

Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

28 March 2022

Project No.: 0529307

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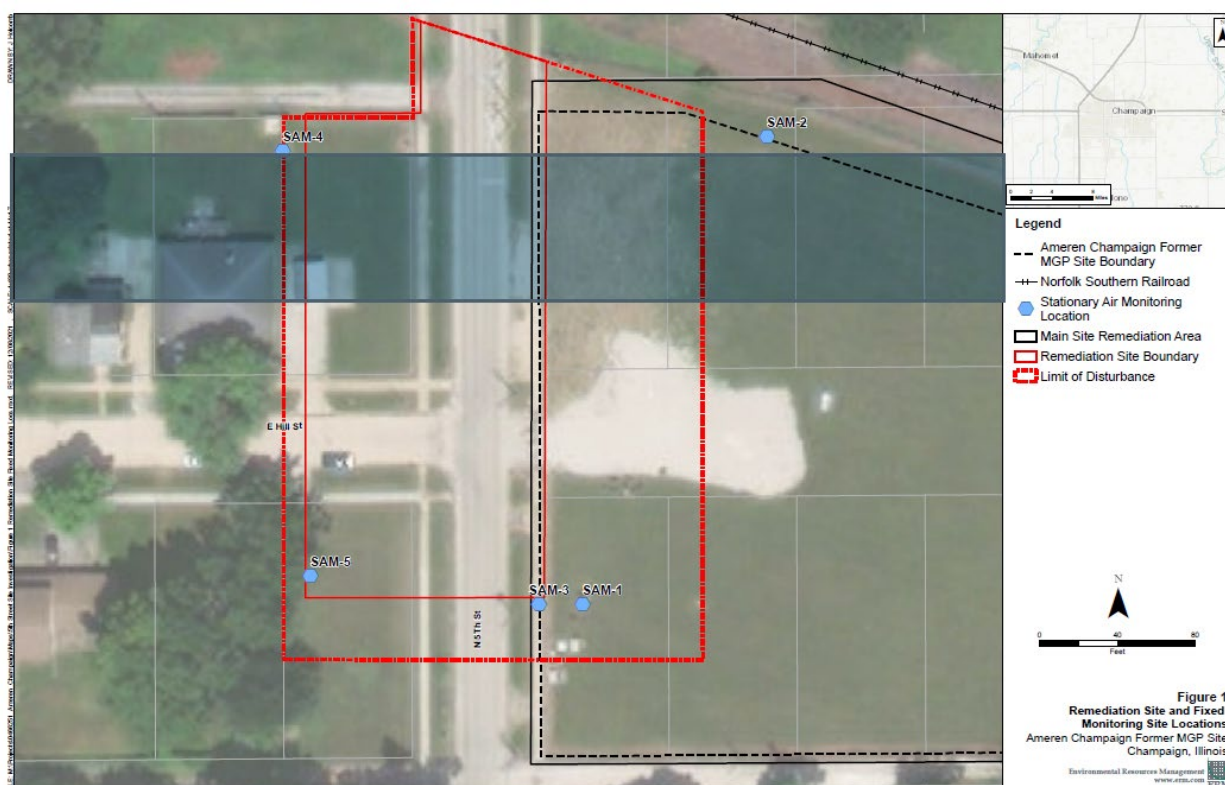
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1. INTRODUCTION

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

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



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

This weekly summary presents the real-time ambient air quality and meteorological data collected from March 16, 2022 through March 22, 2022. The laboratory results that are presented were collected from March 7 through March 11, 2022. All results are compared to the established maximum acceptable exposure levels and are representative of ongoing remedial efforts.

2. SUMMARY

The reporting period covers the initial remediation operational phase. During this period, no parameters exceeded their corresponding designated action levels over the reporting period. This indicates that there was no significant adverse impact on local air quality. Since there were no exceedances of the action or maximum acceptable exposure levels, there was no need to curtail remediation activities or enhance

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

Table 1 Reporting Period Air Monitoring Summary

CONSTITUENTS OF CONCERN, SAMPLING PERIOD, UNITS	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL
Inhalable Particulate Matter (15-min average, $\mu\text{g}/\text{m}^3$)	3/9/2022 – 3/15/2022	0	92	360
VOC (1-minute average, $\mu\text{g}/\text{m}^3$)	3/9/2022 – 3/15/2022	0	0.	156.7
Benzene, Real-time GC (1-minute average $\mu\text{g}/\text{m}^3$)	3/9/2022 – 3/15/2022	0	NM	156.7
Styrene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	No data reported during this period.			205,000
Benzene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	No data reported during this period.			16.5
Toluene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	No data reported during this period.			23,400
Xylenes(total), Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	No data reported during this period.			41,000
Ethylbenzene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	No data reported during this period.			59,400
2-methylnaphthalene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	820
Acenaphthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	12,300
Acenaphthylene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	615
Anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	615
Benzo(a)anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	1.54
Benzo(a)pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	0.154
Benzo(k)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	15.4
Benzo(b)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	15.4
Chrysene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	154

CONSTITUENTS OF CONCERN, SAMPLING PERIOD, UNITS	MONITORING PERIOD	NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES	MAXIMUM MEASURED CONCENTRATION	ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL
Dibenzo(a,h)anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	0.154
Fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	8,200
Fluorene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	8,200
Indeno(1,2,3-cd)pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	1.54
Napthalene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	5.1	176
Phenanthrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	6,150
Pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	3/7/2022 – 3/11/2022	0	ND	6,150

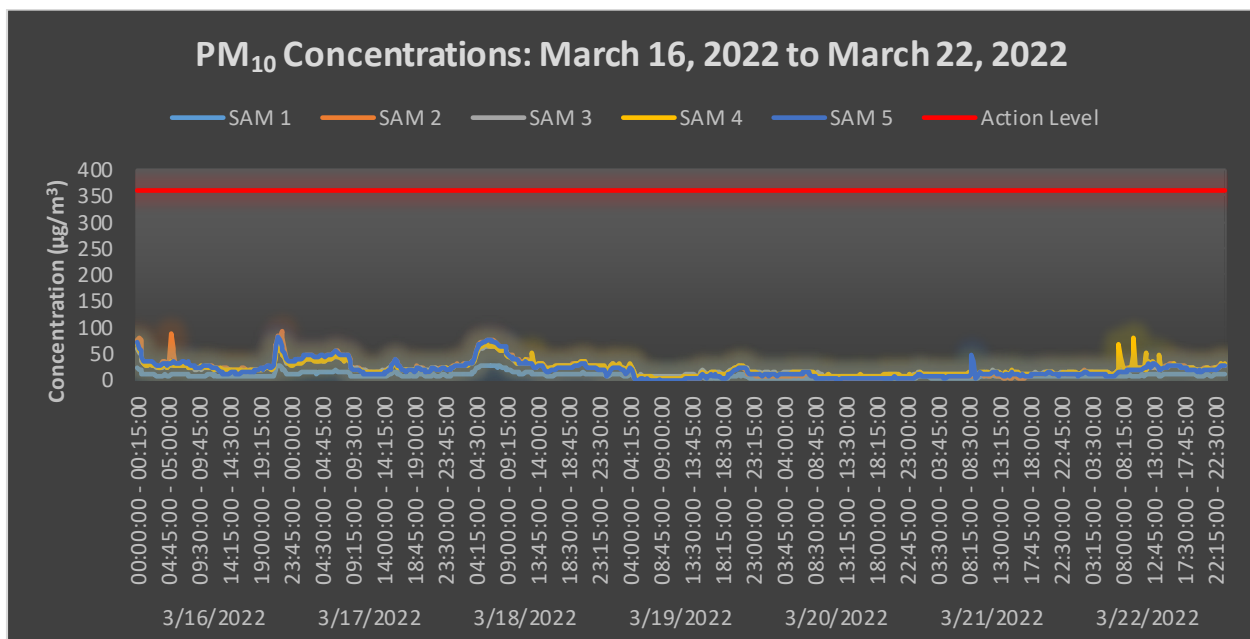
Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

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

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

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

Figure 2: PM_{10} Concentrations



APPENDIX A COMPLETE PRELIMINARY DATA RECORD



Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]
03/16/2022	00:00:00 - 00:15:00	23	77	57	66	70	0.1	177	9.1	89	993.5
03/16/2022	00:15:00 - 00:30:00	19	79	51	56	60	0.2	291	10.0	84	993.3
03/16/2022	00:30:00 - 00:45:00	18	75	48	52	56	0.5	289	9.7	84	993.2
03/16/2022	00:45:00 - 01:00:00	12	38	33	42	44	0.4	199	10.6	82	993.1
03/16/2022	01:00:00 - 01:15:00	10	31	29	31	35	0.5	172	11.3	77	993.0
03/16/2022	01:15:00 - 01:30:00	9	29	28	28	33	0.5	181	11.4	77	992.9
03/16/2022	01:30:00 - 01:45:00	9	29	28	28	33	0.5	184	11.1	77	992.9
03/16/2022	01:45:00 - 02:00:00	10	31	29	28	35	0.6	194	11.0	78	992.9
03/16/2022	02:00:00 - 02:15:00	10	31	29	29	34	0.8	216	11.0	78	992.8
03/16/2022	02:15:00 - 02:30:00	9	29	27	27	33	0.7	202	11.2	77	992.8
03/16/2022	02:30:00 - 02:45:00	9	28	28	27	32	0.5	192	11.0	77	992.6
03/16/2022	02:45:00 - 03:00:00	9	26	26	26	30	0.5	190	10.7	78	992.4
03/16/2022	03:00:00 - 03:15:00	8	25	24	25	29	0.7	211	10.8	77	992.3
03/16/2022	03:15:00 - 03:30:00	8	24	24	24	28	0.7	204	10.8	77	992.2
03/16/2022	03:30:00 - 03:45:00	8	24	23	24	28	0.4	210	10.6	78	992.0
03/16/2022	03:45:00 - 04:00:00	8	25	24	24	28	0.4	274	10.1	79	991.9
03/16/2022	04:00:00 - 04:15:00	8	35	24	25	29	0.4	270	9.6	81	991.8
03/16/2022	04:15:00 - 04:30:00	9	35	26	27	31	0.4	271	9.2	82	991.8
03/16/2022	04:30:00 - 04:45:00	8	32	24	25	29	0.5	245	9.5	82	991.8
03/16/2022	04:45:00 - 05:00:00	7	25	23	24	29	0.6	249	10.0	79	991.8
03/16/2022	05:00:00 - 05:15:00	8	36	25	27	31	0.5	281	9.3	81	991.7
03/16/2022	05:15:00 - 05:30:00	9	86	27	33	32	0.4	307	8.7	83	991.7
03/16/2022	05:30:00 - 05:45:00	10	60	28	29	33	0.4	344	8.2	85	991.6
03/16/2022	05:45:00 - 06:00:00	10	51	28	29	35	0.4	284	8.1	86	991.6
03/16/2022	06:00:00 - 06:15:00	9	27	27	27	31	0.4	236	8.9	84	991.7
03/16/2022	06:15:00 - 06:30:00	10	29	28	26	32	0.6	245	9.5	81	991.6
03/16/2022	06:30:00 - 06:45:00	9	29	28	26	33	0.6	258	9.6	80	991.6
03/16/2022	06:45:00 - 07:00:00	9	29	28	27	33	0.6	239	10.0	78	991.6
03/16/2022	07:00:00 - 07:15:00	9	31	28	28	35	0.3	202	9.9	77	991.6
03/16/2022	07:15:00 - 07:30:00	9	28	27	28	33	0.6	135	10.0	76	991.7
03/16/2022	07:30:00 - 07:45:00	9	28	27	26	32	0.4	167	10.4	76	991.7
03/16/2022	07:45:00 - 08:00:00	9	28	26	26	33	0.6	145	10.7	76	991.8
03/16/2022	08:00:00 - 08:15:00	8	26	24	23	30	1.3	138	10.5	76	992.0
03/16/2022	08:15:00 - 08:30:00	7	25	22	22	27	0.8	150	10.6	76	992.1
03/16/2022	08:30:00 - 08:45:00	7	24	22	24	27	1.1	142	11.3	73	992.1
03/16/2022	08:45:00 - 09:00:00	7	23	21	24	25	0.6	180	12.2	71	992.0
03/16/2022	09:00:00 - 09:15:00	7	22	20	21	24	1.1	192	12.6	69	991.9
03/16/2022	09:15:00 - 09:30:00	7	22	20	22	24	1.3	197	13.2	69	991.8
03/16/2022	09:30:00 - 09:45:00	7	23	21	23	24	1.1	200	13.6	69	991.8
03/16/2022	09:45:00 - 10:00:00	8	23	22	26	23	1.3	186	14.7	66	991.8
03/16/2022	10:00:00 - 10:15:00	7	22	20	22	22	0.9	196	15.5	63	991.7
03/16/2022	10:15:00 - 10:30:00	7	21	22	24	25	1.1	198	16.7	59	991.6
03/16/2022	10:30:00 - 10:45:00	8	24	23	26	25	0.8	195	17.7	56	991.4
03/16/2022	10:45:00 - 11:00:00	9	26	24	25	27	1.3	191	18.2	52	991.2
03/16/2022	11:00:00 - 11:15:00	9	25	23	23	28	1.5	183	19.0	49	991.1
03/16/2022	11:15:00 - 11:30:00	9	26	24	24	26	1.5	204	19.1	47	990.9
03/16/2022	11:30:00 - 11:45:00	9	26	22	23	23	1.4	204	19.4	46	990.7
03/16/2022	11:45:00 - 12:00:00	8	23	21	20	22	2.2	208	19.6	46	990.6
03/16/2022	12:00:00 - 12:15:00	10	24	24	21	24	2.2	207	19.5	46	990.4
03/16/2022	12:15:00 - 12:30:00	8	23	20	23	22	1.6	195	19.9	45	990.1
03/16/2022	12:30:00 - 12:45:00	7	23	19	19	17	1.7	210	20.2	44	989.8
03/16/2022	12:45:00 - 13:00:00	7	20	18	21	15	1.7	202	20.4	43	989.5
03/16/2022	13:00:00 - 13:15:00	6	22	17	17	14	2.1	212	20.3	42	989.3
03/16/2022	13:15:00 - 13:30:00	6	23	17	17	12	1.5	201	20.8	41	988.9
03/16/2022	13:30:00 - 13:45:00	6	23	17	19	11	1.8	208	21.1	40	988.6
03/16/2022	13:45:00 - 14:00:00	7	23	19	19	11	1.8	199	21.1	40	988.2
03/16/2022	14:00:00 - 14:15:00	6	20	17	18	12	1.9	198	21.1	40	987.9
03/16/2022	14:15:00 - 14:30:00	6	20	16	19	11	1.7	212	21.3	40	987.6
03/16/2022	14:30:00 - 14:45:00	6	20	17	19	13	1.7	206	21.5	40	987.4
03/16/2022	14:45:00 - 15:00:00	6	18	16	20	14	1.7	198	21.4	41	987.3
03/16/2022	15:00:00 - 15:15:00	6	18	16	20	13	2.2	199	21.3	40	987.2
03/16/2022	15:15:00 - 15:30:00	6	19	16	17	12	1.6	192	21.4	41	987.0

