18/2022	23:30:00 - 23:45:00	2	5	10	8	3	3.2	262	0.6	73	990.6
02/19/2022	23:45:00 - 00:00:00	2	5	10	8	3	3.6	263	1.0	69	990.8
02/19/2022	00:00:00 - 00:15:00	2	5	9	8	3	3.6	268	0.8	69	991.0
02/19/2022	00:15:00 - 00:30:00	2	5	10	8	3	3.2	273	0.6	69	991.2
02/19/2022	00:30:00 - 00:45:00	3	6	11	9	3	3.1	277	0.4	68	991.4
02/19/2022	00:45:00 - 01:00:00	3	6	11	10	3	3.2	278	0.1	70	991.5
02/19/2022	01:00:00 - 01:15:00	3	7	12	10	4	2.8	287	-0.1	74	991.8
02/19/2022	01:15:00 - 01:30:00	4	7	14	13	4	2.8	289	-0.5	79	992.3
02/19/2022	01:30:00 - 01:45:00	5	8	15	14	5	3.1	301	-0.9	82	992.7
02/19/2022	01:45:00 - 02:00:00	3	6	10	9	3	4.1	306	-1.9	69	993.2
02/19/2022	02:00:00 - 02:15:00	2	5	9	8	3	3.2	299	-3.1	63	993.5
02/19/2022	02:15:00 - 02:30:00	2	5	9	8	3	3.4	308	-4.0	59	993.8
02/19/2022	02:30:00 - 02:45:00	2	5	10	8	3	3.3	313	-5.0	58	994.3
02/19/2022	02:45:00 - 03:00:00	2	5	10	8	3	3.1	313	-5.6	61	994.7
02/19/2022	03:00:00 - 03:15:00	3	6	9	8	3	3.6	303	-5.8	60	995.2
02/19/2022	03:15:00 - 03:30:00	3	6	10	9	3	3.3	301	-6.1	61	995.5
02/19/2022	03:30:00 - 03:45:00	3	6	11	10	4	2.8	311	-6.5	65	995.9
02/19/2022	03:45:00 - 04:00:00	3	6	11	10	4	2.5	303	-6.9	69	996.3
02/19/2022	04:00:00 - 04:15:00	4	7	11	11	4	2.4	302	-7.2	71	996.7
02/19/2022	04:15:00 - 04:30:00	4	7	12	11	4	2.4	306	-7.3	72	997.1
02/19/2022	04:30:00 - 04:45:00	4	7	12	11	4	2.6	301	-7.5	72	997.6
02/19/2022	04:45:00 - 05:00:00	4	7	12	11	4	2.5	303	-7.9	71	998.1
02/19/2022	05:00:00 - 05:15:00	4	7	11	10	4	2.7	304	-8.4	69	998.5
02/19/2022	05:15:00 - 05:30:00	4	7	11	10	4	2.8	307	-8.9	68	999.1

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]
02/19/2022	05:30:00 - 05:45:00	3	7	12	10	4	2.8	307	-9.2	69	999.5
02/19/2022	05:45:00 - 06:00:00	3	7	12	10	4	2.9	305	-9.4	69	999.8
02/19/2022	06:00:00 - 06:15:00	4	7	12	11	4	2.7	308	-9.7	69	1000.2
02/19/2022	06:15:00 - 06:30:00	4	7	12	10	4	2.5	330	-9.9	70	1000.7
02/19/2022	06:30:00 - 06:45:00	4	7	13	11	4	2.2	329	-10.0	70	1001.2
02/19/2022	06:45:00 - 07:00:00	4	7	13	11	4	2.9	310	-10.2	70	1001.5
02/19/2022	07:00:00 - 07:15:00	5	7	13	12	5	2.7	317	-10.5	71	1002.0
02/19/2022	07:15:00 - 07:30:00	4	7	13	12	5	2.5	319	-10.4	71	1002.3
02/19/2022	07:30:00 - 07:45:00	4	7	13	12	5	3.2	310	-10.4	70	1002.6
02/19/2022	07:45:00 - 08:00:00	5	7	14	12	4	2.8	316	-10.1	69	1003.0
02/19/2022	08:00:00 - 08:15:00	4	7	13	11	4	2.7	324	-10.0	68	1003.4
02/19/2022	08:15:00 - 08:30:00	5	7	14	11	4	2.6	324	-9.9	66	1003.5
02/19/2022	08:30:00 - 08:45:00	5	8	14	11	5	2.4	331	-9.5	65	1003.8
02/19/2022	08:45:00 - 09:00:00	5	8	13	11	4	2.5	330	-9.4	64	1004.0
02/19/2022	09:00:00 - 09:15:00	4	7	13	11	5	2.5	322	-9.3	63	1004.0
02/19/2022	09:15:00 - 09:30:00	4	7	12	10	4	2.3	324	-9.0	63	1004.2
02/19/2022	09:30:00 - 09:45:00	4	7	12	10	4	2.8	322	-9.3	62	1004.4
02/19/2022	09:45:00 - 10:00:00	4	7	13	10	4	2.2	341	-8.9	62	1004.5
02/19/2022	10:00:00 - 10:15:00	4	6	12	11	4	2.3	335	-8.7	61	1004.5
02/19/2022	10:15:00 - 10:30:00	4	7	12	10	4	2.1	338	-8.7	62	1004.7
02/19/2022	10:30:00 - 10:45:00	4	6	13	10	4	1.9	348	-8.1	61	1004.9
02/19/2022	10:45:00 - 11:00:00	4	6	12	11	4	1.6	333	-8.0	60	1005.2
02/19/2022	11:00:00 - 11:15:00	4	6	12	10	4	1.7	333	-7.7	59	1005.6
02/19/2022	11:15:00 - 11:30:00	4	6	12	10	4	1.6	335	-7.9	60	1005.6
02/19/2022	11:30:00 - 11:45:00	4	6	12	10	4	1.5	329	-7.0	59	1005.3
02/19/2022	11:45:00 - 12:00:00	4	7	12	11	4	1.6	325	-7.0	60	1005.3
02/19/2022	12:00:00 - 12:15:00	4	6	12	11	4	1.9	312	-7.5	61	1005.2
02/19/2022	12:15:00 - 12:30:00	4	6	12	11	4	1.4	340	-6.5	58	1005.2
02/19/2022	12:30:00 - 12:45:00	4	6	12	11	4	1.6	310	-7.0	59	1004.9
02/19/2022	12:45:00 - 13:00:00	4	6	11	10	4	1.7	293	-7.1	59	1004.9
02/19/2022	13:00:00 - 13:15:00	4	6	12	10	4	1.9	288	-7.3	60	1005.0
02/19/2022	13:15:00 - 13:30:00	4	6	12	10	4	1.9	300	-7.0	59	1004.9
02/19/2022	13:30:00 - 13:45:00	4	7	12	10	4	1.5	307	-6.8	60	1004.8
02/19/2022	13:45:00 - 14:00:00	4	6	11	10	4	1.6	299	-6.8	59	1004.7
02/19/2022	14:00:00 - 14:15:00	4	6	11	9	3	1.5	301	-6.5	57	1004.7
02/19/2022	14:15:00 - 14:30:00	4	6	11	10	4	1.4	307	-6.3	57	1004.7
02/19/2022	14:30:00 - 14:45:00	4	6	11	10	4	1.2	290	-6.2	57	1004.5
02/19/2022	14:45:00 - 15:00:00	4	6	11	10	4	1.5	317	-6.1	55	1004.4
02/19/2022	15:00:00 - 15:15:00	4	6	12	10	4	1.6	312	-6.2	56	1004.5
02/19/2022	15:15:00 - 15:30:00	4	6	12	11	4	1.3	272	-6.6	57	1004.3
02/19/2022	15:30:00 - 15:45:00	4	6	12	11	4	0.5	315	-6.3	56	1004.1
02/19/2022	15:45:00 - 16:00:00	4	6	12	11	4	1.3	293	-6.7	56	1004.1
02/19/2022	16:00:00 - 16:15:00	4	6	13	11	5	1.1	277	-7.0	58	1004.1
02/19/2022	16:15:00 - 16:30:00	4	7	13	12	5	1.0	299	-7.0	61	1003.7
02/19/2022	16:30:00 - 16:45:00	4	7	13	11	5	0.9	217	-6.9	60	1003.5
02/19/2022	16:45:00 - 17:00:00	4	7	13	12	5	1.0	221	-7.1	61	1003.6
02/19/2022	17:00:00 - 17:15:00	4	7	14	12	5	1.3	213	-7.4	64	1003.4
02/19/2022	17:15:00 - 17:30:00	4	7	14	13	5	0.6	217	-7.9	66	1003.4
02/19/2022	17:30:00 - 17:45:00	4	8	14	14	5	0.8	231	-8.2	66	1003.3
02/19/2022	17:45:00 - 18:00:00	5	8	15	14	6	0.8	229	-8.2	67	1003.3
02/19/2022	18:00:00 - 18:15:00	5	8	15	14	6	0.5	217	-8.3	68	1003.2
02/19/2022	18:15:00 - 18:30:00	5	8	15	14	6	0.2	122	-8.3	70	1003.0
02/19/2022	18:30:00 - 18:45:00	5	8	16	15	6	0.3	100	-8.3	71	1002.9
02/19/2022	18:45:00 - 19:00:00	5	8	16	15	6	0.3	81	-8.4	72	1002.9
02/19/2022	19:00:00 - 19:15:00	5	8	16	15	6	0.3	212	-8.4	72	1002.8
02/19/2022	19:15:00 - 19:30:00	5	8	15	14	6	0.6	102	-8.3	72	1002.6
02/19/2022	19:30:00 - 19:45:00	5	8	15	14	5	0.5	81	-8.3	72	1002.3
02/19/2022	19:45:00 - 20:00:00	5	8	15	14	6	0.6	103	-8.2	72	1002.0
02/19/2022	20:00:00 - 20:15:00	5	8	15	14	6	0.6	123	-8.1	73	1001.5
02/19/2022	20:15:00 - 20:30:00	5	8	16	14	6	0.7	120	-8.0	73	1001.2
02/19/2022	20:30:00 - 20:45:00	5	8	17	15	6	0.9	122	-7.9	74	1000.9
02/19/2022	20:45:00 - 21:00:00	5	9	16	15	6	0.8	124	-7.7	74	1000.6

