

# Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

31 January 2022

Project No.: 0529307

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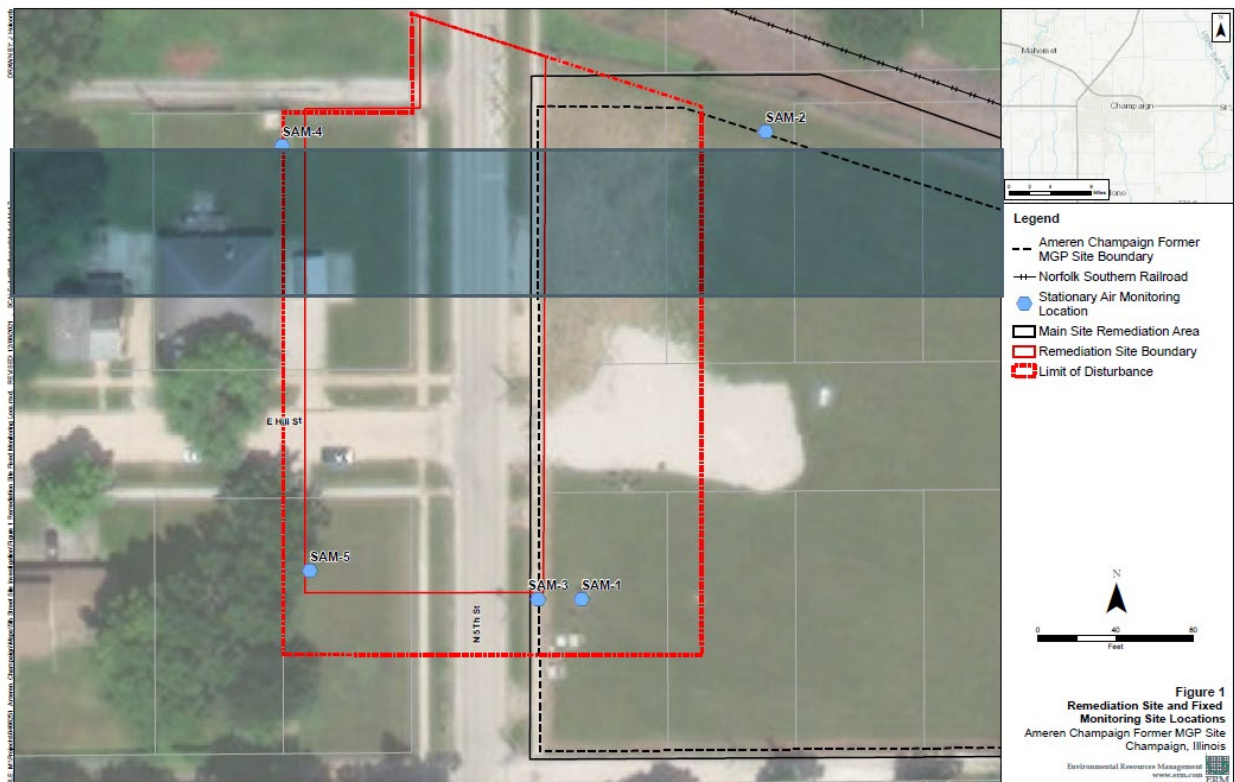
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## 1. INTRODUCTION

Environmental Resources Management, Inc. (ERM) installed five stationary air monitors (SAMs) at four locations around the perimeter of the remediation site to monitor dust levels (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**



This weekly summary presents the real-time ambient air quality and meteorological data collected from January 19, 2021 through January 25, 2022. The laboratory results were collected from December 29, 2021 through January 12, 2022. Both periods are representative of ongoing remedial efforts.

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.

## 2. SUMMARY

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

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

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

CONSTITUENTS OF CONCERN	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, $\mu\text{g}/\text{m}^3$ )	1/19/2022 – 1/26/2022	0	56	360
VOC (1-minute average, $\mu\text{g}/\text{m}^3$ )	1/19/2022 – 1/26/2022	0	0	156.7
Benzene, Real-time GC (1-minute average $\mu\text{g}/\text{m}^3$ )	1/19/2022 – 1/26/2022	0	NM	156.7
Styrene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$ )	12/29/2021 – 1/12/2022	0	0.21	205,000
Benzene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$ )	12/29/2021 – 1/12/2022	0	0.71	16.5
Toluene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$ )	12/29/2021 – 1/12/2022	0	0.53	23,400
Xylenes (total), Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$ )	12/29/2021 – 1/12/2022	0	0.56	41,000
Ethylbenzene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$ )	12/29/2021 – 1/12/2022	0	0.28	59,400
2-methylnaphthalene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/10/2022 – 1/12/2022	0	ND	820
Acenaphthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/10/2022 – 1/12/2022	0	ND	12,300
Acenaphthylene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/10/2022 – 1/12/2022	0	ND	615
Anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/10/2022 – 1/12/2022	0	ND	615
Benzo(a)anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/10/2022 – 1/12/2022	0	ND	1.54
Benzo(a)pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/10/2022 – 1/12/2022	0	ND	0.154
Benzo(k)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/10/2022 – 1/12/2022	0	ND	15.4
Benzo(b)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/10/2022 – 1/12/2022	0	ND	15.4
Chrysene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$ )	1/10/2022 – 1/12/2022	0	ND	154

CONSTITUENTS OF CONCERN	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> )	1/10/2022 – 1/12/2022	0	ND	0.154
Fluoranthene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/10/2022 – 1/12/2022	0	ND	8,200
Fluorene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/10/2022 – 1/12/2022	0	ND	8,200
Ideno(1,2,3-cd)pyrene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/10/2022 – 1/12/2022	0	ND	1.54
Napthalene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/10/2022 – 1/12/2022	0	ND	176
Phenanthrene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/10/2022 – 1/12/2022	0	ND	6,150
Pyrene, Method TO-13A (3 day sample period, µg/m <sup>3</sup> )	1/10/2022 – 1/12/2022	0	ND	6,150

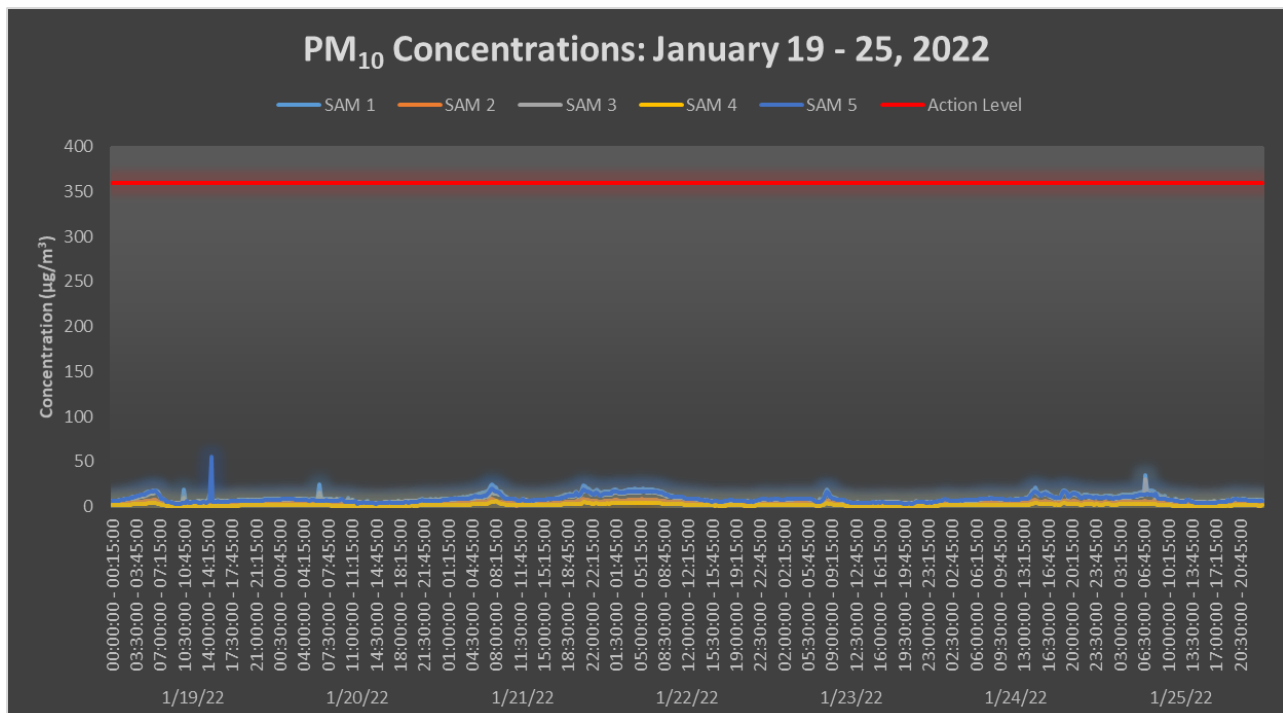
<sup>1</sup> Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

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

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

The preliminary (not fully quality-assured) data record for the reporting period is contained in Appendix A. PM<sub>10</sub> concentrations for the week are represented in Figure 2.

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



**APPENDIX A      COMPLETE PRELIMINARY DATA RECORD**



Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/19/2022	00:00:00 - 00:15:00	6	3	6	2	6	3.2	216	5.9	82	983.1
1/19/2022	00:15:00 - 00:30:00	6	3	6	2	6	3.4	218	5.9	82	983.2
1/19/2022	00:30:00 - 00:45:00	6	3	6	2	6	2.7	220	5.7	83	983.5
1/19/2022	00:45:00 - 01:00:00	6	3	6	2	6	2.0	222	5.5	84	983.5
1/19/2022	01:00:00 - 01:15:00	7	3	6	2	6	1.8	245	5.5	85	983.6
1/19/2022	01:15:00 - 01:30:00	7	3	7	2	7	2.2	255	5.6	85	983.6
1/19/2022	01:30:00 - 01:45:00	7	3	7	2	7	2.2	253	5.5	86	983.6
1/19/2022	01:45:00 - 02:00:00	8	3	7	2	7	2.2	245	5.4	86	983.8
1/19/2022	02:00:00 - 02:15:00	8	3	7	2	8	2.7	267	5.2	87	984.0
1/19/2022	02:15:00 - 02:30:00	9	4	8	2	8	2.8	265	5.1	88	984.2
1/19/2022	02:30:00 - 02:45:00	9	4	8	2	9	2.9	268	5.1	88	984.6
1/19/2022	02:45:00 - 03:00:00	10	4	9	2	10	2.5	274	5.0	88	984.8
1/19/2022	03:00:00 - 03:15:00	11	4	9	3	10	1.9	283	4.5	89	985.1
1/19/2022	03:15:00 - 03:30:00	11	5	9	3	11	2.3	284	4.3	87	985.2
1/19/2022	03:30:00 - 03:45:00	11	5	10	3	11	2.2	286	4.0	86	985.2
1/19/2022	03:45:00 - 04:00:00	12	5	10	3	12	2.4	288	3.7	86	985.4
1/19/2022	04:00:00 - 04:15:00	12	5	11	3	12	3.0	293	3.3	86	985.7
1/19/2022	04:15:00 - 04:30:00	13	5	11	3	13	2.7	289	3.1	86	985.9
1/19/2022	04:30:00 - 04:45:00	13	5	11	3	13	2.5	302	2.8	87	986.1
1/19/2022	04:45:00 - 05:00:00	14	6	12	3	13	2.2	300	2.4	88	986.3
1/19/2022	05:00:00 - 05:15:00	15	6	12	3	14	2.3	302	2.2	88	986.4
1/19/2022	05:15:00 - 05:30:00	16	6	13	4	15	2.0	300	1.9	89	986.6
1/19/2022	05:30:00 - 05:45:00	17	6	14	4	16	2.0	301	1.7	90	986.9
1/19/2022	05:45:00 - 06:00:00	17	6	14	4	17	2.1	302	1.5	90	987.2
1/19/2022	06:00:00 - 06:15:00	18	7	14	4	17	2.3	317	1.4	88	987.4
1/19/2022	06:15:00 - 06:30:00	18	7	15	4	18	2.8	322	1.3	88	987.7
1/19/2022	06:30:00 - 06:45:00	18	7	15	4	17	2.9	317	1.1	87	988.0
1/19/2022	06:45:00 - 07:00:00	16	5	15	3	14	3.1	320	0.9	83	988.4
1/19/2022	07:00:00 - 07:15:00	12	5	11	3	12	2.7	319	0.6	82	988.7
1/19/2022	07:15:00 - 07:30:00	9	3	8	2	8	2.8	325	0.2	77	989.1
1/19/2022	07:30:00 - 07:45:00	8	3	8	2	8	2.8	317	-0.1	77	989.1
1/19/2022	07:45:00 - 08:00:00	6	3	6	2	7	2.7	305	-0.4	77	989.3
1/19/2022	08:00:00 - 08:15:00	4	3	5	1	5	2.5	310	-0.9	72	989.7
1/19/2022	08:15:00 - 08:30:00	5	2	5	1	5	2.6	317	-1.0	73	990.0
1/19/2022	08:30:00 - 08:45:00	4	2	5	1	5	3.1	319	-1.1	71	990.2
1/19/2022	08:45:00 - 09:00:00	4	2	5	1	4	2.9	306	-1.1	72	990.6
1/19/2022	09:00:00 - 09:15:00	3	2	4	1	4	3.2	316	-1.6	69	991.2
1/19/2022	09:15:00 - 09:30:00	3	2	4	1	3	2.9	317	-1.7	70	991.7
1/19/2022	09:30:00 - 09:45:00	3	2	4	1	3	3.1	301	-1.8	68	992.2
1/19/2022	09:45:00 - 10:00:00	3	2	4	1	3	3.0	307	-2.1	69	992.6
1/19/2022	10:00:00 - 10:15:00	4	2	4	1	3	3.4	327	-2.8	68	993.0
1/19/2022	10:15:00 - 10:30:00	2	2	4	1	4	3.2	314	-3.0	69	993.2
1/19/2022	10:30:00 - 10:45:00	19	2	10	1	4	2.5	319	-3.5	69	993.4
1/19/2022	10:45:00 - 11:00:00	4	2	5	1	4	2.8	323	-3.7	71	993.3
1/19/2022	11:00:00 - 11:15:00	4	2	5	1	6	3.1	314	-4.0	71	993.5
1/19/2022	11:15:00 - 11:30:00	5	2	5	1	4	2.7	328	-4.3	71	993.4
1/19/2022	11:30:00 - 11:45:00	5	2	5	1	4	3.2	322	-4.4	71	993.3
1/19/2022	11:45:00 - 12:00:00	5	2	5	1	5	3.0	324	-4.3	72	993.4
1/19/2022	12:00:00 - 12:15:00	5	2	5	1	5	3.6	331	-5.0	71	993.3
1/19/2022	12:15:00 - 12:30:00	5	2	5	1	5	3.5	337	-5.0	72	993.2
1/19/2022	12:30:00 - 12:45:00	5	2	6	1	5	3.6	331	-5.3	73	993.1
1/19/2022	12:45:00 - 13:00:00	6	2	6	1	4	3.2	323	-6.0	73	993.0
1/19/2022	13:00:00 - 13:15:00	5	2	5	1	4	2.7	323	-5.9	73	993.0
1/19/2022	13:15:00 - 13:30:00	6	2	6	1	5	3.1	327	-6.3	73	993.3
1/19/2022	13:30:00 - 13:45:00	5	2	5	1	5	3.0	323	-6.7	74	993.6
1/19/2022	13:45:00 - 14:00:00	6	2	6	1	4	3.0	325	-6.6	73	993.8
1/19/2022	14:00:00 - 14:15:00	5	2	5	1	5	2.7	334	-6.7	73	993.9
1/19/2022	14:15:00 - 14:30:00	13	2	9	1	6	3.8	328	-7.0	73	994.2
1/19/2022	14:30:00 - 14:45:00	9	2	7	1	56	2.9	329	-6.7	72	994.4
1/19/2022	14:45:00 - 15:00:00	7	2	6	1	5	3.2	328	-6.9	72	994.7
1/19/2022	15:00:00 - 15:15:00	6	2	6	1	5	3.0	318	-6.8	72	994.9
1/19/2022	15:15:00 - 15:30:00	6	2	6	1	5	2.3	332	-6.8	72	995.3
1/19/2022	15:30:00 - 15:45:00	7	2	6	1	6	3.1	325	-7.1	72	995.6
1/19/2022	15:45:00 - 16:00:00	6	2	6	1	5	2.9	326	-7.3	73	995.7
1/19/2022	16:00:00 - 16:15:00	5	2	6	1	5	3.1	331	-7.5	73	996.0

