

# Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

21 March 2022

Project No.: 0529307

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## 1. INTRODUCTION

Environmental Resources Management, Inc. (ERM) installed five stationary air monitors (SAMs) at four locations around the perimeter of the remediation site to monitor dust levels (PM<sub>10</sub>), volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) produced by the excavation. SAMs 1 and 3 were collocated in the southeast corner to provide duplicate measurements for quality control purposes. A meteorological monitoring station was installed to collect wind speed and direction, temperature, and barometric pressure to document atmospheric conditions and to support interpretation of the air quality data. A map showing the monitoring network layout is presented in Figure 1.

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



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

This weekly summary presents the real-time ambient air quality and meteorological data collected from March 9, 2022 through March 15, 2022. The laboratory results that are presented were collected from February 28 through March 4, 2022. All results are compared to the established maximum acceptable exposure levels and are representative of ongoing remedial efforts.

## 2. SUMMARY

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

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

**Table 1 Reporting Period Air Monitoring Summary**

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	164	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, $\mu\text{g}/\text{m}^3$ )	2/28/2022 – 3/4/2022	0	2.1	820
Acenaphthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/28/2022 – 3/4/2022	0	ND	12,300
Acenaphthylene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/28/2022 – 3/4/2022	0	ND	615
Anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/28/2022 – 3/4/2022	0	ND	615
Benzo(a)anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/28/2022 – 3/4/2022	0	ND	1.54
Benzo(a)pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/28/2022 – 3/4/2022	0	ND	0.154
Benzo(k)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/28/2022 – 3/4/2022	0	ND	15.4
Benzo(b)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/28/2022 – 3/4/2022	0	ND	15.4
Chrysene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	2/28/2022 – 3/4/2022	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 <sup>3</sup> )	2/28/2022 – 3/4/2022	0	ND	0.154
Fluoranthene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/28/2022 – 3/4/2022	0	ND	8,200
Fluorene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/28/2022 – 3/4/2022	0	ND	8,200
Indeno(1,2,3-cd)pyrene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/28/2022 – 3/4/2022	0	ND	1.54
Napthalene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/28/2022 – 3/4/2022	0	12	176
Phenanthrene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/28/2022 – 3/4/2022	0	ND	6,150
Pyrene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	2/28/2022 – 3/4/2022	0	ND	6,150

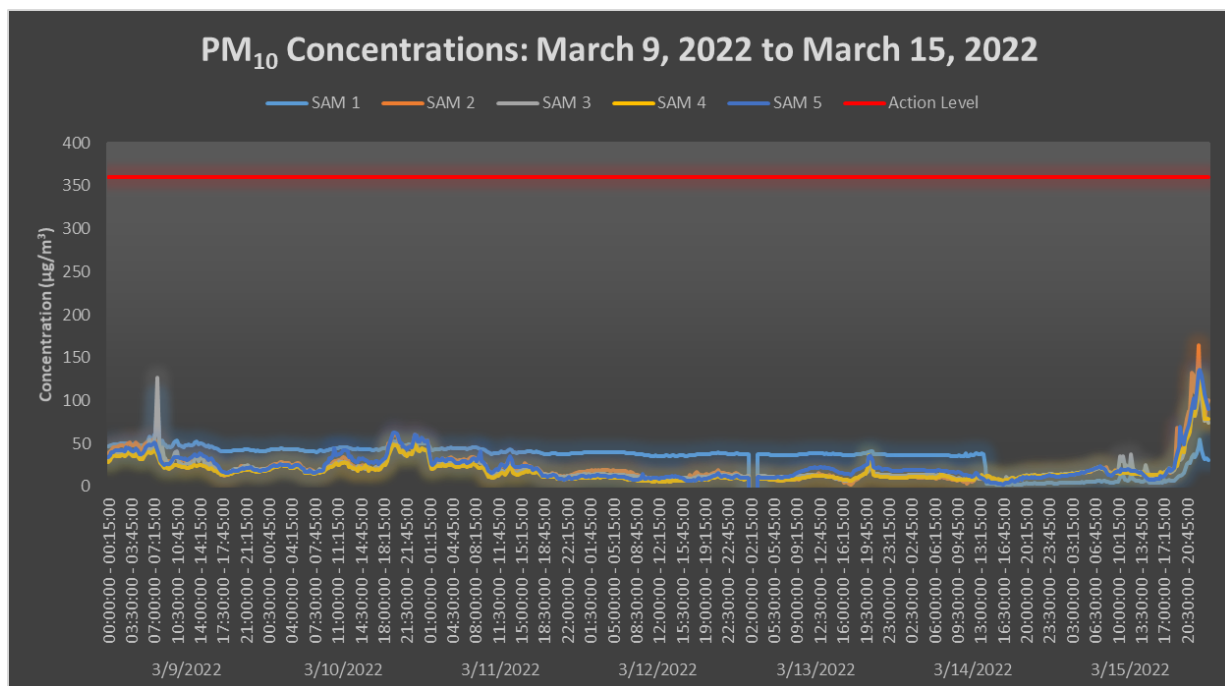
Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

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<sub>10</sub> concentrations for the week are presented in Figure 2.

**Figure 2: PM<sub>10</sub> Concentrations**



**APPENDIX A      COMPLETE PRELIMINARY DATA RECORD**

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Appendix A: Complete Preliminary Data Record

Date	Timestamp (CST)	SAM					Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
03/09/2022	00:00:00 - 00:15:00	47	39	31	29	34	0.3	123	-0.3	79	989.9
03/09/2022	00:15:00 - 00:30:00	48	41	32	31	37	0.4	167	-0.6	81	989.9
03/09/2022	00:30:00 - 00:45:00	48	42	35	34	40	0.5	172	-0.8	82	989.9
03/09/2022	00:45:00 - 01:00:00	49	45	36	35	40	0.4	165	-0.6	82	989.8
03/09/2022	01:00:00 - 01:15:00	49	45	38	36	42	0.4	171	-0.5	83	989.9
03/09/2022	01:15:00 - 01:30:00	49	46	38	35	42	0.3	180	-0.3	83	990.0
03/09/2022	01:30:00 - 01:45:00	49	47	37	35	42	0.3	98	-0.3	82	989.8
03/09/2022	01:45:00 - 02:00:00	50	47	38	36	42	0.3	45	0.0	83	989.7
03/09/2022	02:00:00 - 02:15:00	50	47	39	36	42	0.2	60	0.2	83	989.6
03/09/2022	02:15:00 - 02:30:00	50	48	38	36	42	0.1	33	0.1	82	989.5
03/09/2022	02:30:00 - 02:45:00	50	47	38	36	41	0.1	344	0.1	82	989.4
03/09/2022	02:45:00 - 03:00:00	50	48	39	37	45	0.1	45	0.1	80	989.3
03/09/2022	03:00:00 - 03:15:00	50	51	40	38	44	0.3	130	-0.1	81	989.2
03/09/2022	03:15:00 - 03:30:00	50	51	40	39	45	0.3	12	0.1	80	989.2
03/09/2022	03:30:00 - 03:45:00	50	48	38	37	42	0.1	349	0.4	79	989.1
03/09/2022	03:45:00 - 04:00:00	49	47	37	35	41	0.4	319	0.7	78	988.9
03/09/2022	04:00:00 - 04:15:00	50	48	38	35	42	0.2	353	0.6	79	989.0
03/09/2022	04:15:00 - 04:30:00	50	51	40	37	44	0.2	317	0.6	79	989.0
03/09/2022	04:30:00 - 04:45:00	50	49	37	36	42	0.4	323	0.8	78	989.1
03/09/2022	04:45:00 - 05:00:00	48	44	34	32	38	0.3	299	0.9	77	989.2
03/09/2022	05:00:00 - 05:15:00	48	42	33	32	37	0.4	289	1.0	76	989.2
03/09/2022	05:15:00 - 05:30:00	48	44	34	32	39	0.5	272	0.9	76	989.1
03/09/2022	05:30:00 - 05:45:00	49	49	37	36	42	0.4	288	0.8	77	988.9
03/09/2022	05:45:00 - 06:00:00	51	50	40	37	45	0.3	252	0.5	79	989.0
03/09/2022	06:00:00 - 06:15:00	52	52	42	39	48	0.2	256	0.5	79	989.0
03/09/2022	06:15:00 - 06:30:00	58	53	54	40	48	0.2	262	0.7	80	989.1
03/09/2022	06:30:00 - 06:45:00	51	51	42	39	48	0.4	154	0.8	80	989.1
03/09/2022	06:45:00 - 07:00:00	53	54	44	40	49	0.4	151	0.5	80	989.2
03/09/2022	07:00:00 - 07:15:00	60	55	56	42	51	0.1	62	0.3	82	989.3
03/09/2022	07:15:00 - 07:30:00	62	53	61	42	50	0.1	272	1.0	81	989.6
03/09/2022	07:30:00 - 07:45:00	105	47	127	36	42	0.5	313	1.8	78	990.0
03/09/2022	07:45:00 - 08:00:00	56	41	47	31	36	0.8	293	2.2	76	990.3
03/09/2022	08:00:00 - 08:15:00	48	35	36	27	31	1.1	300	2.2	75	990.4
03/09/2022	08:15:00 - 08:30:00	53	32	46	24	28	1.1	311	3.3	72	990.7
03/09/2022	08:30:00 - 08:45:00	48	29	32	22	25	1.8	304	3.9	67	990.7
03/09/2022	08:45:00 - 09:00:00	48	30	33	22	27	1.5	300	4.0	67	990.8
03/09/2022	09:00:00 - 09:15:00	46	29	27	21	27	1.4	305	4.4	66	991.0
03/09/2022	09:15:00 - 09:30:00	46	29	27	21	26	2.0	299	4.7	64	991.0
03/09/2022	09:30:00 - 09:45:00	45	29	24	21	28	1.6	289	5.1	61	991.0
03/09/2022	09:45:00 - 10:00:00	46	31	27	22	31	1.7	308	5.5	59	991.2
03/09/2022	10:00:00 - 10:15:00	51	33	36	25	34	1.6	331	5.9	59	991.2
03/09/2022	10:15:00 - 10:30:00	52	34	40	25	34	1.0	300	6.6	57	991.1
03/09/2022	10:30:00 - 10:45:00	53	33	40	25	34	1.2	293	6.9	57	991.2
03/09/2022	10:45:00 - 11:00:00	47	31	27	24	34	1.8	302	6.8	58	991.3
03/09/2022	11:00:00 - 11:15:00	48	31	27	23	33	2.1	294	6.8	58	991.4
03/09/2022	11:15:00 - 11:30:00	47	31	26	23	33	1.6	287	7.1	59	991.3
03/09/2022	11:30:00 - 11:45:00	45	32	23	22	32	1.7	288	7.4	60	991.3
03/09/2022	11:45:00 - 12:00:00	48	30	25	23	33	1.6	307	7.7	60	991.3
03/09/2022	12:00:00 - 12:15:00	48	29	27	22	31	1.9	312	8.0	59	991.2
03/09/2022	12:15:00 - 12:30:00	49	28	32	22	32	1.7	315	8.1	61	991.1
03/09/2022	12:30:00 - 12:45:00	47	29	25	22	33	1.9	318	8.2	61	990.9
03/09/2022	12:45:00 - 13:00:00	47	31	25	23	34	1.9	300	8.1	62	990.7
03/09/2022	13:00:00 - 13:15:00	49	33	29	25	36	2.3	299	8.0	61	990.5
03/09/2022	13:15:00 - 13:30:00	52	34	35	25	37	1.7	314	8.1	62	990.3
03/09/2022	13:30:00 - 13:45:00	52	33	35	24	36	2.5	314	8.2	59	990.3
03/09/2022	13:45:00 - 14:00:00	49	35	29	25	37	2.1	301	7.9	59	990.4
03/09/2022	14:00:00 - 14:15:00	50	36	31	25	38	1.7	298	8.7	58	990.4
03/09/2022	14:15:00 - 14:30:00	50	36	34	25	38	2.0	307	8.4	59	990.4
03/09/2022	14:30:00 - 14:45:00	50	34	31	24	36	2.3	303	7.9	60	990.4
03/09/2022	14:45:00 - 15:00:00	48	34	27	23	35	1.9	305	7.7	61	990.5
03/09/2022	15:00:00 - 15:15:00	46	33	25	23	34	1.4	301	8.0	61	990.6
03/09/2022	15:15:00 - 15:30:00	48	28	29	20	31	1.3	289	8.6	58	990.6