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
03/16/2022	15:30:00 - 15:45:00	6	17	16	18	12	2.3	203	21.2	41	986.9
03/16/2022	15:45:00 - 16:00:00	6	18	16	17	12	1.6	200	21.3	41	986.8
03/16/2022	16:00:00 - 16:15:00	6	20	18	17	13	1.5	220	21.4	41	986.7
03/16/2022	16:15:00 - 16:30:00	7	21	19	17	15	1.5	210	21.4	41	986.4
03/16/2022	16:30:00 - 16:45:00	6	21	16	16	13	1.4	203	21.3	41	986.2
03/16/2022	16:45:00 - 17:00:00	6	17	16	17	13	1.7	199	21.1	41	986.1
03/16/2022	17:00:00 - 17:15:00	6	17	16	16	13	1.7	203	21.0	41	985.9
03/16/2022	17:15:00 - 17:30:00	6	17	16	16	14	1.9	205	20.7	42	985.9
03/16/2022	17:30:00 - 17:45:00	7	17	18	17	14	1.2	207	20.8	41	985.9
03/16/2022	17:45:00 - 18:00:00	6	17	16	17	15	1.3	208	20.6	41	985.8
03/16/2022	18:00:00 - 18:15:00	7	18	17	18	16	1.3	226	20.2	41	985.8
03/16/2022	18:15:00 - 18:30:00	7	18	18	18	17	1.3	209	19.8	43	985.8
03/16/2022	18:30:00 - 18:45:00	7	19	18	18	17	0.8	216	19.3	44	985.8
03/16/2022	18:45:00 - 19:00:00	7	20	19	19	20	0.8	208	18.7	45	985.8
03/16/2022	19:00:00 - 19:15:00	7	20	20	20	21	0.2	210	17.9	48	986.0
03/16/2022	19:15:00 - 19:30:00	7	21	20	19	20	0.2	211	17.0	51	986.1
03/16/2022	19:30:00 - 19:45:00	7	21	20	20	22	0.1	263	16.2	53	986.2
03/16/2022	19:45:00 - 20:00:00	7	23	21	22	23	0.2	142	16.1	55	986.3
03/16/2022	20:00:00 - 20:15:00	8	25	23	23	26	0.2	166	15.9	55	986.4
03/16/2022	20:15:00 - 20:30:00	8	23	22	23	25	0.4	147	15.8	56	986.4
03/16/2022	20:30:00 - 20:45:00	7	22	21	22	23	0.4	149	16.1	55	986.2
03/16/2022	20:45:00 - 21:00:00	7	20	20	20	22	0.3	172	15.6	56	986.3
03/16/2022	21:00:00 - 21:15:00	8	24	23	23	27	0.2	214	15.1	57	986.4
03/16/2022	21:15:00 - 21:30:00	19	68	48	43	61	0.2	218	14.7	58	986.3
03/16/2022	21:30:00 - 21:45:00	21	65	53	51	65	0.8	204	15.0	58	986.2
03/16/2022	21:45:00 - 22:00:00	25	82	63	60	81	0.4	245	14.4	59	986.3
03/16/2022	22:00:00 - 22:15:00	25	81	63	57	74	0.6	288	13.4	63	986.4
03/16/2022	22:15:00 - 22:30:00	21	92	53	51	64	0.4	287	13.0	64	986.4
03/16/2022	22:30:00 - 22:45:00	19	78	48	47	56	0.4	269	12.6	66	986.3
03/16/2022	22:45:00 - 23:00:00	18	61	44	41	52	0.2	244	12.6	66	986.2
03/16/2022	23:00:00 - 23:15:00	12	37	31	34	40	0.3	241	13.0	65	986.1
03/16/2022	23:15:00 - 23:30:00	11	35	31	30	36	0.4	195	13.5	63	986.1
03/16/2022	23:30:00 - 23:45:00	11	33	31	29	35	0.4	187	13.5	63	986.1
03/16/2022	23:45:00 - 00:00:00	11	33	30	29	34	0.4	181	13.5	63	986.0
03/17/2022	00:00:00 - 00:15:00	11	33	30	28	34	0.6	178	13.6	62	985.9
03/17/2022	00:15:00 - 00:30:00	11	35	32	29	36	0.6	185	13.6	62	985.8
03/17/2022	00:30:00 - 00:45:00	12	37	33	30	37	0.4	197	13.5	63	985.8
03/17/2022	00:45:00 - 01:00:00	12	37	34	32	38	0.6	193	13.1	64	985.8
03/17/2022	01:00:00 - 01:15:00	12	38	33	31	38	0.8	195	13.5	63	985.8
03/17/2022	01:15:00 - 01:30:00	12	39	34	33	40	0.8	212	13.4	64	986.0
03/17/2022	01:30:00 - 01:45:00	13	42	36	35	43	0.6	210	13.0	65	986.1
03/17/2022	01:45:00 - 02:00:00	14	44	37	36	46	0.6	223	12.7	66	986.1
03/17/2022	02:00:00 - 02:15:00	14	45	38	39	47	0.8	228	12.4	68	986.0
03/17/2022	02:15:00 - 02:30:00	14	47	39	40	48	0.7	260	12.4	68	986.0
03/17/2022	02:30:00 - 02:45:00	15	47	40	40	48	0.5	257	11.9	70	985.9
03/17/2022	02:45:00 - 03:00:00	15	47	40	40	48	0.7	264	11.7	71	985.8
03/17/2022	03:00:00 - 03:15:00	15	46	39	37	47	0.7	237	11.7	71	985.8
03/17/2022	03:15:00 - 03:30:00	14	44	37	35	45	1.0	232	12.1	71	985.7
03/17/2022	03:30:00 - 03:45:00	13	42	35	35	44	1.1	223	12.4	70	985.7
03/17/2022	03:45:00 - 04:00:00	12	40	34	34	42	1.3	222	12.5	68	986
03/17/2022	04:00:00 - 04:15:00	13	41	35	35	43	1.1	228	12.2	69	986
03/17/2022	04:15:00 - 04:30:00	14	44	37	36	46	0.9	229	11.7	71	986
03/17/2022	04:30:00 - 04:45:00	14	44	38	37	46	0.9	229	11.5	73	986
03/17/2022	04:45:00 - 05:00:00	14	43	37	36	45	0.8	220	11.5	73	986
03/17/2022	05:00:00 - 05:15:00	13	42	36	36	44	0.8	230	11.6	73	986
03/17/2022	05:15:00 - 05:30:00	15	46	39	39	47	0.7	239	11.1	74	986
03/17/2022	05:30:00 - 05:45:00	15	47	39	40	49	0.8	232	11.0	76	986
03/17/2022	05:45:00 - 06:00:00	14	46	38	40	47	1.1	229	11.3	77	986
03/17/2022	06:00:00 - 06:15:00	14	47	39	41	49	0.8	215	11.3	77	986
03/17/2022	06:15:00 - 06:30:00	15	49	41	43	51	1.1	213	11.3	77	986
03/17/2022	06:30:00 - 06:45:00	17	52	44	45	54	0.8	244	10.6	78	986
03/17/2022	06:45:00 - 07:00:00	17	54	44	46	56	0.9	221	10.2	81	986

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]
03/17/2022	07:00:00 - 07:15:00	16	55	42	44	52	0.8	220	10.8	81	986
03/17/2022	07:15:00 - 07:30:00	16	49	41	41	48	0.6	198	11.0	81	986
03/17/2022	07:30:00 - 07:45:00	15	46	39	40	47	0.6	188	11.4	79	986
03/17/2022	07:45:00 - 08:00:00	14	47	38	39	47	0.5	187	11.6	78	987
03/17/2022	08:00:00 - 08:15:00	13	44	36	36	45	1.2	219	11.9	78	987
03/17/2022	08:15:00 - 08:30:00	14	46	38	37	46	1.2	215	12.1	77	987
03/17/2022	08:30:00 - 08:45:00	14	46	37	37	45	1.2	206	12.5	78	987
03/17/2022	08:45:00 - 09:00:00	11	38	31	29	35	1.2	208	13.5	77	987
03/17/2022	09:00:00 - 09:15:00	8	26	23	22	23	1.3	218	14.9	76	986.7
03/17/2022	09:15:00 - 09:30:00	8	24	23	20	19	1.4	212	15.9	74	986.6
03/17/2022	09:30:00 - 09:45:00	7	22	20	19	18	1.6	208	16.4	71	986.6
03/17/2022	09:45:00 - 10:00:00	8	25	21	19	19	1.4	213	16.6	71	986.7
03/17/2022	10:00:00 - 10:15:00	7	22	20	19	18	1.4	217	17.0	70	986.7
03/17/2022	10:15:00 - 10:30:00	6	22	19	18	17	1.5	219	17.6	69	986.7
03/17/2022	10:30:00 - 10:45:00	6	18	17	17	15	1.5	218	18.2	66	986.8
03/17/2022	10:45:00 - 11:00:00	6	16	17	15	12	0.9	226	19.1	64	986.8
03/17/2022	11:00:00 - 11:15:00	6	17	15	15	12	1.5	205	19.5	62	986.8
03/17/2022	11:15:00 - 11:30:00	7	18	17	15	12	1.2	246	19.8	62	986.6
03/17/2022	11:30:00 - 11:45:00	6	16	16	15	11	1.0	252	20.0	60	986.6
03/17/2022	11:45:00 - 12:00:00	5	15	14	15	11	1.0	240	20.2	59	986.6
03/17/2022	12:00:00 - 12:15:00	5	14	13	14	11	1.5	210	20.5	57	986.6
03/17/2022	12:15:00 - 12:30:00	5	13	13	14	10	1.2	225	21.1	56	986.5
03/17/2022	12:30:00 - 12:45:00	6	12	14	14	9	1.0	242	21.5	54	986.5
03/17/2022	12:45:00 - 13:00:00	5	15	13	14	10	1.5	212	21.4	53	986.3
03/17/2022	13:00:00 - 13:15:00	7	14	15	14	10	1.7	199	22.0	50	986.2
03/17/2022	13:15:00 - 13:30:00	6	15	16	14	11	1.7	212	22.6	48	986.1
03/17/2022	13:30:00 - 13:45:00	6	14	15	15	11	1.1	214	22.6	49	986.0
03/17/2022	13:45:00 - 14:00:00	7	16	18	16	12	1.4	238	22.9	48	985.7
03/17/2022	14:00:00 - 14:15:00	6	17	16	15	12	1.3	213	22.9	47	985.4
03/17/2022	14:15:00 - 14:30:00	7	15	16	16	13	2.1	203	22.6	48	985.2
03/17/2022	14:30:00 - 14:45:00	7	17	18	17	15	1.2	230	22.6	48	985.0
03/17/2022	14:45:00 - 15:00:00	8	19	21	20	19	1.5	198	23.4	46	984.9
03/17/2022	15:00:00 - 15:15:00	9	22	22	20	19	1.3	213	23.1	46	984.7
03/17/2022	15:15:00 - 15:30:00	11	25	25	22	25	1.0	204	23.3	45	984.7
03/17/2022	15:30:00 - 15:45:00	12	32	29	28	32	1.3	207	23.4	42	984.7
03/17/2022	15:45:00 - 16:00:00	15	40	35	33	40	1.6	207	22.7	41	984.7
03/17/2022	16:00:00 - 16:15:00	14	35	32	29	36	1.0	209	22.9	41	984.7
03/17/2022	16:15:00 - 16:30:00	11	27	25	24	26	2.2	210	22.7	42	984.7
03/17/2022	16:30:00 - 16:45:00	10	26	24	24	26	1.7	208	22.4	42	984.7
03/17/2022	16:45:00 - 17:00:00	8	19	19	19	18	1.4	195	22.8	43	984.7
03/17/2022	17:00:00 - 17:15:00	8	18	18	18	17	1.0	199	22.4	43	984.8
03/17/2022	17:15:00 - 17:30:00	8	18	17	17	16	1.4	197	22.3	43	984.9
03/17/2022	17:30:00 - 17:45:00	8	17	17	17	16	1.2	187	21.7	45	984.9
03/17/2022	17:45:00 - 18:00:00	8	18	17	18	17	0.9	200	21.3	46	985.1
03/17/2022	18:00:00 - 18:15:00	8	18	17	18	18	0.9	191	21.1	47	985.2
03/17/2022	18:15:00 - 18:30:00	9	20	19	19	20	1.0	188	20.8	48	985.3
03/17/2022	18:30:00 - 18:45:00	8	19	18	19	19	0.7	200	20.4	50	985.5
03/17/2022	18:45:00 - 19:00:00	8	18	17	18	16	0.6	196	19.7	53	985.6
03/17/2022	19:00:00 - 19:15:00	8	19	18	18	17	0.5	167	19.1	55	985.7
03/17/2022	19:15:00 - 19:30:00	10	25	22	22	23	0.5	166	18.6	56	985.7
03/17/2022	19:30:00 - 19:45:00	9	22	20	21	21	0.4	191	18.1	57	985.8
03/17/2022	19:45:00 - 20:00:00	9	22	21	20	20	0.2	210	17.7	59	985.9
03/17/2022	20:00:00 - 20:15:00	8	21	20	20	20	0.5	203	17.4	61	986.1
03/17/2022	20:15:00 - 20:30:00	8	19	19	18	18	0.5	176	17.3	62	986.2
03/17/2022	20:30:00 - 20:45:00	7	18	18	17	15	0.7	206	17.2	62	986.5
03/17/2022	20:45:00 - 21:00:00	7	16	17	16	14	0.8	201	17.0	62	986.5
03/17/2022	21:00:00 - 21:15:00	7	16	17	16	14	0.7	203	16.9	62	986.4
03/17/2022	21:15:00 - 21:30:00	7	20	19	18	17	0.7	200	16.8	62	986.4
03/17/2022	21:30:00 - 21:45:00	9	23	21	21	21	0.4	144	16.7	63	986.4
03/17/2022	21:45:00 - 22:00:00	9	23	22	21	21	0.6	129	16.4	64	986.4
03/17/2022	22:00:00 - 22:15:00	8	21	21	20	19	0.5	158	16.1	65	986.3
03/17/2022	22:15:00 - 22:30:00	8	20	20	19	18	0.5	154	16.1	65	986.2