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/19/2022	16:15:00 - 16:30:00	6	2	6	1	5	3.1	336	-7.8	74	996.1
1/19/2022	16:30:00 - 16:45:00	6	3	5	1	5	3.4	332	-8.0	75	996.5
1/19/2022	16:45:00 - 17:00:00	6	3	6	1	5	2.8	331	-8.2	75	996.6
1/19/2022	17:00:00 - 17:15:00	5	3	6	1	5	2.7	319	-8.4	76	996.9
1/19/2022	17:15:00 - 17:30:00	6	3	6	1	6	3.0	326	-8.6	77	997.2
1/19/2022	17:30:00 - 17:45:00	6	3	6	1	6	2.8	317	-8.9	77	997.7
1/19/2022	17:45:00 - 18:00:00	6	3	6	1	6	2.5	327	-9.1	77	998.0
1/19/2022	18:00:00 - 18:15:00	6	3	6	1	6	3.2	324	-9.3	78	998.1
1/19/2022	18:15:00 - 18:30:00	6	3	6	1	6	2.4	321	-9.2	78	998.4
1/19/2022	18:30:00 - 18:45:00	7	4	7	1	6	3.0	329	-9.3	78	998.6
1/19/2022	18:45:00 - 19:00:00	7	3	6	2	6	3.0	325	-9.5	78	999.0
1/19/2022	19:00:00 - 19:15:00	7	3	6	2	6	3.1	324	-9.8	78	999.3
1/19/2022	19:15:00 - 19:30:00	7	3	6	2	6	2.9	324	-10.0	78	999.5
1/19/2022	19:30:00 - 19:45:00	7	3	6	2	6	2.8	323	-10.1	79	999.7
1/19/2022	19:45:00 - 20:00:00	7	3	7	2	6	2.9	325	-10.3	79	1000.0
1/19/2022	20:00:00 - 20:15:00	7	3	7	2	6	3.9	330	-10.5	79	1000.2
1/19/2022	20:15:00 - 20:30:00	7	3	6	2	6	3.4	326	-10.8	79	1000.3
1/19/2022	20:30:00 - 20:45:00	7	3	7	2	6	3.1	323	-11.0	79	1000.4
1/19/2022	20:45:00 - 21:00:00	7	3	6	2	6	3.3	321	-11.1	80	1000.5
1/19/2022	21:00:00 - 21:15:00	7	3	7	2	6	2.6	324	-11.2	79	1000.8
1/19/2022	21:15:00 - 21:30:00	7	3	6	2	6	3.0	321	-11.4	80	1001.1
1/19/2022	21:30:00 - 21:45:00	7	3	7	2	6	3.0	323	-11.5	80	1001.5
1/19/2022	21:45:00 - 22:00:00	7	3	6	2	6	2.6	322	-11.6	80	1002.0
1/19/2022	22:00:00 - 22:15:00	7	3	6	2	6	2.9	324	-11.7	80	1002.4
1/19/2022	22:15:00 - 22:30:00	8	3	7	2	7	2.4	328	-11.7	80	1002.6
1/19/2022	22:30:00 - 22:45:00	8	3	7	2	7	2.5	329	-11.9	80	1002.9
1/19/2022	22:45:00 - 23:00:00	8	3	7	2	7	2.0	328	-12.0	79	1003.1
1/19/2022	23:00:00 - 23:15:00	8	3	7	2	7	2.5	328	-12.1	80	1003.2
1/19/2022	23:15:00 - 23:30:00	8	3	7	2	7	2.8	321	-12.2	79	1003.4
1/19/2022	23:30:00 - 23:45:00	8	3	7	2	7	2.5	328	-12.2	79	1003.6
1/19/2022	23:45:00 - 00:00:00	8	3	7	2	7	2.6	328	-12.3	79	1003.6
1/20/2022	00:00:00 - 00:15:00	8	3	7	2	7	2.4	324	-12.4	79	1003.6
1/20/2022	00:15:00 - 00:30:00	8	3	7	2	7	2.5	320	-12.5	80	1003.6
1/20/2022	00:30:00 - 00:45:00	8	3	7	2	7	2.2	319	-12.6	80	1003.8
1/20/2022	00:45:00 - 01:00:00	9	4	7	2	8	2.8	321	-12.7	80	1004.0
1/20/2022	01:00:00 - 01:15:00	9	4	7	2	8	2.4	318	-12.8	80	1004.1
1/20/2022	01:15:00 - 01:30:00	9	4	7	2	8	2.5	319	-12.8	81	1004.3
1/20/2022	01:30:00 - 01:45:00	9	4	8	2	8	2.7	322	-12.8	81	1004.4
1/20/2022	01:45:00 - 02:00:00	9	4	7	2	8	2.5	319	-12.9	81	1004.6
1/20/2022	02:00:00 - 02:15:00	9	4	8	2	8	2.9	319	-12.9	81	1004.7
1/20/2022	02:15:00 - 02:30:00	9	4	8	2	8	2.4	321	-12.9	81	1004.8
1/20/2022	02:30:00 - 02:45:00	9	4	8	2	8	2.3	323	-12.9	81	1004.9
1/20/2022	02:45:00 - 03:00:00	9	4	7	2	7	2.7	320	-13.0	81	1004.9
1/20/2022	03:00:00 - 03:15:00	9	4	8	2	7	2.6	318	-13.1	81	1004.9
1/20/2022	03:15:00 - 03:30:00	9	4	8	2	7	2.2	317	-13.1	82	1004.9
1/20/2022	03:30:00 - 03:45:00	9	4	8	2	7	2.3	326	-13.2	82	1005.0
1/20/2022	03:45:00 - 04:00:00	8	3	7	2	7	2.5	321	-13.3	81	1005.0
1/20/2022	04:00:00 - 04:15:00	9	3	7	2	7	2.7	325	-13.4	82	1004.9
1/20/2022	04:15:00 - 04:30:00	8	3	7	2	7	3.1	324	-13.5	81	1005.0
1/20/2022	04:30:00 - 04:45:00	8	3	7	2	7	2.8	323	-13.5	80	1005.1
1/20/2022	04:45:00 - 05:00:00	7	3	7	2	6	2.8	329	-13.6	79	1005.2
1/20/2022	05:00:00 - 05:15:00	8	3	7	2	7	2.8	321	-13.7	80	1005.3
1/20/2022	05:15:00 - 05:30:00	8	3	7	2	7	2.5	320	-13.8	81	1005.6
1/20/2022	05:30:00 - 05:45:00	8	3	7	2	7	2.6	326	-13.9	80	1005.8
1/20/2022	05:45:00 - 06:00:00	7	3	6	2	6	2.6	318	-13.9	79	1006.0
1/20/2022	06:00:00 - 06:15:00	7	3	7	2	6	2.6	321	-14.0	80	1006.2
1/20/2022	06:15:00 - 06:30:00	25	3	15	2	6	2.5	323	-14.1	80	1006.4
1/20/2022	06:30:00 - 06:45:00	9	3	7	2	6	2.7	325	-14.1	79	1006.7
1/20/2022	06:45:00 - 07:00:00	8	3	7	2	6	2.8	318	-14.1	79	1006.9
1/20/2022	07:00:00 - 07:15:00	9	3	7	2	6	3.0	317	-14.1	79	1007.1
1/20/2022	07:15:00 - 07:30:00	8	3	7	2	7	2.8	323	-14.0	79	1007.3
1/20/2022	07:30:00 - 07:45:00	8	3	7	2	6	2.2	328	-13.9	78	1007.3
1/20/2022	07:45:00 - 08:00:00	9	3	7	2	6	2.7	327	-13.6	77	1007.4
1/20/2022	08:00:00 - 08:15:00	8	3	7	1	6	2.7	325	-13.6	77	1007.5
1/20/2022	08:15:00 - 08:30:00	7	3	7	1	6	2.7	326	-13.3	76	1007.6