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



Appendix A: Complete Preliminary Data Record

Date	Timestamp (CST)	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]
03/09/2022	15:30:00 - 15:45:00	45	27	23	20	32	1.6	328	9.0	57	990.6
03/09/2022	15:45:00 - 16:00:00	47	28	26	21	33	1.7	345	8.0	60	990.7
03/09/2022	16:00:00 - 16:15:00	46	26	25	19	30	1.7	342	7.9	60	990.7
03/09/2022	16:15:00 - 16:30:00	44	23	20	18	27	2.0	340	7.0	60	990.8
03/09/2022	16:30:00 - 16:45:00	44	22	20	18	26	1.7	353	6.6	64	990.8
03/09/2022	16:45:00 - 17:00:00	43	20	18	16	23	1.8	351	6.4	63	990.9
03/09/2022	17:00:00 - 17:15:00	42	17	17	15	21	1.7	352	6.2	62	991.1
03/09/2022	17:15:00 - 17:30:00	41	13	16	13	18	1.3	355	5.5	63	991.3
03/09/2022	17:30:00 - 17:45:00	41	13	15	13	17	1.1	357	4.9	64	991.5
03/09/2022	17:45:00 - 18:00:00	41	13	16	13	16	1.5	1	4.2	68	991.7
03/09/2022	18:00:00 - 18:15:00	41	14	16	13	16	0.8	4	3.7	70	992.0
03/09/2022	18:15:00 - 18:30:00	41	13	16	14	16	1.2	24	3.3	71	992.3
03/09/2022	18:30:00 - 18:45:00	41	14	17	14	17	0.5	32	2.9	72	992.6
03/09/2022	18:45:00 - 19:00:00	41	15	18	15	17	0.4	57	2.6	74	992.9
03/09/2022	19:00:00 - 19:15:00	42	18	19	16	19	0.4	62	2.3	74	993.2
03/09/2022	19:15:00 - 19:30:00	42	20	21	16	18	0.5	42	2.2	74	993.6
03/09/2022	19:30:00 - 19:45:00	42	19	20	16	18	0.7	45	1.9	75	993.7
03/09/2022	19:45:00 - 20:00:00	42	19	21	17	18	0.3	38	1.7	75	993.9
03/09/2022	20:00:00 - 20:15:00	42	20	21	18	19	0.4	359	1.6	76	994.1
03/09/2022	20:15:00 - 20:30:00	42	24	21	18	20	0.1	16	1.2	77	994.2
03/09/2022	20:30:00 - 20:45:00	42	24	22	19	21	0.7	355	1.1	77	994.2
03/09/2022	20:45:00 - 21:00:00	43	23	23	19	20	0.4	35	1.0	76	994.1
03/09/2022	21:00:00 - 21:15:00	43	22	23	20	21	0.6	10	0.8	77	994.2
03/09/2022	21:15:00 - 21:30:00	44	22	24	20	22	0.7	12	0.7	77	994.4
03/09/2022	21:30:00 - 21:45:00	43	21	24	20	22	0.6	6	0.5	78	994.5
03/09/2022	21:45:00 - 22:00:00	42	21	22	19	23	1.0	11	0.3	79	994.5
03/09/2022	22:00:00 - 22:15:00	43	20	22	18	21	1.2	5	0.3	78	994.6
03/09/2022	22:15:00 - 22:30:00	42	20	20	18	19	1.4	1	0.1	79	994.5
03/09/2022	22:30:00 - 22:45:00	41	19	20	17	19	1.1	358	-0.2	80	994.6
03/09/2022	22:45:00 - 23:00:00	42	19	20	17	19	0.9	2	-0.4	81	994.6
03/09/2022	23:00:00 - 23:15:00	41	20	19	17	18	0.8	5	-0.7	81	994.5
03/09/2022	23:15:00 - 23:30:00	41	20	20	18	18	0.9	356	-0.8	81	994.5
03/09/2022	23:30:00 - 23:45:00	41	21	20	18	19	1.1	3	-0.9	81	994.4
03/09/2022	23:45:00 - 00:00:00	41	21	20	18	19	1.0	9	-1.1	82	994.3
03/10/2022	00:00:00 - 00:15:00	41	21	20	18	20	1.3	360	-1.2	82	994.3
03/10/2022	00:15:00 - 00:30:00	42	21	21	19	20	1.0	8	-1.3	82	994.3
03/10/2022	00:30:00 - 00:45:00	42	23	21	20	22	0.8	16	-1.4	83	994.3
03/10/2022	00:45:00 - 01:00:00	43	24	22	21	23	1.0	19	-1.6	83	994.4
03/10/2022	01:00:00 - 01:15:00	43	25	23	22	24	0.9	29	-1.8	85	994.6
03/10/2022	01:15:00 - 01:30:00	43	26	23	22	24	1.0	19	-1.9	85	994.5
03/10/2022	01:30:00 - 01:45:00	43	26	24	22	24	0.8	19	-2.1	86	994.5
03/10/2022	01:45:00 - 02:00:00	43	26	24	23	24	0.8	8	-2.2	87	994.4
03/10/2022	02:00:00 - 02:15:00	44	27	25	24	24	0.7	21	-2.3	87	994.4
03/10/2022	02:15:00 - 02:30:00	44	28	25	25	26	1.1	11	-2.4	88	994.3
03/10/2022	02:30:00 - 02:45:00	44	28	26	25	25	0.8	19	-2.4	88	994.4
03/10/2022	02:45:00 - 03:00:00	44	28	24	24	25	0.9	17	-2.4	88	994.5
03/10/2022	03:00:00 - 03:15:00	44	27	24	24	25	1.1	11	-2.6	87	994.6
03/10/2022	03:15:00 - 03:30:00	44	28	24	24	25	0.8	25	-2.7	87	994.6
03/10/2022	03:30:00 - 03:45:00	43	27	24	24	25	1.0	21	-2.8	88	994.7
03/10/2022	03:45:00 - 04:00:00	43	25	22	21	23	1.3	22	-2.9	87	995
03/10/2022	04:00:00 - 04:15:00	43	25	22	21	22	1.4	12	-3.0	87	995
03/10/2022	04:15:00 - 04:30:00	43	25	22	22	23	1.0	23	-3.0	88	995
03/10/2022	04:30:00 - 04:45:00	43	27	23	23	25	1.0	23	-2.9	88	996
03/10/2022	04:45:00 - 05:00:00	43	27	23	23	25	1.4	20	-2.9	87	996
03/10/2022	05:00:00 - 05:15:00	43	27	23	24	25	1.3	32	-2.9	87	996
03/10/2022	05:15:00 - 05:30:00	43	26	22	22	24	1.3	22	-3.1	87	996
03/10/2022	05:30:00 - 05:45:00	42	23	21	20	22	1.3	21	-3.1	86	996
03/10/2022	05:45:00 - 06:00:00	42	22	20	20	20	1.3	19	-3.3	85	996
03/10/2022	06:00:00 - 06:15:00	41	18	17	15	17	1.0	18	-3.4	84	996
03/10/2022	06:15:00 - 06:30:00	41	19	18	16	17	1.1	17	-3.4	83	996
03/10/2022	06:30:00 - 06:45:00	41	20	18	16	17	1.3	1	-3.4	83	997
03/10/2022	06:45:00 - 07:00:00	41	20	18	17	19	1.1	3	-3.3	83	997

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



## Appendix A: Complete Preliminary Data Record

Date	Timestamp (CST)	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]
03/10/2022	07:00:00 - 07:15:00	41	19	18	16	17	1.3	9	-3.1	82	997
03/10/2022	07:15:00 - 07:30:00	41	18	17	15	16	1.5	11	-2.9	81	997
03/10/2022	07:30:00 - 07:45:00	41	17	17	15	16	1.3	14	-2.7	80	997
03/10/2022	07:45:00 - 08:00:00	40	17	17	16	17	1.1	27	-2.6	80	997
03/10/2022	08:00:00 - 08:15:00	40	18	18	18	18	1.3	23	-2.6	80	997
03/10/2022	08:15:00 - 08:30:00	42	18	21	16	18	1.5	20	-1.9	78	997
03/10/2022	08:30:00 - 08:45:00	42	18	19	17	18	1.2	20	-1.2	76	997
03/10/2022	08:45:00 - 09:00:00	41	17	19	17	19	1.5	31	-0.5	74	997
03/10/2022	09:00:00 - 09:15:00	41	19	19	18	25	1.6	37	-0.4	73	997.1
03/10/2022	09:15:00 - 09:30:00	42	23	22	21	27	1.4	35	-0.2	73	997.2
03/10/2022	09:30:00 - 09:45:00	42	25	22	22	28	1.7	51	0.5	72	997.1
03/10/2022	09:45:00 - 10:00:00	43	26	24	22	33	2.0	70	0.2	72	996.9
03/10/2022	10:00:00 - 10:15:00	43	27	24	23	33	2.3	78	-0.2	75	996.7
03/10/2022	10:15:00 - 10:30:00	44	28	25	24	36	2.3	72	0.7	73	996.5
03/10/2022	10:30:00 - 10:45:00	45	29	26	25	44	1.6	81	0.6	73	996.6
03/10/2022	10:45:00 - 11:00:00	45	30	27	27	37	1.2	53	1.1	74	996.7
03/10/2022	11:00:00 - 11:15:00	45	31	27	25	37	1.6	54	1.7	72	996.4
03/10/2022	11:15:00 - 11:30:00	45	30	30	25	37	1.3	40	1.5	73	996.3
03/10/2022	11:30:00 - 11:45:00	46	32	28	27	39	1.2	60	1.6	72	996.0
03/10/2022	11:45:00 - 12:00:00	46	34	28	27	42	1.5	72	1.7	71	995.8
03/10/2022	12:00:00 - 12:15:00	46	35	28	28	43	1.6	83	1.7	71	995.3
03/10/2022	12:15:00 - 12:30:00	46	32	29	27	42	1.3	59	2.4	69	995.2
03/10/2022	12:30:00 - 12:45:00	45	31	27	27	41	1.6	63	2.9	67	994.7
03/10/2022	12:45:00 - 13:00:00	45	27	25	23	34	1.0	45	3.6	63	994.4
03/10/2022	13:00:00 - 13:15:00	44	26	23	23	35	1.3	57	4.0	61	994.1
03/10/2022	13:15:00 - 13:30:00	43	23	21	21	31	0.8	48	4.8	58	994.1
03/10/2022	13:30:00 - 13:45:00	43	23	20	21	31	1.4	56	4.6	59	993.9
03/10/2022	13:45:00 - 14:00:00	43	21	20	21	28	1.1	16	5.6	55	993.8
03/10/2022	14:00:00 - 14:15:00	45	22	24	18	29	1.4	340	5.4	54	993.9
03/10/2022	14:15:00 - 14:30:00	43	24	21	23	33	1.1	37	4.5	58	993.8
03/10/2022	14:30:00 - 14:45:00	44	24	22	20	32	1.1	15	4.7	59	993.6
03/10/2022	14:45:00 - 15:00:00	43	25	21	21	33	1.0	18	4.6	61	993.5
03/10/2022	15:00:00 - 15:15:00	44	24	22	21	32	0.6	26	4.6	60	993.6
03/10/2022	15:15:00 - 15:30:00	43	22	20	25	31	1.2	44	4.5	59	993.4
03/10/2022	15:30:00 - 15:45:00	43	22	21	21	30	0.9	34	4.4	60	993.4
03/10/2022	15:45:00 - 16:00:00	44	21	23	18	27	1.1	17	4.3	59	993.4
03/10/2022	16:00:00 - 16:15:00	43	20	22	22	28	0.8	41	4.0	59	993.3
03/10/2022	16:15:00 - 16:30:00	42	20	20	21	28	1.6	63	3.7	59	993.1
03/10/2022	16:30:00 - 16:45:00	43	20	21	20	28	1.4	41	3.6	61	993.1
03/10/2022	16:45:00 - 17:00:00	43	21	22	19	30	1.1	30	3.5	63	993.0
03/10/2022	17:00:00 - 17:15:00	43	24	22	20	30	0.9	26	3.1	63	992.9
03/10/2022	17:15:00 - 17:30:00	43	24	23	19	27	1.1	14	2.9	63	993.2
03/10/2022	17:30:00 - 17:45:00	44	27	24	21	29	1.6	12	2.5	64	993.3
03/10/2022	17:45:00 - 18:00:00	44	30	27	24	31	1.1	10	1.5	73	993.4
03/10/2022	18:00:00 - 18:15:00	44	29	26	24	32	1.2	26	1.0	76	993.3
03/10/2022	18:15:00 - 18:30:00	44	30	28	25	33	1.4	7	0.3	80	993.4
03/10/2022	18:30:00 - 18:45:00	46	37	32	30	38	1.6	1	-0.5	84	993.3
03/10/2022	18:45:00 - 19:00:00	48	50	38	35	46	1.6	356	-0.7	86	993.2
03/10/2022	19:00:00 - 19:15:00	50	51	43	41	52	1.4	354	-0.7	88	993.3
03/10/2022	19:15:00 - 19:30:00	52	58	47	47	59	1.1	3	-0.9	89	993.3
03/10/2022	19:30:00 - 19:45:00	52	60	49	48	63	1.1	10	-1.0	89	993.3
03/10/2022	19:45:00 - 20:00:00	53	60	49	48	63	0.7	27	-1.0	90	993.2
03/10/2022	20:00:00 - 20:15:00	53	60	49	48	62	1.0	3	-1.0	90	993.1
03/10/2022	20:15:00 - 20:30:00	51	56	46	45	58	1.0	20	-1.1	91	993.1
03/10/2022	20:30:00 - 20:45:00	49	49	42	40	51	1.1	17	-1.1	91	993.1
03/10/2022	20:45:00 - 21:00:00	49	49	40	40	51	1.1	34	-1.3	90	993.0
03/10/2022	21:00:00 - 21:15:00	48	46	38	42	47	1.4	40	-1.4	89	993.0
03/10/2022	21:15:00 - 21:30:00	48	44	37	38	45	1.4	33	-1.6	89	993.1
03/10/2022	21:30:00 - 21:45:00	48	43	37	35	43	1.3	21	-1.7	89	993.4
03/10/2022	21:45:00 - 22:00:00	49	47	39	38	46	1.2	28	-1.8	89	993.2
03/10/2022	22:00:00 - 22:15:00	49	47	39	38	47	0.9	25	-2.0	91	993.2
03/10/2022	22:15:00 - 22:30:00	48	45	38	37	45	1.1	25	-2.2	92	993.2