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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]
02/19/2022	21:00:00 - 21:15:00	5	9	16	15	6	0.5	141	-7.6	75	1000.6
02/19/2022	21:15:00 - 21:30:00	5	8	16	14	6	0.5	148	-7.6	76	1000.5
02/19/2022	21:30:00 - 21:45:00	5	8	16	14	5	0.6	133	-7.7	78	1000.3
02/19/2022	21:45:00 - 22:00:00	5	8	15	14	6	0.8	136	-7.6	79	1000.0
02/19/2022	22:00:00 - 22:15:00	5	8	15	14	6	0.9	139	-7.5	78	999.5
02/19/2022	22:15:00 - 22:30:00	5	8	15	14	6	0.5	172	-7.3	78	999.5
02/19/2022	22:30:00 - 22:45:00	5	8	15	14	6	0.4	116	-7.3	79	999.6
02/19/2022	22:45:00 - 23:00:00	5	8	15	14	6	1.1	121	-7.2	79	999.2
02/19/2022	23:00:00 - 23:15:00	5	8	15	14	5	0.7	134	-7.1	79	998.7
02/19/2022	23:15:00 - 23:30:00	5	8	15	13	5	0.8	142	-6.9	79	998.2
02/19/2022	23:30:00 - 23:45:00	5	8	14	14	5	0.8	137	-6.8	79	997.8
02/20/2022	23:45:00 - 00:00:00	5	8	15	13	5	0.7	145	-6.7	79	997.6
02/20/2022	00:00:00 - 00:15:00	5	8	14	13	5	0.8	143	-6.6	79	997.4
02/20/2022	00:15:00 - 00:30:00	4	8	14	13	5	0.7	152	-6.4	79	997.2
02/20/2022	00:30:00 - 00:45:00	4	8	14	13	5	0.9	180	-6.3	79	997.1
02/20/2022	00:45:00 - 01:00:00	4	7	14	12	5	0.7	179	-6.2	79	996.7
02/20/2022	01:00:00 - 01:15:00	4	7	13	12	4	0.9	194	-6.0	78	996.7
02/20/2022	01:15:00 - 01:30:00	4	7	13	11	4	0.9	197	-5.8	78	996.4
02/20/2022	01:30:00 - 01:45:00	4	7	13	11	4	1.1	180	-5.6	78	996.3
02/20/2022	01:45:00 - 02:00:00	4	7	13	11	4	1.0	185	-5.6	79	995.9
02/20/2022	02:00:00 - 02:15:00	4	7	13	11	4	0.8	164	-5.6	80	995.7
02/20/2022	02:15:00 - 02:30:00	4	7	13	11	4	1.0	192	-5.5	80	995.2
02/20/2022	02:30:00 - 02:45:00	4	7	12	11	4	1.3	188	-5.2	79	995.2
02/20/2022	02:45:00 - 03:00:00	3	6	12	10	4	1.2	188	-5.0	78	994.8
02/20/2022	03:00:00 - 03:15:00	3	6	12	10	4	1.1	179	-4.9	78	994.6
02/20/2022	03:15:00 - 03:30:00	3	6	11	10	4	0.9	197	-4.8	78	994.3
02/20/2022	03:30:00 - 03:45:00	3	6	11	10	4	1.1	191	-4.8	79	994.0
02/20/2022	03:45:00 - 04:00:00	3	6	11	9	3	1.0	181	-4.7	79	994.0
02/20/2022	04:00:00 - 04:15:00	3	6	11	9	3	0.9	177	-4.5	78	993.8
02/20/2022	04:15:00 - 04:30:00	3	6	11	9	3	1.1	191	-4.4	78	993.7
02/20/2022	04:30:00 - 04:45:00	3	6	11	9	4	1.0	176	-4.3	78	993.4
02/20/2022	04:45:00 - 05:00:00	3	6	11	9	4	1.3	175	-4.1	78	993.1
02/20/2022	05:00:00 - 05:15:00	3	6	12	10	4	1.2	183	-4.0	78	992.9
02/20/2022	05:15:00 - 05:30:00	3	6	11	10	4	1.2	180	-3.9	77	992.8
02/20/2022	05:30:00 - 05:45:00	3	6	12	10	4	1.2	186	-3.9	77	992.7
02/20/2022	05:45:00 - 06:00:00	3	6	12	10	4	1.2	170	-3.7	77	992.5
02/20/2022	06:00:00 - 06:15:00	3	6	12	10	4	1.3	172	-3.5	76	992.5
02/20/2022	06:15:00 - 06:30:00	3	6	12	11	4	1.0	168	-3.4	76	992.4
02/20/2022	06:30:00 - 06:45:00	3	7	12	11	4	1.1	164	-3.5	77	992.3
02/20/2022	06:45:00 - 07:00:00	3	7	12	12	4	1.2	173	-3.5	77	992.2
02/20/2022	07:00:00 - 07:15:00	3	7	12	11	4	1.5	180	-3.1	77	992.1
02/20/2022	07:15:00 - 07:30:00	3	6	12	11	4	1.1	170	-2.6	76	992.2
02/20/2022	07:30:00 - 07:45:00	3	6	12	10	4	1.4	170	-1.8	73	992.2
02/20/2022	07:45:00 - 08:00:00	3	6	12	10	4	1.6	169	-1.0	71	992.1
02/20/2022	08:00:00 - 08:15:00	3	6	12	10	4	1.8	174	-0.3	68	992.0
02/20/2022	08:15:00 - 08:30:00	3	6	11	10	4	1.7	175	0.4	67	991.9
02/20/2022	08:30:00 - 08:45:00	3	6	12	10	4	1.7	171	1.3	66	991.7
02/20/2022	08:45:00 - 09:00:00	3	6	12	10	4	1.9	173	1.9	64	991.6
02/20/2022	09:00:00 - 09:15:00	4	6	12	11	4	1.8	177	2.7	63	991.5
02/20/2022	09:15:00 - 09:30:00	4	6	13	11	4	1.8	186	3.4	62	991.2
02/20/2022	09:30:00 - 09:45:00	4	6	13	11	4	2.6	190	3.7	62	991.1
02/20/2022	09:45:00 - 10:00:00	4	6	13	12	4	2.8	195	4.0	63	990.9
02/20/2022	10:00:00 - 10:15:00	5	6	13	12	4	2.8	194	4.5	62	990.9
02/20/2022	10:15:00 - 10:30:00	5	6	13	12	4	2.8	193	4.9	62	990.8
02/20/2022	10:30:00 - 10:45:00	5	6	12	12	4	1.8	191	5.4	62	990.9
02/20/2022	10:45:00 - 11:00:00	4	6	12	12	4	2.3	195	5.7	61	990.8
02/20/2022	11:00:00 - 11:15:00	4	6	11	12	4	2.1	193	6.0	61	990.5
02/20/2022	11:15:00 - 11:30:00	5	6	11	12	4	1.9	195	6.5	61	990.5
02/20/2022	11:30:00 - 11:45:00	5	6	11	12	4	2.9	200	6.5	61	990.4
02/20/2022	11:45:00 - 12:00:00	4	6	11	12	4	2.8	192	6.8	61	990.0
02/20/2022	12:00:00 - 12:15:00	5	6	11	12	4	2.5	197	7.4	61	989.5
02/20/2022	12:15:00 - 12:30:00	5	6	10	11	4	2.8	194	7.8	61	989.2