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



Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/20/2022	08:30:00 - 08:45:00	7	3	6	1	6	2.3	338	-13.1	75	1007.6
1/20/2022	08:45:00 - 09:00:00	9	3	8	1	6	2.3	332	-12.7	74	1007.6
1/20/2022	09:00:00 - 09:15:00	7	3	7	1	6	2.1	344	-12.3	73	1007.6
1/20/2022	09:15:00 - 09:30:00	8	3	7	1	7	1.5	348	-11.6	72	1007.5
1/20/2022	09:30:00 - 09:45:00	7	2	7	1	9	1.5	4	-11.2	70	1007.7
1/20/2022	09:45:00 - 10:00:00	5	3	6	1	7	1.6	354	-10.8	69	1007.7
1/20/2022	10:00:00 - 10:15:00	6	2	6	1	5	1.2	354	-10.3	68	1007.8
1/20/2022	10:15:00 - 10:30:00	5	2	5	1	5	1.9	329	-9.9	66	1007.8
1/20/2022	10:30:00 - 10:45:00	10	2	7	1	5	1.8	350	-9.7	65	1007.7
1/20/2022	10:45:00 - 11:00:00	5	2	5	1	5	1.6	345	-9.3	64	1007.6
1/20/2022	11:00:00 - 11:15:00	7	2	7	1	5	1.7	342	-8.9	62	1007.6
1/20/2022	11:15:00 - 11:30:00	7	2	6	1	5	1.9	331	-8.6	60	1007.4
1/20/2022	11:30:00 - 11:45:00	5	2	5	1	6	2.1	332	-8.7	59	1007.1
1/20/2022	11:45:00 - 12:00:00	4	2	4	1	3	2.1	326	-8.5	59	1006.8
1/20/2022	12:00:00 - 12:15:00	4	2	5	1	4	2.3	351	-8.0	58	1006.8
1/20/2022	12:15:00 - 12:30:00	4	2	5	1	4	2.3	350	-7.8	57	1006.4
1/20/2022	12:30:00 - 12:45:00	4	2	4	1	4	2.1	347	-7.6	57	1006.4
1/20/2022	12:45:00 - 13:00:00	3	2	4	1	5	1.8	357	-7.0	54	1006.4
1/20/2022	13:00:00 - 13:15:00	5	2	5	1	4	2.2	342	-7.1	55	1006.3
1/20/2022	13:15:00 - 13:30:00	6	2	5	1	4	2.4	338	-6.8	54	1006.2
1/20/2022	13:30:00 - 13:45:00	4	2	4	1	4	2.0	347	-6.6	53	1006.2
1/20/2022	13:45:00 - 14:00:00	3	2	4	1	4	2.9	332	-6.8	54	1006.1
1/20/2022	14:00:00 - 14:15:00	3	2	4	1	4	1.7	354	-6.6	54	1006.0
1/20/2022	14:15:00 - 14:30:00	3	2	4	1	4	1.6	357	-6.3	53	1006.0
1/20/2022	14:30:00 - 14:45:00	3	2	4	1	3	2.0	346	-6.5	53	1006.0
1/20/2022	14:45:00 - 15:00:00	3	2	4	1	4	2.0	356	-6.5	53	1006.1
1/20/2022	15:00:00 - 15:15:00	3	2	4	1	4	1.8	9	-6.5	52	1006.2
1/20/2022	15:15:00 - 15:30:00	3	2	4	1	4	1.8	1	-6.7	52	1006.2
1/20/2022	15:30:00 - 15:45:00	3	2	4	1	4	1.5	11	-7.0	53	1006.3
1/20/2022	15:45:00 - 16:00:00	5	2	5	1	4	1.6	350	-7.1	54	1006.3
1/20/2022	16:00:00 - 16:15:00	4	2	5	1	4	1.6	349	-7.3	55	1006.3
1/20/2022	16:15:00 - 16:30:00	4	2	5	1	4	1.5	353	-7.5	56	1006.3
1/20/2022	16:30:00 - 16:45:00	4	2	5	1	5	1.3	7	-7.7	57	1006.4
1/20/2022	16:45:00 - 17:00:00	4	2	5	1	4	1.2	349	-8.1	59	1006.4
1/20/2022	17:00:00 - 17:15:00	5	2	5	1	4	1.1	348	-8.3	60	1006.6
1/20/2022	17:15:00 - 17:30:00	5	2	5	1	4	1.1	348	-8.6	62	1006.9
1/20/2022	17:30:00 - 17:45:00	5	2	5	1	4	1.0	339	-8.8	63	1007.0
1/20/2022	17:45:00 - 18:00:00	6	3	6	1	4	0.8	349	-9.1	65	1007.2
1/20/2022	18:00:00 - 18:15:00	5	2	5	1	4	0.8	337	-9.3	66	1007.3
1/20/2022	18:15:00 - 18:30:00	5	2	5	1	4	0.6	329	-9.6	67	1007.4
1/20/2022	18:30:00 - 18:45:00	5	2	5	1	4	0.7	337	-9.8	68	1007.6
1/20/2022	18:45:00 - 19:00:00	5	3	6	1	5	0.6	332	-10.0	69	1007.7
1/20/2022	19:00:00 - 19:15:00	6	3	6	1	5	0.5	322	-10.2	70	1007.8
1/20/2022	19:15:00 - 19:30:00	6	3	6	1	4	0.6	342	-10.4	71	1007.8
1/20/2022	19:30:00 - 19:45:00	6	3	6	1	5	0.4	327	-10.5	72	1007.9
1/20/2022	19:45:00 - 20:00:00	6	3	6	2	5	0.9	313	-10.7	73	1008.0
1/20/2022	20:00:00 - 20:15:00	6	3	6	1	5	1.1	310	-11.0	73	1008.0
1/20/2022	20:15:00 - 20:30:00	6	3	6	1	5	1.1	319	-11.1	74	1008.0
1/20/2022	20:30:00 - 20:45:00	6	3	6	1	5	0.9	311	-11.3	76	1007.9
1/20/2022	20:45:00 - 21:00:00	7	3	6	2	6	1.0	315	-11.5	77	1008.0
1/20/2022	21:00:00 - 21:15:00	7	3	7	2	6	0.5	330	-11.6	78	1007.9
1/20/2022	21:15:00 - 21:30:00	8	3	7	2	7	0.4	341	-11.8	78	1008.0
1/20/2022	21:30:00 - 21:45:00	7	3	6	2	6	0.6	350	-12.0	79	1008.0
1/20/2022	21:45:00 - 22:00:00	7	3	6	2	6	0.6	350	-12.2	79	1008.0
1/20/2022	22:00:00 - 22:15:00	7	3	6	2	6	0.4	344	-12.3	79	1008.0
1/20/2022	22:15:00 - 22:30:00	7	3	6	2	6	0.7	349	-12.4	80	1007.8
1/20/2022	22:30:00 - 22:45:00	8	3	7	2	6	0.7	329	-12.4	79	1007.8
1/20/2022	22:45:00 - 23:00:00	7	3	7	2	6	0.6	331	-12.6	79	1007.8
1/20/2022	23:00:00 - 23:15:00	7	3	6	2	6	0.8	337	-12.7	79	1007.7
1/20/2022	23:15:00 - 23:30:00	8	3	7	2	6	0.6	312	-12.7	79	1007.6
1/20/2022	23:30:00 - 23:45:00	7	3	7	2	6	0.6	331	-12.8	79	1007.5
1/20/2022	23:45:00 - 00:00:00	7	3	7	2	6	0.7	315	-12.9	79	1007.4
1/21/2022	00:00:00 - 00:15:00	8	3	7	2	6	0.4	329	-13.0	79	1007.2
1/21/2022	00:15:00 - 00:30:00	8	3	7	2	7	0.3	347	-13.2	80	1007.1
1/21/2022	00:30:00 - 00:45:00	9	3	7	2	7	0.4	358	-13.4	81	1007.1

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [ $^{\circ}\text{C}$ ]	Relative Humidity (%)	Pressure (mb)
1/21/2022	00:45:00 - 01:00:00	9	4	7	2	7	0.6	5	-13.5	81	1007.0
1/21/2022	01:00:00 - 01:15:00	9	4	7	2	7	0.7	3	-13.6	81	1007.0
1/21/2022	01:15:00 - 01:30:00	9	4	7	2	8	0.3	358	-13.7	82	1007.0
1/21/2022	01:30:00 - 01:45:00	9	4	7	2	8	0.5	341	-13.8	82	1007.1
1/21/2022	01:45:00 - 02:00:00	9	4	7	2	8	0.4	356	-13.9	82	1007.1
1/21/2022	02:00:00 - 02:15:00	10	4	7	2	8	0.6	345	-14.0	83	1007.2
1/21/2022	02:15:00 - 02:30:00	9	4	8	2	9	0.4	3	-14.0	83	1007.2
1/21/2022	02:30:00 - 02:45:00	10	4	8	2	8	0.6	353	-14.1	83	1007.2
1/21/2022	02:45:00 - 03:00:00	10	4	8	2	9	0.4	3	-14.2	83	1007.2
1/21/2022	03:00:00 - 03:15:00	10	4	8	2	9	0.4	8	-14.3	83	1007.2
1/21/2022	03:15:00 - 03:30:00	11	4	8	2	8	0.6	353	-14.3	84	1007.3
1/21/2022	03:30:00 - 03:45:00	10	4	8	2	9	0.6	359	-14.5	84	1007.2
1/21/2022	03:45:00 - 04:00:00	11	4	9	2	9	0.7	358	-14.5	84	1007.3
1/21/2022	04:00:00 - 04:15:00	11	4	9	2	9	0.7	351	-14.6	84	1007.4
1/21/2022	04:15:00 - 04:30:00	12	4	9	2	10	0.7	10	-14.7	84	1007.5
1/21/2022	04:30:00 - 04:45:00	12	4	9	3	10	0.8	29	-14.7	84	1007.6
1/21/2022	04:45:00 - 05:00:00	12	5	9	3	11	0.8	27	-14.9	85	1007.7
1/21/2022	05:00:00 - 05:15:00	13	5	10	3	12	0.4	27	-15.0	85	1007.8
1/21/2022	05:15:00 - 05:30:00	13	5	10	3	11	0.3	6	-15.1	85	1007.9
1/21/2022	05:30:00 - 05:45:00	14	5	10	3	11	0.4	4	-15.0	85	1008.0
1/21/2022	05:45:00 - 06:00:00	14	5	10	3	11	0.3	356	-15.1	85	1008.0
1/21/2022	06:00:00 - 06:15:00	15	5	11	3	11	0.4	338	-15.1	86	1008.1
1/21/2022	06:15:00 - 06:30:00	15	5	10	3	12	0.2	41	-15.3	86	1008.1
1/21/2022	06:30:00 - 06:45:00	17	5	11	3	12	0.4	4	-15.2	86	1008.3
1/21/2022	06:45:00 - 07:00:00	16	5	11	3	13	0.3	35	-15.4	86	1008.3
1/21/2022	07:00:00 - 07:15:00	19	7	12	4	15	0.4	58	-15.5	86	1008.2
1/21/2022	07:15:00 - 07:30:00	23	8	15	5	19	0.5	58	-15.4	87	1008.2
1/21/2022	07:30:00 - 07:45:00	24	8	15	5	20	0.2	22	-15.1	87	1008.3
1/21/2022	07:45:00 - 08:00:00	22	7	14	5	18	0.2	22	-14.2	85	1008.2
1/21/2022	08:00:00 - 08:15:00	21	6	14	6	17	0.4	127	-13.4	83	1008.0
1/21/2022	08:15:00 - 08:30:00	18	6	14	5	16	0.3	109	-12.6	82	1008.0
1/21/2022	08:30:00 - 08:45:00	17	5	13	4	15	0.8	107	-11.7	80	1008.0
1/21/2022	08:45:00 - 09:00:00	16	5	14	3	13	0.6	107	-10.7	78	1008.0
1/21/2022	09:00:00 - 09:15:00	14	5	12	3	12	0.8	110	-9.3	76	1007.9
1/21/2022	09:15:00 - 09:30:00	12	4	10	3	10	1.4	103	-8.4	72	1007.6
1/21/2022	09:30:00 - 09:45:00	11	4	9	2	9	1.8	93	-7.6	71	1007.6
1/21/2022	09:45:00 - 10:00:00	10	4	9	2	9	2.1	110	-6.9	70	1007.6
1/21/2022	10:00:00 - 10:15:00	9	4	8	2	9	2.8	101	-6.9	70	1007.6
1/21/2022	10:15:00 - 10:30:00	8	4	8	2	8	2.4	115	-6.7	68	1007.6
1/21/2022	10:30:00 - 10:45:00	8	4	8	2	8	1.7	114	-6.3	66	1007.5
1/21/2022	10:45:00 - 11:00:00	8	3	8	2	8	1.5	109	-6.2	63	1007.4
1/21/2022	11:00:00 - 11:15:00	6	Offline	7	2	7	1.8	114	-5.4	58	1007.4
1/21/2022	11:15:00 - 11:30:00	6	3	6	2	6	1.6	115	-5.7	59	1007.3
1/21/2022	11:30:00 - 11:45:00	6	3	6	2	6	1.8	85	-5.7	58	1007.0
1/21/2022	11:45:00 - 12:00:00	6	3	7	2	7	1.8	101	-5.3	57	1006.8
1/21/2022	12:00:00 - 12:15:00	9	3	9	2	8	1.8	77	-5.3	57	1006.7
1/21/2022	12:15:00 - 12:30:00	7	3	7	2	6	1.5	107	-5.1	56	1006.4
1/21/2022	12:30:00 - 12:45:00	6	3	7	2	6	1.2	160	-4.7	55	1006.3
1/21/2022	12:45:00 - 13:00:00	6	3	6	2	6	1.4	126	-4.8	55	1006.2
1/21/2022	13:00:00 - 13:15:00	6	3	6	2	6	1.3	134	-4.4	54	1006.1
1/21/2022	13:15:00 - 13:30:00	6	3	6	2	7	0.8	95	-4.4	54	1005.9
1/21/2022	13:30:00 - 13:45:00	6	3	6	2	6	1.2	132	-4.1	53	1005.7
1/21/2022	13:45:00 - 14:00:00	7	3	6	2	7	1.2	95	-4.4	54	1005.6
1/21/2022	14:00:00 - 14:15:00	7	3	7	2	7	1.3	119	-4.1	53	1005.5
1/21/2022	14:15:00 - 14:30:00	7	3	7	2	7	1.4	118	-4.0	53	1005.1
1/21/2022	14:30:00 - 14:45:00	7	3	7	2	7	1.6	94	-4.3	53	1005.3
1/21/2022	14:45:00 - 15:00:00	7	3	7	2	7	1.2	81	-4.0	53	1005.4
1/21/2022	15:00:00 - 15:15:00	7	3	7	2	7	1.4	118	-4.0	53	1005.1
1/21/2022	15:15:00 - 15:30:00	7	3	7	2	7	1.1	181	-3.7	52	1005.0
1/21/2022	15:30:00 - 15:45:00	8	3	7	2	8	0.9	149	-4.2	53	1005.1
1/21/2022	15:45:00 - 16:00:00	8	3	8	2	8	1.3	114	-4.7	55	1005.1
1/21/2022	16:00:00 - 16:15:00	8	3	8	2	8	0.7	124	-4.9	55	1005.0
1/21/2022	16:15:00 - 16:30:00	9	4	8	2	8	0.7	131	-4.9	56	1004.9
1/21/2022	16:30:00 - 16:45:00	9	4	9	2	9	0.8	175	-5.0	55	1004.8
1/21/2022	16:45:00 - 17:00:00	10	4	9	2	9	1.1	150	-5.2	55	1004.8