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [° Celsius]	Relative Humidity [%]	Barometric Pressure [mb]
03/17/2022	22:30:00 - 22:45:00	8	20	20	20	19	0.4	166	16.0	66	986.2
03/17/2022	22:45:00 - 23:00:00	8	21	20	20	19	0.8	145	15.8	66	986.1
03/17/2022	23:00:00 - 23:15:00	9	24	23	23	23	0.5	157	15.6	67	986.0
03/17/2022	23:15:00 - 23:30:00	9	24	22	22	22	0.4	169	15.5	68	985.9
03/17/2022	23:30:00 - 23:45:00	9	23	22	22	22	0.6	145	15.3	68	985.9
03/17/2022	23:45:00 - 00:00:00	8	21	21	21	20	0.5	158	15.2	69	985.7
03/18/2022	00:00:00 - 00:15:00	7	19	19	19	18	0.5	136	15.2	69	985.6
03/18/2022	00:15:00 - 00:30:00	7	19	19	19	18	0.4	151	15.2	69	985.6
03/18/2022	00:30:00 - 00:45:00	9	23	22	22	21	0.5	147	15.1	69	985.4
03/18/2022	00:45:00 - 01:00:00	9	25	24	24	24	0.4	166	14.7	71	985.0
03/18/2022	01:00:00 - 01:15:00	10	27	26	25	26	0.4	173	14.6	72	984.9
03/18/2022	01:15:00 - 01:30:00	11	29	27	26	27	0.5	180	14.6	72	985.0
03/18/2022	01:30:00 - 01:45:00	10	28	26	26	26	0.4	151	14.2	73	984.9
03/18/2022	01:45:00 - 02:00:00	10	28	26	25	25	0.5	156	14.0	74	985.3
03/18/2022	02:00:00 - 02:15:00	11	29	27	26	26	0.6	164	13.7	75	985.4
03/18/2022	02:15:00 - 02:30:00	11	29	27	27	27	0.4	189	13.4	76	985.3
03/18/2022	02:30:00 - 02:45:00	11	29	28	27	28	0.3	163	13.4	76	985.3
03/18/2022	02:45:00 - 03:00:00	11	30	29	28	29	0.2	169	13.3	77	985.2
03/18/2022	03:00:00 - 03:15:00	11	31	29	29	30	0.3	144	13.5	77	985.0
03/18/2022	03:15:00 - 03:30:00	12	31	29	29	30	0.1	57	13.4	77	984.7
03/18/2022	03:30:00 - 03:45:00	12	33	30	36	33	0.7	34	12.2	79	984.6
03/18/2022	03:45:00 - 04:00:00	12	34	31	32	32	0.7	44	10.4	83	984.4
03/18/2022	04:00:00 - 04:15:00	14	37	34	34	37	0.7	30	9.9	85	984.4
03/18/2022	04:15:00 - 04:30:00	21	55	51	46	55	0.9	48	9.6	86	984.4
03/18/2022	04:30:00 - 04:45:00	23	66	56	60	64	0.9	54	9.2	86	984.6
03/18/2022	04:45:00 - 05:00:00	24	68	58	61	66	0.9	43	9.1	87	984.6
03/18/2022	05:00:00 - 05:15:00	25	70	60	62	68	0.9	59	8.9	87	984.6
03/18/2022	05:15:00 - 05:30:00	25	71	60	63	70	0.8	52	8.9	88	984.4
03/18/2022	05:30:00 - 05:45:00	25	72	61	67	73	0.6	32	9.0	88	984.2
03/18/2022	05:45:00 - 06:00:00	26	73	63	67	73	0.8	52	9.0	88	984.2
03/18/2022	06:00:00 - 06:15:00	26	75	63	67	74	0.7	55	8.9	88	984.0
03/18/2022	06:15:00 - 06:30:00	26	77	64	65	76	0.9	57	9.0	88	983.9
03/18/2022	06:30:00 - 06:45:00	26	75	64	64	74	1.3	74	9.1	88	983.2
03/18/2022	06:45:00 - 07:00:00	26	75	64	64	73	1.3	70	9.1	89	982.6
03/18/2022	07:00:00 - 07:15:00	26	73	63	63	72	1.7	86	9.3	89	982.2
03/18/2022	07:15:00 - 07:30:00	25	71	62	63	70	1.9	82	9.7	89	981.9
03/18/2022	07:30:00 - 07:45:00	24	69	59	60	68	1.8	88	10.0	89	981.9
03/18/2022	07:45:00 - 08:00:00	25	65	63	58	68	1.4	98	10.4	88	981.4
03/18/2022	08:00:00 - 08:15:00	25	63	63	54	63	1.6	105	10.9	87	981.8
03/18/2022	08:15:00 - 08:30:00	24	60	60	56	62	1.7	102	11.2	86	981.8
03/18/2022	08:30:00 - 08:45:00	23	57	57	56	62	1.8	97	11.5	86	981.8
03/18/2022	08:45:00 - 09:00:00	22	56	55	57	62	1.5	99	11.6	86	981.7
03/18/2022	09:00:00 - 09:15:00	20	52	51	48	49	1.7	103	11.9	85	981.8
03/18/2022	09:15:00 - 09:30:00	19	48	47	43	46	1.6	99	12.1	85	981.8
03/18/2022	09:30:00 - 09:45:00	17	48	43	44	44	1.3	105	12.3	86	981.5
03/18/2022	09:45:00 - 10:00:00	16	45	40	41	41	1.6	102	12.4	85	981.4
03/18/2022	10:00:00 - 10:15:00	15	43	38	38	40	1.7	96	12.4	86	981.3
03/18/2022	10:15:00 - 10:30:00	14	40	36	37	38	1.6	99	12.6	87	981.2
03/18/2022	10:30:00 - 10:45:00	13	37	33	32	37	1.0	112	12.7	86	981.1
03/18/2022	10:45:00 - 11:00:00	13	39	33	36	35	1.2	113	12.4	90	981.2
03/18/2022	11:00:00 - 11:15:00	12	34	31	34	31	1.1	135	12.0	95	981.0
03/18/2022	11:15:00 - 11:30:00	12	33	30	32	29	0.8	144	12.1	97	980.8
03/18/2022	11:30:00 - 11:45:00	12	33	29	32	29	0.9	153	12.2	97	980.9
03/18/2022	11:45:00 - 12:00:00	13	35	31	35	31	0.7	152	12.2	97	980.8
03/18/2022	12:00:00 - 12:15:00	13	36	32	37	33	0.8	166	12.3	97	980.5
03/18/2022	12:15:00 - 12:30:00	13	37	33	36	32	0.5	186	12.2	97	980.5
03/18/2022	12:30:00 - 12:45:00	13	36	31	35	30	0.9	200	12.2	98	980.2
03/18/2022	12:45:00 - 13:00:00	13	36	31	34	31	0.6	185	12.3	98	980.0
03/18/2022	13:00:00 - 13:15:00	12	37	29	52	30	0.6	217	12.5	99	979.6
03/18/2022	13:15:00 - 13:30:00	11	30	27	30	24	0.7	217	12.7	99	979.2
03/18/2022	13:30:00 - 13:45:00	9	26	24	26	21	0.4	205	12.8	99	978.9
03/18/2022	13:45:00 - 14:00:00	10	29	26	28	28	0.6	76	12.7	99	978.3

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Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
03/18/2022	14:00:00 - 14:15:00	10	30	26	29	28	0.9	74	12.7	99	977.8
03/18/2022	14:15:00 - 14:30:00	11	31	27	29	28	1.0	98	12.6	99	977.6
03/18/2022	14:30:00 - 14:45:00	11	30	27	29	27	1.2	95	12.5	99	977.3
03/18/2022	14:45:00 - 15:00:00	9	25	23	24	20	0.8	117	12.5	99	977.2
03/18/2022	15:00:00 - 15:15:00	7	20	19	21	15	1.1	140	12.4	99	976.9
03/18/2022	15:15:00 - 15:30:00	7	19	19	20	14	1.3	122	12.4	99	976.5
03/18/2022	15:30:00 - 15:45:00	7	20	19	21	15	1.7	107	12.6	99	976.2
03/18/2022	15:45:00 - 16:00:00	8	21	21	22	17	1.7	110	12.7	99	976.1
03/18/2022	16:00:00 - 16:15:00	8	21	21	23	17	1.4	109	13.2	99	976.1
03/18/2022	16:15:00 - 16:30:00	7	22	20	22	17	1.4	127	13.2	97	976.3
03/18/2022	16:30:00 - 16:45:00	9	24	23	25	20	1.7	131	13.1	97	976.3
03/18/2022	16:45:00 - 17:00:00	10	27	24	26	22	1.3	136	13.1	96	976.2
03/18/2022	17:00:00 - 17:15:00	10	28	25	27	23	1.1	144	13.1	96	976.1
03/18/2022	17:15:00 - 17:30:00	10	29	26	28	24	0.9	146	13.3	96	976.1
03/18/2022	17:30:00 - 17:45:00	10	28	25	27	24	0.9	151	13.5	94	976.1
03/18/2022	17:45:00 - 18:00:00	10	27	25	26	22	1.0	143	13.6	94	976.0
03/18/2022	18:00:00 - 18:15:00	10	27	25	26	23	1.0	125	13.5	94	975.8
03/18/2022	18:15:00 - 18:30:00	10	28	24	27	22	0.8	100	13.4	95	975.5
03/18/2022	18:30:00 - 18:45:00	10	27	26	27	23	1.1	140	13.4	95	975.7
03/18/2022	18:45:00 - 19:00:00	10	28	26	28	24	1.4	137	13.3	95	975.9
03/18/2022	19:00:00 - 19:15:00	10	27	26	28	23	1.4	139	13.1	96	975.9
03/18/2022	19:15:00 - 19:30:00	11	29	27	29	24	1.5	128	13.0	96	975.8
03/18/2022	19:30:00 - 19:45:00	11	31	27	29	25	1.0	133	12.8	96	975.8
03/18/2022	19:45:00 - 20:00:00	11	31	28	31	26	0.9	137	12.6	97	975.7
03/18/2022	20:00:00 - 20:15:00	11	31	29	31	27	1.0	130	12.5	97	975.6
03/18/2022	20:15:00 - 20:30:00	12	31	30	32	28	1.3	139	12.5	97	975.6
03/18/2022	20:30:00 - 20:45:00	12	34	32	34	30	1.1	144	12.3	97	975.5
03/18/2022	20:45:00 - 21:00:00	13	34	31	34	29	0.7	142	12.2	98	975.6
03/18/2022	21:00:00 - 21:15:00	12	33	31	33	29	0.6	130	12.2	98	975.6
03/18/2022	21:15:00 - 21:30:00	11	31	29	31	28	0.6	151	12.1	98	975.6
03/18/2022	21:30:00 - 21:45:00	10	27	26	27	23	0.6	150	12.0	98	975.5
03/18/2022	21:45:00 - 22:00:00	9	25	24	26	22	0.4	161	12.0	98	975.5
03/18/2022	22:00:00 - 22:15:00	9	25	24	26	21	0.5	168	12.0	98	975.5
03/18/2022	22:15:00 - 22:30:00	10	25	24	27	21	0.6	192	11.8	98	975.4
03/18/2022	22:30:00 - 22:45:00	10	25	24	27	22	0.8	192	11.8	99	975.3
03/18/2022	22:45:00 - 23:00:00	9	25	24	27	21	0.7	202	11.7	99	975.3
03/18/2022	23:00:00 - 23:15:00	9	23	23	25	19	0.9	199	11.7	100	975.3
03/18/2022	23:15:00 - 23:30:00	8	20	22	25	17	1.3	207	11.9	100	975.3
03/18/2022	23:30:00 - 23:45:00	9	22	23	26	18	1.4	212	11.9	100	975.3
03/18/2022	23:45:00 - 00:00:00	9	24	24	27	20	1.5	217	11.8	100	975.3
03/19/2022	00:00:00 - 00:15:00	9	21	22	25	17	1.8	212	11.8	100	975.3
03/19/2022	00:15:00 - 00:30:00	6	14	17	18	11	1.7	215	11.2	99	975.3
03/19/2022	00:30:00 - 00:45:00	5	11	14	15	8	1.5	268	10.5	100	975.5
03/19/2022	00:45:00 - 01:00:00	7	17	18	19	12	1.1	230	10.0	99	975.6
03/19/2022	01:00:00 - 01:15:00	10	25	26	27	20	1.1	245	9.2	99	975.7
03/19/2022	01:15:00 - 01:30:00	11	29	29	30	24	0.8	210	8.7	98	975.9
03/19/2022	01:30:00 - 01:45:00	12	29	29	31	24	1.1	221	8.3	99	975.9
03/19/2022	01:45:00 - 02:00:00	10	25	27	28	21	1.0	214	8.2	99	976.0
03/19/2022	02:00:00 - 02:15:00	10	25	26	27	21	1.4	218	8.0	99	976.1
03/19/2022	02:15:00 - 02:30:00	11	26	27	29	22	1.3	215	7.9	99	976.2
03/19/2022	02:30:00 - 02:45:00	11	27	28	31	24	1.3	216	7.8	99	976.1
03/19/2022	02:45:00 - 03:00:00	8	20	22	24	17	1.7	205	7.6	99	976.2
03/19/2022	03:00:00 - 03:15:00	8	19	21	23	17	2.4	206	7.5	99	976.1
03/19/2022	03:15:00 - 03:30:00	6	13	17	18	12	2.0	204	7.3	100	976.1
03/19/2022	03:30:00 - 03:45:00	5	11	16	17	10	1.3	210	7.3	100	976.0
03/19/2022	03:45:00 - 04:00:00	7	15	19	21	14	1.4	205	7.5	100	976.0
03/19/2022	04:00:00 - 04:15:00	11	25	27	31	24	1.0	206	7.7	100	976.1
03/19/2022	04:15:00 - 04:30:00	8	21	23	24	18	2.6	286	7.0	100	976.3
03/19/2022	04:30:00 - 04:45:00	4	8	13	13	6	2.3	292	6.3	99	976.6
03/19/2022	04:45:00 - 05:00:00	3	5	10	9	3	2.2	292	6.0	99	976.9
03/19/2022	05:00:00 - 05:15:00	1	2	7	6	0	2.3	292	5.7	99	977.2
03/19/2022	05:15:00 - 05:30:00	1	0	7	5	0	1.7	294	5.4	99	977.5