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]
02/20/2022	12:30:00 - 12:45:00	4	5	10	11	4	2.1	189	8.2	61	988.8
02/20/2022	12:45:00 - 13:00:00	4	5	10	11	4	2.7	197	8.5	61	988.5
02/20/2022	13:00:00 - 13:15:00	4	5	10	11	4	2.0	194	9.0	60	988.1
02/20/2022	13:15:00 - 13:30:00	4	5	9	10	3	2.1	196	9.5	60	987.8
02/20/2022	13:30:00 - 13:45:00	4	5	8	10	3	2.3	190	9.9	58	987.5
02/20/2022	13:45:00 - 14:00:00	3	4	8	9	3	2.1	190	10.2	58	987.2
02/20/2022	14:00:00 - 14:15:00	3	4	7	8	3	3.1	202	10.4	57	986.9
02/20/2022	14:15:00 - 14:30:00	3	4	7	8	2	2.9	206	10.6	57	986.7
02/20/2022	14:30:00 - 14:45:00	3	4	7	8	2	3.2	210	10.8	56	986.6
02/20/2022	14:45:00 - 15:00:00	3	4	7	8	2	2.7	202	11.0	56	986.6
02/20/2022	15:00:00 - 15:15:00	3	4	7	8	2	2.6	202	11.3	55	986.7
02/20/2022	15:15:00 - 15:30:00	3	4	7	8	2	2.5	202	11.2	56	986.6
02/20/2022	15:30:00 - 15:45:00	3	4	7	7	2	1.9	197	11.1	57	986.5
02/20/2022	15:45:00 - 16:00:00	3	4	7	8	2	2.1	202	10.9	57	986.5
02/20/2022	16:00:00 - 16:15:00	3	4	7	8	2	2.6	204	10.9	57	986.5
02/20/2022	16:15:00 - 16:30:00	3	4	8	8	2	2.9	208	10.8	57	986.5
02/20/2022	16:30:00 - 16:45:00	3	4	8	8	2	2.3	203	10.7	57	986.6
02/20/2022	16:45:00 - 17:00:00	3	4	8	8	2	2.3	205	10.7	58	986.7
02/20/2022	17:00:00 - 17:15:00	3	4	8	8	3	2.3	200	10.3	59	986.8
02/20/2022	17:15:00 - 17:30:00	3	4	8	8	3	1.8	196	9.8	61	987.1
02/20/2022	17:30:00 - 17:45:00	3	4	8	7	2	1.8	192	9.5	61	987.3
02/20/2022	17:45:00 - 18:00:00	3	4	8	8	2	2.3	197	9.4	61	987.4
02/20/2022	18:00:00 - 18:15:00	3	4	9	8	2	1.8	200	9.2	61	987.5
02/20/2022	18:15:00 - 18:30:00	3	4	9	8	2	1.7	185	9.1	61	987.6
02/20/2022	18:30:00 - 18:45:00	3	4	9	8	2	1.9	192	8.9	61	987.8
02/20/2022	18:45:00 - 19:00:00	3	4	10	8	3	1.3	163	8.4	63	988.0
02/20/2022	19:00:00 - 19:15:00	3	4	10	8	3	0.9	175	7.8	65	988.1
02/20/2022	19:15:00 - 19:30:00	3	4	10	8	3	1.2	173	7.3	67	988.2
02/20/2022	19:30:00 - 19:45:00	3	4	10	8	3	1.2	162	7.3	67	988.3
02/20/2022	19:45:00 - 20:00:00	3	5	10	9	3	1.2	166	7.3	67	988.4
02/20/2022	20:00:00 - 20:15:00	3	5	10	8	3	1.3	168	7.1	68	988.5
02/20/2022	20:15:00 - 20:30:00	3	5	10	9	3	1.0	157	6.8	68	988.5
02/20/2022	20:30:00 - 20:45:00	3	5	10	8	3	1.1	151	7.0	68	988.7
02/20/2022	20:45:00 - 21:00:00	3	5	10	8	3	1.2	147	6.8	68	988.8
02/20/2022	21:00:00 - 21:15:00	3	5	10	8	3	1.1	156	6.3	70	988.9
02/20/2022	21:15:00 - 21:30:00	3	5	10	8	3	1.2	160	6.2	71	989.0
02/20/2022	21:30:00 - 21:45:00	3	5	10	8	3	1.5	165	6.4	71	989.0
02/20/2022	21:45:00 - 22:00:00	3	5	10	9	3	1.4	175	6.7	71	989.2
02/20/2022	22:00:00 - 22:15:00	3	5	10	8	3	1.3	168	6.7	71	989.3
02/20/2022	22:15:00 - 22:30:00	3	5	10	9	3	1.1	156	6.2	73	989.3
02/20/2022	22:30:00 - 22:45:00	3	5	10	9	3	1.2	152	5.8	75	989.3
02/20/2022	22:45:00 - 23:00:00	3	5	11	9	3	1.2	145	5.2	77	989.4
02/20/2022	23:00:00 - 23:15:00	3	5	12	10	3	1.2	148	4.9	79	989.3
02/20/2022	23:15:00 - 23:30:00	3	5	11	10	3	1.1	155	4.9	79	989.3
02/20/2022	23:30:00 - 23:45:00	3	5	11	9	3	1.1	154	5.2	79	989.2
02/21/2022	23:45:00 - 00:00:00	3	5	11	9	3	1.1	159	5.3	78	989.1
02/21/2022	00:00:00 - 00:15:00	3	5	11	9	3	1.0	145	5.3	78	989.3
02/21/2022	00:15:00 - 00:30:00	3	5	11	9	3	1.2	157	5.3	79	989.3
02/21/2022	00:30:00 - 00:45:00	3	5	11	10	3	1.2	155	5.5	78	989.3
02/21/2022	00:45:00 - 01:00:00	3	5	11	10	3	1.1	149	5.0	79	989.2
02/21/2022	01:00:00 - 01:15:00	3	5	11	10	3	1.1	158	4.7	80	989.2
02/21/2022	01:15:00 - 01:30:00	3	5	11	10	3	1.1	155	4.9	80	989.2
02/21/2022	01:30:00 - 01:45:00	3	5	11	10	3	1.4	169	5.4	79	989.0
02/21/2022	01:45:00 - 02:00:00	3	5	11	10	3	1.1	176	5.7	77	989.0
02/21/2022	02:00:00 - 02:15:00	3	5	12	10	4	0.9	165	5.3	78	989.0
02/21/2022	02:15:00 - 02:30:00	3	5	12	10	4	1.2	176	5.2	79	988.9
02/21/2022	02:30:00 - 02:45:00	3	6	12	13	4	1.6	191	5.7	78	988.8
02/21/2022	02:45:00 - 03:00:00	3	5	12	10	4	1.3	179	5.6	77	988.7
02/21/2022	03:00:00 - 03:15:00	3	5	12	10	4	1.3	167	5.4	78	988.6
02/21/2022	03:15:00 - 03:30:00	3	6	12	11	4	1.4	162	5.1	79	988.5
02/21/2022	03:30:00 - 03:45:00	3	6	12	11	4	1.0	147	4.3	80	988.4
02/21/2022	03:45:00 - 04:00:00	3	6	13	11	4	0.9	133	3.6	83	988.4