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [ $^{\circ}\text{C}$ ]	Relative Humidity (%)	Pressure (mb)
1/21/2022	17:00:00 - 17:15:00	10	4	9	2	9	0.7	173	-5.5	56	1004.8
1/21/2022	17:15:00 - 17:30:00	11	4	9	2	9	0.7	172	-6.0	58	1004.8
1/21/2022	17:30:00 - 17:45:00	11	4	10	2	10	0.8	159	-5.8	59	1004.7
1/21/2022	17:45:00 - 18:00:00	12	4	10	3	10	1.0	144	-5.8	59	1004.6
1/21/2022	18:00:00 - 18:15:00	13	5	11	3	11	1.4	144	-5.7	59	1004.7
1/21/2022	18:15:00 - 18:30:00	13	5	11	3	11	1.6	142	-5.7	59	1004.5
1/21/2022	18:30:00 - 18:45:00	13	5	11	3	12	1.2	131	-6.0	61	1004.2
1/21/2022	18:45:00 - 19:00:00	14	5	12	3	12	1.0	141	-6.2	61	1004.2
1/21/2022	19:00:00 - 19:15:00	13	5	11	3	12	0.9	153	-6.3	62	1004.3
1/21/2022	19:15:00 - 19:30:00	13	5	11	3	12	0.7	183	-6.7	63	1004.4
1/21/2022	19:30:00 - 19:45:00	15	5	12	3	13	0.6	200	-6.9	65	1004.6
1/21/2022	19:45:00 - 20:00:00	17	6	14	3	15	0.6	215	-7.0	65	1004.5
1/21/2022	20:00:00 - 20:15:00	14	6	11	3	12	0.4	216	-7.3	67	1004.6
1/21/2022	20:15:00 - 20:30:00	14	5	12	3	13	0.5	195	-7.9	69	1004.3
1/21/2022	20:30:00 - 20:45:00	17	7	14	3	15	0.8	235	-7.6	69	1004.0
1/21/2022	20:45:00 - 21:00:00	23	8	18	5	19	0.9	238	-7.8	70	1003.9
1/21/2022	21:00:00 - 21:15:00	22	7	17	5	18	0.7	231	-8.1	72	1004.3
1/21/2022	21:15:00 - 21:30:00	20	7	16	4	17	0.8	232	-8.2	73	1004.4
1/21/2022	21:30:00 - 21:45:00	20	7	16	4	17	0.7	199	-8.4	73	1004.2
1/21/2022	21:45:00 - 22:00:00	18	6	14	4	15	0.8	213	-8.1	72	1004.0
1/21/2022	22:00:00 - 22:15:00	16	6	13	3	14	1.0	208	-7.7	72	1003.8
1/21/2022	22:15:00 - 22:30:00	16	6	13	3	13	1.2	205	-7.5	72	1003.3
1/21/2022	22:30:00 - 22:45:00	18	6	14	4	15	1.0	219	-7.6	71	1003.1
1/21/2022	22:45:00 - 23:00:00	19	6	15	4	15	0.8	214	-8.1	73	1003.2
1/21/2022	23:00:00 - 23:15:00	16	5	13	3	13	1.0	197	-7.9	73	1002.9
1/21/2022	23:15:00 - 23:30:00	15	5	12	3	12	1.1	184	-7.8	71	1002.7
1/21/2022	23:30:00 - 23:45:00	15	5	12	3	13	1.1	189	-8.1	72	1002.5
1/21/2022	23:45:00 - 00:00:00	16	6	13	3	14	1.2	189	-8.5	73	1002.6
1/22/2022	00:00:00 - 00:15:00	17	6	13	3	14	1.0	189	-8.7	74	1002.7
1/22/2022	00:15:00 - 00:30:00	17	6	13	4	14	1.2	199	-8.8	75	1002.7
1/22/2022	00:30:00 - 00:45:00	16	6	13	3	14	1.5	202	-8.3	74	1002.5
1/22/2022	00:45:00 - 01:00:00	17	6	13	4	14	1.6	210	-8.0	73	1002.4
1/22/2022	01:00:00 - 01:15:00	18	6	14	4	16	1.8	214	-8.2	73	1002.4
1/22/2022	01:15:00 - 01:30:00	19	7	15	4	17	1.3	242	-8.5	74	1002.6
1/22/2022	01:30:00 - 01:45:00	19	7	15	4	16	1.3	239	-8.7	75	1002.9
1/22/2022	01:45:00 - 02:00:00	18	7	15	4	16	1.7	248	-8.9	76	1003.3
1/22/2022	02:00:00 - 02:15:00	17	6	14	4	15	1.5	211	-9.1	77	1002.9
1/22/2022	02:15:00 - 02:30:00	17	6	14	4	15	1.4	208	-9.1	77	1002.8
1/22/2022	02:30:00 - 02:45:00	17	6	14	4	15	1.4	216	-9.0	76	1002.6
1/22/2022	02:45:00 - 03:00:00	18	6	14	4	15	1.5	222	-9.0	77	1002.3
1/22/2022	03:00:00 - 03:15:00	18	6	15	4	16	1.4	231	-9.0	77	1002.0
1/22/2022	03:15:00 - 03:30:00	19	7	15	4	16	1.9	210	-8.9	77	1001.8
1/22/2022	03:30:00 - 03:45:00	19	7	15	4	17	1.7	210	-8.8	77	1001.6
1/22/2022	03:45:00 - 04:00:00	19	7	15	4	17	1.9	204	-8.9	78	1001.4
1/22/2022	04:00:00 - 04:15:00	19	7	15	4	16	2.0	214	-8.8	77	1001.3
1/22/2022	04:15:00 - 04:30:00	20	7	15	4	17	2.0	205	-8.9	78	1001.3
1/22/2022	04:30:00 - 04:45:00	19	7	15	4	17	2.2	212	-8.7	77	1001.2
1/22/2022	04:45:00 - 05:00:00	19	7	15	4	17	1.8	211	-8.7	77	1001.0
1/22/2022	05:00:00 - 05:15:00	19	7	15	4	17	2.2	213	-8.5	77	1000.7
1/22/2022	05:15:00 - 05:30:00	19	8	16	4	17	2.2	213	-8.6	78	1000.6
1/22/2022	05:30:00 - 05:45:00	20	7	16	4	17	2.1	214	-8.6	78	1000.6
1/22/2022	05:45:00 - 06:00:00	19	7	16	4	17	2.3	213	-8.5	78	1000.3
1/22/2022	06:00:00 - 06:15:00	19	7	15	4	17	2.8	210	-8.3	78	999.9
1/22/2022	06:15:00 - 06:30:00	19	7	15	4	16	2.4	211	-8.1	78	999.8
1/22/2022	06:30:00 - 06:45:00	19	7	15	4	16	2.5	205	-7.9	78	999.9
1/22/2022	06:45:00 - 07:00:00	19	7	16	4	17	2.3	206	-7.7	78	999.9
1/22/2022	07:00:00 - 07:15:00	19	7	15	4	17	2.5	206	-7.6	78	999.8
1/22/2022	07:15:00 - 07:30:00	18	7	15	4	17	2.4	206	-7.3	77	999.5
1/22/2022	07:30:00 - 07:45:00	18	7	15	4	16	2.9	209	-7.1	76	999.3
1/22/2022	07:45:00 - 08:00:00	18	6	14	4	15	2.3	209	-6.9	75	999.1
1/22/2022	08:00:00 - 08:15:00	16	6	14	4	15	2.8	213	-6.8	74	999.2
1/22/2022	08:15:00 - 08:30:00	16	6	13	3	15	2.6	208	-6.5	74	999.2
1/22/2022	08:30:00 - 08:45:00	15	6	13	3	14	2.7	213	-6.3	72	999.1
1/22/2022	08:45:00 - 09:00:00	14	6	12	3	13	2.7	215	-5.9	71	998.9
1/22/2022	09:00:00 - 09:15:00	13	5	11	3	13	2.5	219	-5.4	69	998.7

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/22/2022	09:15:00 - 09:30:00	13	5	11	3	12	2.3	221	-5.0	67	998.7
1/22/2022	09:30:00 - 09:45:00	12	5	11	3	11	2.0	236	-4.6	65	998.5
1/22/2022	09:45:00 - 10:00:00	12	5	11	3	11	1.9	229	-4.4	64	998.5
1/22/2022	10:00:00 - 10:15:00	11	5	10	3	11	2.0	220	-3.6	63	998.4
1/22/2022	10:15:00 - 10:30:00	11	5	10	3	11	2.2	251	-3.2	61	998.5
1/22/2022	10:30:00 - 10:45:00	11	5	10	3	11	2.2	236	-3.0	61	998.4
1/22/2022	10:45:00 - 11:00:00	11	5	10	3	11	2.3	235	-2.7	59	998.2
1/22/2022	11:00:00 - 11:15:00	11	5	10	3	11	2.1	238	-2.6	59	997.9
1/22/2022	11:15:00 - 11:30:00	10	4	10	3	11	2.1	238	-2.3	58	997.8
1/22/2022	11:30:00 - 11:45:00	10	4	9	2	10	2.4	247	-1.8	55	997.5
1/22/2022	11:45:00 - 12:00:00	9	4	9	2	9	2.9	255	-1.3	53	997.1
1/22/2022	12:00:00 - 12:15:00	9	4	8	2	9	2.9	266	-0.8	52	996.8
1/22/2022	12:15:00 - 12:30:00	9	4	8	2	9	3.0	263	-0.5	52	996.6
1/22/2022	12:30:00 - 12:45:00	9	4	8	2	9	3.3	265	-0.2	52	996.3
1/22/2022	12:45:00 - 13:00:00	8	4	8	2	8	3.0	269	0.2	52	996.1
1/22/2022	13:00:00 - 13:15:00	8	4	8	2	8	2.7	275	0.8	50	996.1
1/22/2022	13:15:00 - 13:30:00	8	3	7	2	8	2.8	267	1.1	50	996.0
1/22/2022	13:30:00 - 13:45:00	8	3	7	2	8	3.8	274	1.5	50	995.8
1/22/2022	13:45:00 - 14:00:00	7	3	7	2	7	3.9	271	1.8	51	995.8
1/22/2022	14:00:00 - 14:15:00	7	3	7	2	7	3.4	285	2.1	52	995.6
1/22/2022	14:15:00 - 14:30:00	7	3	7	2	7	3.3	282	2.0	53	995.5
1/22/2022	14:30:00 - 14:45:00	7	3	6	2	6	3.3	282	2.1	54	995.3
1/22/2022	14:45:00 - 15:00:00	7	3	7	2	7	3.9	274	2.1	53	995.2
1/22/2022	15:00:00 - 15:15:00	6	3	6	2	6	3.7	287	2.0	54	995.2
1/22/2022	15:15:00 - 15:30:00	6	3	6	2	6	3.5	287	1.9	52	995.1
1/22/2022	15:30:00 - 15:45:00	6	3	6	2	5	3.5	293	1.7	52	994.9
1/22/2022	15:45:00 - 16:00:00	5	3	5	2	6	3.2	296	1.4	51	994.9
1/22/2022	16:00:00 - 16:15:00	6	3	6	1	6	2.4	288	1.3	52	994.9
1/22/2022	16:15:00 - 16:30:00	5	3	5	2	6	2.9	279	1.0	53	994.9
1/22/2022	16:30:00 - 16:45:00	5	3	5	1	5	2.5	291	0.7	53	994.9
1/22/2022	16:45:00 - 17:00:00	4	3	5	1	5	2.4	288	0.3	53	995.0
1/22/2022	17:00:00 - 17:15:00	4	3	5	1	5	1.8	288	-0.1	55	994.9
1/22/2022	17:15:00 - 17:30:00	5	3	5	1	6	2.1	284	-0.5	57	995.0
1/22/2022	17:30:00 - 17:45:00	5	3	6	1	6	1.8	282	-0.8	58	995.0
1/22/2022	17:45:00 - 18:00:00	5	3	6	2	6	2.2	277	-1.0	59	994.9
1/22/2022	18:00:00 - 18:15:00	6	3	6	2	7	2.3	271	-1.1	60	994.9
1/22/2022	18:15:00 - 18:30:00	6	3	6	2	7	2.4	272	-1.2	61	994.8
1/22/2022	18:30:00 - 18:45:00	6	3	6	2	7	2.7	271	-1.3	60	994.7
1/22/2022	18:45:00 - 19:00:00	6	3	6	2	6	2.4	268	-1.4	60	994.5
1/22/2022	19:00:00 - 19:15:00	5	3	6	2	6	2.1	270	-1.4	59	994.2
1/22/2022	19:15:00 - 19:30:00	5	3	6	2	6	2.3	270	-1.5	60	994.1
1/22/2022	19:30:00 - 19:45:00	5	3	6	2	6	2.4	268	-1.6	60	993.9
1/22/2022	19:45:00 - 20:00:00	5	3	6	2	6	2.4	265	-1.6	60	993.8
1/22/2022	20:00:00 - 20:15:00	5	3	6	2	6	2.1	262	-1.8	61	993.8
1/22/2022	20:15:00 - 20:30:00	5	3	6	1	6	1.7	259	-1.9	61	993.8
1/22/2022	20:30:00 - 20:45:00	5	3	6	1	6	1.3	246	-1.9	62	993.5
1/22/2022	20:45:00 - 21:00:00	5	3	6	1	5	1.1	240	-2.2	63	993.3
1/22/2022	21:00:00 - 21:15:00	5	3	5	1	5	1.3	253	-2.3	63	993.2
1/22/2022	21:15:00 - 21:30:00	5	3	5	1	6	1.7	265	-2.2	62	993.2
1/22/2022	21:30:00 - 21:45:00	5	3	5	1	5	1.5	265	-2.2	62	993.2
1/22/2022	21:45:00 - 22:00:00	5	3	6	1	6	1.0	248	-2.1	64	993.0
1/22/2022	22:00:00 - 22:15:00	6	3	6	2	6	1.0	233	-2.1	66	992.6
1/22/2022	22:15:00 - 22:30:00	6	3	6	2	7	0.8	215	-2.4	67	992.2
1/22/2022	22:30:00 - 22:45:00	7	3	7	2	7	1.1	219	-2.3	68	991.7
1/22/2022	22:45:00 - 23:00:00	7	3	7	2	8	1.7	227	-2.1	69	991.3
1/22/2022	23:00:00 - 23:15:00	8	4	7	2	8	1.5	229	-2.2	70	991.3
1/22/2022	23:15:00 - 23:30:00	8	4	7	2	8	1.3	222	-2.3	71	991.2
1/22/2022	23:30:00 - 23:45:00	7	3	7	2	8	1.3	225	-2.2	70	990.9
1/22/2022	23:45:00 - 00:00:00	7	3	7	2	7	1.7	222	-2.1	70	990.4
1/23/2022	00:00:00 - 00:15:00	7	3	7	2	8	1.6	212	-2.2	70	989.9
1/23/2022	00:15:00 - 00:30:00	7	3	7	2	7	1.2	202	-2.4	71	989.3
1/23/2022	00:30:00 - 00:45:00	7	3	7	2	8	1.1	200	-2.6	72	989.0
1/23/2022	00:45:00 - 01:00:00	7	3	7	2	8	1.3	199	-2.6	72	988.8
1/23/2022	01:00:00 - 01:15:00	7	4	7	2	8	2.0	210	-2.1	70	988.5
1/23/2022	01:15:00 - 01:30:00	7	3	7	2	8	2.2	208	-1.7	68	988.0