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
03/19/2022	05:30:00 - 05:45:00	2	2	8	7	1	1.7	299	5.2	99	977.7
03/19/2022	05:45:00 - 06:00:00	2	3	9	8	3	1.7	298	5.0	99	977.9
03/19/2022	06:00:00 - 06:15:00	2	2	8	7	1	1.9	301	4.8	99	978.1
03/19/2022	06:15:00 - 06:30:00	1	0	7	5	0	1.3	299	4.6	99	978.4
03/19/2022	06:30:00 - 06:45:00	1	1	7	5	0	2.4	297	4.4	99	978.6
03/19/2022	06:45:00 - 07:00:00	1	1	7	5	1	2.1	297	4.3	99	979.0
03/19/2022	07:00:00 - 07:15:00	1	0	7	4	0	1.9	307	4.1	99	979.3
03/19/2022	07:15:00 - 07:30:00	1	0	7	5	0	1.9	296	4.0	99	979.7
03/19/2022	07:30:00 - 07:45:00	1	0	7	4	0	0.9	287	4.0	99	980.1
03/19/2022	07:45:00 - 08:00:00	1	0	6	4	0	1.3	278	3.9	99	980.5
03/19/2022	08:00:00 - 08:15:00	0	0	5	3	0	1.4	304	3.8	99	980.8
03/19/2022	08:15:00 - 08:30:00	0	0	5	3	0	1.9	299	3.7	99	981.1
03/19/2022	08:30:00 - 08:45:00	0	0	5	3	0	2.0	309	3.6	99	981.4
03/19/2022	08:45:00 - 09:00:00	0	0	5	3	0	1.7	313	3.6	99	981.6
03/19/2022	09:00:00 - 09:15:00	0	0	6	3	0	1.8	298	3.6	99	981.8
03/19/2022	09:15:00 - 09:30:00	0	0	6	3	0	1.7	307	3.6	98	982.1
03/19/2022	09:30:00 - 09:45:00	0	0	6	3	0	1.6	314	3.6	98	982.4
03/19/2022	09:45:00 - 10:00:00	0	0	5	3	0	2.0	303	3.6	97	982.7
03/19/2022	10:00:00 - 10:15:00	0	0	6	3	0	1.2	293	3.7	97	982.9
03/19/2022	10:15:00 - 10:30:00	1	0	6	3	0	1.4	309	3.7	97	983.1
03/19/2022	10:30:00 - 10:45:00	0	0	6	3	0	1.5	309	3.7	97	983.4
03/19/2022	10:45:00 - 11:00:00	0	0	6	3	0	1.7	303	3.8	96	983.7
03/19/2022	11:00:00 - 11:15:00	0	0	6	3	0	2.1	297	3.9	95	984.0
03/19/2022	11:15:00 - 11:30:00	0	0	6	3	0	1.9	294	3.9	95	984.2
03/19/2022	11:30:00 - 11:45:00	0	0	5	3	0	2.3	290	4.0	94	984.5
03/19/2022	11:45:00 - 12:00:00	0	0	5	3	0	2.2	302	4.0	95	984.7
03/19/2022	12:00:00 - 12:15:00	0	0	6	3	0	2.3	292	4.0	94	984.9
03/19/2022	12:15:00 - 12:30:00	1	0	7	4	0	2.4	296	4.0	93	985.1
03/19/2022	12:30:00 - 12:45:00	2	2	9	6	2	2.5	297	3.9	94	985.2
03/19/2022	12:45:00 - 13:00:00	2	3	9	7	3	3.0	304	3.9	94	985.4
03/19/2022	13:00:00 - 13:15:00	2	2	9	6	2	2.3	299	4.1	94	985.4
03/19/2022	13:15:00 - 13:30:00	2	2	9	6	2	2.7	298	4.2	94	985.6
03/19/2022	13:30:00 - 13:45:00	2	3	9	7	2	2.2	296	4.4	93	985.7
03/19/2022	13:45:00 - 14:00:00	2	3	9	7	3	2.0	297	4.7	92	985.8
03/19/2022	14:00:00 - 14:15:00	2	2	8	6	2	2.8	302	4.8	91	985.9
03/19/2022	14:15:00 - 14:30:00	1	1	8	5	0	2.2	304	5.0	90	986.0
03/19/2022	14:30:00 - 14:45:00	1	1	7	5	0	2.6	302	5.1	89	986.1
03/19/2022	14:45:00 - 15:00:00	2	3	9	7	2	2.2	296	5.1	91	986.4
03/19/2022	15:00:00 - 15:15:00	4	9	13	11	7	2.0	298	5.1	91	986.6
03/19/2022	15:15:00 - 15:30:00	5	14	17	16	12	2.0	289	5.1	92	986.8
03/19/2022	15:30:00 - 15:45:00	4	8	13	11	7	2.0	306	5.3	92	987.0
03/19/2022	15:45:00 - 16:00:00	3	5	10	8	4	2.2	307	5.4	90	987.2
03/19/2022	16:00:00 - 16:15:00	3	6	12	10	5	1.6	300	5.7	91	987.4
03/19/2022	16:15:00 - 16:30:00	3	7	11	10	5	1.7	301	5.9	92	987.6
03/19/2022	16:30:00 - 16:45:00	4	10	14	13	8	2.2	297	6.0	94	987.7
03/19/2022	16:45:00 - 17:00:00	4	10	14	13	8	1.8	290	6.2	94	987.8
03/19/2022	17:00:00 - 17:15:00	5	12	16	15	10	2.2	291	6.4	94	987.8
03/19/2022	17:15:00 - 17:30:00	4	10	13	12	7	2.9	294	6.8	93	987.9
03/19/2022	17:30:00 - 17:45:00	4	11	14	12	7	2.1	297	6.8	92	988.1
03/19/2022	17:45:00 - 18:00:00	4	9	13	11	7	2.3	301	6.9	91	988.3
03/19/2022	18:00:00 - 18:15:00	3	7	11	9	4	1.9	304	7.1	89	988.5
03/19/2022	18:15:00 - 18:30:00	3	6	11	9	4	1.6	295	7.2	88	988.7
03/19/2022	18:30:00 - 18:45:00	3	7	11	9	4	1.5	293	7.4	87	988.9
03/19/2022	18:45:00 - 19:00:00	3	7	11	10	4	1.2	288	7.4	87	989.1
03/19/2022	19:00:00 - 19:15:00	4	11	13	12	6	0.8	290	7.4	88	989.3
03/19/2022	19:15:00 - 19:30:00	5	14	16	14	10	0.9	285	7.4	88	989.5
03/19/2022	19:30:00 - 19:45:00	5	14	17	15	11	0.6	278	7.1	89	989.5
03/19/2022	19:45:00 - 20:00:00	7	15	20	16	16	0.2	201	6.5	90	989.6
03/19/2022	20:00:00 - 20:15:00	7	20	22	21	18	0.1	246	6.1	91	989.7
03/19/2022	20:15:00 - 20:30:00	7	20	22	22	19	0.5	180	5.7	92	989.8
03/19/2022	20:30:00 - 20:45:00	8	21	22	23	20	0.3	146	5.2	93	989.9
03/19/2022	20:45:00 - 21:00:00	8	24	25	25	23	0.5	128	5.1	94	990.0