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
02/21/2022	04:00:00 - 04:15:00	4	6	13	11	4	1.0	145	3.4	84	988.4
02/21/2022	04:15:00 - 04:30:00	4	6	13	11	4	1.0	137	3.5	84	988.5
02/21/2022	04:30:00 - 04:45:00	3	6	13	11	4	1.1	133	3.4	84	988.6
02/21/2022	04:45:00 - 05:00:00	3	6	13	11	4	0.9	131	3.4	84	988.6
02/21/2022	05:00:00 - 05:15:00	3	6	13	11	4	1.0	129	3.2	84	988.6
02/21/2022	05:15:00 - 05:30:00	3	6	13	11	4	1.0	117	3.0	85	988.6
02/21/2022	05:30:00 - 05:45:00	3	6	12	11	4	1.1	114	3.1	85	988.6
02/21/2022	05:45:00 - 06:00:00	3	6	12	11	4	1.0	114	3.1	85	988.7
02/21/2022	06:00:00 - 06:15:00	3	6	13	11	4	1.1	115	3.2	84	988.7
02/21/2022	06:15:00 - 06:30:00	3	6	13	11	4	1.3	109	3.1	84	988.7
02/21/2022	06:30:00 - 06:45:00	3	6	13	11	4	1.1	120	3.0	85	988.7
02/21/2022	06:45:00 - 07:00:00	3	6	13	11	4	1.0	132	3.1	84	988.8
02/21/2022	07:00:00 - 07:15:00	4	6	13	12	4	1.0	133	3.2	84	988.8
02/21/2022	07:15:00 - 07:30:00	4	6	13	12	4	1.1	154	3.6	83	988.8
02/21/2022	07:30:00 - 07:45:00	4	6	13	12	4	1.2	164	4.2	81	989.0
02/21/2022	07:45:00 - 08:00:00	4	6	14	11	4	1.3	165	4.8	79	989.1
02/21/2022	08:00:00 - 08:15:00	4	6	13	11	4	1.1	168	5.2	77	989.3
02/21/2022	08:15:00 - 08:30:00	4	6	13	11	4	1.1	170	5.5	76	989.2
02/21/2022	08:30:00 - 08:45:00	4	6	13	11	4	1.3	167	5.6	76	989.0
02/21/2022	08:45:00 - 09:00:00	4	6	13	11	4	1.1	178	6.4	75	988.9
02/21/2022	09:00:00 - 09:15:00	4	6	12	11	4	1.2	179	7.4	73	988.9
02/21/2022	09:15:00 - 09:30:00	4	6	12	11	4	1.2	180	8.0	71	988.9
02/21/2022	09:30:00 - 09:45:00	4	6	12	12	4	1.3	162	8.3	70	988.8
02/21/2022	09:45:00 - 10:00:00	5	6	12	12	4	1.4	181	8.7	70	988.7
02/21/2022	10:00:00 - 10:15:00	5	6	13	14	5	1.3	162	9.0	70	988.6
02/21/2022	10:15:00 - 10:30:00	5	7	14	14	5	1.3	177	9.4	71	988.4
02/21/2022	10:30:00 - 10:45:00	6	7	15	15	6	1.3	176	9.9	71	988.3
02/21/2022	10:45:00 - 11:00:00	6	8	15	16	6	1.3	166	10.3	70	988.1
02/21/2022	11:00:00 - 11:15:00	7	8	16	18	7	1.3	171	10.6	70	988.0
02/21/2022	11:15:00 - 11:30:00	7	9	18	19	7	1.5	169	10.9	71	987.8
02/21/2022	11:30:00 - 11:45:00	8	9	19	21	8	1.2	159	11.3	71	987.7
02/21/2022	11:45:00 - 12:00:00	9	10	21	23	9	1.5	143	11.7	69	987.2
02/21/2022	12:00:00 - 12:15:00	9	10	22	23	9	1.2	161	12.5	68	986.9
02/21/2022	12:15:00 - 12:30:00	10	10	22	23	8	1.2	171	12.9	67	986.7
02/21/2022	12:30:00 - 12:45:00	9	10	20	22	8	1.3	137	13.0	66	986.4
02/21/2022	12:45:00 - 13:00:00	9	10	21	23	9	1.1	152	13.4	66	986.2
02/21/2022	13:00:00 - 13:15:00	8	9	19	22	8	1.2	132	13.6	67	985.9
02/21/2022	13:15:00 - 13:30:00	8	9	18	22	9	1.9	135	12.4	72	985.9
02/21/2022	13:30:00 - 13:45:00	8	9	19	21	8	1.5	140	12.4	72	985.8
02/21/2022	13:45:00 - 14:00:00	9	10	20	22	8	1.5	142	12.6	71	985.6
02/21/2022	14:00:00 - 14:15:00	9	10	21	23	8	1.3	153	12.9	72	985.3
02/21/2022	14:15:00 - 14:30:00	9	10	21	23	9	1.2	146	13.4	73	985.1
02/21/2022	14:30:00 - 14:45:00	9	10	22	23	9	1.5	143	13.5	73	984.7
02/21/2022	14:45:00 - 15:00:00	10	11	23	25	9	1.6	146	13.5	74	984.6
02/21/2022	15:00:00 - 15:15:00	10	11	22	24	9	1.7	137	13.4	76	984.4
02/21/2022	15:15:00 - 15:30:00	9	11	22	24	9	1.5	129	13.4	76	984.2
02/21/2022	15:30:00 - 15:45:00	10	11	22	24	9	1.3	134	13.4	77	984.3
02/21/2022	15:45:00 - 16:00:00	10	11	23	25	9	1.7	132	13.2	78	984.1
02/21/2022	16:00:00 - 16:15:00	10	11	23	26	9	1.5	127	13.1	79	983.9
02/21/2022	16:15:00 - 16:30:00	10	11	23	25	9	1.4	133	13.1	80	983.8
02/21/2022	16:30:00 - 16:45:00	10	12	23	25	9	1.5	135	13.2	81	983.6
02/21/2022	16:45:00 - 17:00:00	10	11	23	24	9	1.5	138	13.2	82	983.4
02/21/2022	17:00:00 - 17:15:00	9	11	22	23	9	1.7	138	13.1	83	983.3
02/21/2022	17:15:00 - 17:30:00	9	11	22	23	9	1.1	140	12.7	84	983.2
02/21/2022	17:30:00 - 17:45:00	9	11	22	23	9	1.0	160	12.5	85	983.2
02/21/2022	17:45:00 - 18:00:00	9	11	22	23	9	0.9	157	12.3	86	983.0
02/21/2022	18:00:00 - 18:15:00	9	10	21	22	8	0.9	179	12.4	88	983.2
02/21/2022	18:15:00 - 18:30:00	8	10	20	21	8	1.4	181	12.6	91	983.4
02/21/2022	18:30:00 - 18:45:00	7	9	18	19	7	1.1	171	12.6	92	983.4
02/21/2022	18:45:00 - 19:00:00	7	8	17	18	7	1.1	183	12.6	92	983.4
02/21/2022	19:00:00 - 19:15:00	7	8	17	17	6	1.1	175	12.6	92	983.3
02/21/2022	19:15:00 - 19:30:00	7	8	16	17	6	1.2	186	12.5	92	983.3

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]
02/21/2022	19:30:00 - 19:45:00	6	8	16	16	6	1.1	178	12.6	92	983.1
02/21/2022	19:45:00 - 20:00:00	6	7	15	16	6	1.0	171	12.2	92	982.8
02/21/2022	20:00:00 - 20:15:00	6	7	15	16	6	1.1	177	11.9	92	982.7
02/21/2022	20:15:00 - 20:30:00	6	7	15	15	5	1.1	184	11.9	92	982.7
02/21/2022	20:30:00 - 20:45:00	6	7	14	15	5	1.1	171	12.0	92	982.8
02/21/2022	20:45:00 - 21:00:00	5	7	14	14	5	1.1	176	12.1	92	982.9
02/21/2022	21:00:00 - 21:15:00	5	7	13	14	5	1.1	176	12.2	92	982.9
02/21/2022	21:15:00 - 21:30:00	5	6	12	13	4	1.2	183	12.3	92	983.1
02/21/2022	21:30:00 - 21:45:00	5	6	12	12	4	1.2	186	12.3	93	983.3
02/21/2022	21:45:00 - 22:00:00	4	5	10	11	3	1.4	168	12.6	93	983.2
02/21/2022	22:00:00 - 22:15:00	4	5	10	11	3	1.3	175	12.7	94	983.1
02/21/2022	22:15:00 - 22:30:00	5	7	13	14	5	1.5	154	12.6	95	982.5
02/21/2022	22:30:00 - 22:45:00	6	8	15	17	6	1.5	185	12.4	96	982.3
02/21/2022	22:45:00 - 23:00:00	6	8	16	18	6	1.4	166	12.4	96	982.1
02/21/2022	23:00:00 - 23:15:00	5	6	13	15	5	2.3	178	12.4	97	982.1
02/21/2022	23:15:00 - 23:30:00	6	7	14	17	5	1.9	186	12.2	98	982.3
02/21/2022	23:30:00 - 23:45:00	3	4	7	8	2	2.3	187	12.7	98	982.1
02/22/2022	23:45:00 - 00:00:00	2	3	6	7	2	1.6	173	12.6	96	982.1
02/22/2022	00:00:00 - 00:15:00	2	3	6	7	2	1.5	180	12.1	98	982.2
02/22/2022	00:15:00 - 00:30:00	2	3	7	7	2	1.4	153	11.8	99	982.2
02/22/2022	00:30:00 - 00:45:00	3	4	8	9	2	1.4	153	11.8	99	982.1
02/22/2022	00:45:00 - 01:00:00	3	4	8	9	3	1.2	157	11.7	99	982.3
02/22/2022	01:00:00 - 01:15:00	3	4	8	9	2	1.0	169	11.6	100	982.5
02/22/2022	01:15:00 - 01:30:00	3	4	8	9	2	1.0	162	11.5	100	982.6
02/22/2022	01:30:00 - 01:45:00	3	4	8	9	3	1.2	181	11.4	100	982.7
02/22/2022	01:45:00 - 02:00:00	3	5	9	11	3	1.1	178	11.3	100	982.5
02/22/2022	02:00:00 - 02:15:00	4	6	11	13	4	1.2	149	11.2	100	982.5
02/22/2022	02:15:00 - 02:30:00	4	6	12	14	4	1.2	177	11.2	100	982.5
02/22/2022	02:30:00 - 02:45:00	4	6	11	13	4	1.1	170	11.1	100	982.3
02/22/2022	02:45:00 - 03:00:00	3	5	10	12	3	1.2	178	11.1	100	982.4
02/22/2022	03:00:00 - 03:15:00	3	4	8	10	3	1.3	184	11.3	100	982.4
02/22/2022	03:15:00 - 03:30:00	3	5	8	10	3	1.3	182	11.3	100	982.2
02/22/2022	03:30:00 - 03:45:00	3	4	8	9	2	1.1	181	11.4	100	982.4
02/22/2022	03:45:00 - 04:00:00	3	4	8	9	2	1.1	165	11.4	100	982.3
02/22/2022	04:00:00 - 04:15:00	2	4	7	9	2	1.1	162	11.5	100	982.0
02/22/2022	04:15:00 - 04:30:00	2	4	5	8	2	1.0	171	11.5	100	981.4
02/22/2022	04:30:00 - 04:45:00	2	4	5	9	2	1.2	175	11.5	100	981.2
02/22/2022	04:45:00 - 05:00:00	2	4	6	9	2	1.2	188	11.6	100	981.2
02/22/2022	05:00:00 - 05:15:00	3	5	8	13	4	1.1	188	11.6	100	981.3
02/22/2022	05:15:00 - 05:30:00	3	6	7	14	4	1.4	186	11.5	100	981.7
02/22/2022	05:30:00 - 05:45:00	3	4	8	10	2	1.0	170	11.5	100	981.7
02/22/2022	05:45:00 - 06:00:00	4	6	12	15	4	1.1	190	12.0	100	981.4
02/22/2022	06:00:00 - 06:15:00	6	8	15	20	6	0.9	176	12.2	100	981.6
02/22/2022	06:15:00 - 06:30:00	7	9	17	23	7	0.9	196	12.3	100	981.7
02/22/2022	06:30:00 - 06:45:00	8	10	18	24	7	1.3	222	12.6	100	981.8
02/22/2022	06:45:00 - 07:00:00	7	9	18	24	7	1.7	208	12.7	100	981.6
02/22/2022	07:00:00 - 07:15:00	6	8	14	20	5	1.3	207	12.7	100	981.2
02/22/2022	07:15:00 - 07:30:00	5	7	14	18	5	0.4	166	12.6	100	980.6
02/22/2022	07:30:00 - 07:45:00	6	9	16	23	6	1.4	127	12.4	100	979.5
02/22/2022	07:45:00 - 08:00:00	7	8	15	22	6	1.4	133	12.2	100	979.3
02/22/2022	08:00:00 - 08:15:00	5	7	13	19	5	1.1	149	12.1	100	979.0
02/22/2022	08:15:00 - 08:30:00	5	6	12	16	4	1.0	142	12.1	100	979.2
02/22/2022	08:30:00 - 08:45:00	5	7	13	16	5	1.1	158	12.3	100	979.2
02/22/2022	08:45:00 - 09:00:00	6	7	14	19	5	1.4	150	12.3	100	978.8
02/22/2022	09:00:00 - 09:15:00	6	8	15	18	5	1.2	187	12.2	100	978.6
02/22/2022	09:15:00 - 09:30:00	6	7	15	17	5	1.1	170	12.5	100	978.8
02/22/2022	09:30:00 - 09:45:00	6	7	14	16	5	1.4	198	12.6	100	979.1
02/22/2022	09:45:00 - 10:00:00	5	6	12	13	4	1.1	184	12.7	100	979.2
02/22/2022	10:00:00 - 10:15:00	4	5	11	11	4	1.4	181	12.7	100	979.1
02/22/2022	10:15:00 - 10:30:00	4	5	10	11	3	1.3	184	12.8	100	979.1
02/22/2022	10:30:00 - 10:45:00	4	5	10	12	3	1.1	181	12.9	100	979.0
02/22/2022	10:45:00 - 11:00:00	4	5	9	11	3	1.3	191	12.9	100	979.3