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/23/2022	01:30:00 - 01:45:00	7	3	7	2	7	2.4	211	-1.5	67	987.6
1/23/2022	01:45:00 - 02:00:00	7	3	7	2	7	2.2	208	-1.4	67	987.2
1/23/2022	02:00:00 - 02:15:00	7	3	7	2	7	2.5	210	-1.2	67	986.8
1/23/2022	02:15:00 - 02:30:00	7	4	7	2	8	2.7	208	-1.0	67	986.5
1/23/2022	02:30:00 - 02:45:00	7	3	7	2	8	1.9	212	-0.7	67	986.1
1/23/2022	02:45:00 - 03:00:00	7	3	7	2	8	2.4	217	-0.5	67	985.5
1/23/2022	03:00:00 - 03:15:00	7	3	7	2	8	2.4	207	-0.3	66	985.1
1/23/2022	03:15:00 - 03:30:00	7	3	7	2	8	2.3	212	0.1	66	984.8
1/23/2022	03:30:00 - 03:45:00	8	4	8	2	8	2.1	214	0.4	66	984.3
1/23/2022	03:45:00 - 04:00:00	8	4	8	2	8	2.2	221	0.6	66	984.2
1/23/2022	04:00:00 - 04:15:00	8	4	8	2	9	2.8	226	1.2	68	983.6
1/23/2022	04:15:00 - 04:30:00	8	4	8	2	9	2.2	232	1.3	72	983.3
1/23/2022	04:30:00 - 04:45:00	8	4	8	2	9	2.4	233	1.5	70	983.1
1/23/2022	04:45:00 - 05:00:00	9	4	8	2	9	1.9	239	1.7	68	983.0
1/23/2022	05:00:00 - 05:15:00	8	4	8	2	9	2.3	257	1.8	67	982.9
1/23/2022	05:15:00 - 05:30:00	8	4	8	2	9	2.1	252	1.8	67	982.8
1/23/2022	05:30:00 - 05:45:00	8	4	8	2	8	2.6	256	2.1	66	982.7
1/23/2022	05:45:00 - 06:00:00	7	3	7	2	8	1.9	256	2.3	65	982.5
1/23/2022	06:00:00 - 06:15:00	7	3	7	2	8	2.1	251	2.3	65	982.5
1/23/2022	06:15:00 - 06:30:00	7	3	7	2	7	2.8	260	2.4	65	982.5
1/23/2022	06:30:00 - 06:45:00	6	3	6	2	6	3.3	270	2.8	65	982.5
1/23/2022	06:45:00 - 07:00:00	5	3	5	1	5	4.1	267	3.4	64	982.5
1/23/2022	07:00:00 - 07:15:00	4	3	5	1	5	4.5	272	3.4	65	982.6
1/23/2022	07:15:00 - 07:30:00	8	3	6	1	5	4.9	284	3.3	67	983.0
1/23/2022	07:30:00 - 07:45:00	7	3	6	2	6	4.7	313	1.4	78	983.9
1/23/2022	07:45:00 - 08:00:00	8	3	7	2	8	4.5	312	-0.7	82	984.4
1/23/2022	08:00:00 - 08:15:00	14	5	12	3	12	4.6	333	-2.4	84	984.7
1/23/2022	08:15:00 - 08:30:00	19	6	15	4	16	4.2	336	-3.5	86	985.1
1/23/2022	08:30:00 - 08:45:00	15	6	13	3	14	3.8	349	-3.5	86	985.4
1/23/2022	08:45:00 - 09:00:00	12	4	10	3	11	3.9	350	-3.6	83	985.9
1/23/2022	09:00:00 - 09:15:00	11	4	10	3	10	3.8	339	-4.0	83	986.3
1/23/2022	09:15:00 - 09:30:00	10	4	9	2	9	3.7	336	-4.5	83	986.8
1/23/2022	09:30:00 - 09:45:00	10	4	9	2	9	3.4	338	-4.9	83	987.2
1/23/2022	09:45:00 - 10:00:00	8	3	7	2	7	3.1	348	-5.3	82	987.6
1/23/2022	10:00:00 - 10:15:00	7	3	7	2	7	2.9	334	-5.4	81	987.9
1/23/2022	10:15:00 - 10:30:00	7	3	7	2	7	3.1	323	-5.2	80	988.0
1/23/2022	10:30:00 - 10:45:00	7	3	6	2	7	2.9	332	-5.0	80	988.1
1/23/2022	10:45:00 - 11:00:00	6	3	6	2	7	3.6	326	-5.2	78	988.2
1/23/2022	11:00:00 - 11:15:00	5	3	6	1	6	3.0	334	-4.8	76	988.3
1/23/2022	11:15:00 - 11:30:00	5	3	5	1	5	3.1	320	-4.4	74	988.4
1/23/2022	11:30:00 - 11:45:00	5	2	5	1	5	3.3	330	-3.9	70	988.3
1/23/2022	11:45:00 - 12:00:00	4	2	4	1	4	3.8	326	-4.7	70	988.6
1/23/2022	12:00:00 - 12:15:00	3	2	4	1	4	3.1	333	-4.5	69	988.6
1/23/2022	12:15:00 - 12:30:00	4	2	4	1	4	2.8	346	-4.3	67	988.6
1/23/2022	12:30:00 - 12:45:00	4	2	4	1	4	3.2	345	-4.0	66	988.4
1/23/2022	12:45:00 - 13:00:00	4	2	5	1	4	2.7	330	-3.7	65	988.5
1/23/2022	13:00:00 - 13:15:00	3	2	4	1	4	2.3	349	-3.8	66	988.5
1/23/2022	13:15:00 - 13:30:00	3	2	4	1	4	2.5	332	-3.8	66	988.7
1/23/2022	13:30:00 - 13:45:00	3	2	4	1	4	2.2	355	-3.4	65	988.5
1/23/2022	13:45:00 - 14:00:00	3	2	4	1	4	2.0	347	-3.5	64	988.6
1/23/2022	14:00:00 - 14:15:00	4	2	4	1	4	1.7	336	-3.8	64	988.6
1/23/2022	14:15:00 - 14:30:00	3	2	4	1	4	2.0	334	-3.9	65	988.6
1/23/2022	14:30:00 - 14:45:00	3	2	4	1	4	2.6	322	-3.9	64	988.7
1/23/2022	14:45:00 - 15:00:00	3	2	4	1	4	2.3	326	-3.6	63	988.5
1/23/2022	15:00:00 - 15:15:00	4	2	5	1	5	2.4	333	-3.6	62	988.4
1/23/2022	15:15:00 - 15:30:00	3	2	4	1	4	1.7	334	-3.7	62	988.2
1/23/2022	15:30:00 - 15:45:00	4	2	5	1	4	1.8	330	-3.9	63	988.5
1/23/2022	15:45:00 - 16:00:00	4	2	5	1	5	1.5	359	-4.1	63	988.6
1/23/2022	16:00:00 - 16:15:00	4	2	5	1	4	1.9	324	-4.2	63	988.7
1/23/2022	16:15:00 - 16:30:00	4	2	5	1	5	1.6	324	-4.4	63	988.9
1/23/2022	16:30:00 - 16:45:00	5	3	5	1	5	2.1	329	-4.7	63	989.1
1/23/2022	16:45:00 - 17:00:00	5	3	5	1	4	1.5	329	-5.1	64	989.2
1/23/2022	17:00:00 - 17:15:00	4	3	5	1	4	1.2	319	-5.4	65	989.4
1/23/2022	17:15:00 - 17:30:00	4	2	5	1	4	1.3	327	-5.7	65	989.4
1/23/2022	17:30:00 - 17:45:00	4	2	5	1	4	1.3	329	-6.1	66	989.5

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/23/2022	17:45:00 - 18:00:00	4	2	5	1	4	1.3	329	-6.4	67	989.4
1/23/2022	18:00:00 - 18:15:00	4	2	5	1	4	1.3	322	-6.6	67	989.5
1/23/2022	18:15:00 - 18:30:00	4	2	5	1	4	0.7	340	-6.8	67	989.4
1/23/2022	18:30:00 - 18:45:00	4	2	5	1	4	0.8	343	-7.1	68	989.2
1/23/2022	18:45:00 - 19:00:00	4	2	5	1	4	1.5	325	-7.2	67	989.4
1/23/2022	19:00:00 - 19:15:00	3	2	4	1	4	0.9	339	-7.3	66	989.3
1/23/2022	19:15:00 - 19:30:00	4	2	4	1	4	0.5	341	-7.5	66	989.0
1/23/2022	19:30:00 - 19:45:00	3	2	4	1	3	0.5	347	-7.4	67	988.8
1/23/2022	19:45:00 - 20:00:00	3	2	4	1	3	0.5	5	-7.5	66	988.6
1/23/2022	20:00:00 - 20:15:00	3	2	4	1	3	0.4	348	-7.5	66	988.7
1/23/2022	20:15:00 - 20:30:00	3	2	4	1	4	0.4	103	-7.8	67	988.5
1/23/2022	20:30:00 - 20:45:00	3	2	4	1	3	0.1	235	-8.0	67	988.6
1/23/2022	20:45:00 - 21:00:00	3	2	4	1	3	0.4	124	-8.1	68	988.6
1/23/2022	21:00:00 - 21:15:00	4	2	4	1	4	0.4	124	-8.1	69	988.4
1/23/2022	21:15:00 - 21:30:00	5	3	6	1	5	0.5	134	-8.1	69	988.2
1/23/2022	21:30:00 - 21:45:00	4	3	5	1	5	0.5	165	-8.2	69	988.1
1/23/2022	21:45:00 - 22:00:00	4	2	5	1	5	0.5	171	-8.2	70	987.8
1/23/2022	22:00:00 - 22:15:00	5	3	5	1	5	0.9	183	-7.4	67	987.7
1/23/2022	22:15:00 - 22:30:00	5	3	5	1	5	1.0	182	-7.3	68	987.7
1/23/2022	22:30:00 - 22:45:00	4	2	5	1	5	0.9	179	-7.1	68	987.5
1/23/2022	22:45:00 - 23:00:00	4	2	5	1	4	0.9	176	-7.0	68	987.3
1/23/2022	23:00:00 - 23:15:00	4	2	5	1	4	1.0	162	-6.9	68	987.1
1/23/2022	23:15:00 - 23:30:00	4	3	5	1	5	1.1	172	-6.8	69	986.5
1/23/2022	23:30:00 - 23:45:00	4	2	5	1	4	1.2	178	-6.7	69	986.1
1/23/2022	23:45:00 - 00:00:00	4	2	5	1	5	1.3	179	-6.6	70	985.6
1/24/2022	00:00:00 - 00:15:00	4	2	5	1	5	1.1	178	-6.4	69	985.3
1/24/2022	00:15:00 - 00:30:00	5	3	5	1	5	1.0	185	-6.3	69	985.2
1/24/2022	00:30:00 - 00:45:00	5	3	6	1	6	1.2	197	-6.3	70	985.1
1/24/2022	00:45:00 - 01:00:00	6	3	6	2	6	1.5	199	-6.2	70	984.9
1/24/2022	01:00:00 - 01:15:00	6	3	6	2	6	1.6	199	-6.1	71	984.4
1/24/2022	01:15:00 - 01:30:00	7	3	7	2	7	1.3	189	-6.0	72	984.1
1/24/2022	01:30:00 - 01:45:00	7	3	7	2	8	1.2	189	-6.0	74	983.8
1/24/2022	01:45:00 - 02:00:00	7	3	7	2	7	1.3	184	-6.0	77	983.3
1/24/2022	02:00:00 - 02:15:00	6	3	6	2	7	1.4	182	-6.0	77	982.9
1/24/2022	02:15:00 - 02:30:00	6	3	6	2	6	1.2	182	-6.0	78	982.7
1/24/2022	02:30:00 - 02:45:00	6	3	6	2	6	1.2	178	-5.9	78	982.4
1/24/2022	02:45:00 - 03:00:00	6	3	6	2	6	1.5	189	-5.8	79	982.2
1/24/2022	03:00:00 - 03:15:00	6	3	6	2	6	1.4	181	-6.0	84	981.6
1/24/2022	03:15:00 - 03:30:00	6	3	6	2	6	1.4	181	-6.1	87	981.2
1/24/2022	03:30:00 - 03:45:00	6	3	6	2	6	1.4	183	-6.2	89	980.8
1/24/2022	03:45:00 - 04:00:00	6	3	6	2	7	1.5	180	-6.2	91	980.6
1/24/2022	04:00:00 - 04:15:00	6	3	6	2	6	1.6	175	-6.1	91	980.3
1/24/2022	04:15:00 - 04:30:00	6	3	6	2	7	1.8	180	-6.0	92	979.9
1/24/2022	04:30:00 - 04:45:00	6	3	6	2	7	1.4	180	-5.8	90	979.5
1/24/2022	04:45:00 - 05:00:00	6	3	6	2	7	1.7	187	-5.4	88	979.2
1/24/2022	05:00:00 - 05:15:00	6	3	6	2	7	1.7	189	-5.2	85	978.9
1/24/2022	05:15:00 - 05:30:00	6	3	6	2	7	2.0	188	-5.0	83	978.7
1/24/2022	05:30:00 - 05:45:00	6	3	6	2	7	2.1	194	-4.8	81	978.6
1/24/2022	05:45:00 - 06:00:00	6	3	6	2	7	2.0	195	-4.7	79	978.7
1/24/2022	06:00:00 - 06:15:00	6	3	6	2	7	1.8	197	-4.6	79	978.7
1/24/2022	06:15:00 - 06:30:00	7	3	7	2	7	1.7	192	-4.5	79	978.4
1/24/2022	06:30:00 - 06:45:00	7	3	7	2	8	2.1	195	-4.4	79	978.1
1/24/2022	06:45:00 - 07:00:00	8	4	7	2	8	1.9	189	-4.2	79	977.7
1/24/2022	07:00:00 - 07:15:00	8	4	8	2	8	1.9	188	-4.1	79	977.6
1/24/2022	07:15:00 - 07:30:00	9	4	8	2	9	2.1	202	-4.0	79	977.5
1/24/2022	07:30:00 - 07:45:00	9	4	8	2	9	1.9	202	-3.8	80	977.2
1/24/2022	07:45:00 - 08:00:00	9	4	8	2	9	2.4	198	-3.7	80	977.1
1/24/2022	08:00:00 - 08:15:00	10	4	9	2	9	2.9	204	-3.3	79	977.0
1/24/2022	08:15:00 - 08:30:00	10	4	9	2	10	2.9	204	-2.9	79	976.9
1/24/2022	08:30:00 - 08:45:00	9	4	8	2	9	3.0	209	-2.5	78	976.8
1/24/2022	08:45:00 - 09:00:00	9	4	8	2	9	2.8	214	-2.0	78	976.8
1/24/2022	09:00:00 - 09:15:00	8	4	8	2	8	2.5	222	-1.6	78	977.0
1/24/2022	09:15:00 - 09:30:00	8	4	8	2	8	1.8	220	-1.1	77	977.2
1/24/2022	09:30:00 - 09:45:00	7	4	7	2	8	1.7	251	-0.6	77	977.4
1/24/2022	09:45:00 - 10:00:00	8	4	8	2	8	1.5	236	-0.2	77	977.4