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Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
03/19/2022	21:00:00 - 21:15:00	8	24	24	27	23	0.5	125	4.7	94	990.1
03/19/2022	21:15:00 - 21:30:00	8	21	24	24	21	0.7	158	4.5	94	990.2
03/19/2022	21:30:00 - 21:45:00	9	23	24	26	23	0.5	129	4.0	95	990.3
03/19/2022	21:45:00 - 22:00:00	8	19	23	23	21	0.5	109	4.0	95	990.3
03/19/2022	22:00:00 - 22:15:00	7	15	21	19	18	0.6	89	3.8	96	990.4
03/19/2022	22:15:00 - 22:30:00	5	12	17	16	14	0.6	118	3.9	96	990.5
03/19/2022	22:30:00 - 22:45:00	4	10	16	14	12	0.7	104	3.7	95	990.7
03/19/2022	22:45:00 - 23:00:00	4	9	16	14	11	0.7	108	3.5	95	990.7
03/19/2022	23:00:00 - 23:15:00	4	9	15	13	11	0.6	146	3.4	95	990.8
03/19/2022	23:15:00 - 23:30:00	4	8	14	12	11	0.7	146	3.4	94	990.9
03/19/2022	23:30:00 - 23:45:00	3	8	14	13	10	0.7	151	3.3	94	991.0
03/19/2022	23:45:00 - 00:00:00	3	7	13	11	9	0.5	145	3.3	94	991.0
03/20/2022	00:00:00 - 00:15:00	3	6	13	10	9	0.3	139	3.6	93	991.0
03/20/2022	00:15:00 - 00:30:00	2	7	12	9	7	0.2	111	4.0	90	991.1
03/20/2022	00:30:00 - 00:45:00	2	5	12	10	8	0.6	116	3.9	89	991.2
03/20/2022	00:45:00 - 01:00:00	3	6	13	11	9	0.7	128	3.5	90	991.4
03/20/2022	01:00:00 - 01:15:00	3	7	13	11	9	0.7	152	2.9	92	991.4
03/20/2022	01:15:00 - 01:30:00	3	6	13	11	9	0.7	143	2.6	93	991.4
03/20/2022	01:30:00 - 01:45:00	2	6	12	11	8	0.6	166	2.7	93	991.6
03/20/2022	01:45:00 - 02:00:00	3	6	12	11	9	0.7	173	3.0	92	991.8
03/20/2022	02:00:00 - 02:15:00	2	6	13	11	9	1	171	3	91	992
03/20/2022	02:15:00 - 02:30:00	2	6	13	11	9	0	162	3	91	992
03/20/2022	02:30:00 - 02:45:00	2	6	12	11	9	0	153	3	91	992
03/20/2022	02:45:00 - 03:00:00	2	5	12	10	8	0	170	3	88	992
03/20/2022	03:00:00 - 03:15:00	2	5	12	10	9	0.4	141	3.2	87	992.2
03/20/2022	03:15:00 - 03:30:00	2	6	12	10	9	0.5	126	3.1	87	992.2
03/20/2022	03:30:00 - 03:45:00	2	5	12	11	9	0.5	139	3.1	87	992.2
03/20/2022	03:45:00 - 04:00:00	2	5	13	11	9	0.7	119	2.9	88	992.3
03/20/2022	04:00:00 - 04:15:00	3	7	13	11	10	0.6	131	2.8	88	992.4
03/20/2022	04:15:00 - 04:30:00	3	8	13	12	10	0.6	127	3.0	87	992.5
03/20/2022	04:30:00 - 04:45:00	3	8	13	12	10	0.8	120	2.9	87	992.6
03/20/2022	04:45:00 - 05:00:00	3	8	14	12	11	0.8	124	2.7	88	992.7
03/20/2022	05:00:00 - 05:15:00	3	8	14	13	12	0.9	119	2.6	88	992.8
03/20/2022	05:15:00 - 05:30:00	3	8	14	13	12	0.9	135	2.7	88	993.0
03/20/2022	05:30:00 - 05:45:00	3	8	14	13	12	0.8	131	2.6	88	993.2
03/20/2022	05:45:00 - 06:00:00	3	8	14	13	12	0.9	137	2.5	89	993.3
03/20/2022	06:00:00 - 06:15:00	3	9	14	13	12	0.6	146	2.4	89	993.4
03/20/2022	06:15:00 - 06:30:00	3	8	14	13	11	0.6	145	2.2	90	993.6
03/20/2022	06:30:00 - 06:45:00	3	8	14	13	12	0.7	166	2.1	90	993.8
03/20/2022	06:45:00 - 07:00:00	3	9	14	13	13	0.7	178	1.9	90	993.9
03/20/2022	07:00:00 - 07:15:00	3	10	15	14	13	0.7	154	1.9	91	993.8
03/20/2022	07:15:00 - 07:30:00	4	10	15	14	14	0.5	163	2.4	90	994.0
03/20/2022	07:30:00 - 07:45:00	3	10	15	15	13	0.6	152	3.6	88	994.2
03/20/2022	07:45:00 - 08:00:00	3	9	14	14	11	0.7	178	4.6	84	994.4
03/20/2022	08:00:00 - 08:15:00	2	8	13	14	8	0.5	184	5.8	79	994.6
03/20/2022	08:15:00 - 08:30:00	2	7	12	13	6	0.5	198	7.0	74	994.8
03/20/2022	08:30:00 - 08:45:00	2	7	11	11	5	0.1	230	8.4	70	994.9
03/20/2022	08:45:00 - 09:00:00	2	6	10	9	3	0.1	266	9.7	65	995.1
03/20/2022	09:00:00 - 09:15:00	4	5	12	8	3	0.6	219	9.6	62	995.2
03/20/2022	09:15:00 - 09:30:00	3	7	9	8	3	0.5	230	10.2	61	995.3
03/20/2022	09:30:00 - 09:45:00	2	7	9	8	2	0.4	216	11.0	59	995.3
03/20/2022	09:45:00 - 10:00:00	2	6	8	8	1	0.7	206	11.2	55	995.4
03/20/2022	10:00:00 - 10:15:00	2	6	7	7	1	0.8	283	12.1	50	995.4
03/20/2022	10:15:00 - 10:30:00	2	4	7	7	1	0.5	248	12.7	49	995.7
03/20/2022	10:30:00 - 10:45:00	3	6	9	9	4	0.9	202	13.2	46	995.8
03/20/2022	10:45:00 - 11:00:00	3	5	9	9	4	1.0	201	13.6	44	995.8
03/20/2022	11:00:00 - 11:15:00	3	2	7	7	2	1.4	209	13.6	42	995.8
03/20/2022	11:15:00 - 11:30:00	3	3	7	8	3	1.2	208	13.7	44	995.8
03/20/2022	11:30:00 - 11:45:00	3	2	6	8	2	1.0	203	14.4	45	995.8
03/20/2022	11:45:00 - 12:00:00	3	1	5	6	1	1.4	212	14.6	44	995.7
03/20/2022	12:00:00 - 12:15:00	2	0	4	6	0	1.7	211	14.7	46	995.6
03/20/2022	12:15:00 - 12:30:00	2	0	4	6	0	1.3	214	15.6	45	995.6

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
03/20/2022	12:30:00 - 12:45:00	3	2	5	8	2	1.1	219	16.0	46	995.5
03/20/2022	12:45:00 - 13:00:00	3	1	5	7	1	1.7	210	16.1	44	995.4
03/20/2022	13:00:00 - 13:15:00	3	0	5	7	1	1.3	234	16.2	44	995.3
03/20/2022	13:15:00 - 13:30:00	3	1	5	7	1	1.4	227	16.5	44	995.1
03/20/2022	13:30:00 - 13:45:00	3	1	5	7	1	1.7	219	16.8	45	995.0
03/20/2022	13:45:00 - 14:00:00	3	1	5	7	2	1.4	247	17.2	45	994.9
03/20/2022	14:00:00 - 14:15:00	3	1	6	8	2	1.6	227	17.3	45	994.8
03/20/2022	14:15:00 - 14:30:00	3	1	6	7	2	2.0	217	17.5	45	994.7
03/20/2022	14:30:00 - 14:45:00	3	1	6	8	3	1.4	235	17.8	44	994.6
03/20/2022	14:45:00 - 15:00:00	3	1	6	8	3	2.0	220	18.0	43	994.6
03/20/2022	15:00:00 - 15:15:00	3	2	6	7	3	1.1	260	18.6	42	994.5
03/20/2022	15:15:00 - 15:30:00	4	3	6	8	3	1.6	230	18.7	41	994.5
03/20/2022	15:30:00 - 15:45:00	4	3	7	8	4	1.7	251	18.6	42	994.4
03/20/2022	15:45:00 - 16:00:00	4	3	7	8	3	1.4	268	18.8	42	994.3
03/20/2022	16:00:00 - 16:15:00	4	1	6	8	3	1.4	231	19.1	40	994.2
03/20/2022	16:15:00 - 16:30:00	3	1	5	7	2	1.2	276	19.2	40	994.1
03/20/2022	16:30:00 - 16:45:00	3	0	5	7	1	1.7	280	18.9	39	994.0
03/20/2022	16:45:00 - 17:00:00	3	1	5	6	1	1.3	254	18.9	39	993.9
03/20/2022	17:00:00 - 17:15:00	3	1	5	7	1	1.4	270	18.8	39	993.8
03/20/2022	17:15:00 - 17:30:00	3	1	5	7	1	0.8	259	18.9	40	993.8
03/20/2022	17:30:00 - 17:45:00	3	2	5	7	1	0.8	246	18.9	38	993.9
03/20/2022	17:45:00 - 18:00:00	3	4	5	7	1	0.9	276	18.6	39	993.9
03/20/2022	18:00:00 - 18:15:00	4	2	6	7	1	0.8	262	18.3	39	993.9
03/20/2022	18:15:00 - 18:30:00	4	3	6	7	1	0.6	253	17.6	41	993.9
03/20/2022	18:30:00 - 18:45:00	4	4	8	8	3	0.9	227	17.4	41	993.9
03/20/2022	18:45:00 - 19:00:00	3	4	7	8	2	1.2	219	16.9	44	993.9
03/20/2022	19:00:00 - 19:15:00	4	5	8	9	3	1.0	223	16.2	48	993.9
03/20/2022	19:15:00 - 19:30:00	4	5	8	9	3	0.9	224	15.7	50	993.9
03/20/2022	19:30:00 - 19:45:00	4	5	8	9	3	0.9	227	15.2	51	993.9
03/20/2022	19:45:00 - 20:00:00	4	5	9	9	3	0.9	208	14.9	52	994.0
03/20/2022	20:00:00 - 20:15:00	4	5	8	10	4	1.1	213	14.9	52	994.0
03/20/2022	20:15:00 - 20:30:00	4	5	9	9	3	1.0	211	14.7	52	994.1
03/20/2022	20:30:00 - 20:45:00	4	7	9	9	4	1.4	212	14.7	52	994.2
03/20/2022	20:45:00 - 21:00:00	4	7	9	9	5	0.9	222	14.4	52	994.2
03/20/2022	21:00:00 - 21:15:00	4	7	10	10	4	1.0	203	14.1	52	994.3
03/20/2022	21:15:00 - 21:30:00	4	6	9	9	4	1.2	209	14.1	51	994.3
03/20/2022	21:30:00 - 21:45:00	3	5	8	9	3	1.0	217	13.8	52	994.3
03/20/2022	21:45:00 - 22:00:00	3	4	8	8	2	1.2	204	13.8	51	994.4
03/20/2022	22:00:00 - 22:15:00	3	4	7	8	2	1.4	216	13.9	50	994.3
03/20/2022	22:15:00 - 22:30:00	3	5	8	8	2	1.3	221	13.7	49	994.3
03/20/2022	22:30:00 - 22:45:00	3	4	8	8	2	1.1	223	13.2	51	994.3
03/20/2022	22:45:00 - 23:00:00	3	4	8	8	3	1.0	232	13.0	51	994.3
03/20/2022	23:00:00 - 23:15:00	3	4	8	8	3	1.0	226	13.0	51	994.4
03/20/2022	23:15:00 - 23:30:00	4	6	9	9	4	1.0	229	12.5	53	994.4
03/20/2022	23:30:00 - 23:45:00	3	4	8	8	3	1.5	218	12.9	49	994.4
03/20/2022	23:45:00 - 00:00:00	3	4	8	8	3	1.3	231	12.7	50	994.5
03/21/2022	00:00:00 - 00:15:00	4	6	9	9	4	1.3	230	12.1	53	994.5
03/21/2022	00:15:00 - 00:30:00	4	8	11	10	6	1.1	235	11.9	54	994.5
03/21/2022	00:30:00 - 00:45:00	5	10	12	12	9	1.5	216	11.8	54	994.5
03/21/2022	00:45:00 - 01:00:00	5	10	13	13	9	1.6	213	11.8	51	994.4
03/21/2022	01:00:00 - 01:15:00	5	10	12	12	8	1.6	216	11.7	51	994.6
03/21/2022	01:15:00 - 01:30:00	5	9	12	11	7	1.2	210	11.4	52	994.7
03/21/2022	01:30:00 - 01:45:00	5	9	12	11	7	1.1	216	11.3	52	994.6
03/21/2022	01:45:00 - 02:00:00	5	9	12	10	7	1.3	207	11.2	52	994.6
03/21/2022	02:00:00 - 02:15:00	4	9	11	11	7	1.3	205	11.2	51	994.7
03/21/2022	02:15:00 - 02:30:00	4	8	11	10	7	1.2	204	11.4	50	994.7
03/21/2022	02:30:00 - 02:45:00	4	8	11	10	6	2.0	206	11.7	49	994.7
03/21/2022	02:45:00 - 03:00:00	4	7	11	10	6	1.8	208	11.9	48	994.6
03/21/2022	03:00:00 - 03:15:00	4	7	11	10	5	1.6	209	11.8	49	994.7
03/21/2022	03:15:00 - 03:30:00	4	7	11	10	5	1.9	208	11.7	48	994.7
03/21/2022	03:30:00 - 03:45:00	4	7	10	10	5	1.9	210	11.9	47	994.6
03/21/2022	03:45:00 - 04:00:00	4	7	10	9	4	1.8	197	12.3	46	994.5