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

## Appendix A: Complete Preliminary Data Record

Date	Timestamp (CST)	SAM					Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
03/10/2022	22:30:00 - 22:45:00	49	49	40	41	50	0.9	27	-2.2	92	993.2
03/10/2022	22:45:00 - 23:00:00	53	61	48	49	61	1.2	23	-2.4	92	993.2
03/10/2022	23:00:00 - 23:15:00	52	59	48	45	59	1.4	18	-2.7	92	993.1
03/10/2022	23:15:00 - 23:30:00	50	53	43	42	53	1.3	13	-2.9	92	993.0
03/10/2022	23:30:00 - 23:45:00	50	53	42	41	52	1.4	18	-3.0	93	992.9
03/10/2022	23:45:00 - 00:00:00	50	55	43	44	56	1.6	22	-3.2	93	992.7
03/11/2022	00:00:00 - 00:15:00	50	55	43	45	56	1.3	12	-3.3	93	992.8
03/11/2022	00:15:00 - 00:30:00	50	54	43	42	53	1.1	14	-3.3	94	992.8
03/11/2022	00:30:00 - 00:45:00	50	53	42	42	53	1.5	16	-3.4	93	992.6
03/11/2022	00:45:00 - 01:00:00	50	54	43	42	53	1.3	17	-3.4	93	992.6
03/11/2022	01:00:00 - 01:15:00	46	38	33	30	38	1.4	2	-3.5	93	992.6
03/11/2022	01:15:00 - 01:30:00	42	26	24	20	26	1.6	1	-3.8	93	992.6
03/11/2022	01:30:00 - 01:45:00	42	25	23	20	25	1.4	3	-3.9	93	992.7
03/11/2022	01:45:00 - 02:00:00	43	27	25	21	27	1.5	350	-3.9	93	992.8
03/11/2022	02:00:00 - 02:15:00	43	29	26	23	32	1.5	4	-4.0	93	992.5
03/11/2022	02:15:00 - 02:30:00	43	30	27	24	32	1.5	2	-4.1	93	992.0
03/11/2022	02:30:00 - 02:45:00	44	31	27	24	31	1.6	355	-4.2	93	992.2
03/11/2022	02:45:00 - 03:00:00	44	31	27	24	31	1.2	359	-4.2	93	992.3
03/11/2022	03:00:00 - 03:15:00	45	33	29	27	33	1.5	358	-4.2	93	992.2
03/11/2022	03:15:00 - 03:30:00	44	31	27	24	31	1.4	7	-4.4	93	991.9
03/11/2022	03:30:00 - 03:45:00	44	30	27	23	30	1.6	354	-4.4	93	992.1
03/11/2022	03:45:00 - 04:00:00	44	32	28	25	32	1.3	0	-4.5	94	992.0
03/11/2022	04:00:00 - 04:15:00	45	33	29	25	32	1.2	355	-4.5	94	992.2
03/11/2022	04:15:00 - 04:30:00	45	34	29	25	32	1.2	3	-4.6	94	992.1
03/11/2022	04:30:00 - 04:45:00	45	33	29	25	31	1.5	355	-4.7	94	992.1
03/11/2022	04:45:00 - 05:00:00	44	32	28	24	30	1.2	354	-4.7	95	992.0
03/11/2022	05:00:00 - 05:15:00	44	30	27	23	28	1.2	347	-4.9	95	992.0
03/11/2022	05:15:00 - 05:30:00	44	30	28	23	27	1.1	344	-4.9	95	991.9
03/11/2022	05:30:00 - 05:45:00	44	30	27	23	28	1.2	339	-5.0	95	992.1
03/11/2022	05:45:00 - 06:00:00	45	31	29	24	29	1.0	351	-5.0	95	992.1
03/11/2022	06:00:00 - 06:15:00	45	31	29	24	29	1.1	351	-5.0	95	992.0
03/11/2022	06:15:00 - 06:30:00	45	31	29	24	29	1.2	343	-5.1	95	992.1
03/11/2022	06:30:00 - 06:45:00	44	31	27	24	29	1.5	335	-5.2	95	992.5
03/11/2022	06:45:00 - 07:00:00	44	30	27	23	27	1.4	338	-5.4	95	992.5
03/11/2022	07:00:00 - 07:15:00	44	32	28	24	29	1.3	337	-5.3	95	992.5
03/11/2022	07:15:00 - 07:30:00	44	34	28	24	29	1.3	335	-5.2	94	992.7
03/11/2022	07:30:00 - 07:45:00	45	34	30	26	32	1.3	337	-5.1	94	992.8
03/11/2022	07:45:00 - 08:00:00	45	34	30	26	33	1.4	331	-5.1	93	992.7
03/11/2022	08:00:00 - 08:15:00	45	33	31	25	32	1.5	346	-5.0	92	992.6
03/11/2022	08:15:00 - 08:30:00	45	32	30	24	30	1.5	338	-4.9	91	992.6
03/11/2022	08:30:00 - 08:45:00	44	28	28	22	34	1.4	340	-4.8	89	992.5
03/11/2022	08:45:00 - 09:00:00	44	29	27	22	41	1.5	331	-4.5	88	992.6
03/11/2022	09:00:00 - 09:15:00	44	29	27	22	30	1.2	322	-4.3	86	992.6
03/11/2022	09:15:00 - 09:30:00	43	28	26	21	28	1.3	328	-4.0	85	992.7
03/11/2022	09:30:00 - 09:45:00	42	26	23	18	25	2.1	305	-4.2	84	992.9
03/11/2022	09:45:00 - 10:00:00	41	20	22	16	24	1.7	333	-3.8	83	992.7
03/11/2022	10:00:00 - 10:15:00	40	14	18	12	18	2.0	331	-3.1	80	992.8
03/11/2022	10:15:00 - 10:30:00	39	12	17	11	17	2.2	338	-2.9	79	992.6
03/11/2022	10:30:00 - 10:45:00	38	13	16	10	16	1.8	315	-2.9	78	992.7
03/11/2022	10:45:00 - 11:00:00	38	15	15	10	16	2.1	312	-2.9	78	992.9
03/11/2022	11:00:00 - 11:15:00	38	16	15	11	19	1.8	307	-2.7	77	992.7
03/11/2022	11:15:00 - 11:30:00	39	17	15	12	20	1.8	306	-2.3	76	992.6
03/11/2022	11:30:00 - 11:45:00	39	21	15	12	20	1.3	296	-2.4	77	992.6
03/11/2022	11:45:00 - 12:00:00	40	22	18	15	24	2.1	311	-2.0	76	992.6
03/11/2022	12:00:00 - 12:15:00	41	23	18	16	26	1.8	297	-2.3	75	992.4
03/11/2022	12:15:00 - 12:30:00	40	25	18	16	25	1.8	311	-2.0	73	992.2
03/11/2022	12:30:00 - 12:45:00	39	23	16	14	22	2.6	306	-1.9	64	992.0
03/11/2022	12:45:00 - 13:00:00	41	27	19	16	26	1.4	314	-1.6	67	992.1
03/11/2022	13:00:00 - 13:15:00	42	28	22	19	31	1.8	304	-1.8	66	992.2
03/11/2022	13:15:00 - 13:30:00	44	32	25	23	35	1.5	286	-1.8	65	992.1
03/11/2022	13:30:00 - 13:45:00	42	29	23	20	31	1.1	294	-1.2	62	992.0
03/11/2022	13:45:00 - 14:00:00	40	21	18	16	25	1.4	283	-1.3	59	991.9

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

## Appendix A: Complete Preliminary Data Record

Date	Timestamp (CST)	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]
03/11/2022	14:00:00 - 14:15:00	39	19	17	14	23	1.7	296	-1.3	59	991.8
03/11/2022	14:15:00 - 14:30:00	39	18	16	14	22	1.5	292	-1.0	58	991.6
03/11/2022	14:30:00 - 14:45:00	39	21	16	14	23	1.5	296	-1.1	60	991.5
03/11/2022	14:45:00 - 15:00:00	40	21	18	15	23	1.9	307	-1.5	63	991.3
03/11/2022	15:00:00 - 15:15:00	40	24	19	16	24	2.3	304	-1.7	66	991.1
03/11/2022	15:15:00 - 15:30:00	40	23	19	16	24	1.8	305	-1.6	67	990.9
03/11/2022	15:30:00 - 15:45:00	40	27	20	17	23	2.0	304	-1.6	67	991.1
03/11/2022	15:45:00 - 16:00:00	41	25	21	18	24	2.6	314	-1.8	67	991.1
03/11/2022	16:00:00 - 16:15:00	41	24	20	17	23	1.9	295	-1.8	66	991.3
03/11/2022	16:15:00 - 16:30:00	41	24	21	18	23	2.4	301	-1.9	67	991.3
03/11/2022	16:30:00 - 16:45:00	41	23	20	17	22	2.5	299	-2.0	66	991.4
03/11/2022	16:45:00 - 17:00:00	40	19	18	15	19	2.6	307	-2.1	64	991.5
03/11/2022	17:00:00 - 17:15:00	40	20	19	16	21	2.8	303	-2.4	63	991.7
03/11/2022	17:15:00 - 17:30:00	40	21	20	17	21	2.3	304	-2.6	66	991.9
03/11/2022	17:30:00 - 17:45:00	40	22	20	17	21	2.0	306	-2.7	67	991.9
03/11/2022	17:45:00 - 18:00:00	40	19	18	15	18	2.5	306	-3.0	66	991.9
03/11/2022	18:00:00 - 18:15:00	38	17	15	13	14	2.2	301	-3.1	65	992.0
03/11/2022	18:15:00 - 18:30:00	38	15	14	11	13	2.6	310	-3.2	64	992.2
03/11/2022	18:30:00 - 18:45:00	38	15	14	12	13	1.4	314	-3.3	67	992.2
03/11/2022	18:45:00 - 19:00:00	38	14	14	11	12	1.8	310	-3.4	65	992.2
03/11/2022	19:00:00 - 19:15:00	38	14	13	11	11	2.1	303	-3.6	65	992.0
03/11/2022	19:15:00 - 19:30:00	38	14	13	11	12	1.8	311	-3.7	66	991.9
03/11/2022	19:30:00 - 19:45:00	38	15	14	11	13	2.0	321	-3.8	67	991.9
03/11/2022	19:45:00 - 20:00:00	38	16	14	12	14	2.2	308	-3.8	66	992.6
03/11/2022	20:00:00 - 20:15:00	38	15	14	11	14	2.1	321	-4.0	64	992.7
03/11/2022	20:15:00 - 20:30:00	38	14	14	11	12	2.1	328	-4.3	66	992.8
03/11/2022	20:30:00 - 20:45:00	38	12	12	9	10	2.1	324	-4.7	64	992.9
03/11/2022	20:45:00 - 21:00:00	37	12	12	9	8	2.5	331	-4.9	61	993.1
03/11/2022	21:00:00 - 21:15:00	38	12	12	9	9	2.8	332	-5.3	62	993.3
03/11/2022	21:15:00 - 21:30:00	38	11	11	8	9	2.5	333	-5.7	62	993.4
03/11/2022	21:30:00 - 21:45:00	37	12	11	8	8	2.5	335	-6.1	63	993.5
03/11/2022	21:45:00 - 22:00:00	38	11	12	9	8	2.6	332	-6.5	64	993.6
03/11/2022	22:00:00 - 22:15:00	38	12	12	9	9	2.5	332	-6.9	63	993.5
03/11/2022	22:15:00 - 22:30:00	38	13	12	9	11	2.4	332	-7.3	66	993.5
03/11/2022	22:30:00 - 22:45:00	38	13	12	9	9	2.4	338	-7.7	67	993.5
03/11/2022	22:45:00 - 23:00:00	38	14	13	10	9	2.6	335	-8.0	67	993.4
03/11/2022	23:00:00 - 23:15:00	38	15	13	9	10	2.7	331	-8.4	63	993.3
03/11/2022	23:15:00 - 23:30:00	39	16	12	9	11	2.9	326	-8.7	64	993.5
03/11/2022	23:30:00 - 23:45:00	39	16	13	10	10	3.0	323	-9.0	64	993.6
03/11/2022	23:45:00 - 00:00:00	39	16	13	10	11	3.1	324	-9.2	65	993.5
03/12/2022	00:00:00 - 00:15:00	39	17	14	10	12	2.8	329	-9.3	66	993.6
03/12/2022	00:15:00 - 00:30:00	39	17	14	10	12	2.7	330	-9.4	67	993.8
03/12/2022	00:30:00 - 00:45:00	39	17	14	10	12	2.8	332	-9.5	67	994.0
03/12/2022	00:45:00 - 01:00:00	39	17	14	11	12	2.5	338	-9.6	66	994.2
03/12/2022	01:00:00 - 01:15:00	40	18	14	10	11	2.1	336	-9.7	67	994.2
03/12/2022	01:15:00 - 01:30:00	39	18	14	10	12	2.4	333	-9.9	67	994.3
03/12/2022	01:30:00 - 01:45:00	39	18	14	11	12	2.3	329	-10.0	67	994.4
03/12/2022	01:45:00 - 02:00:00	40	19	14	10	12	2.4	331	-10.1	68	994.5
03/12/2022	02:00:00 - 02:15:00	39	18	14	11	13	2.7	327	-10.2	68	994.4
03/12/2022	02:15:00 - 02:30:00	40	19	14	11	13	2.7	324	-10.3	69	994.3
03/12/2022	02:30:00 - 02:45:00	40	18	15	11	13	2.3	329	-10.4	69	994.2
03/12/2022	02:45:00 - 03:00:00	40	19	14	11	13	2.7	322	-10.6	71	994.2
03/12/2022	03:00:00 - 03:15:00	40	18	14	11	12	2.6	326	-10.7	71	994.2
03/12/2022	03:15:00 - 03:30:00	40	19	14	11	12	2.7	326	-10.8	71	994.2
03/12/2022	03:30:00 - 03:45:00	40	19	14	11	12	2.6	332	-10.9	71	994.3
03/12/2022	03:45:00 - 04:00:00	40	20	14	11	12	2.5	321	-11.1	72	994.4
03/12/2022	04:00:00 - 04:15:00	40	19	14	11	12	2.6	325	-11.2	73	994.5
03/12/2022	04:15:00 - 04:30:00	40	19	14	11	11	2.7	326	-11.3	73	994.7
03/12/2022	04:30:00 - 04:45:00	40	18	14	11	11	2.6	329	-11.5	73	994.8
03/12/2022	04:45:00 - 05:00:00	40	18	14	11	11	2.7	320	-11.6	73	995.0
03/12/2022	05:00:00 - 05:15:00	40	19	14	10	12	2.6	318	-11.7	74	995.2
03/12/2022	05:15:00 - 05:30:00	40	19	14	10	12	2.8	319	-11.8	73	995.4