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1					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]
02/22/2022	11:00:00 - 11:15:00	4	5	10	10	3	1.3	194	13.1	100	979.3
02/22/2022	11:15:00 - 11:30:00	3	4	8	9	3	1.7	209	13.2	99	979.3
02/22/2022	11:30:00 - 11:45:00	3	4	7	8	2	1.8	201	13.3	97	979.2
02/22/2022	11:45:00 - 12:00:00	3	4	7	11	2	2.7	204	13.4	96	979.2
02/22/2022	12:00:00 - 12:15:00	3	4	7	9	2	2.3	204	13.7	96	979.1
02/22/2022	12:15:00 - 12:30:00	3	5	8	9	2	2.5	207	13.8	96	979.0
02/22/2022	12:30:00 - 12:45:00	3	4	7	8	2	2.0	214	13.9	95	978.9
02/22/2022	12:45:00 - 13:00:00	3	4	7	9	2	2.0	222	13.9	96	978.9
02/22/2022	13:00:00 - 13:15:00	3	5	7	12	2	2.0	224	13.9	97	979.0
02/22/2022	13:15:00 - 13:30:00	3	5	8	11	3	2.8	253	13.8	98	979.5
02/22/2022	13:30:00 - 13:45:00	7	7	16	15	6	4.5	268	12.4	96	980.3
02/22/2022	13:45:00 - 14:00:00	5	6	13	13	4	4.7	274	10.4	94	981.1
02/22/2022	14:00:00 - 14:15:00	6	6	13	11	4	4.6	276	7.7	95	982.0
02/22/2022	14:15:00 - 14:30:00	4	5	11	10	3	5.4	273	5.8	95	982.7
02/22/2022	14:30:00 - 14:45:00	5	5	12	10	3	4.7	276	4.6	95	983.2
02/22/2022	14:45:00 - 15:00:00	4	5	12	10	4	5.2	274	4.2	93	983.8
02/22/2022	15:00:00 - 15:15:00	5	5	13	10	5	5.1	274	3.6	92	984.4
02/22/2022	15:15:00 - 15:30:00	4	5	12	10	3	5.0	274	3.1	91	985.0
02/22/2022	15:30:00 - 15:45:00	3	5	12	9	3	4.3	274	2.7	92	985.2
02/22/2022	15:45:00 - 16:00:00	3	5	11	9	3	4.9	275	2.2	93	985.7
02/22/2022	16:00:00 - 16:15:00	3	6	12	9	3	4.5	277	1.6	94	986.1
02/22/2022	16:15:00 - 16:30:00	4	6	13	11	4	4.2	277	1.3	91	986.5
02/22/2022	16:30:00 - 16:45:00	4	6	14	11	4	4.0	283	0.9	91	987.1
02/22/2022	16:45:00 - 17:00:00	4	6	13	11	4	3	284	0	90	987.6
02/22/2022	17:00:00 - 17:15:00	4	6	14	11	4	4	295	0	90	988.0
02/22/2022	17:15:00 - 17:30:00	3	6	12	10	4	4.0	294	-0.5	90	988.4
02/22/2022	17:30:00 - 17:45:00	3	6	12	9	4	4.1	285	-0.9	89	989.0
02/22/2022	17:45:00 - 18:00:00	3	6	12	9	4	3.7	284	-1.1	90	989.5
02/22/2022	18:00:00 - 18:15:00	3	6	12	10	6	3.6	292	-1.2	89	989.9
02/22/2022	18:15:00 - 18:30:00	3	6	12	10	5	3.4	295	-1.4	89	990.5
02/22/2022	18:30:00 - 18:45:00	3	6	12	10	8	2.7	295	-1.5	90	990.9
02/22/2022	18:45:00 - 19:00:00	4	7	14	12	10	3.2	290	-1.8	90	991.3
02/22/2022	19:00:00 - 19:15:00	6	9	20	17	10	2.9	304	-2.0	89	991.6
02/22/2022	19:15:00 - 19:30:00	5	8	16	14	9	3.6	287	-2.2	89	992.2
02/22/2022	19:30:00 - 19:45:00	8	11	22	20	9	3.5	283	-2.4	88	992.8
02/22/2022	19:45:00 - 20:00:00	10	13	28	26	9	3.8	281	-2.8	87	993.2
02/22/2022	20:00:00 - 20:15:00	11	14	30	27	9	3.7	285	-3.0	87	993.7
02/22/2022	20:15:00 - 20:30:00	9	12	25	23	8	3.5	285	-3.2	86	994.1
02/22/2022	20:30:00 - 20:45:00	9	13	27	24	6	3.8	285	-3.3	86	994.5
02/22/2022	20:45:00 - 21:00:00	9	13	26	24	7	2.6	291	-3.4	86	994.8
02/22/2022	21:00:00 - 21:15:00	9	12	25	23	7	2.9	286	-3.6	86	995.0
02/22/2022	21:15:00 - 21:30:00	7	10	22	19	8	3.5	297	-3.6	85	995.2
02/22/2022	21:30:00 - 21:45:00	6	9	18	16	9	3.3	290	-3.9	84	995.6
02/22/2022	21:45:00 - 22:00:00	7	10	20	18	9	3.0	296	-4.0	84	995.9
02/22/2022	22:00:00 - 22:15:00	7	10	21	19	7	2.7	300	-4.0	84	996.0
02/22/2022	22:15:00 - 22:30:00	8	11	23	21	6	2.6	305	-4.2	84	996.1
02/22/2022	22:30:00 - 22:45:00	9	13	25	23	6	2.7	288	-4.4	84	996.3
02/22/2022	22:45:00 - 23:00:00	9	12	24	23	6	3.1	290	-4.5	83	996.4
02/22/2022	23:00:00 - 23:15:00	7	10	20	17	8	2.7	300	-4.6	82	996.8
02/22/2022	23:15:00 - 23:30:00	6	9	19	16	8	2.6	286	-4.6	82	996.9
02/22/2022	23:30:00 - 23:45:00	6	9	18	16	7	2.7	288	-4.6	82	997.2
02/22/2022	23:45:00 - 00:00:00	5	9	17	15	7	2.6	299	-4.5	82	997.5