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
03/21/2022	04:00:00 - 04:15:00	4	7	10	9	5	1.6	206	12.2	46	994.5
03/21/2022	04:15:00 - 04:30:00	4	7	10	9	5	2.0	201	12.1	46	994.5
03/21/2022	04:30:00 - 04:45:00	4	7	10	9	4	1.4	193	11.9	46	994.5
03/21/2022	04:45:00 - 05:00:00	4	8	10	9	4	0.9	172	11.6	48	994.6
03/21/2022	05:00:00 - 05:15:00	4	7	11	10	5	0.7	173	10.9	51	994.6
03/21/2022	05:15:00 - 05:30:00	4	8	11	10	5	0.7	172	10.0	54	994.6
03/21/2022	05:30:00 - 05:45:00	4	8	11	10	5	0.6	154	9.6	55	994.7
03/21/2022	05:45:00 - 06:00:00	4	7	11	10	6	0.8	154.9	9.4	56.4	994.7
03/21/2022	06:00:00 - 06:15:00	4	7	11	10	6	0.9	175.4	9.0	57.2	994.9
03/21/2022	06:15:00 - 06:30:00	4	7	11	11	7	0.7	161.4	8.8	58.7	994.9
03/21/2022	06:30:00 - 06:45:00	4	7	11	10	7	0.7	157.2	8.5	59.7	995.0
03/21/2022	06:45:00 - 07:00:00	4	7	11	10	5	1.0	154.7	8.2	60.8	995.1
03/21/2022	07:00:00 - 07:15:00	4	7	11	10	6	0.8	153.6	8.3	60.6	995.1
03/21/2022	07:15:00 - 07:30:00	4	7	11	10	5	1.2	177.5	8.7	58.8	995.2
03/21/2022	07:30:00 - 07:45:00	4	7	11	10	5	1.0	178.8	9.0	58.0	995.2
03/21/2022	07:45:00 - 08:00:00	3	7	11	10	5	0.9	154.5	9.1	57.8	995.3
03/21/2022	08:00:00 - 08:15:00	3	6	10	11	5	1.0	167.4	9.6	57.0	995.4
03/21/2022	08:15:00 - 08:30:00	4	6	10	14	7	0.9	166.2	10.3	56.3	995.4
03/21/2022	08:30:00 - 08:45:00	4	7	10	11	9	0.9	170.7	11.2	55.2	995.4
03/21/2022	08:45:00 - 09:00:00	3	7	9	29	48	1.0	183.2	12.2	53.1	995.5
03/21/2022	09:00:00 - 09:15:00	3	7	9	23	35	0.9	181.3	13.4	50.8	995.5
03/21/2022	09:15:00 - 09:30:00	3	6	8	8	2	1.3	196.1	14.6	45.3	995.6
03/21/2022	09:30:00 - 09:45:00	3	5	8	8	5	1.4	206.3	15.2	44.2	995.6
03/21/2022	09:45:00 - 10:00:00	3	6	9	11	7	1.0	192.9	16.1	44.0	995.6
03/21/2022	10:00:00 - 10:15:00	5	9	12	16	13	1.6	202.5	16.4	44.1	995.6
03/21/2022	10:15:00 - 10:30:00	5	9	12	13	10	1.7	202.9	16.9	44.9	995.6
03/21/2022	10:30:00 - 10:45:00	6	9	13	15	10	1.6	201.6	17.8	44.1	995.4
03/21/2022	10:45:00 - 11:00:00	6	8	13	12	9	1.4	199.5	18.1	43.3	995.3
03/21/2022	11:00:00 - 11:15:00	6	11	13	13	10	1.8	209.4	18.6	42.6	995.1
03/21/2022	11:15:00 - 11:30:00	6	8	12	13	11	2.1	207.7	18.8	42.4	995.0
03/21/2022	11:30:00 - 11:45:00	6	9	12	12	9	2.0	203	19.2	42	994.9
03/21/2022	11:45:00 - 12:00:00	7	7	12	11	8	2.5	208	19.5	41	994.7
03/21/2022	12:00:00 - 12:15:00	10	13	18	13	15	2.5	205	19.9	40	994.5
03/21/2022	12:15:00 - 12:30:00	7	11	14	14	13	2.5	205	20.5	39	994.2
03/21/2022	12:30:00 - 12:45:00	7	8	13	16	16	2.7	201	20.9	38	994.0
03/21/2022	12:45:00 - 13:00:00	7	13	13	13	11	2.2	207	21.5	38	993.7
03/21/2022	13:00:00 - 13:15:00	8	8	15	16	12	2.2	201	21.7	37	993.4
03/21/2022	13:15:00 - 13:30:00	6	5	11	12	9	2.3	208	22.0	37	993.1
03/21/2022	13:30:00 - 13:45:00	5	3	10	11	7	2.5	208	21.9	36	992.9
03/21/2022	13:45:00 - 14:00:00	5	3	11	11	8	1.8	193	22.3	35	992.7
03/21/2022	14:00:00 - 14:15:00	8	5	13	13	8	1.9	197	22.6	33	992.4
03/21/2022	14:15:00 - 14:30:00	7	6	12	12	9	1.8	196	22.6	33	992.0
03/21/2022	14:30:00 - 14:45:00	6	4	11	12	8	1.6	184	22.6	32	991.7
03/21/2022	14:45:00 - 15:00:00	7	4	12	19	14	1.8	184	22.5	30	991.5
03/21/2022	15:00:00 - 15:15:00	7	4	12	12	11	1.6	184	22.8	29	991.2
03/21/2022	15:15:00 - 15:30:00	7	8	14	15	11	1.5	180	22.8	31	990.9
03/21/2022	15:30:00 - 15:45:00	8	5	14	13	9	1.3	194	23.0	32	990.7
03/21/2022	15:45:00 - 16:00:00	6	4	11	14	11	1.6	176	22.5	31	990.5
03/21/2022	16:00:00 - 16:15:00	6	3	11	11	9	1.6	170	22.3	31	990.2
03/21/2022	16:15:00 - 16:30:00	5	3	10	11	7	1.3	171	22.1	31	990.2
03/21/2022	16:30:00 - 16:45:00	6	4	10	12	10	1.5	196	21.9	32	990.1
03/21/2022	16:45:00 - 17:00:00	6	4	10	11	7	1.2	196	21.5	32	990.2
03/21/2022	17:00:00 - 17:15:00	6	4	9	11	7	1.3	188	21.3	34	990.1
03/21/2022	17:15:00 - 17:30:00	6	5	10	10	7	1.1	167	21.0	34	990.1
03/21/2022	17:30:00 - 17:45:00	6	5	10	11	7	0.8	182	20.7	36	990.0
03/21/2022	17:45:00 - 18:00:00	6	6	11	11	7	0.8	181	20.1	39	990.0
03/21/2022	18:00:00 - 18:15:00	6	7	10	10	9	0.6	160	19.6	40	989.8
03/21/2022	18:15:00 - 18:30:00	6	9	11	11	9	0.9	129	19.3	40	989.6
03/21/2022	18:30:00 - 18:45:00	7	10	13	12	10	1.1	135	19.0	40	989.5
03/21/2022	18:45:00 - 19:00:00	6	10	11	12	9	1.1	144	18.7	39	989.6
03/21/2022	19:00:00 - 19:15:00	6	10	11	12	9	0.7	141	18.2	39	989.6
03/21/2022	19:15:00 - 19:30:00	6	10	12	12	10	0.9	136	18.0	39	989.5

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
03/21/2022	19:30:00 - 19:45:00	6	10	11	11	9	1.0	137	17.8	40	989.3
03/21/2022	19:45:00 - 20:00:00	7	11	13	12	10	1.2	138	17.7	41	989.3
03/21/2022	20:00:00 - 20:15:00	7	13	14	13	11	0.9	141	17.1	44	989.4
03/21/2022	20:15:00 - 20:30:00	7	13	14	13	11	0.7	143	16.9	45	989.6
03/21/2022	20:30:00 - 20:45:00	8	15	15	15	14	0.9	153	16.9	45	989.7
03/21/2022	20:45:00 - 21:00:00	7	15	15	15	13	0.9	136	16.8	45	989.7
03/21/2022	21:00:00 - 21:15:00	7	13	14	14	12	0.8	139	16.8	45	989.7
03/21/2022	21:15:00 - 21:30:00	6	10	12	12	10	0.9	132	16.7	44	989.6
03/21/2022	21:30:00 - 21:45:00	6	10	12	12	9	0.7	136	16.6	44	989.6
03/21/2022	21:45:00 - 22:00:00	5	10	12	12	9	1.0	120	16.3	46	989.6
03/21/2022	22:00:00 - 22:15:00	5	10	11	11	8	0.8	119	15.7	48	989.8
03/21/2022	22:15:00 - 22:30:00	6	11	12	12	9	0.7	132	15.7	47	990.0
03/21/2022	22:30:00 - 22:45:00	6	12	13	12	9	0.6	130	15.6	48	990.1
03/21/2022	22:45:00 - 23:00:00	6	11	12	12	10	0.6	144	15.6	48	990.0
03/21/2022	23:00:00 - 23:15:00	6	11	13	12	10	0.5	150	15.4	48	990.0
03/21/2022	23:15:00 - 23:30:00	6	11	12	12	9	0.5	160	15.4	47	989.9
03/21/2022	23:30:00 - 23:45:00	6	12	13	12	10	0.5	153	15.4	47	989.9
03/21/2022	23:45:00 - 00:00:00	6	12	13	13	10	0.7	145	15.4	47	989.8
03/22/2022	00:00:00 - 00:15:00	6	12	13	13	10	0.9	121	15.4	47	989.6
03/22/2022	00:15:00 - 00:30:00	6	12	13	13	11	0.9	119	14.8	50	989.4
03/22/2022	00:30:00 - 00:45:00	6	11	13	13	10	1.0	127	14.4	51	989.3
03/22/2022	00:45:00 - 01:00:00	6	12	12	13	9	1.4	130	14.5	51	989.2
03/22/2022	01:00:00 - 01:15:00	5	12	12	12	9	0.7	115	14.2	52	989.0
03/22/2022	01:15:00 - 01:30:00	5	10	12	12	8	0.9	135	14.2	52	988.8
03/22/2022	01:30:00 - 01:45:00	5	11	12	12	9	1.3	196	14.1	54	989.3
03/22/2022	01:45:00 - 02:00:00	5	13	13	13	9	1.8	211	12.4	69	989.9
03/22/2022	02:00:00 - 02:15:00	7	17	16	16	14	2.0	203	11.0	81	989.8
03/22/2022	02:15:00 - 02:30:00	7	15	16	16	13	0.8	207	10.7	86	989.5
03/22/2022	02:30:00 - 02:45:00	7	15	16	16	13	1.1	192	10.6	89	989.7
03/22/2022	02:45:00 - 03:00:00	7	14	15	16	12	0.7	179	10.2	91	989.4
03/22/2022	03:00:00 - 03:15:00	7	14	15	16	12	0.7	173	10.1	93	989.3
03/22/2022	03:15:00 - 03:30:00	6	14	15	16	11	0.7	169	10.0	94	989.1
03/22/2022	03:30:00 - 03:45:00	6	12	14	15	10	0.8	143	10.0	94	988.8
03/22/2022	03:45:00 - 04:00:00	6	12	14	14	10	0.9	203	10.2	94	989.6
03/22/2022	04:00:00 - 04:15:00	6	12	14	14	10	1.1	194	10.1	94	990.2
03/22/2022	04:15:00 - 04:30:00	6	12	14	14	9	1.1	175	9.9	95	990.1
03/22/2022	04:30:00 - 04:45:00	6	12	14	14	9	0.8	170	9.7	96	989.8
03/22/2022	04:45:00 - 05:00:00	6	10	14	14	9	1.2	142	9.5	97	989.8
03/22/2022	05:00:00 - 05:15:00	6	12	14	14	8	1.7	129	9.3	98	989.3
03/22/2022	05:15:00 - 05:30:00	6	11	14	15	9	3.1	100	9.2	98	987.2
03/22/2022	05:30:00 - 05:45:00	5	11	13	14	8	2.1	120	9.1	99	987.3
03/22/2022	05:45:00 - 06:00:00	5	9	13	13	7	2.3	112	9.2	99	987.2
03/22/2022	06:00:00 - 06:15:00	5	9	12	12	6	2.9	109	9.3	99	986.6
03/22/2022	06:15:00 - 06:30:00	4	8	12	11	5	5.3	99	9.3	98	983.6
03/22/2022	06:30:00 - 06:45:00	4	9	12	11	6	4.9	106	9.5	98	982.0
03/22/2022	06:45:00 - 07:00:00	5	10	12	12	7	3.7	122	9.6	96	983.5
03/22/2022	07:00:00 - 07:15:00	6	13	15	15	10	2.8	113	9.8	96	984.7
03/22/2022	07:15:00 - 07:30:00	8	17	18	18	14	2.8	113	10.0	94	984.7
03/22/2022	07:30:00 - 07:45:00	7	16	17	68	13	3.0	121	10.1	93	985.8
03/22/2022	07:45:00 - 08:00:00	7	16	17	43	13	2.9	127	10.2	93	986.0
03/22/2022	08:00:00 - 08:15:00	8	19	19	26	15	2.8	129	10.5	91	986.3
03/22/2022	08:15:00 - 08:30:00	8	19	19	19	15	2.7	136	10.6	90	986.4
03/22/2022	08:30:00 - 08:45:00	8	19	19	19	16	2.3	126	10.7	90	986.2
03/22/2022	08:45:00 - 09:00:00	8	21	20	19	17	2.3	139	11.0	89	985.8
03/22/2022	09:00:00 - 09:15:00	9	22	20	21	17	2.3	133	11.1	88	985.4
03/22/2022	09:15:00 - 09:30:00	8	22	20	23	17	2.3	125	11.1	88	985.1
03/22/2022	09:30:00 - 09:45:00	8	22	20	46	18	2.3	122	11.3	88	985.0
03/22/2022	09:45:00 - 10:00:00	8	22	20	79	19	2.3	114	11.4	87	984.8
03/22/2022	10:00:00 - 10:15:00	8	22	20	23	20	2.4	130	11.4	86	984.6
03/22/2022	10:15:00 - 10:30:00	8	22	20	24	19	2.3	121	11.6	86	984.4
03/22/2022	10:30:00 - 10:45:00	8	22	20	23	19	1.8	127	11.9	85	984.4
03/22/2022	10:45:00 - 11:00:00	8	22	20	22	19	2.1	134	12.2	83	984.4