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Average Concentration [µg/m <sup>3</sup> ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/24/2022	10:00:00 - 10:15:00	7	4	7	2	8	1.8	252	0.4	76	977.5
1/24/2022	10:15:00 - 10:30:00	7	4	7	2	7	1.9	259	1.1	76	977.5
1/24/2022	10:30:00 - 10:45:00	7	4	7	2	7	1.9	253	1.7	75	977.4
1/24/2022	10:45:00 - 11:00:00	7	4	7	2	7	2.6	268	2.1	75	977.4
1/24/2022	11:00:00 - 11:15:00	8	4	7	2	8	2.7	267	2.6	74	977.3
1/24/2022	11:15:00 - 11:30:00	7	4	7	2	7	3.1	271	2.8	74	977.2
1/24/2022	11:30:00 - 11:45:00	7	4	7	2	7	3.3	269	2.8	73	977.0
1/24/2022	11:45:00 - 12:00:00	8	4	7	2	7	3.8	271	2.9	73	977.2
1/24/2022	12:00:00 - 12:15:00	8	3	7	2	7	3.4	275	2.9	73	977.2
1/24/2022	12:15:00 - 12:30:00	8	4	7	2	7	3.2	286	3.0	74	977.3
1/24/2022	12:30:00 - 12:45:00	9	4	8	2	8	3.4	292	2.9	75	977.5
1/24/2022	12:45:00 - 13:00:00	9	4	8	2	8	3.6	290	2.3	79	977.7
1/24/2022	13:00:00 - 13:15:00	9	4	8	2	8	2.3	291	2.0	81	977.6
1/24/2022	13:15:00 - 13:30:00	10	4	9	2	8	2.3	304	2.2	81	977.8
1/24/2022	13:30:00 - 13:45:00	10	4	9	2	9	3.0	293	2.3	80	978.0
1/24/2022	13:45:00 - 14:00:00	12	4	10	2	10	3.2	293	2.1	81	978.2
1/24/2022	14:00:00 - 14:15:00	13	5	12	3	12	2.8	297	2.1	80	978.3
1/24/2022	14:15:00 - 14:30:00	18	6	15	3	14	3.2	312	1.8	80	978.7
1/24/2022	14:30:00 - 14:45:00	19	7	15	4	16	3.3	304	1.6	79	979.0
1/24/2022	14:45:00 - 15:00:00	21	7	17	4	17	3.1	306	1.3	79	979.3
1/24/2022	15:00:00 - 15:15:00	17	6	14	4	15	3.5	318	1.2	79	979.6
1/24/2022	15:15:00 - 15:30:00	14	5	12	3	13	3.2	314	1.0	78	980.0
1/24/2022	15:30:00 - 15:45:00	14	5	12	3	12	3.1	329	0.7	79	980.5
1/24/2022	15:45:00 - 16:00:00	15	5	13	3	13	3.4	326	0.0	80	980.7
1/24/2022	16:00:00 - 16:15:00	15	6	13	3	14	3.2	323	-0.4	80	981.0
1/24/2022	16:15:00 - 16:30:00	16	6	14	3	14	3.4	325	-0.9	81	981.5
1/24/2022	16:30:00 - 16:45:00	15	5	13	3	13	3.1	325	-1.1	81	981.8
1/24/2022	16:45:00 - 17:00:00	13	5	11	3	12	2.8	320	-1.4	81	982.1
1/24/2022	17:00:00 - 17:15:00	13	5	11	3	12	3.4	324	-1.7	81	982.4
1/24/2022	17:15:00 - 17:30:00	11	4	10	3	11	2.7	315	-1.9	81	982.8
1/24/2022	17:30:00 - 17:45:00	10	4	9	2	10	3.0	325	-2.2	80	983.3
1/24/2022	17:45:00 - 18:00:00	11	4	10	3	10	3.0	315	-2.3	80	983.7
1/24/2022	18:00:00 - 18:15:00	10	4	9	2	10	3.6	313	-2.5	80	984.0
1/24/2022	18:15:00 - 18:30:00	10	4	9	2	10	2.9	313	-2.6	79	984.4
1/24/2022	18:30:00 - 18:45:00	13	5	12	3	12	3.4	327	-2.9	80	984.8
1/24/2022	18:45:00 - 19:00:00	18	6	15	4	16	2.9	340	-3.6	82	985.2
1/24/2022	19:00:00 - 19:15:00	18	6	15	4	16	3.0	331	-4.0	82	985.5
1/24/2022	19:15:00 - 19:30:00	15	6	13	3	14	3.3	331	-4.5	80	986.0
1/24/2022	19:30:00 - 19:45:00	12	5	10	3	11	3.2	333	-4.9	77	986.4
1/24/2022	19:45:00 - 20:00:00	13	5	12	3	12	2.9	335	-5.1	79	986.7
1/24/2022	20:00:00 - 20:15:00	15	6	13	3	14	3.4	334	-5.4	79	987.0
1/24/2022	20:15:00 - 20:30:00	15	6	13	3	14	3.1	335	-5.7	79	987.3
1/24/2022	20:30:00 - 20:45:00	15	6	13	3	14	3.1	333	-5.9	79	987.7
1/24/2022	20:45:00 - 21:00:00	14	5	12	3	13	2.2	352	-6.3	79	988.0
1/24/2022	21:00:00 - 21:15:00	14	5	12	3	12	2.1	337	-6.6	80	988.3
1/24/2022	21:15:00 - 21:30:00	11	4	10	2	10	2.5	334	-6.9	76	988.6
1/24/2022	21:30:00 - 21:45:00	11	4	10	2	10	2.5	328	-7.1	76	988.8
1/24/2022	21:45:00 - 22:00:00	13	5	11	3	11	2.0	341	-7.4	80	989.1
1/24/2022	22:00:00 - 22:15:00	13	5	11	3	11	1.8	343	-7.6	82	989.4
1/24/2022	22:15:00 - 22:30:00	13	5	11	3	11	2.0	340	-7.8	83	989.4
1/24/2022	22:30:00 - 22:45:00	12	5	10	3	11	2.0	325	-8.0	78	989.6
1/24/2022	22:45:00 - 23:00:00	12	5	11	3	11	1.6	324	-8.6	78	989.8
1/24/2022	23:00:00 - 23:15:00	12	5	10	3	10	1.6	320	-9.1	79	990.1
1/24/2022	23:15:00 - 23:30:00	12	4	10	2	10	1.4	323	-9.5	79	990.5
1/24/2022	23:30:00 - 23:45:00	12	5	10	3	11	1.8	316	-9.7	80	990.8
1/24/2022	23:45:00 - 00:00:00	12	4	10	3	10	1.6	321	-10.0	80	990.9
1/25/2022	00:00:00 - 00:15:00	11	4	10	2	10	1.8	320	-10.2	79	991.0
1/25/2022	00:15:00 - 00:30:00	11	4	10	2	10	1.8	327	-10.4	79	991.0
1/25/2022	00:30:00 - 00:45:00	11	4	10	2	10	1.8	318	-10.6	80	991.1
1/25/2022	00:45:00 - 01:00:00	12	5	10	3	10	1.2	315	-10.7	80	991.3
1/25/2022	01:00:00 - 01:15:00	12	5	10	3	11	1.7	317	-10.9	81	991.5
1/25/2022	01:15:00 - 01:30:00	12	4	10	3	10	1.6	317	-11.0	81	991.7
1/25/2022	01:30:00 - 01:45:00	12	4	10	3	10	2.0	318	-11.1	80	992.0
1/25/2022	01:45:00 - 02:00:00	12	4	10	2	10	2.0	320	-11.2	80	992.3
1/25/2022	02:00:00 - 02:15:00	11	4	9	2	9	1.7	320	-11.4	80	992.6

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

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [ $^{\circ}\text{C}$ ]	Relative Humidity (%)	Pressure (mb)
1/25/2022	02:15:00 - 02:30:00	11	4	9	2	10	1.1	307	-11.5	80	992.9
1/25/2022	02:30:00 - 02:45:00	11	4	9	2	10	1.3	311	-11.6	80	993.2
1/25/2022	02:45:00 - 03:00:00	12	4	10	3	10	1.3	320	-11.7	80	993.3
1/25/2022	03:00:00 - 03:15:00	12	5	10	3	10	1.4	317	-11.9	80	993.4
1/25/2022	03:15:00 - 03:30:00	13	5	10	3	11	1.5	317	-12.1	80	993.6
1/25/2022	03:30:00 - 03:45:00	13	5	10	3	11	1.5	311	-12.3	81	993.7
1/25/2022	03:45:00 - 04:00:00	13	5	10	3	11	1.7	314	-12.5	81	994.0
1/25/2022	04:00:00 - 04:15:00	13	5	10	3	11	1.4	314	-12.7	81	994.1
1/25/2022	04:15:00 - 04:30:00	13	5	10	3	11	1.4	304	-12.7	81	994.3
1/25/2022	04:30:00 - 04:45:00	13	5	10	3	11	1.3	306	-12.9	81	994.6
1/25/2022	04:45:00 - 05:00:00	13	5	11	3	11	1.6	320	-13.0	81	994.7
1/25/2022	05:00:00 - 05:15:00	14	5	11	3	11	1.8	315	-13.1	81	995.0
1/25/2022	05:15:00 - 05:30:00	14	5	11	3	12	1.7	312	-13.2	81	995.2
1/25/2022	05:30:00 - 05:45:00	14	5	11	3	12	1.9	307	-13.4	81	995.5
1/25/2022	05:45:00 - 06:00:00	15	5	12	3	13	1.6	311	-13.5	82	995.7
1/25/2022	06:00:00 - 06:15:00	15	5	12	3	13	2.0	311	-13.6	82	996.0
1/25/2022	06:15:00 - 06:30:00	16	5	12	3	13	1.7	303	-13.8	82	996.2
1/25/2022	06:30:00 - 06:45:00	17	6	14	3	13	2.0	316	-13.9	82	996.4
1/25/2022	06:45:00 - 07:00:00	35	6	30	3	13	2.5	322	-14.0	82	996.7
1/25/2022	07:00:00 - 07:15:00	17	5	13	3	14	2.1	318	-14.1	82	996.9
1/25/2022	07:15:00 - 07:30:00	18	5	14	3	13	2.1	320	-14.2	81	997.1
1/25/2022	07:30:00 - 07:45:00	18	5	13	3	13	2.3	321	-14.1	80	997.1
1/25/2022	07:45:00 - 08:00:00	18	5	13	3	13	2.0	325	-13.8	79	997.2
1/25/2022	08:00:00 - 08:15:00	16	7	12	3	12	2.2	336	-13.8	78	997.4
1/25/2022	08:15:00 - 08:30:00	14	4	10	3	14	2.8	325	-13.7	77	997.6
1/25/2022	08:30:00 - 08:45:00	14	4	11	2	10	2.3	328	-13.2	76	997.8
1/25/2022	08:45:00 - 09:00:00	12	4	10	2	9	2.1	325	-12.9	74	998.1
1/25/2022	09:00:00 - 09:15:00	12	4	10	2	9	2.0	319	-12.4	74	998.4
1/25/2022	09:15:00 - 09:30:00	11	4	9	2	9	1.8	329	-11.9	72	998.6
1/25/2022	09:30:00 - 09:45:00	12	4	10	2	9	1.6	319	-11.4	72	998.7
1/25/2022	09:45:00 - 10:00:00	9	3	8	2	8	1.7	320	-11.0	70	998.9
1/25/2022	10:00:00 - 10:15:00	8	3	8	2	7	1.7	328	-10.7	70	999.2
1/25/2022	10:15:00 - 10:30:00	7	3	7	2	7	1.6	325	-10.0	68	999.2
1/25/2022	10:30:00 - 10:45:00	6	3	6	2	7	1.8	306	-9.8	67	999.3
1/25/2022	10:45:00 - 11:00:00	7	3	7	1	7	1.8	333	-9.5	66	999.4
1/25/2022	11:00:00 - 11:15:00	8	3	7	1	6	1.4	319	-8.6	63	999.4
1/25/2022	11:15:00 - 11:30:00	8	3	7	1	6	2.2	313	-8.4	59	999.4
1/25/2022	11:30:00 - 11:45:00	6	2	6	1	6	1.6	322	-7.9	56	999.3
1/25/2022	11:45:00 - 12:00:00	6	3	6	1	5	1.6	333	-7.8	53	999.2
1/25/2022	12:00:00 - 12:15:00	5	3	6	1	5	1.9	309	-7.7	53	999.2
1/25/2022	12:15:00 - 12:30:00	5	2	6	1	5	1.3	306	-7.3	51	999.1
1/25/2022	12:30:00 - 12:45:00	5	2	6	1	5	2.2	333	-7.2	48	999.1
1/25/2022	12:45:00 - 13:00:00	6	2	7	1	7	2.4	337	-7.1	48	999.0
1/25/2022	13:00:00 - 13:15:00	6	3	7	1	7	2.1	331	-6.9	47	999.0
1/25/2022	13:15:00 - 13:30:00	6	3	6	1	6	2.0	313	-6.7	46	998.9
1/25/2022	13:30:00 - 13:45:00	6	3	6	1	5	2.1	312	-6.7	44	998.8
1/25/2022	13:45:00 - 14:00:00	5	3	5	1	5	1.9	317	-6.5	44	998.8
1/25/2022	14:00:00 - 14:15:00	4	3	5	1	4	2.4	323	-6.7	43	998.9
1/25/2022	14:15:00 - 14:30:00	4	2	5	1	4	2.1	325	-6.3	43	999.0
1/25/2022	14:30:00 - 14:45:00	4	2	5	1	4	2.2	309	-6.4	43	999.1
1/25/2022	14:45:00 - 15:00:00	4	3	5	1	4	2.0	313	-6.3	42	999.1
1/25/2022	15:00:00 - 15:15:00	4	2	5	1	4	1.9	318	-6.2	41	999.1
1/25/2022	15:15:00 - 15:30:00	4	2	5	1	4	1.7	330	-6.4	41	999.1
1/25/2022	15:30:00 - 15:45:00	4	2	5	1	4	1.8	335	-6.9	42	999.3
1/25/2022	15:45:00 - 16:00:00	3	2	4	1	4	1.9	316	-7.1	41	999.4
1/25/2022	16:00:00 - 16:15:00	4	2	5	1	4	1.9	324	-7.4	42	999.5
1/25/2022	16:15:00 - 16:30:00	4	2	5	1	4	1.6	318	-7.5	43	999.6
1/25/2022	16:30:00 - 16:45:00	4	2	5	1	4	1.8	327	-7.7	43	999.9
1/25/2022	16:45:00 - 17:00:00	5	2	6	1	4	1.8	325	-8.2	44	1000.0
1/25/2022	17:00:00 - 17:15:00	4	2	5	1	4	2.3	326	-8.6	46	1000.2
1/25/2022	17:15:00 - 17:30:00	5	3	5	1	5	1.8	318	-9.0	48	1000.5
1/25/2022	17:30:00 - 17:45:00	5	3	5	1	5	2.3	320	-9.5	49	1000.8
1/25/2022	17:45:00 - 18:00:00	5	3	6	1	5	2.2	317	-9.9	49	1001.1
1/25/2022	18:00:00 - 18:15:00	5	3	6	1	5	1.9	315	-10.2	51	1001.4
1/25/2022	18:15:00 - 18:30:00	5	3	6	1	5	2.0	320	-10.5	52	1001.7