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

Appendix A: Complete Preliminary Data Record

2/16/2022																				
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	737	0.0	807	0.0	942	0.0	1012	0.0	1107	0.0	1208	0.0	1308	0.0	1417	0.0	1542	0.0	1612	0.0
SAM-2	732	0.0	802	0.0	937	0.0	1007	0.0	1102	0.0	1202	0.0	1302	0.0	1407	0.0	1532	0.0	1602	0.0
SAM-3	749	0.0	821	0.0	953	0.0	1024	0.0	1119	0.1	1220	0.0	1319	0.0	1430	0.0	1554	0.0	1624	0.0
SAM-4	742	0.0	814	0.0	946	0.0	1017	0.0	1112	0.0	1213	0.0	1312	0.0	1423	0.0	1547	0.0	1617	0.0
IMPL-A	730	0.0	800	0.0	935	0.1	1005	0.1	1100	0.1	1200	0.0	1300	0.1	1404	0.0	1530	0.0	1600	0.0
IMPL-B	733	0.0	803	0.0	938	0.0	1008	0.1	1103	0.1	1203	0.0	1304	0.0	1409	0.0	1534	0.0	1604	0.0
IMPL-C	734	0.0	804	0.0	939	0.0	1009	0.1	1104	0.1	1204	0.0	1305	0.0	1411	0.0	1538	0.0	1608	0.0
IMPL-D	735	0.0	805	0.0	940	0.0	1010	0.1	1105	0.1	1206	0.0	1306	0.0	1413	0.0	1540	0.0	1610	0.0
IMPL-E	739	0.0	809	0.0	943	0.0	1014	0.1	1109	0.1	1210	0.0	1309	0.0	1415	0.0	1544	0.0	1614	0.0
IMPL-F	741	0.0	811	0.0	944	0.0	1016	0.1	1111	0.1	1212	0.0	1311	0.0	1418	0.0	1546	0.0	1616	0.0
IMPL-G	743	0.0	815	0.0	947	0.0	1018	0.1	1113	0.1	1214	0.0	1313	0.0	1421	0.0	1548	0.0	1618	0.0
IMPL-H	744	0.0	816	0.0	948	0.0	1019	0.0	1114	0.1	1215	0.0	1314	0.0	1424	0.0	1549	0.0	1619	0.0
IMPL-I	745	0.0	817	0.0	949	0.0	1020	0.0	1115	0.1	1216	0.0	1315	0.0	1426	0.0	1550	0.0	1620	0.0
IMPL-J	747	0.0	819	0.0	951	0.0	1022	0.0	1117	0.1	1218	0.0	1317	0.0	1428	0.0	1552	0.0	1622	0.0
IMPL-K	750	0.0	822	0.0	954	0.0	1025	0.1	1120	0.1	1221	0.1	1320	0.1	1432	0.0	1555	0.0	1625	0.1
IMPL-L	751	0.0	823	0.0	955	0.1	1026	0.1	1121	0.1	1222	0.0	1321	0.0	1402	0.0	1556	0.1	1626	0.1

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

2/17/2022																				
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	737	0.0	807	0.0	942	0.0	1012	0.0	1107	0.0	1208	0.0	1308	0.0	1438	0.0	1542	0.0	NA	NA
SAM-2	732	0.0	802	0.0	937	0.0	1007	0.0	1102	0.0	1202	0.0	1302	0.0	1432	0.0	1532	0.0	NA	NA
SAM-3	749	0.0	821	0.0	953	0.0	1024	0.0	1119	0.0	1220	0.0	1319	0.0	1449	0.0	1554	0.0	NA	NA
SAM-4	742	0.0	814	0.0	946	0.0	1017	0.0	1112	0.0	1213	0.0	1312	0.0	1442	0.0	1547	0.0	NA	NA
IMPL-A	730	0.0	800	0.0	935	0.0	1005	0.0	1100	0.0	1200	0.0	1300	0.0	1430	0.0	1530	0.0	NA	NA
IMPL-B	733	0.0	803	0.0	938	0.0	1008	0.0	1103	0.0	1203	0.0	1304	0.0	1434	0.0	1534	0.0	NA	NA
IMPL-C	734	0.0	804	0.0	939	0.0	1009	0.0	1104	0.0	1204	0.0	1305	0.0	1435	0.0	1538	0.0	NA	NA
IMPL-D	735	0.0	805	0.0	940	0.0	1010	0.0	1105	0.0	1206	0.0	1306	0.0	1436	0.0	1540	0.0	NA	NA
IMPL-E	739	0.0	809	0.0	943	0.0	1014	0.0	1109	0.0	1210	0.0	1309	0.0	1439	0.0	1544	0.0	NA	NA
IMPL-F	741	0.0	811	0.0	944	0.0	1016	0.0	1111	0.0	1212	0.0	1311	0.0	1441	0.0	1546	0.0	NA	NA
IMPL-G	743	0.0	815	0.0	947	0.0	1018	0.0	1113	0.0	1214	0.0	1313	0.0	1443	0.0	1548	0.0	NA	NA
IMPL-H	744	0.0	816	0.0	948	0.0	1019	0.0	1114	0.0	1215	0.0	1314	0.0	1444	0.0	1549	0.0	NA	NA
IMPL-I	745	0.0	817	0.0	949	0.0	1020	0.0	1115	0.0	1216	0.0	1315	0.0	1445	0.0	1550	0.0	NA	NA
IMPL-J	747	0.0	819	0.0	951	0.0	1022	0.0	1117	0.0	1218	0.0	1317	0.0	1447	0.0	1552	0.0	NA	NA
IMPL-K	750	0.0	822	0.0	954	0.0	1025	0.0	1120	0.0	1221	0.0	1320	0.0	1450	0.0	1555	0.0	NA	NA
IMPL-L	751	0.0	823	0.0	955	0.0	1026	0.0	1121	0.0	1222	0.0	1321	0.0	1451	0.0	1556	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

2/18/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SAM-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SAM-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SAM-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-H	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-K	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IMPL-L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

No onsite activities occurred on 2/18.

2/21/2022																				
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	812	0.0	938	0.0	1015	0.0	1107	0.0	1156	0.0	1302	0.0	1408	0.0	1512	0.0	1558	0.0
SAM-2	732	0.0	802	0.0	932	0.0	1011	0.0	1102	0.0	1151	0.0	1257	0.0	1402	0.0	1502	0.0	1552	0.0
SAM-3	754	0.0	824	0.0	950	0.0	1023	0.0	1117	0.0	1207	0.0	1316	0.0	1418	0.0	1524	0.0	1607	0.0
SAM-4	747	0.0	817	0.0	943	0.0	1018	0.0	1110	0.0	1202	0.0	1307	0.0	1412	0.0	1517	0.0	1602	0.0
IMPL-A	730	0.0	800	0.0	930	0.0	1010	0.0	1100	0.0	1150	0.0	1255	0.0	1400	0.0	1500	0.0	1550	0.0
IMPL-B	734	0.0	804	0.0	933	0.0	1012	0.0	1103	0.0	1152	0.0	1258	0.0	1403	0.0	1504	0.0	1553	0.0
IMPL-C	738	0.0	808	0.0	934	0.0	1013	0.0	1104	0.0	1153	0.0	1259	0.0	1404	0.0	1508	0.0	1554	0.0
IMPL-D	740	0.0	810	0.0	936	0.0	1014	0.0	1105	0.0	1155	0.0	1300	0.0	1406	0.0	1510	0.0	1556	0.0
IMPL-E	744	0.0	814	0.0	940	0.1	1016	0.0	1108	0.0	1200	0.1	1304	0.0	1410	0.0	1514	0.0	1600	0.0
IMPL-F	746	0.0	816	0.0	942	0.0	1017	0.0	1109	0.0	1201	0.1	1306	0.0	1411	0.0	1516	0.0	1601	0.0
IMPL-G	748	0.0	818	0.0	944	0.0	1019	0.0	1111	0.0	1203	0.0	1308	0.0	1413	0.0	1518	0.0	1603	0.0
IMPL-H	749	0.0	819	0.0	945	0.0	1020	0.0	1112	0.0	1204	0.0	1309	0.0	1414	0.0	1519	0.0	1604	0.0
IMPL-I	750	0.0	820	0.0	946	0.0	1021	0.0	1113	0.0	1205	0.0	1310	0.0	1415	0.0	1520	0.0	1605	0.0
IMPL-J	752	0.0	822	0.0	948	0.0	1022	0.0	1115	0.0	1206	0.0	1312	0.0	1416	0.0	1522	0.0	1606	0.0
IMPL-K	755	0.0	825	0.0	951	0.1	1024	0.1	1118	0.1	1208	0.0	1318	0.1	1419	0.1	1525	0.1	1608	0.1
IMPL-L	756	0.0	826	0.0	952	0.0	1025	0.0	1119	0.0	1209	0.0	1319	0.1	1420	0.1	1526	0.0	1609	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