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

## Appendix A: Complete Preliminary Data Record

Date	Timestamp (CST)	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]
03/12/2022	05:30:00 - 05:45:00	40	18	14	10	12	2.5	324	-11.9	73	995.5
03/12/2022	05:45:00 - 06:00:00	40	18	14	10	11	2.2	326	-12.0	73	995.7
03/12/2022	06:00:00 - 06:15:00	40	18	14	10	12	2.6	322	-12.0	73	995.9
03/12/2022	06:15:00 - 06:30:00	40	18	14	10	11	2.7	320	-12.1	73	996.2
03/12/2022	06:30:00 - 06:45:00	40	18	13	10	11	2.8	313	-11.8	71	996.5
03/12/2022	06:45:00 - 07:00:00	39	18	13	9	11	2.8	316	-11.6	69	996.6
03/12/2022	07:00:00 - 07:15:00	39	18	13	9	10	2.9	312	-11.6	69	996.7
03/12/2022	07:15:00 - 07:30:00	39	16	13	8	10	2.9	329	-11.1	68	996.9
03/12/2022	07:30:00 - 07:45:00	39	17	13	9	9	2.9	318	-11.0	67	997.0
03/12/2022	07:45:00 - 08:00:00	39	16	12	8	9	3.0	313	-10.7	66	997.1
03/12/2022	08:00:00 - 08:15:00	38	16	12	8	8	3.0	312	-10.6	65	997.2
03/12/2022	08:15:00 - 08:30:00	38	13	12	7	8	3.0	320	-10.3	64	997.3
03/12/2022	08:30:00 - 08:45:00	38	14	11	7	8	3.1	315	-10.2	64	997.2
03/12/2022	08:45:00 - 09:00:00	38	13	11	7	8	2.5	316	-10.0	64	997.2
03/12/2022	09:00:00 - 09:15:00	37	12	11	7	8	2.8	317	-9.6	63	997.4
03/12/2022	09:15:00 - 09:30:00	37	12	11	7	9	3.0	310	-9.4	62	997.5
03/12/2022	09:30:00 - 09:45:00	38	11	13	7	14	2.9	313	-9.2	61	997.5
03/12/2022	09:45:00 - 10:00:00	37	10	11	6	9	2.7	314	-9.0	60	997.5
03/12/2022	10:00:00 - 10:15:00	36	11	10	6	9	2.6	307	-8.8	60	997.5
03/12/2022	10:15:00 - 10:30:00	36	8	10	6	10	2.6	311	-8.6	60	997.5
03/12/2022	10:30:00 - 10:45:00	36	7	10	6	10	2.1	302	-8.1	59	997.7
03/12/2022	10:45:00 - 11:00:00	36	6	10	6	9	2.2	308	-7.7	57	997.8
03/12/2022	11:00:00 - 11:15:00	35	6	9	6	10	2.6	307	-7.7	56	997.7
03/12/2022	11:15:00 - 11:30:00	36	6	10	6	10	2.7	322	-7.4	54	997.8
03/12/2022	11:30:00 - 11:45:00	36	8	10	6	10	2.4	311	-7.4	58	997.6
03/12/2022	11:45:00 - 12:00:00	36	7	9	6	10	1.9	298	-6.7	55	997.5
03/12/2022	12:00:00 - 12:15:00	35	6	9	6	9	2.5	299	-6.9	53	997.4
03/12/2022	12:15:00 - 12:30:00	36	6	9	6	10	2.3	304	-6.8	53	997.2
03/12/2022	12:30:00 - 12:45:00	36	6	9	6	11	2.1	298	-6.5	54	997.0
03/12/2022	12:45:00 - 13:00:00	35	6	9	6	10	2.1	298	-6.1	53	996.9
03/12/2022	13:00:00 - 13:15:00	36	7	9	6	11	2.3	288	-6.7	52	996.8
03/12/2022	13:15:00 - 13:30:00	36	7	9	6	11	2.7	304	-6.5	53	996.6
03/12/2022	13:30:00 - 13:45:00	35	6	9	6	11	3.3	301	-6.5	53	996.6
03/12/2022	13:45:00 - 14:00:00	36	6	9	6	11	2.4	308	-6.1	52	996.6
03/12/2022	14:00:00 - 14:15:00	36	6	10	7	12	2.0	305	-5.7	53	996.5
03/12/2022	14:15:00 - 14:30:00	36	7	9	6	11	2.4	312	-5.7	53	996.5
03/12/2022	14:30:00 - 14:45:00	36	6	10	6	12	2.0	301	-5.8	52	996.5
03/12/2022	14:45:00 - 15:00:00	36	9	9	6	11	2.2	294	-5.7	52	996.5
03/12/2022	15:00:00 - 15:15:00	36	9	10	7	11	2.1	304	-5.3	54	996.6
03/12/2022	15:15:00 - 15:30:00	36	8	10	7	11	2.6	297	-5.4	54	996.6
03/12/2022	15:30:00 - 15:45:00	36	9	10	7	10	2.3	301	-5.7	54	996.7
03/12/2022	15:45:00 - 16:00:00	36	8	10	7	9	2.3	295	-5.9	55	996.7
03/12/2022	16:00:00 - 16:15:00	35	9	10	6	8	1.8	290	-5.9	56	996.6
03/12/2022	16:15:00 - 16:30:00	36	10	10	6	7	1.9	311	-5.7	55	996.4
03/12/2022	16:30:00 - 16:45:00	36	11	9	6	6	1.7	303	-6.0	56	996.5
03/12/2022	16:45:00 - 17:00:00	36	13	9	6	6	2.5	301	-6.0	56	996.6
03/12/2022	17:00:00 - 17:15:00	36	11	9	6	6	1.9	296	-6.1	57	996.5
03/12/2022	17:15:00 - 17:30:00	37	12	10	7	7	1.5	288	-6.3	58	996.4
03/12/2022	17:30:00 - 17:45:00	37	14	10	6	7	1.5	305	-6.5	58	996.3
03/12/2022	17:45:00 - 18:00:00	37	17	11	7	8	1.5	296	-6.8	59	996.2
03/12/2022	18:00:00 - 18:15:00	38	15	12	9	10	1.2	294	-6.9	60	996.1
03/12/2022	18:15:00 - 18:30:00	38	12	11	8	9	0.8	280	-7.0	61	996.1
03/12/2022	18:30:00 - 18:45:00	37	14	11	8	8	0.8	293	-7.1	62	996.1
03/12/2022	18:45:00 - 19:00:00	38	13	11	8	9	0.8	291	-7.2	63	996.2
03/12/2022	19:00:00 - 19:15:00	38	13	11	8	9	0.8	280	-7.2	64	996.2
03/12/2022	19:15:00 - 19:30:00	38	15	11	9	9	0.7	291	-7.3	65	996.1
03/12/2022	19:30:00 - 19:45:00	38	13	11	8	10	0.5	272	-7.4	66	996.1
03/12/2022	19:45:00 - 20:00:00	38	14	12	9	10	0.5	275	-7.5	67	996.0
03/12/2022	20:00:00 - 20:15:00	38	15	13	10	12	0.4	261	-7.5	67	996.1
03/12/2022	20:15:00 - 20:30:00	39	16	14	10	13	0.4	309	-7.6	68	996.1
03/12/2022	20:30:00 - 20:45:00	39	16	14	11	13	0.5	238	-7.5	67	996.1
03/12/2022	20:45:00 - 21:00:00	39	17	14	11	13	0.5	255	-7.5	67	995.9

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CST)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [µg/m <sup>3</sup> ]	Average Conc. [µg/m <sup>3</sup> ]	Average Conc. [µg/m <sup>3</sup> ]	Average Conc. [µg/m <sup>3</sup> ]	Average Conc. [µg/m <sup>3</sup> ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [° Celcius]	Relative Humidity [%]	Barometric Pressure [mb]
03/12/2022	21:00:00 - 21:15:00	40	19	16	12	16	0.5	247	-7.6	69	995.9
03/12/2022	21:15:00 - 21:30:00	39	17	14	11	13	0.7	231	-7.5	69	995.7
03/12/2022	21:30:00 - 21:45:00	38	15	13	10	11	0.6	208	-7.3	69	995.6
03/12/2022	21:45:00 - 22:00:00	39	16	13	10	12	0.6	215	-7.3	71	995.5
03/12/2022	22:00:00 - 22:15:00	38	15	13	10	12	0.6	212	-7.1	71	995.3
03/12/2022	22:15:00 - 22:30:00	38	15	13	10	12	0.2	157	-7.1	72	995.1
03/12/2022	22:30:00 - 22:45:00	38	15	13	10	12	0.6	190	-6.9	72	995.1
03/12/2022	22:45:00 - 23:00:00	38	14	13	9	11	0.5	186	-6.6	71	995.0
03/12/2022	23:00:00 - 23:15:00	38	14	12	9	10	0.7	195	-6.6	72	994.8
03/12/2022	23:15:00 - 23:30:00	38	14	12	10	10	0.4	213	-6.6	74	994.5
03/12/2022	23:30:00 - 23:45:00	38	14	13	10	11	0.4	205	-6.7	76	994.3
03/12/2022	23:45:00 - 00:00:00	39	16	14	11	13	0.5	176	-6.6	76	993.9
03/13/2022	00:00:00 - 00:15:00	38	15	14	11	12	0.6	185	-6.6	76	993.7
03/13/2022	00:15:00 - 00:30:00	38	13	13	10	11	0.7	194	-6.5	77	993.5
03/13/2022	00:30:00 - 00:45:00	38	12	12	9	11	0.6	175	-6.3	76	993.2
03/13/2022	00:45:00 - 01:00:00	37	12	12	9	10	0.6	172	-6.2	76	993.0
03/13/2022	01:00:00 - 01:15:00	37	11	12	8	10	0.6	171	-6.0	76	992.7
03/13/2022	01:15:00 - 01:30:00	37	12	12	9	10	0.5	155	-5.7	74	992.5
03/13/2022	01:30:00 - 01:45:00	38	13	12	9	10	0.9	179	-5.5	73	992.1
03/13/2022	01:45:00 - 02:00:00	38	13	13	10	11	0.7	180	-5.3	72	991.8
03/13/2022	02:00:00 - 02:15:00	Daylight Saving Time Adjustment									
03/13/2022	02:15:00 - 02:30:00	Daylight Saving Time Adjustment									
03/13/2022	02:30:00 - 02:45:00	Daylight Saving Time Adjustment									
03/13/2022	02:45:00 - 03:00:00	Daylight Saving Time Adjustment									

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM					Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
03/13/2022	03:00:00 - 03:15:00	38	12	12	9	11	1.0	249	13.3	89	984.3
03/13/2022	03:15:00 - 03:30:00	37	12	12	9	11	1.6	259	13.4	85	984.4
03/13/2022	03:30:00 - 03:45:00	37	11	12	9	11	2.2	277	12.9	83	984.7
03/13/2022	03:45:00 - 04:00:00	37	10	12	9	10	2.0	288	11.5	77	985.1
03/13/2022	04:00:00 - 04:15:00	37	11	12	9	10	1.9	277	10.4	74	985.5
03/13/2022	04:15:00 - 04:30:00	37	11	12	9	10	1.6	285	9.6	78	985.8
03/13/2022	04:30:00 - 04:45:00	37	10	11	9	10	2.2	289	9.0	82	986.2
03/13/2022	04:45:00 - 05:00:00	37	9	11	8	10	1.4	279	8.3	83	986.6
03/13/2022	05:00:00 - 05:15:00	36	9	11	8	11	2.8	286	7.4	82	987.1
03/13/2022	05:15:00 - 05:30:00	36	9	11	8	10	2.6	281	6.7	81	987.3
03/13/2022	05:30:00 - 05:45:00	36	8	11	8	10	1.7	280	6.3	81	987.7
03/13/2022	05:45:00 - 06:00:00	36	7	11	7	10	2.4	278	6.0	81	987.9
03/13/2022	06:00:00 - 06:15:00	36	7	11	7	11	1.7	273	5.6	81	988.0
03/13/2022	06:15:00 - 06:30:00	36	7	11	7	11	2.1	275	5.2	82	988.0
03/13/2022	06:30:00 - 06:45:00	36	7	11	7	10	1.6	277	5.0	83	988.3
03/13/2022	06:45:00 - 07:00:00	36	7	11	7	10	1.4	267	5.0	82	988.8
03/13/2022	07:00:00 - 07:15:00	36	7	11	7	11	2.2	284	4.9	82	988.9
03/13/2022	07:15:00 - 07:30:00	36	8	11	8	11	1.8	278	4.9	82	989.4
03/13/2022	07:30:00 - 07:45:00	36	8	12	8	11	2.0	279	5.3	81	989.8
03/13/2022	07:45:00 - 08:00:00	36	8	11	8	11	1.6	263	5.2	81	990.1
03/13/2022	08:00:00 - 08:15:00	36	8	12	8	13	1.7	290	5.3	81	990.1
03/13/2022	08:15:00 - 08:30:00	36	8	11	8	13	2.3	297	5.0	82	990.4
03/13/2022	08:30:00 - 08:45:00	36	8	12	8	14	1.3	277	5.7	80	990.6
03/13/2022	08:45:00 - 09:00:00	36	8	12	9	15	2.0	299	5.5	80	990.8
03/13/2022	09:00:00 - 09:15:00	37	9	12	9	15	2.1	279	5.7	78	991.1
03/13/2022	09:15:00 - 09:30:00	37	8	12	9	17	1.8	277	5.8	77	991.3
03/13/2022	09:30:00 - 09:45:00	37	10	12	9	17	2.2	295	6.2	75	991.5
03/13/2022	09:45:00 - 10:00:00	37	11	12	10	18	1.7	284	6.0	76	991.8
03/13/2022	10:00:00 - 10:15:00	38	10	13	10	18	2.1	289	5.9	76	991.9
03/13/2022	10:15:00 - 10:30:00	38	12	13	10	19	2.1	301	5.8	76	992.1
03/13/2022	10:30:00 - 10:45:00	38	12	13	11	19	2.4	300	5.9	76	992.2
03/13/2022	10:45:00 - 11:00:00	38	12	13	11	20	1.9	293	6.3	75	992.1
03/13/2022	11:00:00 - 11:15:00	38	13	13	12	21	1.8	280	6.6	74	992.0
03/13/2022	11:15:00 - 11:30:00	39	14	13	12	21	1.6	274	7.0	73	992.0
03/13/2022	11:30:00 - 11:45:00	38	13	13	12	22	2.3	293	6.8	72	991.9
03/13/2022	11:45:00 - 12:00:00	39	14	13	12	22	2.2	293	7.3	72	991.9
03/13/2022	12:00:00 - 12:15:00	39	13	13	12	22	2.1	295	7.6	71	992.0
03/13/2022	12:15:00 - 12:30:00	38	15	12	12	22	2.0	287	7.9	69	991.9
03/13/2022	12:30:00 - 12:45:00	39	15	12	12	22	2.0	296	8.3	69	991.8
03/13/2022	12:45:00 - 13:00:00	39	14	12	12	23	1.8	302	8.5	69	991.6
03/13/2022	13:00:00 - 13:15:00	38	13	12	12	22	1.9	293	8.7	68	991.5
03/13/2022	13:15:00 - 13:30:00	38	12	12	12	22	1.7	301	9.3	68	991.4
03/13/2022	13:30:00 - 13:45:00	38	12	12	12	22	1.6	307	9.4	66	991.5
03/13/2022	13:45:00 - 14:00:00	38	13	11	12	22	1.8	304	9.6	65	991.7
03/13/2022	14:00:00 - 14:15:00	38	13	11	12	21	2.7	309	9.4	65	991.6
03/13/2022	14:15:00 - 14:30:00	38	11	11	11	20	2.3	298	9.5	65	991.4
03/13/2022	14:30:00 - 14:45:00	38	12	11	11	21	1.9	319	9.9	64	991.4
03/13/2022	14:45:00 - 15:00:00	38	10	10	11	19	1.9	321	10.1	63	991.3
03/13/2022	15:00:00 - 15:15:00	38	9	9	10	18	1.8	327	10.3	63	991.4
03/13/2022	15:15:00 - 15:30:00	37	9	9	10	17	1.4	325	10.2	63	991.0
03/13/2022	15:30:00 - 15:45:00	37	8	8	9	16	1.5	344	10.5	62	990.8
03/13/2022	15:45:00 - 16:00:00	37	8	8	9	16	1.1	340	10.3	62	990.8
03/13/2022	16:00:00 - 16:15:00	37	6	7	8	16	1.0	354	10.2	63	990.7
03/13/2022	16:15:00 - 16:30:00	36	4	7	8	14	1.0	348	9.8	65	990.6
03/13/2022	16:30:00 - 16:45:00	36	5	6	7	15	0.8	340	9.8	64	990.6
03/13/2022	16:45:00 - 17:00:00	36	4	7	7	15	0.5	355	9.6	63	990.9
03/13/2022	17:00:00 - 17:15:00	36	3	6	7	14	0.9	20	9.4	64	990.8
03/13/2022	17:15:00 - 17:30:00	36	2	6	7	14	0.8	28	8.7	65	991.1
03/13/2022	17:30:00 - 17:45:00	36	5	7	8	15	0.8	39	8.1	67	991.1
03/13/2022	17:45:00 - 18:00:00	37	7	9	9	18	0.7	51	7.8	68	990.6
03/13/2022	18:00:00 - 18:15:00	37	8	10	10	19	0.8	48	7.6	69	990.2
03/13/2022	18:15:00 - 18:30:00	37	9	11	10	20	1.3	43	7.4	71	990.0