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



Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Average Concentration [ $\mu\text{g}/\text{m}^3$ ]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [ $^{\circ}\text{celcius}$ ]	Relative Humidity (%)	Pressure (mb)
1/25/2022	18:30:00 - 18:45:00	6	3	6	1	5	1.6	316	-10.7	53	1001.9
1/25/2022	18:45:00 - 19:00:00	7	3	7	2	7	2.0	315	-10.9	54	1002.2
1/25/2022	19:00:00 - 19:15:00	6	3	6	1	6	1.5	315	-11.2	55	1002.4
1/25/2022	19:15:00 - 19:30:00	6	3	6	1	6	1.4	307	-11.5	56	1002.6
1/25/2022	19:30:00 - 19:45:00	8	3	7	2	7	1.2	311	-11.7	57	1002.8
1/25/2022	19:45:00 - 20:00:00	8	4	8	2	8	1.5	298	-11.8	57	1002.8
1/25/2022	20:00:00 - 20:15:00	8	4	7	2	9	1.5	309	-12.0	58	1002.9
1/25/2022	20:15:00 - 20:30:00	8	3	7	2	7	1.6	304	-12.1	58	1003.1
1/25/2022	20:30:00 - 20:45:00	7	3	7	2	7	1.4	295	-12.3	59	1003.1
1/25/2022	20:45:00 - 21:00:00	8	4	7	2	7	1.5	298	-12.5	60	1003.2
1/25/2022	21:00:00 - 21:15:00	8	4	7	2	7	1.9	309	-12.7	61	1003.4
1/25/2022	21:15:00 - 21:30:00	8	4	7	2	7	1.8	302	-12.9	61	1003.6
1/25/2022	21:30:00 - 21:45:00	7	3	7	2	7	1.4	298	-13.1	60	1003.7
1/25/2022	21:45:00 - 22:00:00	7	4	7	2	6	1.6	305	-13.3	61	1003.9
1/25/2022	22:00:00 - 22:15:00	7	4	6	2	6	1.7	296	-13.4	61	1004.0
1/25/2022	22:15:00 - 22:30:00	7	3	6	2	6	1.5	298	-13.6	61	1004.2
1/25/2022	22:30:00 - 22:45:00	7	3	6	2	6	1.8	304	-13.8	62	1004.3
1/25/2022	22:45:00 - 23:00:00	7	4	6	2	6	2.2	311	-14.1	63	1004.5
1/25/2022	23:00:00 - 23:15:00	7	3	7	2	6	2.1	329	-14.5	63	1004.6
1/25/2022	23:15:00 - 23:30:00	7	3	6	1	6	1.9	324	-14.8	62	1004.7
1/25/2022	23:30:00 - 23:45:00	7	3	6	1	6	2.3	311	-15.0	62	1004.7
1/25/2022	23:45:00 - 00:00:00	7	3	6	2	6	1.7	314	-15.2	64	1004.8

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

Appendix A: Complete Preliminary Data Record

1/19/2022																				
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	810	0.0	908	0.0	1007	0.0	1107	0.0	1227	0.0	1307	0.0	1407	0.0	1507	0.0	1607	0.0	
SAM-2	NA	800	0.0	903	0.0	1002	0.0	1101	0.0	1221	0.0	1301	0.0	1401	0.0	1501	0.0	1601	0.0	
SAM-3	NA	830	0.0	919	0.0	1019	0.0	1118	0.0	1238	0.0	1318	0.0	1416	0.0	1518	0.0	1616	0.0	
SAM-4	NA	821	0.0	913	0.0	1012	0.0	1111	0.0	1231	0.0	1311	0.0	1411	0.0	1511	0.0	1611	0.0	
IMPL-A	NA	755	0.0	902	0.0	1000	0.0	1100	0.0	1220	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0	
IMPL-B	NA	802	0.0	904	0.0	1003	0.0	1103	0.0	1223	0.0	1303	0.0	1403	0.0	1503	0.0	1603	0.0	
IMPL-C	NA	806	0.0	905	0.0	1004	0.0	1104	0.0	1224	0.0	1304	0.0	1404	0.0	1504	0.0	1604	0.0	
IMPL-D	NA	808	0.0	907	0.0	1005	0.0	1105	0.0	1225	0.0	1305	0.0	1405	0.0	1505	0.0	1605	0.0	
IMPL-E	NA	817	0.0	910	0.0	1009	0.0	1109	0.0	1229	0.0	1309	0.0	1409	0.0	1509	0.0	1609	0.0	
IMPL-F	NA	819	0.0	912	0.0	1011	0.0	1110	0.0	1230	0.0	1310	0.0	1410	0.0	1510	0.0	1610	0.0	
IMPL-G	NA	822	0.0	914	0.0	1013	0.0	1112	0.0	1232	0.0	1312	0.0	1412	0.0	1512	0.0	1612	0.0	
IMPL-H	NA	823	0.0	915	0.0	1014	0.0	1113	0.0	1233	0.0	1313	0.0	1413	0.0	1513	0.0	1613	0.0	
IMPL-I	NA	824	0.0	916	0.0	1015	0.0	1114	0.0	1234	0.0	1314	0.0	1414	0.0	1514	0.0	1614	0.0	
IMPL-J	NA	826	0.0	918	0.0	1017	0.0	1116	0.0	1236	0.0	1316	0.0	1415	0.0	1516	0.0	1615	0.0	
IMPL-K	NA	836	0.0	920	0.0	1020	0.0	1119	0.0	1239	0.0	1319	0.0	1417	0.0	1519	0.0	1617	0.0	
IMPL-L	NA	838	0.0	921	0.0	1021	0.0	1120	0.0	1240	0.0	1320	0.0	1418	0.0	1520	0.0	1618	0.0	

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.  
No measurements taken for "Reading 1" due to dark conditions.

1/20/2022																				
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	741	0.0	833	0.0	906	0.0	1007	0.0	1110	0.0	1207	0.0	1307	0.0	1405	0.0		NA		NA
SAM-2	731	0.0	829	0.0	901	0.0	1002	0.0	1102	0.0	1202	0.0	1302	0.0	1401	0.0		NA		NA
SAM-3	748	0.0	840	0.0	915	0.0	1019	0.0	1126	0.0	1217	0.0	1317	0.0	1413	0.0		NA		NA
SAM-4	744	0.0	836	0.0	909	0.0	1012	0.0	1116	0.0	1210	0.0	1310	0.0	1408	0.0		NA		NA
IMPL-A	730	0.0	828	0.0	900	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0		NA		NA
IMPL-B	733	0.0	830	0.0	902	0.0	1003	0.0	1104	0.0	1203	0.0	1303	0.0	1402	0.0		NA		NA
IMPL-C	737	0.0	831	0.0	903	0.0	1004	0.0	1106	0.0	1204	0.0	1304	0.0	1403	0.0		NA		NA
IMPL-D	739	0.0	832	0.0	905	0.0	1005	0.0	1108	0.0	1205	0.0	1305	0.0	1404	0.0		NA		NA
IMPL-E	740	0.0	833	0.0	906	0.0	1009	0.0	1112	0.0	1208	0.0	1308	0.0	1406	0.0		NA		NA
IMPL-F	742	0.0	835	0.0	908	0.0	1011	0.0	1114	0.0	1209	0.0	1309	0.0	1407	0.0		NA		NA
IMPL-G	745	0.0	837	0.0	911	0.0	1013	0.0	1118	0.0	1211	0.0	1311	0.0	1409	0.0		NA		NA
IMPL-H	746	0.0	838	0.0	913	0.0	1014	0.0	1120	0.0	1212	0.0	1312	0.0	1410	0.0		NA		NA
IMPL-I	747	0.0	839	0.0	914	0.0	1015	0.0	1122	0.0	1213	0.0	1313	0.0	1411	0.0		NA		NA
IMPL-J	749	0.0	841	0.0	916	0.0	1017	0.0	1124	0.0	1215	0.0	1315	0.0	1412	0.0		NA		NA
IMPL-K	749	0.0	841	0.0	916	0.0	1020	0.0	1128	0.0	1218	0.0	1318	0.0	1414	0.0		NA		NA
IMPL-L	750	0.0	842	0.0	917	0.0	1021	0.0	1130	0.0	1219	0.0	1320	0.0	1415	0.0		NA		NA

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.

1/21/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	NA	805	0	906	0	1005	0	1110	0		NA		NA		NA		NA		NA	
SAM-2	NA	801	0	901	0	1001	0	1102	0		NA		NA		NA		NA		NA	
SAM-3	NA	812	0	915	0	1013	0	1126	0		NA		NA		NA		NA		NA	
SAM-4	NA	808	0	909	0	1008	0	1116	0		NA		NA		NA		NA		NA	
IMPL-A	NA	800	0	900	0	1000	0	1100	0		NA		NA		NA		NA		NA	
IMPL-B	NA	802	0	902	0	1002	0	1104	0		NA		NA		NA		NA		NA	
IMPL-C	NA	803	0	903	0	1003	0	1106	0		NA		NA		NA		NA		NA	
IMPL-D	NA	804	0	905	0	1004	0	1108	0		NA		NA		NA		NA		NA	
IMPL-E	NA	805	0	906	0	1006	0	1112	0		NA		NA		NA		NA		NA	
IMPL-F	NA	807	0	908	0	1007	0	1114	0		NA		NA		NA		NA		NA	
IMPL-G	NA	809	0	911	0	1009	0	1118	0		NA		NA		NA		NA		NA	
IMPL-H	NA	810	0	913	0	1010	0	1120	0		NA		NA		NA		NA		NA	
IMPL-I	NA	811	0	914	0	1011	0	1122	0		NA		NA		NA		NA		NA	
IMPL-J	NA	813	0	916	0	1012	0	1124	0		NA		NA		NA		NA		NA	
IMPL-K	NA	813	0	916	0	1014	0	1128	0		NA		NA		NA		NA		NA	
IMPL-L	NA	814	0	917	0	1015	0	1130	0		NA		NA		NA		NA		NA	

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.  
No measurements taken for "Reading 1" due to dark conditions.  
Excavation stopped at 12:00 PM.