2/22/2022																				
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	812	0.0	938	0.0	1015	0.0	1107	0.0	1206	0.0	1306	0.0	1408	0.0	1508	0.0	1608	0.0
SAM-2	732	0.0	802	0.0	932	0.0	1011	0.0	1102	0.0	1201	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0
SAM-3	754	0.0	824	0.0	950	0.1	1023	0.0	1117	0.0	1212	0.0	1320	0.0	1418	0.0	1520	0.0	1613	0.0
SAM-4	747	0.0	817	0.0	943	0.0	1018	0.0	1110	0.0	1207	0.0	1311	0.0	1412	0.0	1513	0.0	1608	0.0
IMPL-A	730	0.0	800	0.0	930	0.0	1010	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0
IMPL-B	734	0.0	804	0.0	933	0.0	1012	0.0	1103	0.0	1202	0.0	1303	0.0	1403	0.0	1503	0.0	1603	0.0
IMPL-C	738	0.0	808	0.0	934	0.0	1013	0.0	1104	0.0	1203	0.0	1304	0.0	1404	0.0	1504	0.0	1604	0.0
IMPL-D	740	0.0	810	0.0	936	0.0	1014	0.0	1105	0.0	1205	0.0	1304	0.0	1406	0.0	1506	0.0	1606	0.1
IMPL-E	744	0.0	814	0.0	940	0.0	1016	0.0	1108	0.0	1205	0.1	1308	0.0	1410	0.0	1510	0.0	1606	0.1
IMPL-F	746	0.0	816	0.0	942	0.0	1017	0.0	1109	0.0	1206	0.1	1310	0.0	1411	0.0	1512	0.0	1607	0.1
IMPL-G	748	0.0	818	0.0	944	0.0	1019	0.0	1111	0.0	1208	0.0	1312	0.0	1413	0.0	1514	0.0	1609	0.0
IMPL-H	749	0.0	819	0.1	945	0.0	1020	0.0	1112	0.0	1209	0.0	1313	0.0	1414	0.0	1515	0.0	1610	0.0
IMPL-I	750	0.0	820	0.1	946	0.0	1021	0.0	1113	0.0	1210	0.0	1314	0.0	1415	0.0	1516	0.0	1611	0.0
IMPL-J	752	0.0	822	0.0	948	0.0	1022	0.0	1115	0.0	1211	0.0	1316	0.0	1416	0.0	1518	0.0	1612	0.0
IMPL-K	755	0.0	825	0.0	951	0.1	1024	0.1	1118	0.1	1213	0.1	1322	0.0	1419	0.0	1521	0.0	1614	0.0
IMPL-L	756	0.0	826	0.0	952	0.0	1025	0.0	1119	0.0	1214	0.1	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

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

APPENDIX B COMPLETE PRELIMINARY LAB RESULT DATA



Appendix B: Complete Preliminary Lab Result Data

Method	Sample		Units	Results	Data Flags	Compound Name
	Sample ID	Start Date/Time				
EPA 325	220126-0209-SAM1	1/26/2022 9:36	UG	0.21	U	Styrene
EPA 325	220126-0209-SAM1	1/26/2022 9:36	UG	0.65		Benzene
EPA 325	220126-0209-SAM1	1/26/2022 9:36	UG	0.48	J	Toluene
EPA 325	220126-0209-SAM1	1/26/2022 9:36	UG	0.28	U	Ethyl Benzene
EPA 325	220126-0209-SAM1	1/26/2022 9:36	UG	0.28	U	m,p-Xylene
EPA 325	220126-0209-SAM1	1/26/2022 9:36	UG	0.28	U	o-Xylene
EPA 325	220126-0209-SAM2	1/26/2022 9:26	UG	0.21	U	Styrene
EPA 325	220126-0209-SAM2	1/26/2022 9:26	UG	0.82		Benzene
EPA 325	220126-0209-SAM2	1/26/2022 9:26	UG	0.65		Toluene
EPA 325	220126-0209-SAM2	1/26/2022 9:26	UG	0.28	U	Ethyl Benzene
EPA 325	220126-0209-SAM2	1/26/2022 9:26	UG	0.28	U	m,p-Xylene
EPA 325	220126-0209-SAM2	1/26/2022 9:26	UG	0.28	U	o-Xylene
EPA 325	220126-0209-SAM3	1/26/2022 9:31	UG	0.21	U	Styrene
EPA 325	220126-0209-SAM3	1/26/2022 9:31	UG	0.65		Benzene
EPA 325	220126-0209-SAM3	1/26/2022 9:31	UG	0.50		Toluene
EPA 325	220126-0209-SAM3	1/26/2022 9:31	UG	0.28	U	Ethyl Benzene
EPA 325	220126-0209-SAM3	1/26/2022 9:31	UG	0.28	U	m,p-Xylene
EPA 325	220126-0209-SAM3	1/26/2022 9:31	UG	0.28	U	o-Xylene
EPA 325	220126-0209-SAM4	1/26/2022 9:46	UG	0.21	U	Styrene
EPA 325	220126-0209-SAM4	1/26/2022 9:46	UG	0.68		Benzene
EPA 325	220126-0209-SAM4	1/26/2022 9:46	UG	0.56		Toluene
EPA 325	220126-0209-SAM4	1/26/2022 9:46	UG	0.28	U	Ethyl Benzene
EPA 325	220126-0209-SAM4	1/26/2022 9:46	UG	0.28	U	m,p-Xylene
EPA 325	220126-0209-SAM4	1/26/2022 9:46	UG	0.28	U	o-Xylene
EPA 325	220126-0209-SAM5	1/26/2022 9:41	UG	0.21	U	Styrene
EPA 325	220126-0209-SAM5	1/26/2022 9:41	UG	0.66		Benzene
EPA 325	220126-0209-SAM5	1/26/2022 9:41	UG	0.60		Toluene
EPA 325	220126-0209-SAM5	1/26/2022 9:41	UG	0.28	U	Ethyl Benzene
EPA 325	220126-0209-SAM5	1/26/2022 9:41	UG	0.28	U	m,p-Xylene
EPA 325	220126-0209-SAM5	1/26/2022 9:41	UG	0.28	U	o-Xylene
EPA 325	220126-0209-SAM6	1/26/2022 9:47	UG	0.21	U	Styrene
EPA 325	220126-0209-SAM6	1/26/2022 9:47	UG	0.27	J	Benzene
EPA 325	220126-0209-SAM6	1/26/2022 9:47	UG	0.25	U	Toluene
EPA 325	220126-0209-SAM6	1/26/2022 9:47	UG	0.28	U	Ethyl Benzene
EPA 325	220126-0209-SAM6	1/26/2022 9:47	UG	0.28	U	m,p-Xylene
EPA 325	220126-0209-SAM6	1/26/2022 9:47	UG	0.28	U	o-Xylene

ND - Non Detect

E - Exceeds instrument calibration range

Q - Exceeds quality control limits

S - Saturated peak

J - Estimated value

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

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

N - The identification is based on presumptive evidence.

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Naphthalene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	2-Methylnaphthalene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	2-Chloronaphthalene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Acenaphthylene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Acenaphthene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Fluorene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Phenanthrene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Anthracene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Fluoranthene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Pyrene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Chrysene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Benzo(a)anthracene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Benzo(b)fluoranthene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Benzo(k)fluoranthene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Benzo(a)pyrene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	%R	74		Fluorene-d10
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	%R	95		Pyrene-d10
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	%R	59		Benzo(a)pyrene-d12
TO-13A	20220131-0202-SAM1	01/31/2022 09:36	02/02/2022 08:47	%R	69		Fluoranthene-d10
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Naphthalene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	2-Methylnaphthalene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	2-Chloronaphthalene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Acenaphthylene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Acenaphthene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Fluorene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Phenanthrene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Anthracene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Fluoranthene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Pyrene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Chrysene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Benzo(a)anthracene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Benzo(b)fluoranthene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Benzo(k)fluoranthene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Benzo(a)pyrene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	%R	82		Fluorene-d10
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	%R	102		Pyrene-d10
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	%R	68		Benzo(a)pyrene-d12
TO-13A	20220131-0202-SAM2	01/31/2022 07:55	02/02/2022 08:13	%R	74		Fluoranthene-d10
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Naphthalene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	2-Methylnaphthalene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	2-Chloronaphthalene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Acenaphthylene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Acenaphthene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Fluorene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Phenanthrene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Anthracene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Fluoranthene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Pyrene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Chrysene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Benzo(a)anthracene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	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	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Benzo(k)fluoranthene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Benzo(a)pyrene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	%R	88		Fluorene-d10
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	%R	107		Pyrene-d10
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	%R	70		Benzo(a)pyrene-d12
TO-13A	20220131-0202-SAM3	01/31/2022 08:02	02/02/2022 08:34	%R	75		Fluoranthene-d10
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg	2.2		Naphthalene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	2-Methylnaphthalene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	2-Chloronaphthalene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Acenaphthylene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Acenaphthene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Fluorene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Phenanthrene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Anthracene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Fluoranthene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Pyrene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Chrysene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Benzo(a)anthracene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Benzo(b)fluoranthene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Benzo(k)fluoranthene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Benzo(a)pyrene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	%R	82		Fluorene-d10
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	%R	92		Pyrene-d10
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	%R	76		Benzo(a)pyrene-d12
TO-13A	20220131-0202-SAM4	01/31/2022 08:28	02/02/2022 08:54	%R	78		Fluoranthene-d10
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Naphthalene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	2-Methylnaphthalene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	2-Chloronaphthalene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Acenaphthylene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Acenaphthene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Fluorene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Phenanthrene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Anthracene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Fluoranthene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Pyrene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Chrysene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Benzo(a)anthracene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Benzo(b)fluoranthene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Benzo(k)fluoranthene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Benzo(a)pyrene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	%R	86		Fluorene-d10
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	%R	100		Pyrene-d10
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	%R	68		Benzo(a)pyrene-d12
TO-13A	20220131-0202-SAM5	01/31/2022 08:19	02/02/2022 08:49	%R	75		Fluoranthene-d10
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Naphthalene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	2-Methylnaphthalene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	2-Chloronaphthalene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	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	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Acenaphthene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Fluorene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Phenanthrene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Anthracene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Fluoranthene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Pyrene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Chrysene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Benzo(a)anthracene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Benzo(b)fluoranthene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Benzo(k)fluoranthene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Benzo(a)pyrene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	%R	76		Fluorene-d10
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	%R	94		Pyrene-d10
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	%R	59		Benzo(a)pyrene-d12
TO-13A	20220131-0202-SAM6	01/31/2022 08:30	02/02/2022 08:30	%R	70		Fluoranthene-d10