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM					Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
03/13/2022	18:30:00 - 18:45:00	37	10	11	11	20	1.3	39	6.8	75	989.5
03/13/2022	18:45:00 - 19:00:00	38	12	12	12	22	1.5	34	6.2	78	989.0
03/13/2022	19:00:00 - 19:15:00	38	13	13	13	23	1.3	41	5.9	79	988.8
03/13/2022	19:15:00 - 19:30:00	39	15	14	14	24	1.6	55	5.6	80	988.4
03/13/2022	19:30:00 - 19:45:00	39	16	16	15	25	1.6	40	5.5	81	988.4
03/13/2022	19:45:00 - 20:00:00	39	21	17	22	26	1.5	53	5.4	80	988.7
03/13/2022	20:00:00 - 20:15:00	40	25	19	36	35	2.0	53	5.3	79	987.9
03/13/2022	20:15:00 - 20:30:00	41	30	21	31	35	1.2	51	5.2	80	988.0
03/13/2022	20:30:00 - 20:45:00	41	24	21	21	31	1.2	37	4.9	84	988.1
03/13/2022	20:45:00 - 21:00:00	38	17	15	13	22	1.1	38	4.4	89	987.9
03/13/2022	21:00:00 - 21:15:00	38	13	14	13	22	1.8	34	3.8	93	987.6
03/13/2022	21:15:00 - 21:30:00	37	14	14	13	22	1.7	29	3.5	96	987.4
03/13/2022	21:30:00 - 21:45:00	38	15	15	13	22	13.1	120	3.4	97	987.3
03/13/2022	21:45:00 - 22:00:00	37	13	14	12	21	21.7	123	3.3	98	986.8
03/13/2022	22:00:00 - 22:15:00	37	11	13	11	20	21.4	124	3.2	99	986.9
03/13/2022	22:15:00 - 22:30:00	37	12	13	11	20	21.3	123	3.2	99	987.1
03/13/2022	22:30:00 - 22:45:00	37	12	13	11	20	8.7	110	2.9	100	986.2
03/13/2022	22:45:00 - 23:00:00	37	12	13	12	20	3.2	50	2.6	100	985.2
03/14/2022	23:00:00 - 23:15:00	37	11	13	11	20	2.8	65	2.4	100	985.4
03/14/2022	23:15:00 - 23:30:00	36	11	13	10	19	4.1	53	2.2	100	984.6
03/14/2022	23:30:00 - 23:45:00	36	10	12	10	18	2.5	55	2.2	100	984.8
03/14/2022	23:45:00 - 00:00:00	36	10	12	10	19	2.1	49	2.1	100	984.1
03/14/2022	00:00:00 - 00:15:00	36	10	12	10	18	2.2	38	2.0	100	984.0
03/14/2022	00:15:00 - 00:30:00	36	10	12	10	18	2.1	34	2.0	100	983.7
03/14/2022	00:30:00 - 00:45:00	36	10	12	10	18	2.6	32	2.0	100	983.0
03/14/2022	00:45:00 - 01:00:00	36	10	13	11	18	3.0	40	1.9	100	982.1
03/14/2022	01:00:00 - 01:15:00	36	10	13	10	18	3.0	47	2.0	100	981.8
03/14/2022	01:15:00 - 01:30:00	36	10	13	10	19	2.2	18	2.1	100	982.5
03/14/2022	01:30:00 - 01:45:00	36	10	13	10	19	1.5	14	2.2	100	983.4
03/14/2022	01:45:00 - 02:00:00	36	10	13	11	20	1.5	26	2.1	100	983.2
03/14/2022	02:00:00 - 02:15:00	36	11	13	11	19	1.8	38	2.0	100	982.6
03/14/2022	02:15:00 - 02:30:00	37	11	13	11	19	1.9	40	2.0	100	982.6
03/14/2022	02:30:00 - 02:45:00	37	12	13	11	19	1.9	55	2.0	100	982.8
03/14/2022	02:45:00 - 03:00:00	37	11	14	12	19	1.9	51	1.9	100	982.1
03/14/2022	03:00:00 - 03:15:00	37	11	14	12	19	1.9	33	1.9	100	982.1
03/14/2022	03:15:00 - 03:30:00	37	11	14	11	19	1.8	29	1.8	100	981.9
03/14/2022	03:30:00 - 03:45:00	36	11	13	11	19	1.4	39	1.9	100	982.2
03/14/2022	03:45:00 - 04:00:00	36	10	14	11	19	1.7	45	1.8	100	981.8
03/14/2022	04:00:00 - 04:15:00	36	11	13	11	19	1.7	45	1.7	100	981.3
03/14/2022	04:15:00 - 04:30:00	36	11	13	11	19	2.1	51	1.6	99	981.0
03/14/2022	04:30:00 - 04:45:00	36	12	13	11	19	1.6	50	1.6	99	981.1
03/14/2022	04:45:00 - 05:00:00	36	12	13	11	19	1.4	46	1.7	99	981.9
03/14/2022	05:00:00 - 05:15:00	36	11	13	10	18	0.9	36	1.8	99	982.1
03/14/2022	05:15:00 - 05:30:00	36	10	13	11	18	1.1	23	1.8	99	981.9
03/14/2022	05:30:00 - 05:45:00	36	10	13	10	18	1.3	19	1.6	99	982.4
03/14/2022	05:45:00 - 06:00:00	36	10	13	11	19	1.4	10.1	1.7	99.0	983.2
03/14/2022	06:00:00 - 06:15:00	36	10	13	11	18	1.8	351.9	1.6	99.2	983.2
03/14/2022	06:15:00 - 06:30:00	36	9	13	11	18	1.4	7.8	1.5	99.8	983.6
03/14/2022	06:30:00 - 06:45:00	36	10	13	11	19	1.3	14.6	1.5	99.9	983.9
03/14/2022	06:45:00 - 07:00:00	36	10	13	11	19	1.6	340.1	1.5	99.8	984.3
03/14/2022	07:00:00 - 07:15:00	36	11	14	16	19	1.9	337.0	1.5	99.8	984.5
03/14/2022	07:15:00 - 07:30:00	36	11	14	13	19	1.6	346.1	1.6	99.1	984.9
03/14/2022	07:30:00 - 07:45:00	36	10	14	12	19	1.7	320.1	1.4	99.0	985.4
03/14/2022	07:45:00 - 08:00:00	36	10	13	12	19	1.8	337.9	1.4	99.0	985.7
03/14/2022	08:00:00 - 08:15:00	36	9	12	11	18	1.8	323.7	1.4	98.6	986.0
03/14/2022	08:15:00 - 08:30:00	36	9	12	11	17	1.8	329.5	1.4	98.0	986.4
03/14/2022	08:30:00 - 08:45:00	35	9	11	10	17	2.0	315.2	1.2	98.0	986.8
03/14/2022	08:45:00 - 09:00:00	35	8	11	9	17	1.9	332.9	1.2	97.1	986.7
03/14/2022	09:00:00 - 09:15:00	35	7	10	9	16	1.8	339.8	1.4	96.0	986.7
03/14/2022	09:15:00 - 09:30:00	35	7	9	8	16	2.1	332.8	1.5	94.3	986.8
03/14/2022	09:30:00 - 09:45:00	35	7	9	8	17	2.2	337.5	1.5	93.0	986.9
03/14/2022	09:45:00 - 10:00:00	36	7	10	8	17	1.9	325.6	1.5	92.5	987.4

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Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM					Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
03/14/2022	10:00:00 - 10:15:00	36	8	9	8	16	2.0	312.6	1.5	91.1	988.1
03/14/2022	10:15:00 - 10:30:00	35	7	8	8	14	2.5	312.2	1.3	90.5	988.6
03/14/2022	10:30:00 - 10:45:00	35	6	9	7	13	2.0	317.8	1.3	90.1	989.0
03/14/2022	10:45:00 - 11:00:00	38	5	8	8	14	2.3	314.4	1.2	89.7	989.3
03/14/2022	11:00:00 - 11:15:00	35	4	7	9	14	2.4	311.9	1.3	89.0	989.5
03/14/2022	11:15:00 - 11:30:00	36	5	8	8	12	2.3	316.3	1.4	87.9	989.6
03/14/2022	11:30:00 - 11:45:00	38	8	10	8	12	2.3	316	1.4	88	989.8
03/14/2022	11:45:00 - 12:00:00	36	6	8	8	12	2.1	322	1.4	87	990.1
03/14/2022	12:00:00 - 12:15:00	36	7	8	8	12	2.5	311	1.5	85	990.3
03/14/2022	12:15:00 - 12:30:00	39	10	15	11	16	2.3	305	1.6	84	990.3
03/14/2022	12:30:00 - 12:45:00	38	11	12	12	16	2.2	314	1.8	82	990.5
03/14/2022	12:45:00 - 13:00:00	37	10	9	10	12	2.6	310	1.9	81	990.6
03/14/2022	13:00:00 - 13:15:00	37	9	10	12	10	2.6	326	1.8	81	990.8
03/14/2022	13:15:00 - 13:30:00	39	13	14	14	10	2.2	320	1.7	82	990.9
03/14/2022	13:30:00 - 13:45:00	37	10	9	10	9	2.4	325	1.7	81	991.1
03/14/2022	13:45:00 - 14:00:00	22	9	9	11	7	1.3	323	1.9	82	991.3
03/14/2022	14:00:00 - 14:15:00	3	9	9	12	6	2.8	323	1.8	79	991.5
03/14/2022	14:15:00 - 14:30:00	4	12	10	12	6	2.1	331	1.9	78	991.8
03/14/2022	14:30:00 - 14:45:00	3	10	9	12	5	2.7	316	1.8	77	991.9
03/14/2022	14:45:00 - 15:00:00	3	8	8	9	5	2.6	314	1.8	77	992.1
03/14/2022	15:00:00 - 15:15:00	3	7	8	10	5	2.3	309	1.6	78	992.4
03/14/2022	15:15:00 - 15:30:00	3	8	7	9	4	2.3	305	1.5	78	992.7
03/14/2022	15:30:00 - 15:45:00	2	7	7	8	4	2.2	315	1.5	77	993.0
03/14/2022	15:45:00 - 16:00:00	2	6	7	8	3	2.8	306	1.4	78	993.3
03/14/2022	16:00:00 - 16:15:00	2	6	6	7	3	2.5	310	1.4	77	993.5
03/14/2022	16:15:00 - 16:30:00	2	6	6	7	3	1.7	312	1.4	77	993.8
03/14/2022	16:30:00 - 16:45:00	2	4	6	7	2	2.1	318	1.3	76	994.0
03/14/2022	16:45:00 - 17:00:00	2	5	7	8	4	1.7	327	1.3	75	994.2
03/14/2022	17:00:00 - 17:15:00	4	6	11	8	5	1.6	331	1.1	77	994.4
03/14/2022	17:15:00 - 17:30:00	2	6	9	8	4	1.8	305	0.9	76	994.6
03/14/2022	17:30:00 - 17:45:00	2	7	9	8	6	1.6	313	0.8	74	994.9
03/14/2022	17:45:00 - 18:00:00	3	8	10	10	7	1.9	312	0.6	73	995.1
03/14/2022	18:00:00 - 18:15:00	3	8	10	10	7	1.7	332	0.5	75	995.4
03/14/2022	18:15:00 - 18:30:00	2	6	9	9	6	1.5	328	0.4	75	995.7
03/14/2022	18:30:00 - 18:45:00	2	7	9	9	8	1.2	323	0.4	75	996.0
03/14/2022	18:45:00 - 19:00:00	2	7	9	10	7	1.6	323	0.3	76	996.2
03/14/2022	19:00:00 - 19:15:00	2	8	10	12	10	1.8	303	0.0	82	996.4
03/14/2022	19:15:00 - 19:30:00	2	8	10	11	8	1.5	293	0.0	82	996.6
03/14/2022	19:30:00 - 19:45:00	3	10	11	12	11	2.1	292	-0.3	81	996.7
03/14/2022	19:45:00 - 20:00:00	4	12	13	12	11	1.7	294	-0.5	81	996.8
03/14/2022	20:00:00 - 20:15:00	4	13	13	13	11	1.9	296	-0.5	81	996.8
03/14/2022	20:15:00 - 20:30:00	3	11	12	12	10	2.0	298	-0.7	81	996.9
03/14/2022	20:30:00 - 20:45:00	3	12	13	12	11	2.0	298	-0.9	81	997.1
03/14/2022	20:45:00 - 21:00:00	4	13	13	13	11	1.5	290	-1.0	80	997.2
03/14/2022	21:00:00 - 21:15:00	3	12	13	12	10	2.3	297	-1.1	79	997.5
03/14/2022	21:15:00 - 21:30:00	4	13	14	13	12	1.6	293	-1.2	80	997.6
03/14/2022	21:30:00 - 21:45:00	3	12	12	12	10	1.1	309	-1.3	80	997.8
03/14/2022	21:45:00 - 22:00:00	3	12	12	12	10	1.2	314	-1.3	80	997.9
03/14/2022	22:00:00 - 22:15:00	3	12	13	12	10	1.3	317	-1.5	80	997.9
03/14/2022	22:15:00 - 22:30:00	3	12	13	12	10	1.5	305	-1.7	79	997.8
03/14/2022	22:30:00 - 22:45:00	4	12	13	12	11	1.2	316	-1.8	79	998.0
03/14/2022	22:45:00 - 23:00:00	4	12	13	13	11	1.1	317	-1.8	80	997.9
03/15/2022	23:00:00 - 23:15:00	4	13	14	13	12	1.3	303	-1.9	80	997.8
03/15/2022	23:15:00 - 23:30:00	4	14	14	14	13	1.2	314	-1.9	78	997.8
03/15/2022	23:30:00 - 23:45:00	4	15	14	14	13	1.2	318	-1.9	78	997.8
03/15/2022	23:45:00 - 00:00:00	4	14	14	14	13	0.9	328	-1.8	78	997.8
03/15/2022	00:00:00 - 00:15:00	4	14	14	13	12	0.9	320	-1.9	78	997.8
03/15/2022	00:15:00 - 00:30:00	4	13	14	13	12	0.9	317	-1.9	78	997.8
03/15/2022	00:30:00 - 00:45:00	4	13	14	13	12	0.9	322	-1.9	77	997.9
03/15/2022	00:45:00 - 01:00:00	4	13	14	13	11	1.0	329	-1.9	77	997.9
03/15/2022	01:00:00 - 01:15:00	4	13	14	13	12	0.8	330	-1.8	76	997.9
03/15/2022	01:15:00 - 01:30:00	4	13	14	13	12	0.7	331	-1.9	76	997.9