Appendix A: Complete Preliminary Data Record

1/24/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	NA	814	0.0	906	0.0	1007	0.0	1109	0.0	1209	0.0	1345	0.0	1410	0.0	1509	0.0	1609	0.0	0.0
SAM-2	NA	804	0.0	901	0.0	1002	0.0	1102	0.0	1202	0.0	1341	0.0	1402	0.0	1502	0.0	1602	0.0	0.0
SAM-3	NA	832	0.0	917	0.0	1018	0.0	1119	0.0	1219	0.0	1353	0.0	1427	0.0	1519	0.0	1619	0.0	0.0
SAM-4	NA	822	0.0	910	0.0	1012	0.0	1113	0.0	1213	0.0	1348	0.0	1418	0.0	1513	0.0	1613	0.0	0.0
IMPL-A	NA	800	0.0	900	0.0	1000	0.0	1100	0.0	1200	0.0	1340	0.0	1400	0.0	1500	0.0	1600	0.0	0.0
IMPL-B	NA	806	0.0	902	0.0	1003	0.0	1104	0.0	1204	0.0	1342	0.0	1404	0.0	1504	0.0	1604	0.0	0.0
IMPL-C	NA	808	0.0	903	0.0	1004	0.0	1106	0.0	1206	0.0	1343	0.0	1406	0.0	1506	0.0	1606	0.0	0.0
IMPL-D	NA	810	0.0	905	0.0	1005	0.0	1107	0.0	1207	0.0	1344	0.0	1408	0.0	1507	0.0	1607	0.0	0.0
IMPL-E	NA	814	0.0	907	0.0	1008	0.0	1110	0.0	1210	0.0	1346	0.0	1413	0.0	1510	0.0	1610	0.0	0.0
IMPL-F	NA	818	0.0	909	0.0	1010	0.0	1111	0.0	1211	0.0	1347	0.0	1416	0.0	1511	0.0	1611	0.0	0.0
IMPL-G	NA	824	0.0	912	0.0	1013	0.0	1114	0.0	1214	0.0	1349	0.0	1421	0.0	1514	0.0	1614	0.0	0.0
IMPL-H	NA	826	0.0	914	0.0	1014	0.0	1115	0.0	1215	0.0	1350	0.0	1422	0.0	1515	0.0	1615	0.0	0.0
IMPL-I	NA	828	0.0	916	0.0	1015	0.0	1116	0.0	1216	0.0	1351	0.0	1424	0.0	1516	0.0	1616	0.0	0.0
IMPL-J	NA	830	0.0	918	0.0	1016	0.0	1117	0.0	1217	0.0	1352	0.0	1425	0.0	1517	0.0	1617	0.0	0.0
IMPL-K	NA	836	0.0	918	0.0	1019	0.0	1120	0.0	1220	0.0	1354	0.0	1428	0.0	1520	0.0	1620	0.0	0.0
IMPL-L	NA	838	0.0	919	0.0	1020	0.0	1121	0.0	1221	0.0	1355	0.0	1429	0.0	1521	0.0	1621	0.0	0.0

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.  
No measurements taken for "Reading 1" due to dark conditions.

1/25/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	NA	814	0.0	912	0.0	1007	0.0	1109	0.0	1209	0.0	1306	0.0	1406	0.0	1506	0.0	1606	0.0	NA
SAM-2	NA	804	0.0	904	0.0	1002	0.0	1102	0.0	1202	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0	NA
SAM-3	NA	823	0.0	925	0.0	1018	0.0	1119	0.0	1219	0.0	1318	0.0	1418	0.0	1518	0.0	1618	0.0	NA
SAM-4	NA	819	0.0	916	0.0	1012	0.0	1113	0.0	1213	0.0	1312	0.0	1412	0.0	1512	0.0	1612	0.0	NA
IMPL-A	NA	800	0.0	901	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0	NA
IMPL-B	NA	806	0.0	906	0.0	1003	0.0	1104	0.0	1204	0.0	1303	0.0	1403	0.0	1503	0.0	1603	0.0	NA
IMPL-C	NA	808	0.0	907	0.0	1004	0.0	1106	0.0	1206	0.0	1304	0.0	1404	0.0	1504	0.0	1604	0.0	NA
IMPL-D	NA	810	0.0	909	0.0	1005	0.0	1107	0.0	1207	0.0	1305	0.0	1405	0.0	1505	0.0	1605	0.0	NA
IMPL-E	NA	814	0.0	911	0.0	1008	0.0	1110	0.0	1210	0.0	1309	0.0	1409	0.0	1509	0.0	1609	0.0	NA
IMPL-F	NA	818	0.0	913	0.0	1010	0.0	1111	0.0	1211	0.0	1310	0.0	1410	0.0	1510	0.0	1610	0.0	NA
IMPL-G	NA	820	0.0	918	0.0	1013	0.0	1114	0.0	1214	0.0	1313	0.0	1413	0.0	1513	0.0	1613	0.0	NA
IMPL-H	NA	821	0.0	920	0.0	1014	0.0	1115	0.0	1215	0.0	1314	0.0	1414	0.0	1514	0.0	1614	0.0	NA
IMPL-I	NA	822	0.0	922	0.0	1015	0.0	1116	0.0	1216	0.0	1315	0.0	1415	0.0	1515	0.0	1615	0.0	NA
IMPL-J	NA	823	0.0	924	0.0	1016	0.0	1117	0.0	1217	0.0	1316	0.0	1416	0.0	1516	0.0	1616	0.0	NA
IMPL-K	NA	824	0.0	926	0.0	1019	0.0	1120	0.0	1220	0.0	1319	0.0	1419	0.0	1519	0.0	1619	0.0	NA
IMPL-L	NA	826	0.0	927	0.0	1020	0.0	1121	0.0	1221	0.0	1320	0.0	1420	0.0	1520	0.0	1620	0.0	NA

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.  
No measurements taken for "Reading 1" due to dark conditions.  
Excavation ended at 4:00PM.

**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	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Naphthalene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	2-Methylnaphthalene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	2-Chloronaphthalene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Acenaphthylene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Acenaphthene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Fluorene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Phenanthrene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Anthracene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Fluoranthene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Pyrene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Chrysene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Benzo(a)anthracene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Benzo(b)fluoranthene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Benzo(k)fluoranthene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Benzo(a)pyrene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	%R	82		Fluorene-d10
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	%R	97		Pyrene-d10
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	%R	80		Benzo(a)pyrene-d12
TO-13A	20220110-12-SE-SAM1	1/10/2022 9:19	01/12/2022 08:06	%R	74		Fluoranthene-d10
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Naphthalene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	2-Methylnaphthalene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	2-Chloronaphthalene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Acenaphthylene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Acenaphthene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Fluorene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Phenanthrene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Anthracene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Fluoranthene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Pyrene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Chrysene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Benzo(a)anthracene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Benzo(b)fluoranthene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Benzo(k)fluoranthene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Benzo(a)pyrene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	%R	84		Fluorene-d10
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	%R	107		Pyrene-d10
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	%R	84		Benzo(a)pyrene-d12
TO-13A	20220110-12-NE-SAM2	1/10/2022 9:39	01/12/2022 08:20	%R	76		Fluoranthene-d10
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Naphthalene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	2-Methylnaphthalene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	2-Chloronaphthalene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Acenaphthylene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Acenaphthene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Fluorene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Phenanthrene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Anthracene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Fluoranthene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Pyrene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Chrysene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Benzo(a)anthracene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Benzo(b)fluoranthene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Benzo(k)fluoranthene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Benzo(a)pyrene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	%R	74		Fluorene-d10
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	%R	87		Pyrene-d10
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	%R	82		Benzo(a)pyrene-d12
TO-13A	20220110-12-SE-SAM3	1/10/2022 9:06	01/12/2022 07:54	%R	68		Fluoranthene-d10
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		1.0	Naphthalene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	2-Methylnaphthalene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	2-Chloronaphthalene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		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	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Acenaphthene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Fluorene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Phenanthrene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Anthracene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Fluoranthene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Pyrene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Chrysene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Benzo(a)anthracene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Benzo(b)fluoranthene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Benzo(k)fluoranthene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Benzo(a)pyrene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	%R	73		Fluorene-d10
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	%R	94		Pyrene-d10
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	%R	78		Benzo(a)pyrene-d12
TO-13A	20220110-12-NW-SAM4	1/10/2022 9:58	01/12/2022 08:35	%R	68		Fluoranthene-d10
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Naphthalene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	2-Methylnaphthalene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	2-Chloronaphthalene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Acenaphthylene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Acenaphthene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Fluorene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Phenanthrene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Anthracene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Fluoranthene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Pyrene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Chrysene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Benzo(a)anthracene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Benzo(b)fluoranthene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Benzo(k)fluoranthene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Benzo(a)pyrene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	%R	85		Fluorene-d10
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	%R	98		Pyrene-d10
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	%R	79		Benzo(a)pyrene-d12
TO-13A	20220110-12-SW-SAM5	1/10/2022 9:25	01/12/2022 08:48	%R	76		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				
EPA 325	20211229-20220112-SE-SAM1	12/29/2021 9:25	01/12/2022 12:07	UG/M3	0.21	U	Styrene
EPA 325	20211229-20220112-SE-SAM1	12/29/2021 9:25	01/12/2022 12:07	UG/M3	0.71		Benzene
EPA 325	20211229-20220112-SE-SAM1	12/29/2021 9:25	01/12/2022 12:07	UG/M3	0.47	J	Toluene
EPA 325	20211229-20220112-SE-SAM1	12/29/2021 9:25	01/12/2022 12:07	UG/M3	0.28	U	Ethyl Benzene
EPA 325	20211229-20220112-SE-SAM1	12/29/2021 9:25	01/12/2022 12:07	UG/M3	0.28	U	m,p-Xylene
EPA 325	20211229-20220112-SE-SAM1	12/29/2021 9:25	01/12/2022 12:07	UG/M3	0.28	U	o-Xylene
EPA 325	20211229-20220112-NE-SAM2	12/29/2021 9:45	01/12/2022 12:27	UG/M3	0.21	U	Styrene
EPA 325	20211229-20220112-NE-SAM2	12/29/2021 9:45	01/12/2022 12:27	UG/M3	0.57		Benzene
EPA 325	20211229-20220112-NE-SAM2	12/29/2021 9:45	01/12/2022 12:27	UG/M3	0.41	J	Toluene
EPA 325	20211229-20220112-NE-SAM2	12/29/2021 9:45	01/12/2022 12:27	UG/M3	0.28	U	Ethyl Benzene
EPA 325	20211229-20220112-NE-SAM2	12/29/2021 9:45	01/12/2022 12:27	UG/M3	0.28	U	m,p-Xylene
EPA 325	20211229-20220112-NE-SAM2	12/29/2021 9:45	01/12/2022 12:27	UG/M3	0.28	U	o-Xylene
EPA 325	20211229-20220112-SE-SAM3	12/29/2021 9:22	01/12/2022 12:04	UG/M3	0.21	U	Styrene
EPA 325	20211229-20220112-SE-SAM3	12/29/2021 9:22	01/12/2022 12:04	UG/M3	0.55		Benzene
EPA 325	20211229-20220112-SE-SAM3	12/29/2021 9:22	01/12/2022 12:04	UG/M3	0.51		Toluene
EPA 325	20211229-20220112-SE-SAM3	12/29/2021 9:22	01/12/2022 12:04	UG/M3	0.28	U	Ethyl Benzene
EPA 325	20211229-20220112-SE-SAM3	12/29/2021 9:22	01/12/2022 12:04	UG/M3	0.28	U	m,p-Xylene
EPA 325	20211229-20220112-SE-SAM3	12/29/2021 9:22	01/12/2022 12:04	UG/M3	0.28	U	o-Xylene
EPA 325	20211229-20220112-NW-SAM4	12/29/2021 9:34	01/12/2022 12:17	UG/M3	0.21	U	Styrene
EPA 325	20211229-20220112-NW-SAM4	12/29/2021 9:34	01/12/2022 12:17	UG/M3	0.53		Benzene
EPA 325	20211229-20220112-NW-SAM4	12/29/2021 9:34	01/12/2022 12:17	UG/M3	0.34	J	Toluene
EPA 325	20211229-20220112-NW-SAM4	12/29/2021 9:34	01/12/2022 12:17	UG/M3	0.28	U	Ethyl Benzene
EPA 325	20211229-20220112-NW-SAM4	12/29/2021 9:34	01/12/2022 12:17	UG/M3	0.28	U	m,p-Xylene
EPA 325	20211229-20220112-NW-SAM4	12/29/2021 9:34	01/12/2022 12:17	UG/M3	0.28	U	o-Xylene
EPA 325	20211229-20220112-SW-SAM5	12/29/2021 9:30	01/12/2022 12:13	UG/M3	0.21	U	Styrene
EPA 325	20211229-20220112-SW-SAM5	12/29/2021 9:30	01/12/2022 12:13	UG/M3	0.62		Benzene
EPA 325	20211229-20220112-SW-SAM5	12/29/2021 9:30	01/12/2022 12:13	UG/M3	0.53		Toluene
EPA 325	20211229-20220112-SW-SAM5	12/29/2021 9:30	01/12/2022 12:13	UG/M3	0.28	U	Ethyl Benzene
EPA 325	20211229-20220112-SW-SAM5	12/29/2021 9:30	01/12/2022 12:13	UG/M3	0.28	U	m,p-Xylene
EPA 325	20211229-20220112-SW-SAM5	12/29/2021 9:30	01/12/2022 12:13	UG/M3	0.28	U	o-Xylene

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed)  
 J - Estimated value - analyte detected between the Method Detection Limit and Reporting Limit  
 E - Exceeds instrument calibration range  
 S - Saturated peak  
 Q - Exceeds quality control limits  
 U - Compound analyzed for but not detected above the MDL value  
 I - Internal Standard recovery outside acceptance limits  
 P - Field Duplicate(s) exceed 30%RPD  
 Pc - Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit  
 PI - Field Duplicate(s) exceed 30%RPD, lab error noted  
 L - Recovery of bracketing CCV(s) exceeded acceptance limits  
 H - Sample analyzed outside of method hold time  
 D - Sample duration outside 14+/-1 days  
 Fe - Field Error or discrepancy  
 Te - Tube Error or discrepancy  
 CN - See case narrative explanation

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