ND - Non Detect

E - Exceeds instrument calibration range

Q - Exceeds quality control limits

S - Saturated peak

J - Estimated value

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

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

N - The identification is based on presumptive evidence.

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Naphthalene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	2-Methylnaphthalene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	2-Chloronaphthalene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Acenaphthylene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Acenaphthene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Fluorene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Phenanthrene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Anthracene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Fluoranthene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Pyrene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Chrysene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Benzo(a)anthracene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Benzo(b)fluoranthene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Benzo(k)fluoranthene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Benzo(a)pyrene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	%R	79		Fluorene-d10
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	%R	131	Q	Pyrene-d10
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	%R	58		Benzo(a)pyrene-d12
TO-13A	20220202-03-SAM1	02/02/2022 10:54	02/03/2022 17:09	%R	76		Fluoranthene-d10
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Naphthalene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	2-Methylnaphthalene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	2-Chloronaphthalene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Acenaphthylene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Acenaphthene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Fluorene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Phenanthrene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Anthracene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Fluoranthene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Pyrene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Chrysene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Benzo(a)anthracene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Benzo(b)fluoranthene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Benzo(k)fluoranthene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Benzo(a)pyrene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	%R	81		Fluorene-d10
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	%R	116		Pyrene-d10
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	%R	62		Benzo(a)pyrene-d12
TO-13A	20220202-03-SAM2	02/02/2022 09:53	02/03/2022 17:20	%R	74		Fluoranthene-d10
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Naphthalene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	2-Methylnaphthalene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	2-Chloronaphthalene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Acenaphthylene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Acenaphthene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Fluorene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Phenanthrene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Anthracene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Fluoranthene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Pyrene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Chrysene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Benzo(a)anthracene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	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	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Benzo(k)fluoranthene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Benzo(a)pyrene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	%R	78		Fluorene-d10
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	%R	115		Pyrene-d10
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	%R	65		Benzo(a)pyrene-d12
TO-13A	20220202-03-SAM3	02/02/2022 10:03	02/03/2022 17:03	%R	76		Fluoranthene-d10
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Naphthalene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	2-Methylnaphthalene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	2-Chloronaphthalene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Acenaphthylene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Acenaphthene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Fluorene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Phenanthrene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Anthracene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Fluoranthene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Pyrene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Chrysene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Benzo(a)anthracene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Benzo(b)fluoranthene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Benzo(k)fluoranthene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Benzo(a)pyrene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	%R	86		Fluorene-d10
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	%R	119		Pyrene-d10
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	%R	66		Benzo(a)pyrene-d12
TO-13A	20220202-03-SAM4	02/02/2022 10:13	02/03/2022 17:15	%R	79		Fluoranthene-d10
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Naphthalene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	2-Methylnaphthalene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	2-Chloronaphthalene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Acenaphthylene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Acenaphthene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Fluorene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Phenanthrene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Anthracene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Fluoranthene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Pyrene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Chrysene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Benzo(a)anthracene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Benzo(b)fluoranthene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Benzo(k)fluoranthene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Benzo(a)pyrene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	%R	78		Fluorene-d10
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	%R	111		Pyrene-d10
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	%R	65		Benzo(a)pyrene-d12
TO-13A	20220202-03-SAM5	02/02/2022 10:09	02/03/2022 17:10	%R	69		Fluoranthene-d10
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Naphthalene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	2-Methylnaphthalene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	2-Chloronaphthalene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	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	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Acenaphthene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Fluorene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Phenanthrene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Anthracene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Fluoranthene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Pyrene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Chrysene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Benzo(a)anthracene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Benzo(b)fluoranthene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Benzo(k)fluoranthene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Benzo(a)pyrene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	%R	77		Fluorene-d10
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	%R	107		Pyrene-d10
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	%R	70		Benzo(a)pyrene-d12
TO-13A	20220202-03-SAM6	02/02/2022 08:10	02/03/2022 17:25	%R	64		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	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Naphthalene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	2-Methylnaphthalene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	2-Chloronaphthalene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Acenaphthylene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Acenaphthene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Fluorene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Phenanthrene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Anthracene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Fluoranthene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Pyrene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Chrysene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Benzo(a)anthracene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Benzo(b)fluoranthene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Benzo(k)fluoranthene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Benzo(a)pyrene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	%R	90		Fluorene-d10
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	%R	96		Pyrene-d10
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	%R	74		Benzo(a)pyrene-d12
TO-13A	20220207-09-SAM1	02/07/2022 08:28	02/09/2022 07:50	%R	81		Fluoranthene-d10
TO-13A	20220207-09-SAM2	02/07/2022 08:28	02/09/2022 07:58	µg		ND	Naphthalene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	2-Methylnaphthalene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	2-Chloronaphthalene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Acenaphthylene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Acenaphthene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Fluorene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Phenanthrene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Anthracene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Fluoranthene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Pyrene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Chrysene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Benzo(a)anthracene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Benzo(b)fluoranthene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Benzo(k)fluoranthene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Benzo(a)pyrene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	%R	91		Fluorene-d10
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	%R	100		Pyrene-d10
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	%R	85		Benzo(a)pyrene-d12
TO-13A	20220207-09-SAM2	02/07/2022 08:36	02/09/2022 07:58	%R	85		Fluoranthene-d10
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Naphthalene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	2-Methylnaphthalene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	2-Chloronaphthalene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Acenaphthylene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Acenaphthene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Fluorene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Phenanthrene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Anthracene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Fluoranthene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Pyrene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Chrysene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Benzo(a)anthracene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Benzo(b)fluoranthene

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Benzo(k)fluoranthene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Benzo(a)pyrene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	%R	89		Fluorene-d10
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	%R	90		Pyrene-d10
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	%R	80		Benzo(a)pyrene-d12
TO-13A	20220207-09-SAM3	02/07/2022 08:22	02/09/2022 07:45	%R	89		Fluoranthene-d10
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Naphthalene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	2-Methylnaphthalene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	2-Chloronaphthalene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Acenaphthylene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Acenaphthene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Fluorene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Phenanthrene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Anthracene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Fluoranthene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Pyrene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Chrysene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Benzo(a)anthracene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Benzo(b)fluoranthene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Benzo(k)fluoranthene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Benzo(a)pyrene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	%R	88		Fluorene-d10
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	%R	88		Pyrene-d10
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	%R	74		Benzo(a)pyrene-d12
TO-13A	20220207-09-SAM4	02/07/2022 08:06	02/09/2022 08:08	%R	86		Fluoranthene-d10
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Naphthalene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	2-Methylnaphthalene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	2-Chloronaphthalene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Acenaphthylene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Acenaphthene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Fluorene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Phenanthrene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Anthracene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Fluoranthene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Pyrene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Chrysene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Benzo(a)anthracene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Benzo(b)fluoranthene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Benzo(k)fluoranthene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Benzo(a)pyrene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	%R	83		Fluorene-d10
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	%R	88		Pyrene-d10
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	%R	74		Benzo(a)pyrene-d12
TO-13A	20220207-09-SAM5	02/07/2022 08:14	02/09/2022 07:59	%R	74		Fluoranthene-d10
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Naphthalene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	2-Methylnaphthalene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	2-Chloronaphthalene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Acenaphthylene

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Acenaphthene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Fluorene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Phenanthrene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Anthracene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Fluoranthene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Pyrene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Chrysene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Benzo(a)anthracene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Benzo(b)fluoranthene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Benzo(k)fluoranthene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Benzo(a)pyrene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	%R	91		Fluorene-d10
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	%R	105		Pyrene-d10
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	%R	102		Benzo(a)pyrene-d12
TO-13A	20220207-09-SAM6	02/07/2022 07:39	02/09/2022 08:10	%R	88		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.

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