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Average Conc. [$\mu\text{g}/\text{m}^3$]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [$^{\circ}\text{Celsius}$]	Relative Humidity [%]	Barometric Pressure [mb]
03/22/2022	11:00:00 - 11:15:00	8	22	20	22	19	2.0	138	12.3	82	984.5
03/22/2022	11:15:00 - 11:30:00	8	21	20	20	21	1.9	125	12.4	82	984.2
03/22/2022	11:30:00 - 11:45:00	9	21	20	52	23	2.1	123	12.6	81	983.7
03/22/2022	11:45:00 - 12:00:00	9	23	20	20	21	2.0	125	12.8	80	983.3
03/22/2022	12:00:00 - 12:15:00	9	23	21	34	29	2.6	135	12.9	79	983.2
03/22/2022	12:15:00 - 12:30:00	9	23	22	25	24	2.1	131	13.1	78	983.2
03/22/2022	12:30:00 - 12:45:00	9	24	22	27	28	2.6	137	13.4	77	983.2
03/22/2022	12:45:00 - 13:00:00	10	24	22	34	32	2.3	147	13.9	75	983.1
03/22/2022	13:00:00 - 13:15:00	11	24	25	30	31	1.8	154	14.1	75	982.9
03/22/2022	13:15:00 - 13:30:00	9	23	21	25	28	1.7	168	14.0	76	982.7
03/22/2022	13:30:00 - 13:45:00	9	23	20	22	23	2.2	155	13.5	79	982.6
03/22/2022	13:45:00 - 14:00:00	8	20	19	46	20	1.5	169	13.2	82	982.7
03/22/2022	14:00:00 - 14:15:00	8	21	20	20	20	1.8	161	13.1	84	982.8
03/22/2022	14:15:00 - 14:30:00	9	23	21	21	22	1.8	177	12.9	84	982.6
03/22/2022	14:30:00 - 14:45:00	9	25	22	22	23	1.5	151	12.7	86	982.4
03/22/2022	14:45:00 - 15:00:00	10	26	23	24	24	1.5	154	12.4	87	982.3
03/22/2022	15:00:00 - 15:15:00	10	29	24	25	26	1.6	155	12.1	88	982.1
03/22/2022	15:15:00 - 15:30:00	11	29	25	25	27	2.0	149	11.8	89	982.1
03/22/2022	15:30:00 - 15:45:00	11	29	25	26	26	2.2	140	11.6	90	982.2
03/22/2022	15:45:00 - 16:00:00	11	29	25	31	26	2.0	142	11.6	91	982.1
03/22/2022	16:00:00 - 16:15:00	11	29	26	26	26	2.3	138	11.5	91	981.8
03/22/2022	16:15:00 - 16:30:00	11	29	25	26	26	3.3	134	11.3	91	981.2
03/22/2022	16:30:00 - 16:45:00	11	28	25	25	25	2.9	132	11.2	92	980.7
03/22/2022	16:45:00 - 17:00:00	10	28	24	25	25	2.8	128	11.0	93	980.0
03/22/2022	17:00:00 - 17:15:00	10	27	24	24	24	2.9	119	11.0	94	979.7
03/22/2022	17:15:00 - 17:30:00	10	27	24	24	23	3.4	122	10.9	94	979.1
03/22/2022	17:30:00 - 17:45:00	10	25	23	23	22	3.1	113	10.8	94	978.5
03/22/2022	17:45:00 - 18:00:00	9	24	22	23	21	2.7	123	10.7	94	978.9
03/22/2022	18:00:00 - 18:15:00	9	24	22	22	20	3.2	120	10.6	95	978.8
03/22/2022	18:15:00 - 18:30:00	9	22	21	21	19	3.0	114	10.6	95	978.7
03/22/2022	18:30:00 - 18:45:00	9	22	22	21	19	2.6	110	10.7	95	978.6
03/22/2022	18:45:00 - 19:00:00	9	23	21	22	19	2.9	109	10.6	96	978.3
03/22/2022	19:00:00 - 19:15:00	9	21	20	21	18	4.1	103	10.7	96	977.2
03/22/2022	19:15:00 - 19:30:00	8	20	20	20	17	4.3	101	10.9	96	976.3
03/22/2022	19:30:00 - 19:45:00	8	19	19	20	16	2.9	113	11.3	95	976.9
03/22/2022	19:45:00 - 20:00:00	8	20	19	19	17	2.6	116	11.4	94	977.1
03/22/2022	20:00:00 - 20:15:00	8	20	19	19	16	2.6	118	11.6	93	977.2
03/22/2022	20:15:00 - 20:30:00	8	20	19	19	16	2.3	116	11.7	92	977.4
03/22/2022	20:30:00 - 20:45:00	8	21	20	19	17	2.4	103	11.6	92	977.3
03/22/2022	20:45:00 - 21:00:00	9	22	21	21	18	1.5	120	11.5	92	977.4
03/22/2022	21:00:00 - 21:15:00	9	23	21	21	19	1.5	123	11.4	93	977.3
03/22/2022	21:15:00 - 21:30:00	9	22	21	21	19	2.1	122	11.4	93	977.1
03/22/2022	21:30:00 - 21:45:00	8	20	20	20	17	1.8	128	11.4	93	976.9
03/22/2022	21:45:00 - 22:00:00	8	21	19	20	17	2.2	133	11.2	94	976.8
03/22/2022	22:00:00 - 22:15:00	8	20	20	20	17	2.0	128	10.8	96	976.5
03/22/2022	22:15:00 - 22:30:00	9	21	21	21	18	1.7	116	10.6	97	975.9
03/22/2022	22:30:00 - 22:45:00	9	23	22	23	20	1.6	110	10.5	97	975.6
03/22/2022	22:45:00 - 23:00:00	10	26	23	24	22	2.2	104	10.5	98	975.3
03/22/2022	23:00:00 - 23:15:00	11	28	26	28	25	2.5	103	10.4	98	975.0
03/22/2022	23:15:00 - 23:30:00	12	29	27	29	26	2.0	123	10.4	98	974.8
03/22/2022	23:30:00 - 23:45:00	11	29	26	28	25	2.1	131	10.5	99	974.8
03/22/2022	23:45:00 - 00:00:00	11	28	26	29	26	1.9	140	10.6	99	974.7

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

Appendix A: Complete Preliminary Data Record

3/16/2022																				
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	700	0.0	815	0.0	930	0.0	NA	NA	1115	0.0	1215	0.0	1330	0.0	1430	0.0	NA	NA	1600	0.0
SAM-2	710	0.0	822	0.0	938	0.0	NA	NA	1123	0.0	1225	0.0	1337	0.0	1438	0.0	NA	NA	1610	0.0
SAM-3	705	0.0	818	0.0	934	0.0	NA	NA	1119	0.0	1220	0.0	1333	0.0	1434	0.0	NA	NA	1605	0.0
SAM-4	703	0.0	816	0.0	932	0.0	NA	NA	1117	0.0	1218	0.0	1331	0.0	1432	0.0	NA	NA	1603	0.0
IMPL-A	711	0.0	823	0.0	939	0.0	NA	NA	1124	0.0	1226	0.0	1338	0.0	1439	0.0	NA	NA	1611	0.0
IMPL-B	712	0.0	824	0.0	940	0.0	NA	NA	1125	0.0	1227	0.0	1339	0.0	1440	0.0	NA	NA	1612	0.0
IMPL-C	713	0.0	825	0.0	941	0.0	NA	NA	1126	0.0	1228	0.0	1340	0.0	1441	0.0	NA	NA	1613	0.0
IMPL-D	714	0.0	826	0.0	942	0.0	NA	NA	1127	0.0	1229	0.0	1341	0.0	1442	0.0	NA	NA	1614	0.0
IMPL-E	715	0.0	827	0.0	943	0.0	NA	NA	1128	0.0	1230	0.0	1342	0.0	1443	0.0	NA	NA	1615	0.0
IMPL-F	716	0.0	828	0.0	944	0.0	NA	NA	1129	0.0	1231	0.0	1343	0.0	1444	0.0	NA	NA	1616	0.0
IMPL-G	717	0.0	829	0.0	945	0.0	NA	NA	1130	0.0	1232	0.0	1344	0.0	1445	0.0	NA	NA	1617	0.0
IMPL-H	718	0.0	830	0.0	946	0.0	NA	NA	1131	0.0	1233	0.0	1345	0.0	1446	0.0	NA	NA	1618	0.0
IMPL-I	720	0.0	831	0.0	947	0.0	NA	NA	1132	0.0	1235	0.0	1346	0.0	1447	0.0	NA	NA	1620	0.0
IMPL-J	721	0.0	832	0.0	948	0.0	NA	NA	1133	0.0	1236	0.0	1347	0.0	1448	0.0	NA	NA	1621	0.0
IMPL-K	722	0.0	833	0.0	949	0.0	NA	NA	1134	0.0	1237	0.0	1348	0.0	1449	0.0	NA	NA	1622	0.0
IMPL-L	723	0.0	834	0.0	950	0.0	NA	NA	1135	0.0	1238	0.0	1349	0.0	1450	0.0	NA	NA	1623	0.0

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

3/17/2022																				
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	700	0.0	800	0.0	900	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1520	0.0	1615	0.0
SAM-2	708	0.0	810	0.0	910	0.0	1008	0.0	1107	0.0	1208	0.0	1308	0.0	1408	0.0	1530	0.0	1622	0.0
SAM-3	704	0.0	805	0.0	905	0.0	1004	0.0	1103	0.0	1204	0.0	1304	0.0	1404	0.0	1525	0.0	1618	0.0
SAM-4	702	0.0	803	0.0	903	0.0	1002	0.0	1101	0.0	1202	0.0	1302	0.0	1402	0.0	1523	0.0	1616	0.0
IMPL-A	709	0.0	811	0.1	911	0.0	1009	0.0	1108	0.0	1209	0.0	1309	0.0	1409	0.0	1531	0.0	1623	0.0
IMPL-B	710	0.0	812	0.0	912	0.0	1010	0.0	1109	0.0	1210	0.0	1310	0.0	1410	0.0	1532	0.0	1624	0.0
IMPL-C	711	0.0	813	0.0	913	0.0	1011	0.0	1110	0.0	1211	0.0	1311	0.0	1411	0.0	1533	0.0	1625	0.0
IMPL-D	712	0.0	814	0.0	914	0.0	1012	0.0	1111	0.0	1212	0.0	1312	0.0	1412	0.0	1534	0.0	1626	0.0
IMPL-E	713	0.0	815	0.0	915	0.0	1013	0.0	1112	0.0	1213	0.0	1313	0.0	1413	0.0	1535	0.0	1627	0.0
IMPL-F	714	0.0	816	0.0	916	0.0	1014	0.0	1113	0.0	1214	0.0	1314	0.0	1414	0.0	1536	0.0	1628	0.0
IMPL-G	715	0.0	817	0.0	917	0.0	1015	0.0	1114	0.0	1215	0.0	1315	0.0	1415	0.0	1537	0.0	1629	0.0
IMPL-H	716	0.0	818	0.0	918	0.0	1016	0.0	1115	0.0	1216	0.0	1316	0.0	1416	0.0	1538	0.0	1630	0.0
IMPL-I	717	0.0	820	0.0	920	0.0	1017	0.0	1116	0.0	1217	0.0	1317	0.0	1417	0.0	1540	0.0	1631	0.0
IMPL-J	718	0.0	821	0.0	921	0.0	1018	0.0	1117	0.0	1218	0.0	1318	0.0	1418	0.0	1541	0.0	1632	0.0
IMPL-K	719	0.0	822	0.0	922	0.0	1019	0.0	1118	0.0	1219	0.0	1319	0.0	1419	0.0	1542	0.0	1633	0.0
IMPL-L	720	0.0	823	0.0	923	0.0	1020	0.0	1119	0.0	1220	0.0	1320	0.0	1420	0.0	1543	0.0	1634	0.0

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

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

Appendix A: Complete Preliminary Data Record

3/18/2022																				
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	700	0.0	800	0.0	900	0.0	NA	NA	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	NA	NA
SAM-2	708	0.0	808	0.0	908	0.0	NA	NA	1107	0.0	1208	0.0	1308	0.0	1408	0.0	1507	0.0	NA	NA
SAM-3	704	0.0	804	0.0	904	0.0	NA	NA	1103	0.0	1204	0.0	1304	0.0	1404	0.0	1503	0.0	NA	NA
SAM-4	702	0.0	802	0.0	902	0.0	NA	NA	1101	0.0	1202	0.0	1302	0.0	1402	0.0	1501	0.0	NA	NA
IMPL-A	709	0.0	809	0.0	909	0.0	NA	NA	1108	0.0	1209	0.0	1309	0.0	1409	0.0	1508	0.0	NA	NA
IMPL-B	710	0.0	810	0.0	910	0.0	NA	NA	1109	0.0	1210	0.0	1310	0.0	1410	0.0	1509	0.0	NA	NA
IMPL-C	711	0.0	811	0.0	911	0.0	NA	NA	1110	0.0	1211	0.0	1311	0.0	1411	0.0	1510	0.0	NA	NA
IMPL-D	712	0.0	812	0.0	912	0.0	NA	NA	1111	0.0	1212	0.0	1312	0.0	1412	0.0	1511	0.0	NA	NA
IMPL-E	713	0.0	813	0.0	913	0.0	NA	NA	1112	0.0	1213	0.0	1313	0.0	1413	0.0	1512	0.0	NA	NA
IMPL-F	714	0.0	814	0.0	914	0.0	NA	NA	1113	0.0	1214	0.0	1314	0.0	1414	0.0	1513	0.0	NA	NA
IMPL-G	715	0.0	815	0.0	915	0.0	NA	NA	1114	0.0	1215	0.0	1315	0.0	1415	0.0	1514	0.0	NA	NA
IMPL-H	716	0.0	816	0.0	916	0.0	NA	NA	1115	0.0	1216	0.0	1316	0.0	1416	0.0	1515	0.0	NA	NA
IMPL-I	717	0.0	817	0.0	917	0.0	NA	NA	1116	0.0	1217	0.0	1317	0.0	1417	0.0	1516	0.0	NA	NA
IMPL-J	718	0.0	818	0.0	918	0.0	NA	NA	1117	0.0	1218	0.0	1318	0.0	1418	0.0	1517	0.0	NA	NA
IMPL-K	719	0.0	819	0.0	919	0.0	NA	NA	1118	0.0	1219	0.0	1319	0.0	1419	0.0	1518	0.0	NA	NA
IMPL-L	720	0.0	820	0.0	920	0.0	NA	NA	1119	0.0	1220	0.0	1320	0.0	1420	0.0	1519	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