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM					Meteorological Station				
		Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Average Conc. [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [ $^{\circ}\text{Celsius}$ ]	Relative Humidity [%]	Barometric Pressure [mb]
03/15/2022	01:30:00 - 01:45:00	4	13	14	13	12	0.7	326	-1.9	76	997.8
03/15/2022	01:45:00 - 02:00:00	4	13	14	13	12	0.9	325	-2.0	76	997.7
03/15/2022	02:00:00 - 02:15:00	4	14	15	14	13	0.8	354	-1.8	76	997.6
03/15/2022	02:15:00 - 02:30:00	4	15	15	14	13	0.9	337	-1.8	76	997.6
03/15/2022	02:30:00 - 02:45:00	4	15	15	14	13	1.2	332	-2.1	76	997.8
03/15/2022	02:45:00 - 03:00:00	4	15	15	14	14	0.6	358	-2.1	75	997.8
03/15/2022	03:00:00 - 03:15:00	4	14	15	15	14	0.6	358	-2.0	75	997.7
03/15/2022	03:15:00 - 03:30:00	4	14	15	14	14	0.6	12	-2.0	76	997.6
03/15/2022	03:30:00 - 03:45:00	4	15	16	15	15	0.8	17	-2.0	75	997.4
03/15/2022	03:45:00 - 04:00:00	4	15	16	15	15	0.6	1	-2.0	75	997.4
03/15/2022	04:00:00 - 04:15:00	4	15	16	16	15	0.5	309	-2.2	74	997.4
03/15/2022	04:15:00 - 04:30:00	5	16	17	16	16	0.6	48	-2.2	75	997.4
03/15/2022	04:30:00 - 04:45:00	5	17	17	17	17	0.4	89	-2.3	75	997.4
03/15/2022	04:45:00 - 05:00:00	5	16	16	16	16	0.5	1	-2.1	75	997.6
03/15/2022	05:00:00 - 05:15:00	5	16	17	16	16	0.5	351	-2.1	75	997.6
03/15/2022	05:15:00 - 05:30:00	5	17	17	17	18	0.5	15	-2.0	75	997.5
03/15/2022	05:30:00 - 05:45:00	5	17	18	17	18	0.1	356	-2.2	75	997.5
03/15/2022	05:45:00 - 06:00:00	5	17	18	18	19	0.2	236	-2.6	75	997.6
03/15/2022	06:00:00 - 06:15:00	6	18	19	19	19	0.3	210	-2.8	76	997.8
03/15/2022	06:15:00 - 06:30:00	6	19	20	21	20	0.1	354	-2.8	77	997.9
03/15/2022	06:30:00 - 06:45:00	6	20	20	22	21	0.2	186	-2.9	78	997.9
03/15/2022	06:45:00 - 07:00:00	6	21	21	22	22	0.4	152	-2.7	77	997.9
03/15/2022	07:00:00 - 07:15:00	7	23	22	22	23	0.5	147	-2.5	76	997.8
03/15/2022	07:15:00 - 07:30:00	7	23	22	23	24	0.4	190	-2.1	75	997.7
03/15/2022	07:30:00 - 07:45:00	6	21	21	22	22	0.2	221	-1.5	74	997.8
03/15/2022	07:45:00 - 08:00:00	6	22	20	21	22	0.6	177	-1.8	73	997.9
03/15/2022	08:00:00 - 08:15:00	6	21	20	18	19	1.1	113	-1.7	74	998.0
03/15/2022	08:15:00 - 08:30:00	6	22	18	17	16	1.0	129	-1.3	73	998.0
03/15/2022	08:30:00 - 08:45:00	5	17	16	15	14	1.1	141	-0.8	72	998.0
03/15/2022	08:45:00 - 09:00:00	4	17	16	14	13	1.3	124	-0.2	70	998.0
03/15/2022	09:00:00 - 09:15:00	5	15	15	15	13	0.9	154	-0.3	70	998.1
03/15/2022	09:15:00 - 09:30:00	5	16	16	16	14	1.2	136	0.1	70	998.3
03/15/2022	09:30:00 - 09:45:00	5	19	17	18	17	1.2	139	0.0	69	998.3
03/15/2022	09:45:00 - 10:00:00	5	18	17	16	17	1.6	126	-0.2	69	998.3
03/15/2022	10:00:00 - 10:15:00	5	19	17	16	18	0.9	166	0.1	69	998.2
03/15/2022	10:15:00 - 10:30:00	11	17	35	15	17	0.9	181	-0.1	69	998.0
03/15/2022	10:30:00 - 10:45:00	11	18	30	15	20	1.3	197	-0.1	69	997.7
03/15/2022	10:45:00 - 11:00:00	14	18	36	16	19	0.5	200	0.8	68	997.6
03/15/2022	11:00:00 - 11:15:00	8	19	23	16	19	0.1	308	1.1	66	997.5
03/15/2022	11:15:00 - 11:30:00	8	17	24	16	19	0.8	152	1.6	65	997.2
03/15/2022	11:30:00 - 11:45:00	7	18	17	16	20	1.3	139	2.0	62	997.0
03/15/2022	11:45:00 - 12:00:00	9	18	25	16	19	1.1	122	2.5	62	996.8
03/15/2022	12:00:00 - 12:15:00	16	16	37	15	18	0.4	248	2.6	62	996.5
03/15/2022	12:15:00 - 12:30:00	8	16	21	15	18	1.0	190	3.1	60	996.0
03/15/2022	12:30:00 - 12:45:00	8	16	18	15	18	0.8	142	3.1	61	995.5
03/15/2022	12:45:00 - 13:00:00	6	16	15	15	18	0.3	355	3.8	59	995.2
03/15/2022	13:00:00 - 13:15:00	7	15	17	15	17	0.5	244	4.1	57	995.0
03/15/2022	13:15:00 - 13:30:00	7	15	17	14	16	0.2	113	3.9	58	994.6
03/15/2022	13:30:00 - 13:45:00	5	16	14	15	17	0.4	178	3.8	57	994.2
03/15/2022	13:45:00 - 14:00:00	6	15	16	17	14	0.5	303	3.0	59	993.7
03/15/2022	14:00:00 - 14:15:00	7	12	19	14	12	0.7	215	4.2	57	993.3
03/15/2022	14:15:00 - 14:30:00	9	12	25	14	11	0.9	303	4.3	56	993.1
03/15/2022	14:30:00 - 14:45:00	7	11	16	14	9	0.2	301	4.6	56	992.9
03/15/2022	14:45:00 - 15:00:00	4	11	13	14	8	0.9	182	4.8	55	992.8
03/15/2022	15:00:00 - 15:15:00	4	11	13	14	8	1.0	153	4.4	57	993.0
03/15/2022	15:15:00 - 15:30:00	4	10	12	13	7	1.4	138	3.9	59	993.0
03/15/2022	15:30:00 - 15:45:00	5	12	13	13	8	1.3	165	3.9	60	993.2
03/15/2022	15:45:00 - 16:00:00	5	12	14	13	9	1.2	176	4.1	58	993.1
03/15/2022	16:00:00 - 16:15:00	4	13	12	13	9	0.9	144	3.9	60	992.8
03/15/2022	16:15:00 - 16:30:00	4	13	12	15	9	1.0	133	3.4	63	992.6
03/15/2022	16:30:00 - 16:45:00	5	14	15	16	12	0.8	83	3.6	62	992.2
03/15/2022	16:45:00 - 17:00:00	5	13	13	15	11	0.7	120	3.3	62	992.1

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp (CDT)	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Conc. [µg/m <sup>3</sup> ]	Average Conc. [µg/m <sup>3</sup> ]	Average Conc. [µg/m <sup>3</sup> ]	Average Conc. [µg/m <sup>3</sup> ]	Average Conc. [µg/m <sup>3</sup> ]	Wind Speed [mph]	Wind Direction [degrees]	Air Temp. [° Celcius]	Relative Humidity [%]	Barometric Pressure [mb]
03/15/2022	17:00:00 - 17:15:00	8	13	17	15	12	0.8	145	3.2	65	992.0
03/15/2022	17:15:00 - 17:30:00	6	14	15	16	14	0.4	141	3.1	66	991.7
03/15/2022	17:30:00 - 17:45:00	6	20	17	19	18	0.6	114	2.7	66	991.4
03/15/2022	17:45:00 - 18:00:00	8	21	20	22	22	0.8	143	2.3	68	991.3
03/15/2022	18:00:00 - 18:15:00	6	16	17	18	18	1.1	136	2.1	69	991.2
03/15/2022	18:15:00 - 18:30:00	6	20	17	19	19	0.6	110	1.7	69	991.2
03/15/2022	18:30:00 - 18:45:00	7	20	19	20	21	0.6	186	1.4	72	991.1
03/15/2022	18:45:00 - 19:00:00	8	25	22	24	29	0.9	164	1.5	71	991.4
03/15/2022	19:00:00 - 19:15:00	10	69	26	23	37	1.0	167	1.6	71	991.6
03/15/2022	19:15:00 - 19:30:00	12	40	33	34	45	0.9	167	1.4	71	991.6
03/15/2022	19:30:00 - 19:45:00	12	33	31	38	69	1.1	172	1.5	72	991.7
03/15/2022	19:45:00 - 20:00:00	13	44	33	43	55	0.9	165	1.3	73	991.6
03/15/2022	20:00:00 - 20:15:00	15	47	39	40	49	1.0	176	1.4	73	991.8
03/15/2022	20:15:00 - 20:30:00	19	66	48	50	57	1.2	177	1.5	71	991.8
03/15/2022	20:30:00 - 20:45:00	26	78	63	56	64	0.6	176	1.2	71	991.5
03/15/2022	20:45:00 - 21:00:00	28	87	68	60	71	0.3	228	1.2	73	991.4
03/15/2022	21:00:00 - 21:15:00	28	87	67	64	78	0.3	212	1.1	74	991.3
03/15/2022	21:15:00 - 21:30:00	34	132	82	91	91	0.3	222	1.2	74	991.2
03/15/2022	21:30:00 - 21:45:00	37	129	88	94	103	0.4	182	1.1	74	991.2
03/15/2022	21:45:00 - 22:00:00	34	109	82	82	91	0.3	184	1.2	74	991.2
03/15/2022	22:00:00 - 22:15:00	39	114	91	97	110	0.4	191	1.3	73	991.3
03/15/2022	22:15:00 - 22:30:00	46	164	110	123	133	0.4	185	1.4	71	991.2
03/15/2022	22:30:00 - 22:45:00	55	131	128	124	136	0.3	170	1.3	71	991.1
03/15/2022	22:45:00 - 23:00:00	43	111	101	112	129	0.2	157	1.3	73	990.8
03/15/2022	23:00:00 - 23:15:00	34	98	83	95	115	0.2	183	1.3	75	990.6
03/15/2022	23:15:00 - 23:30:00	32	78	76	78	108	0.3	155	1.0	75	990.4
03/15/2022	23:30:00 - 23:45:00	33	94	79	79	98	0.2	124	0.7	76	990.2
03/15/2022	23:45:00 - 00:00:00	30	101	75	78	91	0.4	88	0.1	78	989.9

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

Appendix A: Complete Preliminary Data Record

3/9/2022																				
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	1200	0.0	1300	0.0	1500	0.0	NA	NA	NA	NA
SAM-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1208	0.0	1308	0.0	1508	0.0	NA	NA	NA	NA
SAM-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1204	0.0	1304	0.0	1504	0.0	NA	NA	NA	NA
SAM-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1202	0.0	1302	0.0	1502	0.0	NA	NA	NA	NA
IMPL-A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1209	0.0	1309	0.0	1509	0.0	NA	NA	NA	NA
IMPL-B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1210	0.0	1310	0.0	1510	0.0	NA	NA	NA	NA
IMPL-C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1211	0.0	1311	0.0	1512	0.0	NA	NA	NA	NA
IMPL-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1212	0.0	1312	0.0	1513	0.0	NA	NA	NA	NA
IMPL-E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1213	0.0	1313	0.0	1514	0.0	NA	NA	NA	NA
IMPL-F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1214	0.0	1314	0.0	1515	0.0	NA	NA	NA	NA
IMPL-G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1215	0.0	1315	0.0	1516	0.0	NA	NA	NA	NA
IMPL-H	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1216	0.0	1316	0.0	1517	0.0	NA	NA	NA	NA
IMPL-I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1217	0.0	1317	0.0	1518	0.0	NA	NA	NA	NA
IMPL-J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1218	0.0	1318	0.0	1519	0.0	NA	NA	NA	NA
IMPL-K	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1219	0.0	1319	0.0	1520	0.0	NA	NA	NA	NA
IMPL-L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1220	0.0	1320	0.0	1521	0.0	NA	NA	NA	NA

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

3/10/2022																				
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	0700	0.0	0800	0.0	900	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	NA	NA
SAM-2	0707	0.0	0808	0.0	908	0.0	1008	0.0	1108	0.0	1209	0.0	1307	0.0	1408	0.0	1508	0.0	NA	NA
SAM-3	0703	0.0	0804	0.0	904	0.0	1004	0.0	1104	0.0	1204	0.0	1304	0.0	1404	0.0	1504	0.0	NA	NA
SAM-4	0702	0.0	0802	0.0	902	0.0	1002	0.0	1102	0.0	1202	0.0	1302	0.0	1402	0.0	1502	0.0	NA	NA
IMPL-A	0708	0.0	0809	0.0	909	0.0	1009	0.0	1109	0.0	1210	0.0	1308	0.0	1409	0.0	1509	0.0	NA	NA
IMPL-B	0709	0.0	0810	0.0	910	0.0	1010	0.0	1110	0.0	1211	0.0	1309	0.0	1410	0.0	1510	0.0	NA	NA
IMPL-C	0710	0.0	0811	0.0	911	0.0	1011	0.0	1111	0.0	1212	0.0	1310	0.0	1411	0.0	1511	0.0	NA	NA
IMPL-D	0711	0.0	0812	0.0	912	0.0	1012	0.0	1112	0.0	1213	0.0	1311	0.0	1412	0.0	1512	0.0	NA	NA
IMPL-E	0712	0.0	0813	0.0	913	0.0	1013	0.0	1113	0.0	1214	0.0	1312	0.0	1413	0.0	1513	0.0	NA	NA
IMPL-F	0713	0.0	0814	0.0	914	0.0	1014	0.0	1114	0.0	1215	0.0	1313	0.0	1414	0.0	1514	0.0	NA	NA
IMPL-G	0714	0.0	0815	0.0	915	0.0	1015	0.0	1115	0.0	1216	0.0	1314	0.0	1415	0.0	1515	0.0	NA	NA
IMPL-H	0715	0.0	0816	0.0	916	0.0	1016	0.0	1116	0.0	1218	0.0	1315	0.0	1416	0.0	1516	0.0	NA	NA
IMPL-I	0716	0.0	0817	0.0	917	0.0	1017	0.0	1117	0.0	1220	0.0	1316	0.0	1417	0.0	1517	0.0	NA	NA
IMPL-J	0717	0.0	0818	0.0	918	0.0	1018	0.0	1118	0.0	1221	0.0	1317	0.0	1418	0.0	1518	0.0	NA	NA
IMPL-K	0718	0.0	0819	0.0	919	0.0	1019	0.0	1119	0.0	1222	0.0	1318	0.0	1419	0.0	1519	0.0	NA	NA
IMPL-L	0719	0.0	0820	0.0	920	0.0	1020	0.0	1120	0.0	1223	0.0	1319	0.0	1420	0.0	1520	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

3/11/2022																				
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	0730	0.0	0830	0.0	NA	NA	1000	0.0	1115	0.0	NA	NA	1300	0.0	NA	NA	NA	NA	NA	NA
SAM-2	0738	0.0	0838	0.0	NA	NA	1008	0.0	1124	0.0	NA	NA	1310	0.0	NA	NA	NA	NA	NA	NA
SAM-3	0734	0.0	0834	0.0	NA	NA	1004	0.0	1118	0.0	NA	NA	1303	0.0	NA	NA	NA	NA	NA	NA
SAM-4	0732	0.0	0832	0.0	NA	NA	1002	0.0	1117	0.0	NA	NA	1301	0.0	NA	NA	NA	NA	NA	NA
IMPL-A	0739	0.0	0839	0.0	NA	NA	1009	0.0	1125	0.0	NA	NA	1311	0.0	NA	NA	NA	NA	NA	NA
IMPL-B	0740	0.0	0840	0.0	NA	NA	1010	0.0	1126	0.0	NA	NA	1312	0.0	NA	NA	NA	NA	NA	NA
IMPL-C	0741	0.0	0841	0.0	NA	NA	1011	0.0	1127	0.0	NA	NA	1313	0.0	NA	NA	NA	NA	NA	NA
IMPL-D	0742	0.0	0842	0.0	NA	NA	1012	0.0	1128	0.0	NA	NA	1314	0.0	NA	NA	NA	NA	NA	NA
IMPL-E	0743	0.0	0843	0.0	NA	NA	1013	0.0	1129	0.0	NA	NA	1315	0.0	NA	NA	NA	NA	NA	NA
IMPL-F	0744	0.0	0844	0.0	NA	NA	1014	0.0	1130	0.0	NA	NA	1316	0.0	NA	NA	NA	NA	NA	NA
IMPL-G	0745	0.0	0845	0.0	NA	NA	1015	0.0	1131	0.0	NA	NA	1317	0.0	NA	NA	NA	NA	NA	NA
IMPL-H	0746	0.0	0846	0.0	NA	NA	1016	0.0	1132	0.0	NA	NA	1318	0.0	NA	NA	NA	NA	NA	NA
IMPL-I	0747	0.0	0847	0.0	NA	NA	1017	0.0	1133	0.0	NA	NA	1319	0.0	NA	NA	NA	NA	NA	NA
IMPL-J	0748	0.0	0848	0.0	NA	NA	1018	0.0	1134	0.0	NA	NA	1320	0.0	NA	NA	NA	NA	NA	NA
IMPL-K	0749	0.0	0849	0.0	NA	NA	1019	0.0	1135	0.0	NA	NA	1322	0.0	NA	NA	NA	NA	NA	NA
IMPL-L	0750	0.0	0850	0.0	NA	NA	1020	0.0	1137	0.0	NA	NA	1323	0.0	NA	NA	NA	NA	NA	NA

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.  
Excavation stopped at 2:00 pm

3/14/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	700	0.0	800	0.0	900	0.0	1000	0.0	1130	0.0	1230	0.0	1330	0.0	1430	0.0	NA	NA	NA	NA
SAM-2	708	0.0	808	0.0	908	0.0	1008	0.0	1138	0.0	1238	0.0	1338	0.0	1438	0.0	NA	NA	NA	NA
SAM-3	704	0.0	804	0.0	904	0.0	1004	0.0	1134	0.0	1234	0.0	1334	0.0	1434	0.0	NA	NA	NA	NA
SAM-4	702	0.0	802	0.0	902	0.0	1002	0.0	1132	0.0	1232	0.0	1332	0.0	1432	0.0	NA	NA	NA	NA
IMPL-A	709	0.0	809	0.0	909	0.0	1009	0.0	1139	0.0	1239	0.0	1339	0.0	1439	0.0	NA	NA	NA	NA
IMPL-B	710	0.0	810	0.0	910	0.0	1010	0.0	1140	0.0	1240	0.0	1340	0.0	1440	0.0	NA	NA	NA	NA
IMPL-C	711	0.0	811	0.0	911	0.0	1011	0.0	1141	0.0	1241	0.0	1341	0.0	1441	0.0	NA	NA	NA	NA
IMPL-D	712	0.0	812	0.0	912	0.0	1012	0.0	1142	0.0	1242	0.0	1342	0.0	1442	0.0	NA	NA	NA	NA
IMPL-E	713	0.0	813	0.0	913	0.0	1013	0.0	1143	0.0	1243	0.0	1343	0.0	1443	0.0	NA	NA	NA	NA
IMPL-F	714	0.0	814	0.0	914	0.0	1014	0.0	1144	0.0	1244	0.0	1344	0.0	1444	0.0	NA	NA	NA	NA
IMPL-G	715	0.0	815	0.0	915	0.0	1015	0.0	1145	0.0	1245	0.0	1345	0.0	1445	0.0	NA	NA	NA	NA
IMPL-H	716	0.0	816	0.0	916	0.0	1016	0.0	1146	0.0	1246	0.0	1346	0.0	1446	0.0	NA	NA	NA	NA
IMPL-I	717	0.0	817	0.0	917	0.0	1017	0.0	1147	0.0	1247	0.0	1347	0.0	1447	0.0	NA	NA	NA	NA
IMPL-J	718	0.0	818	0.0	918	0.0	1018	0.0	1148	0.0	1248	0.0	1348	0.0	1448	0.0	NA	NA	NA	NA
IMPL-K	719	0.0	819	0.0	919	0.0	1019	0.0	1149	0.0	1249	0.0	1349	0.0	1449	0.0	NA	NA	NA	NA
IMPL-L	720	0.0	820	0.0	920	0.0	1020	0.0	1150	0.0	1250	0.0	1350	0.0	1450	0.0	NA	NA	NA	NA

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

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

Appendix A: Complete Preliminary Data Record

3/15/2022																				
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	1230	0.0	1330	0.0	1500	0.0	1600	0.0	NA	NA
SAM-2	708	0.0	807	0.0	907	0.0	1008	0.0	1108	0.0	1238	0.0	1338	0.0	1508	0.0	1608	0.0	NA	NA
SAM-3	704	0.0	803	0.0	903	0.0	1004	0.0	1104	0.0	1234	0.0	1334	0.0	1504	0.0	1604	0.0	NA	NA
SAM-4	702	0.0	801	0.0	901	0.0	1002	0.0	1102	0.0	1232	0.0	1332	0.0	1502	0.0	1602	0.0	NA	NA
IMPL-A	709	0.0	808	0.0	908	0.0	1009	0.0	1109	0.0	1239	0.0	1339	0.0	1509	0.0	1609	0.0	NA	NA
IMPL-B	710	0.0	809	0.0	909	0.0	1010	0.0	1110	0.0	1240	0.0	1340	0.0	1510	0.0	1610	0.0	NA	NA
IMPL-C	711	0.0	810	0.0	910	0.0	1011	0.0	1111	0.0	1241	0.0	1341	0.0	1511	0.0	1611	0.0	NA	NA
IMPL-D	712	0.0	811	0.0	911	0.0	1012	0.0	1112	0.0	1242	0.0	1342	0.0	1512	0.0	1612	0.0	NA	NA
IMPL-E	713	0.0	812	0.0	912	0.0	1013	0.0	1113	0.0	1243	0.0	1343	0.0	1513	0.0	1613	0.0	NA	NA
IMPL-F	714	0.0	813	0.0	913	0.0	1014	0.0	1114	0.0	1244	0.0	1344	0.0	1514	0.0	1614	0.0	NA	NA
IMPL-G	715	0.0	814	0.0	914	0.0	1015	0.0	1115	0.0	1245	0.0	1345	0.0	1515	0.0	1615	0.0	NA	NA
IMPL-H	716	0.0	815	0.0	915	0.0	1016	0.0	1116	0.0	1246	0.0	1346	0.0	1516	0.0	1616	0.0	NA	NA
IMPL-I	717	0.0	816	0.0	916	0.0	1017	0.0	1117	0.0	1247	0.0	1347	0.0	1517	0.0	1617	0.0	NA	NA
IMPL-J	718	0.0	817	0.0	917	0.0	1018	0.0	1118	0.0	1248	0.0	1348	0.0	1518	0.0	1618	0.0	NA	NA
IMPL-K	719	0.0	818	0.0	918	0.0	1019	0.0	1119	0.0	1249	0.0	1349	0.0	1519	0.0	1619	0.0	NA	NA
IMPL-L	720	0.0	819	0.0	919	0.0	1020	0.0	1120	0.0	1250	0.0	1350	0.0	1520	0.0	1620	0.0	NA	NA

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

3/9/2022																				
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	1200	0.0	1300	0.0	1500	0.0	NA	NA	NA	NA
SAM-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1208	0.0	1308	0.0	1508	0.0	NA	NA	NA	NA
SAM-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1204	0.0	1304	0.0	1504	0.0	NA	NA	NA	NA
SAM-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1202	0.0	1302	0.0	1502	0.0	NA	NA	NA	NA
IMPL-A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1209	0.0	1309	0.0	1509	0.0	NA	NA	NA	NA
IMPL-B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1210	0.0	1310	0.0	1510	0.0	NA	NA	NA	NA
IMPL-C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1211	0.0	1311	0.0	1512	0.0	NA	NA	NA	NA
IMPL-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1212	0.0	1312	0.0	1513	0.0	NA	NA	NA	NA
IMPL-E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1213	0.0	1313	0.0	1514	0.0	NA	NA	NA	NA
IMPL-F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1214	0.0	1314	0.0	1515	0.0	NA	NA	NA	NA
IMPL-G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1215	0.0	1315	0.0	1516	0.0	NA	NA	NA	NA
IMPL-H	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1216	0.0	1316	0.0	1517	0.0	NA	NA	NA	NA
IMPL-I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1217	0.0	1317	0.0	1518	0.0	NA	NA	NA	NA
IMPL-J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1218	0.0	1318	0.0	1519	0.0	NA	NA	NA	NA
IMPL-K	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1219	0.0	1319	0.0	1520	0.0	NA	NA	NA	NA
IMPL-L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1220	0.0	1320	0.0	1521	0.0	NA	NA	NA	NA

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

3/10/2022																				
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	0700	0.0	0800	0.0	900	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	NA	NA
SAM-2	0707	0.0	0808	0.0	908	0.0	1008	0.0	1108	0.0	1209	0.0	1307	0.0	1408	0.0	1508	0.0	NA	NA
SAM-3	0703	0.0	0804	0.0	904	0.0	1004	0.0	1104	0.0	1204	0.0	1304	0.0	1404	0.0	1504	0.0	NA	NA
SAM-4	0702	0.0	0802	0.0	902	0.0	1002	0.0	1102	0.0	1202	0.0	1302	0.0	1402	0.0	1502	0.0	NA	NA
IMPL-A	0708	0.0	0809	0.0	909	0.0	1009	0.0	1109	0.0	1210	0.0	1308	0.0	1409	0.0	1509	0.0	NA	NA
IMPL-B	0709	0.0	0810	0.0	910	0.0	1010	0.0	1110	0.0	1211	0.0	1309	0.0	1410	0.0	1510	0.0	NA	NA
IMPL-C	0710	0.0	0811	0.0	911	0.0	1011	0.0	1111	0.0	1212	0.0	1310	0.0	1411	0.0	1511	0.0	NA	NA
IMPL-D	0711	0.0	0812	0.0	912	0.0	1012	0.0	1112	0.0	1213	0.0	1311	0.0	1412	0.0	1512	0.0	NA	NA
IMPL-E	0712	0.0	0813	0.0	913	0.0	1013	0.0	1113	0.0	1214	0.0	1312	0.0	1413	0.0	1513	0.0	NA	NA
IMPL-F	0713	0.0	0814	0.0	914	0.0	1014	0.0	1114	0.0	1215	0.0	1313	0.0	1414	0.0	1514	0.0	NA	NA
IMPL-G	0714	0.0	0815	0.0	915	0.0	1015	0.0	1115	0.0	1216	0.0	1314	0.0	1415	0.0	1515	0.0	NA	NA
IMPL-H	0715	0.0	0816	0.0	916	0.0	1016	0.0	1116	0.0	1218	0.0	1315	0.0	1416	0.0	1516	0.0	NA	NA
IMPL-I	0716	0.0	0817	0.0	917	0.0	1017	0.0	1117	0.0	1220	0.0	1316	0.0	1417	0.0	1517	0.0	NA	NA
IMPL-J	0717	0.0	0818	0.0	918	0.0	1018	0.0	1118	0.0	1221	0.0	1317	0.0	1418	0.0	1518	0.0	NA	NA
IMPL-K	0718	0.0	0819	0.0	919	0.0	1019	0.0	1119	0.0	1222	0.0	1318	0.0	1419	0.0	1519	0.0	NA	NA
IMPL-L	0719	0.0	0820	0.0	920	0.0	1020	0.0	1120	0.0	1223	0.0	1319	0.0	1420	0.0	1520	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