3/21/2022																				
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	737	0.0	807	0.0	935	0.0	1005	0.0	1105	0.0	1206	0.0	1306	0.0	1408	0.0	1505	0.0	NA	NA
SAM-2	732	0.0	802	0.0	931	0.0	1001	0.0	1101	0.0	1201	0.0	1302	0.0	1402	0.0	1501	0.0	NA	NA
SAM-3	748	0.0	818	0.0	944	0.0	1013	0.0	1113	0.0	1212	0.0	1320	0.0	1418	0.0	1513	0.0	NA	NA
SAM-4	741	0.0	811	0.0	938	0.0	1008	0.0	1108	0.0	1207	0.0	1311	0.0	1412	0.0	1508	0.0	NA	NA
IMPL-A	730	0.0	800	0.0	930	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	NA	NA
IMPL-B	733	0.0	803	0.0	932	0.0	1002	0.0	1102	0.0	1202	0.0	1303	0.0	1403	0.0	1502	0.0	NA	NA
IMPL-C	734	0.0	804	0.0	933	0.0	1003	0.0	1103	0.0	1203	0.0	1304	0.0	1404	0.0	1503	0.0	NA	NA
IMPL-D	735	0.0	805	0.0	934	0.0	1004	0.0	1104	0.0	1205	0.0	1304	0.0	1406	0.0	1504	0.0	NA	NA
IMPL-E	738	0.0	808	0.0	936	0.0	1006	0.0	1106	0.0	1205	0.0	1308	0.0	1410	0.0	1506	0.0	NA	NA
IMPL-F	740	0.0	810	0.0	937	0.0	1007	0.0	1107	0.0	1206	0.0	1310	0.0	1411	0.0	1507	0.0	NA	NA
IMPL-G	742	0.0	812	0.0	939	0.0	1009	0.0	1109	0.0	1208	0.0	1312	0.0	1413	0.0	1509	0.0	NA	NA
IMPL-H	743	0.0	813	0.0	940	0.0	1010	0.0	1110	0.0	1209	0.0	1313	0.0	1414	0.0	1510	0.0	NA	NA
IMPL-I	744	0.0	814	0.0	941	0.0	1011	0.0	1111	0.0	1210	0.0	1314	0.0	1415	0.0	1511	0.0	NA	NA
IMPL-J	746	0.0	816	0.0	942	0.0	1012	0.0	1112	0.0	1211	0.0	1316	0.0	1416	0.0	1512	0.0	NA	NA
IMPL-K	749	0.0	819	0.0	945	0.0	1014	0.0	1114	0.0	1213	0.0	1322	0.0	1419	0.0	1514	0.0	NA	NA
IMPL-L	750	0.0	820	0.0	946	0.0	1015	0.0	1115	0.0	1214	0.0	1323	0.0	1420	0.0	1515	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

3/22/2022																				
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	737	0.0	807	0.0	935	0.0	1005	0.0	1105	0.0	1206	0.0	1306	0.0	1408	0.0	1505	0.0	1605	0.0
SAM-2	732	0.0	802	0.0	931	0.0	1001	0.0	1101	0.0	1201	0.0	1302	0.0	1402	0.0	1501	0.0	1601	0.0
SAM-3	748	0.0	818	0.0	944	0.0	1013	0.0	1113	0.0	1212	0.0	1320	0.0	1418	0.0	1513	0.0	1613	0.0
SAM-4	741	0.0	811	0.0	938	0.0	1008	0.0	1108	0.0	1207	0.0	1311	0.0	1412	0.0	1508	0.0	1608	0.0
IMPL-A	730	0.0	800	0.0	930	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0
IMPL-B	733	0.0	803	0.0	932	0.0	1002	0.0	1102	0.0	1202	0.0	1303	0.0	1403	0.0	1502	0.0	1602	0.0
IMPL-C	734	0.0	804	0.0	933	0.0	1003	0.0	1103	0.0	1203	0.0	1304	0.0	1404	0.0	1503	0.0	1603	0.0
IMPL-D	735	0.0	805	0.0	934	0.0	1004	0.0	1104	0.0	1205	0.0	1304	0.0	1406	0.0	1504	0.0	1604	0.0
IMPL-E	738	0.0	808	0.0	936	0.0	1006	0.0	1106	0.0	1205	0.0	1308	0.0	1410	0.0	1506	0.0	1606	0.0
IMPL-F	740	0.0	810	0.0	937	0.0	1007	0.0	1107	0.0	1206	0.0	1310	0.0	1411	0.0	1507	0.0	1607	0.0
IMPL-G	742	0.0	812	0.0	939	0.0	1009	0.0	1109	0.0	1208	0.0	1312	0.0	1413	0.0	1509	0.0	1609	0.0
IMPL-H	743	0.0	813	0.0	940	0.0	1010	0.0	1110	0.0	1209	0.0	1313	0.0	1414	0.0	1510	0.0	1610	0.0
IMPL-I	744	0.0	814	0.0	941	0.0	1011	0.0	1111	0.0	1210	0.0	1314	0.0	1415	0.0	1511	0.0	1611	0.0
IMPL-J	746	0.0	816	0.0	942	0.0	1012	0.0	1112	0.0	1211	0.0	1316	0.0	1416	0.0	1512	0.0	1612	0.0
IMPL-K	749	0.0	819	0.2	945	0.2	1014	0.1	1114	0.0	1213	0.0	1322	0.0	1419	0.0	1514	0.1	1614	0.1
IMPL-L	750	0.0	820	0.2	946	0.2	1015	0.1	1115	0.0	1214	0.0	1323	0.0	1420	0.0	1515	0.1	1615	0.1

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

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

APPENDIX B COMPLETE PRELIMINARY LAB RESULT DATA



Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg	2.5		Naphthalene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	2-Methylnaphthalene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	2-Chloronaphthalene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Acenaphthylene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Acenaphthene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Fluorene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Phenanthrene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Anthracene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Fluoranthene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Pyrene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Chrysene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Benzo(a)anthracene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Benzo(b)fluoranthene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Benzo(k)fluoranthene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Benzo(a)pyrene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	%R	84		Fluorene-d10
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	%R	100		Pyrene-d10
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	%R	103		Benzo(a)pyrene-d12
TO-13A	20220307-09-SE-SAM1	03/07/2022 11:40	03/09/2022 09:27	%R	88		Fluoranthene-d10
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg	3.5		Naphthalene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	2-Methylnaphthalene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	2-Chloronaphthalene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Acenaphthylene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Acenaphthene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Fluorene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Phenanthrene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Anthracene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Fluoranthene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Pyrene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Chrysene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Benzo(a)anthracene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Benzo(b)fluoranthene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Benzo(k)fluoranthene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Benzo(a)pyrene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	%R	86		Fluorene-d10
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	%R	98		Pyrene-d10
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	%R	97		Benzo(a)pyrene-d12
TO-13A	20220307-09-NE-SAM2	03/07/2022 12:13	03/09/2022 09:14	%R	90		Fluoranthene-d10
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg	2.5		Naphthalene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	2-Methylnaphthalene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	2-Chloronaphthalene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Acenaphthylene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Acenaphthene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Fluorene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Phenanthrene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Anthracene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Fluoranthene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Pyrene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Chrysene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Benzo(a)anthracene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	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	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Benzo(k)fluoranthene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Benzo(a)pyrene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	%R	79		Fluorene-d10
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	%R	99		Pyrene-d10
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	%R	88		Benzo(a)pyrene-d12
TO-13A	20220307-09-SE-SAM3	03/07/2022 11:48	03/09/2022 09:37	%R	75		Fluoranthene-d10
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg	1.1		Naphthalene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	2-Methylnaphthalene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	2-Chloronaphthalene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Acenaphthylene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Acenaphthene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Fluorene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Phenanthrene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Anthracene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Fluoranthene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Pyrene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Chrysene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Benzo(a)anthracene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Benzo(b)fluoranthene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Benzo(k)fluoranthene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Benzo(a)pyrene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	%R	74		Fluorene-d10
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	%R	103		Pyrene-d10
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	%R	84		Benzo(a)pyrene-d12
TO-13A	20220307-09-NW-SAM4	03/07/2022 12:05	03/09/2022 09:53	%R	86		Fluoranthene-d10
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Naphthalene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	2-Methylnaphthalene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	2-Chloronaphthalene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Acenaphthylene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Acenaphthene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Fluorene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Phenanthrene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Anthracene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Fluoranthene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Pyrene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Chrysene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Benzo(a)anthracene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Benzo(b)fluoranthene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Benzo(k)fluoranthene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Benzo(a)pyrene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	%R	74		Fluorene-d10
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	%R	89		Pyrene-d10
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	%R	86		Benzo(a)pyrene-d12
TO-13A	20220307-09-SW-SAM5	03/07/2022 11:56	03/09/2022 09:48	%R	80		Fluoranthene-d10
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Naphthalene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	2-Methylnaphthalene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	2-Chloronaphthalene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	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	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Acenaphthene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Fluorene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Phenanthrene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Anthracene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Fluoranthene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Pyrene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Chrysene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Benzo(a)anthracene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Benzo(b)fluoranthene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Benzo(k)fluoranthene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Benzo(a)pyrene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	%R	91		Fluorene-d10
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	%R	87		Pyrene-d10
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	%R	101		Benzo(a)pyrene-d12
TO-13A	20220307-09-SAM6	03/07/2022 12:20	03/09/2022 10:12	%R	85		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	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg	5.1		Naphthalene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	2-Methylnaphthalene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	2-Chloronaphthalene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Acenaphthylene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Acenaphthene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Fluorene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Phenanthrene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Anthracene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Fluoranthene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Pyrene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Chrysene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Benzo(a)anthracene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Benzo(b)fluoranthene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Benzo(k)fluoranthene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Benzo(a)pyrene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	%R	81		Fluorene-d10
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	%R	97		Pyrene-d10
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	%R	97		Benzo(a)pyrene-d12
TO-13A	20220309-11-SE-SAM1	03/09/2022 09:35	03/11/2022 10:45	%R	76		Fluoranthene-d10
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Naphthalene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	2-Methylnaphthalene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	2-Chloronaphthalene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Acenaphthylene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Acenaphthene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Fluorene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Phenanthrene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Anthracene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Fluoranthene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Pyrene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Chrysene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Benzo(a)anthracene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Benzo(b)fluoranthene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Benzo(k)fluoranthene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Benzo(a)pyrene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	%R	86		Fluorene-d10
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	%R	122	Q	Pyrene-d10
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	%R	105		Benzo(a)pyrene-d12
TO-13A	20220309-11-NE-SAM2	03/09/2022 09:16	03/11/2022 11:14	%R	81		Fluoranthene-d10
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg	4.2		Naphthalene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	2-Methylnaphthalene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	2-Chloronaphthalene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Acenaphthylene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Acenaphthene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Fluorene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Phenanthrene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Anthracene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Fluoranthene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Pyrene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Chrysene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Benzo(a)anthracene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	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	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Benzo(k)fluoranthene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Benzo(a)pyrene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	%R	72		Fluorene-d10
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	%R	80		Pyrene-d10
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	%R	84		Benzo(a)pyrene-d12
TO-13A	20220309-11-SE-SAM3	03/09/2022 09:41	03/11/2022 10:41	%R	72		Fluoranthene-d10
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Naphthalene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	2-Methylnaphthalene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	2-Chloronaphthalene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Acenaphthylene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Acenaphthene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Fluorene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Phenanthrene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Anthracene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Fluoranthene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Pyrene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Chrysene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Benzo(a)anthracene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Benzo(b)fluoranthene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Benzo(k)fluoranthene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Benzo(a)pyrene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	%R	69		Fluorene-d10
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	%R	77		Pyrene-d10
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	%R	79		Benzo(a)pyrene-d12
TO-13A	20220309-11-NW-SAM4	03/09/2022 09:55	03/11/2022 11:01	%R	64		Fluoranthene-d10
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Naphthalene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	2-Methylnaphthalene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	2-Chloronaphthalene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Acenaphthylene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Acenaphthene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Fluorene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Phenanthrene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Anthracene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Fluoranthene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Pyrene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Chrysene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Benzo(a)anthracene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Benzo(b)fluoranthene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Benzo(k)fluoranthene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Benzo(a)pyrene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	%R	84		Fluorene-d10
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	%R	92		Pyrene-d10
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	%R	102		Benzo(a)pyrene-d12
TO-13A	20220309-11-SW-SAM5	03/09/2022 09:50	03/11/2022 10:52	%R	82		Fluoranthene-d10
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Naphthalene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	2-Methylnaphthalene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	2-Chloronaphthalene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Acenaphthylene

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Acenaphthene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Fluorene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Phenanthrene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Anthracene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Fluoranthene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Pyrene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Chrysene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Benzo(a)anthracene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Benzo(b)fluoranthene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Benzo(k)fluoranthene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Benzo(a)pyrene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	%R	82		Fluorene-d10
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	%R	100		Pyrene-d10
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	%R	103		Benzo(a)pyrene-d12
TO-13A	20220309-11-SAM6	03/09/2022 09:10	03/11/2022 10:40	%R	77		Fluoranthene-d10

ND - Non Detect

E - Exceeds instrument calibration range

Q - Exceeds quality control limits

S - Saturated peak

J - Estimated value

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

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

N - The identification is based on presumptive evidence.

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