3/11/2022																				
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	0730	0.0	0830	0.0	NA	NA	1000	0.0	1115	0.0	NA	NA	1300	0.0	NA	NA	NA	NA	NA	NA
SAM-2	0738	0.0	0838	0.0	NA	NA	1008	0.0	1124	0.0	NA	NA	1310	0.0	NA	NA	NA	NA	NA	NA
SAM-3	0734	0.0	0834	0.0	NA	NA	1004	0.0	1118	0.0	NA	NA	1303	0.0	NA	NA	NA	NA	NA	NA
SAM-4	0732	0.0	0832	0.0	NA	NA	1002	0.0	1117	0.0	NA	NA	1301	0.0	NA	NA	NA	NA	NA	NA
IMPL-A	0739	0.0	0839	0.0	NA	NA	1009	0.0	1125	0.0	NA	NA	1311	0.0	NA	NA	NA	NA	NA	NA
IMPL-B	0740	0.0	0840	0.0	NA	NA	1010	0.0	1126	0.0	NA	NA	1312	0.0	NA	NA	NA	NA	NA	NA
IMPL-C	0741	0.0	0841	0.0	NA	NA	1011	0.0	1127	0.0	NA	NA	1313	0.0	NA	NA	NA	NA	NA	NA
IMPL-D	0742	0.0	0842	0.0	NA	NA	1012	0.0	1128	0.0	NA	NA	1314	0.0	NA	NA	NA	NA	NA	NA
IMPL-E	0743	0.0	0843	0.0	NA	NA	1013	0.0	1129	0.0	NA	NA	1315	0.0	NA	NA	NA	NA	NA	NA
IMPL-F	0744	0.0	0844	0.0	NA	NA	1014	0.0	1130	0.0	NA	NA	1316	0.0	NA	NA	NA	NA	NA	NA
IMPL-G	0745	0.0	0845	0.0	NA	NA	1015	0.0	1131	0.0	NA	NA	1317	0.0	NA	NA	NA	NA	NA	NA
IMPL-H	0746	0.0	0846	0.0	NA	NA	1016	0.0	1132	0.0	NA	NA	1318	0.0	NA	NA	NA	NA	NA	NA
IMPL-I	0747	0.0	0847	0.0	NA	NA	1017	0.0	1133	0.0	NA	NA	1319	0.0	NA	NA	NA	NA	NA	NA
IMPL-J	0748	0.0	0848	0.0	NA	NA	1018	0.0	1134	0.0	NA	NA	1320	0.0	NA	NA	NA	NA	NA	NA
IMPL-K	0749	0.0	0849	0.0	NA	NA	1019	0.0	1135	0.0	NA	NA	1322	0.0	NA	NA	NA	NA	NA	NA
IMPL-L	0750	0.0	0850	0.0	NA	NA	1020	0.0	1137	0.0	NA	NA	1323	0.0	NA	NA	NA	NA	NA	NA

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.  
Excavation stopped at 2:00 pm

3/14/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	700	0.0	800	0.0	900	0.0	1000	0.0	1130	0.0	1230	0.0	1330	0.0	1430	0.0	NA	NA	NA	NA
SAM-2	708	0.0	808	0.0	908	0.0	1008	0.0	1138	0.0	1238	0.0	1338	0.0	1438	0.0	NA	NA	NA	NA
SAM-3	704	0.0	804	0.0	904	0.0	1004	0.0	1134	0.0	1234	0.0	1334	0.0	1434	0.0	NA	NA	NA	NA
SAM-4	702	0.0	802	0.0	902	0.0	1002	0.0	1132	0.0	1232	0.0	1332	0.0	1432	0.0	NA	NA	NA	NA
IMPL-A	709	0.0	809	0.0	909	0.0	1009	0.0	1139	0.0	1239	0.0	1339	0.0	1439	0.0	NA	NA	NA	NA
IMPL-B	710	0.0	810	0.0	910	0.0	1010	0.0	1140	0.0	1240	0.0	1340	0.0	1440	0.0	NA	NA	NA	NA
IMPL-C	711	0.0	811	0.0	911	0.0	1011	0.0	1141	0.0	1241	0.0	1341	0.0	1441	0.0	NA	NA	NA	NA
IMPL-D	712	0.0	812	0.0	912	0.0	1012	0.0	1142	0.0	1242	0.0	1342	0.0	1442	0.0	NA	NA	NA	NA
IMPL-E	713	0.0	813	0.0	913	0.0	1013	0.0	1143	0.0	1243	0.0	1343	0.0	1443	0.0	NA	NA	NA	NA
IMPL-F	714	0.0	814	0.0	914	0.0	1014	0.0	1144	0.0	1244	0.0	1344	0.0	1444	0.0	NA	NA	NA	NA
IMPL-G	715	0.0	815	0.0	915	0.0	1015	0.0	1145	0.0	1245	0.0	1345	0.0	1445	0.0	NA	NA	NA	NA
IMPL-H	716	0.0	816	0.0	916	0.0	1016	0.0	1146	0.0	1246	0.0	1346	0.0	1446	0.0	NA	NA	NA	NA
IMPL-I	717	0.0	817	0.0	917	0.0	1017	0.0	1147	0.0	1247	0.0	1347	0.0	1447	0.0	NA	NA	NA	NA
IMPL-J	718	0.0	818	0.0	918	0.0	1018	0.0	1148	0.0	1248	0.0	1348	0.0	1448	0.0	NA	NA	NA	NA
IMPL-K	719	0.0	819	0.0	919	0.0	1019	0.0	1149	0.0	1249	0.0	1349	0.0	1449	0.0	NA	NA	NA	NA
IMPL-L	720	0.0	820	0.0	920	0.0	1020	0.0	1150	0.0	1250	0.0	1350	0.0	1450	0.0	NA	NA	NA	NA

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

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

Appendix A: Complete Preliminary Data Record

3/15/2022																				
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	1230	0.0	1330	0.0	1500	0.0	1600	0.0	NA	NA
SAM-2	708	0.0	807	0.0	907	0.0	1008	0.0	1108	0.0	1238	0.0	1338	0.0	1508	0.0	1608	0.0	NA	NA
SAM-3	704	0.0	803	0.0	903	0.0	1004	0.0	1104	0.0	1234	0.0	1334	0.0	1504	0.0	1604	0.0	NA	NA
SAM-4	702	0.0	801	0.0	901	0.0	1002	0.0	1102	0.0	1232	0.0	1332	0.0	1502	0.0	1602	0.0	NA	NA
IMPL-A	709	0.0	808	0.0	908	0.0	1009	0.0	1109	0.0	1239	0.0	1339	0.0	1509	0.0	1609	0.0	NA	NA
IMPL-B	710	0.0	809	0.0	909	0.0	1010	0.0	1110	0.0	1240	0.0	1340	0.0	1510	0.0	1610	0.0	NA	NA
IMPL-C	711	0.0	810	0.0	910	0.0	1011	0.0	1111	0.0	1241	0.0	1341	0.0	1511	0.0	1611	0.0	NA	NA
IMPL-D	712	0.0	811	0.0	911	0.0	1012	0.0	1112	0.0	1242	0.0	1342	0.0	1512	0.0	1612	0.0	NA	NA
IMPL-E	713	0.0	812	0.0	912	0.0	1013	0.0	1113	0.0	1243	0.0	1343	0.0	1513	0.0	1613	0.0	NA	NA
IMPL-F	714	0.0	813	0.0	913	0.0	1014	0.0	1114	0.0	1244	0.0	1344	0.0	1514	0.0	1614	0.0	NA	NA
IMPL-G	715	0.0	814	0.0	914	0.0	1015	0.0	1115	0.0	1245	0.0	1345	0.0	1515	0.0	1615	0.0	NA	NA
IMPL-H	716	0.0	815	0.0	915	0.0	1016	0.0	1116	0.0	1246	0.0	1346	0.0	1516	0.0	1616	0.0	NA	NA
IMPL-I	717	0.0	816	0.0	916	0.0	1017	0.0	1117	0.0	1247	0.0	1347	0.0	1517	0.0	1617	0.0	NA	NA
IMPL-J	718	0.0	817	0.0	917	0.0	1018	0.0	1118	0.0	1248	0.0	1348	0.0	1518	0.0	1618	0.0	NA	NA
IMPL-K	719	0.0	818	0.0	918	0.0	1019	0.0	1119	0.0	1249	0.0	1349	0.0	1519	0.0	1619	0.0	NA	NA
IMPL-L	720	0.0	819	0.0	919	0.0	1020	0.0	1120	0.0	1250	0.0	1350	0.0	1520	0.0	1620	0.0	NA	NA

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	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg	7.2		Naphthalene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg	1.8		2-Methylnaphthalene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	2-Chloronaphthalene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Acenaphthylene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Acenaphthene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Fluorene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Phenanthrene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Anthracene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Fluoranthene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Pyrene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Chrysene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Benzo(a)anthracene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Benzo(b)fluoranthene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Benzo(k)fluoranthene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Benzo(a)pyrene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	%R	80		Fluorene-d10
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	%R	86		Pyrene-d10
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	%R	87		Benzo(a)pyrene-d12
TO-13A	20220228-0302-SE-SAM1	02/28/2022 08:12	03/02/2022 08:42	%R	72		Fluoranthene-d10
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg	9.6		Naphthalene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg	1.8		2-Methylnaphthalene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	2-Chloronaphthalene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Acenaphthylene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Acenaphthene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Fluorene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Phenanthrene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Anthracene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Fluoranthene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Pyrene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Chrysene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Benzo(a)anthracene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Benzo(b)fluoranthene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Benzo(k)fluoranthene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Benzo(a)pyrene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	%R	87		Fluorene-d10
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	%R	89		Pyrene-d10
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	%R	99		Benzo(a)pyrene-d12
TO-13A	20220228-0302-NE-SAM2	02/28/2022 07:59	03/02/2022 08:31	%R	83		Fluoranthene-d10
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg	6.8		Naphthalene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg	1.5		2-Methylnaphthalene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	2-Chloronaphthalene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Acenaphthylene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Acenaphthene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Fluorene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Phenanthrene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Anthracene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Fluoranthene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Pyrene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Chrysene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Benzo(a)anthracene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	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	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Benzo(k)fluoranthene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Benzo(a)pyrene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	%R	81		Fluorene-d10
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	%R	91		Pyrene-d10
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	%R	90		Benzo(a)pyrene-d12
TO-13A	20220228-0302-SE-SAM3	02/28/2022 08:06	03/02/2022 08:37	%R	80		Fluoranthene-d10
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg	5.7		Naphthalene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg	1.2		2-Methylnaphthalene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	2-Chloronaphthalene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Acenaphthylene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Acenaphthene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Fluorene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Phenanthrene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Anthracene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Fluoranthene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Pyrene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Chrysene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Benzo(a)anthracene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Benzo(b)fluoranthene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Benzo(k)fluoranthene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Benzo(a)pyrene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	%R	74		Fluorene-d10
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	%R	77		Pyrene-d10
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	%R	82		Benzo(a)pyrene-d12
TO-13A	20220228-0302-NW-SAM4	02/28/2022 08:27	03/02/2022 08:54	%R	69		Fluoranthene-d10
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg	4.9		Naphthalene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg	1.1		2-Methylnaphthalene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	2-Chloronaphthalene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Acenaphthylene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Acenaphthene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Fluorene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Phenanthrene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Anthracene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Fluoranthene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Pyrene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Chrysene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Benzo(a)anthracene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Benzo(b)fluoranthene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Benzo(k)fluoranthene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Benzo(a)pyrene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	%R	82		Fluorene-d10
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	%R	95		Pyrene-d10
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	%R	93		Benzo(a)pyrene-d12
TO-13A	20220228-0302-SW-SAM5	02/28/2022 08:21	03/02/2022 08:47	%R	75		Fluoranthene-d10
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Naphthalene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	2-Methylnaphthalene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	2-Chloronaphthalene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	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	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Acenaphthene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Fluorene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Phenanthrene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Anthracene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Fluoranthene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Pyrene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Chrysene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Benzo(a)anthracene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Benzo(b)fluoranthene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Benzo(k)fluoranthene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Benzo(a)pyrene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	%R	75		Fluorene-d10
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	%R	90		Pyrene-d10
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	%R	103		Benzo(a)pyrene-d12
TO-13A	20220228-0302-SAM6	02/28/2022 09:33	03/02/2022 09:02	%R	84		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	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg	6.6		Naphthalene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg	1.1		2-Methylnaphthalene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	2-Chloronaphthalene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Acenaphthylene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Acenaphthene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Fluorene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Phenanthrene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Anthracene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Fluoranthene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Pyrene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Chrysene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Benzo(a)anthracene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Benzo(b)fluoranthene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Benzo(k)fluoranthene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Benzo(a)pyrene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	%R	84		Fluorene-d10
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	%R	99		Pyrene-d10
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	%R	110		Benzo(a)pyrene-d12
TO-13A	20220302-04-SE-SAM1	03/02/2022 11:23	03/04/2022 08:40	%R	82		Fluoranthene-d10
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg	5.6		Naphthalene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg	1.0		2-Methylnaphthalene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	2-Chloronaphthalene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Acenaphthylene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Acenaphthene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Fluorene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Phenanthrene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Anthracene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Fluoranthene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Pyrene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Chrysene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Benzo(a)anthracene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Benzo(b)fluoranthene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Benzo(k)fluoranthene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Benzo(a)pyrene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	%R	90		Fluorene-d10
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	%R	103		Pyrene-d10
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	%R	110		Benzo(a)pyrene-d12
TO-13A	20220302-04-NE-SAM2	03/02/2022 11:16	03/04/2022 08:30	%R	89		Fluoranthene-d10
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg	6.2		Naphthalene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg	1.1		2-Methylnaphthalene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	2-Chloronaphthalene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Acenaphthylene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Acenaphthene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Fluorene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Phenanthrene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Anthracene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Fluoranthene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Pyrene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Chrysene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Benzo(a)anthracene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	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	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Benzo(k)fluoranthene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Benzo(a)pyrene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	%R	86		Fluorene-d10
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	%R	101		Pyrene-d10
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	%R	105		Benzo(a)pyrene-d12
TO-13A	20220302-04-SE-SAM3	03/02/2022 11:20	03/04/2022 08:36	%R	85		Fluoranthene-d10
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg	3.9		Naphthalene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	2-Methylnaphthalene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	2-Chloronaphthalene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Acenaphthylene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Acenaphthene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Fluorene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Phenanthrene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Anthracene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Fluoranthene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Pyrene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Chrysene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Benzo(a)anthracene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Benzo(b)fluoranthene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Benzo(k)fluoranthene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Benzo(a)pyrene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	%R	74		Fluorene-d10
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	%R	78		Pyrene-d10
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	%R	90		Benzo(a)pyrene-d12
TO-13A	20220302-04-NW-SAM4	03/02/2022 11:30	03/04/2022 08:50	%R	76		Fluoranthene-d10
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg	12		Naphthalene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg	2.1		2-Methylnaphthalene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	2-Chloronaphthalene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Acenaphthylene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Acenaphthene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Fluorene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Phenanthrene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Anthracene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Fluoranthene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Pyrene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Chrysene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Benzo(a)anthracene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Benzo(b)fluoranthene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Benzo(k)fluoranthene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Benzo(a)pyrene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	%R	82		Fluorene-d10
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	%R	95		Pyrene-d10
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	%R	104		Benzo(a)pyrene-d12
TO-13A	20220302-04-SW-SAM5	03/02/2022 11:26	03/04/2022 08:45	%R	81		Fluoranthene-d10
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Naphthalene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	2-Methylnaphthalene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	2-Chloronaphthalene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	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	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Acenaphthene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Fluorene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Phenanthrene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Anthracene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Fluoranthene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Pyrene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Chrysene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Benzo(a)anthracene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Benzo(b)fluoranthene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Benzo(k)fluoranthene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Benzo(a)pyrene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Dibenz(a,h)anthracene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	µg		ND	Benzo(g,h,i)perylene
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	%R	69		Fluorene-d10
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	%R	80		Pyrene-d10
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	%R	79		Benzo(a)pyrene-d12
TO-13A	20220302-04-SAM6	03/02/2022 09:02	03/04/2022 08:55	%R	68		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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