

Ameren Champaign MGP - Fifth Street

Weekly Air Monitoring Report

24 January, 2022

Project No.: 0529307

1. INTRODUCTION

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

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



This weekly summary presents the real-time ambient air quality and meteorological data collected from January 12, 2021 through January 19, 2022. The laboratory results were collected from December 15, 2021 through January 7, 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 Summary¹

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, $\mu\text{g}/\text{m}^3$)	01/12/2022 – 01/18/2022	0	104	360
VOC (1-minute average, $\mu\text{g}/\text{m}^3$)	01/12/2022 – 01/18/2022	0	0	156.7
Benzene, Real-time GC (1-minute average $\mu\text{g}/\text{m}^3$)	01/12/2022 – 01/18/2022	N/A	N/A	156.7
Styrene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	12/15/2021- 12/29/2021	0	0.21	205,000
Benzene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	12/15/2021- 12/29/2021	0	0.58	16.5
Toluene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	12/15/2021- 12/29/2021	0	0.78	23,400
Xylenes(total), Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	12/15/2021- 12/29/2021	0	0.56	41,000
Ethylbenzene, Method 325B (14 day sample period, $\mu\text{g}/\text{m}^3$)	12/15/2021- 12/29/2021	0	0.28	59,400
2-methylnaphthalene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	12/22/2021- 01/07/2021	0	ND	820
Acenaphthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	12/22/2021- 01/07/2021	0	ND	12,300
Acenaphthylene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	12/22/2021- 01/07/2021	0	ND	615
Anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	12/22/2021- 01/07/2021	0	ND	615
Benzo(a)anthracene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	12/22/2021- 01/07/2021	0	ND	1.54
Benzo(a)pyrene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	12/22/2021- 01/07/2021	0	ND	0.154
Benzo(k)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	12/22/2021- 01/07/2021	0	ND	15.4
Benzo(b)fluoranthene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	12/22/2021- 01/07/2021	0	ND	15.4
Chrysene, Method TO-13A (3 day sample period, $\mu\text{g}/\text{m}^3$)	12/22/2021- 01/07/2021	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 ³)	12/22/2021-01/07/2021	0	ND	0.154
Fluoranthene, Method TO-13A (3 day sample period, µg/m ³)	12/22/2021-01/07/2021	0	ND	8,200
Fluorene, Method TO-13A (3 day sample period, µg/m ³)	12/22/2021-01/07/2021	0	ND	8,200
Ideno(1,2,3-cd)pyrene, Method TO-13A (3 day sample period, µg/m ³)	12/22/2021-01/07/2021	0	ND	1.54
Napthalene, Method TO-13A (3 day sample period, µg/m ³)	12/22/2021-01/07/2021	0	ND	176
Phenanthrene, Method TO-13A (3 day sample period, µg/m ³)	12/22/2021-01/07/2021	0	ND	6,150
Pyrene, Method TO-13A (3 day sample period, µg/m ³)	12/22/2021-01/07/2021	0	ND	6,150

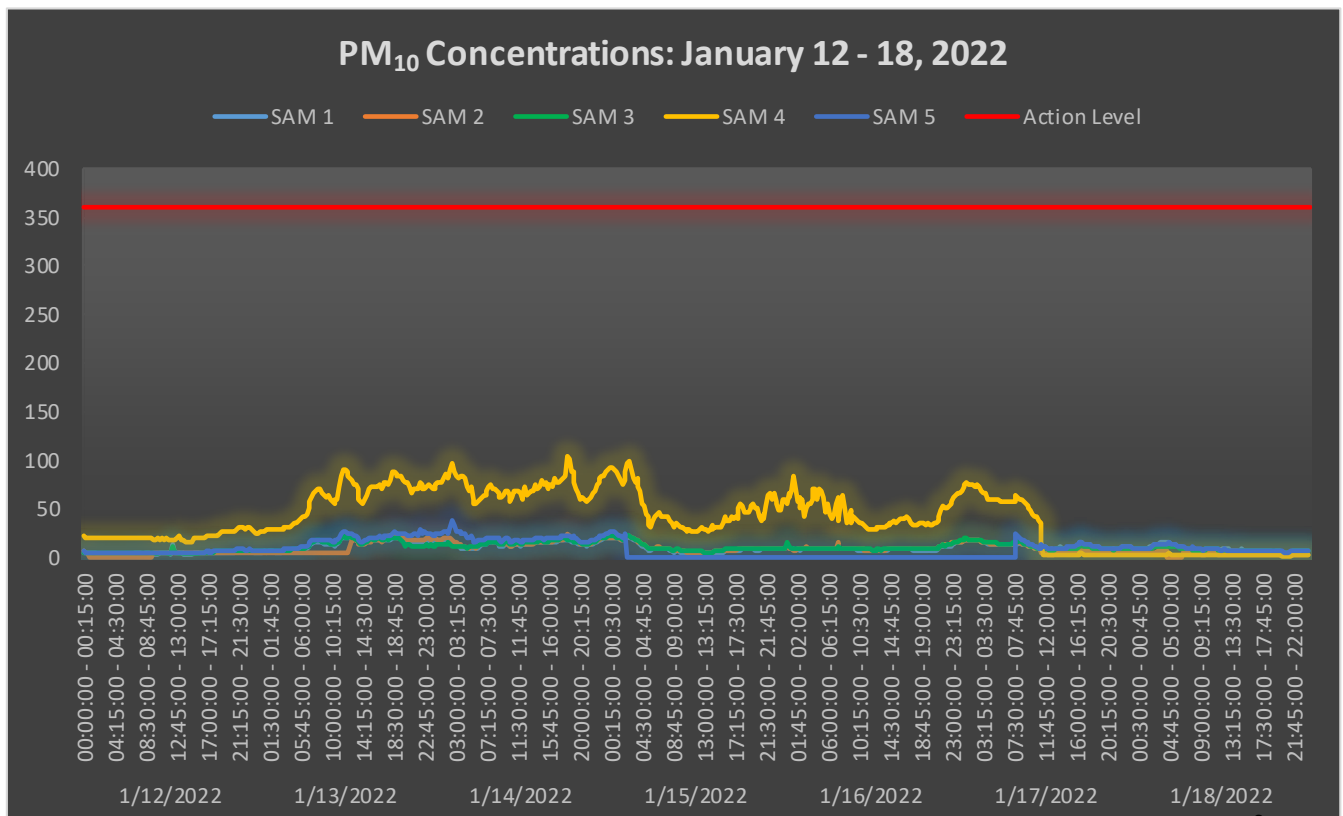
¹ Data presented have yet to be fully quality-assured; final values may vary of these preliminary results once all quality control measures have been applied.

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. PM10 concentrations for the week are represented in Figure 2.

Figure 2: PM10 Concentrations



APPENDIX A COMPLETE PRELIMINARY DATA RECORD

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/12/2022	00:00:00 - 00:15:00	4	6	5	22	6	3.2	223	2.3	77	992.2
1/12/2022	00:15:00 - 00:30:00	4	5	5	21	5	2.5	219	2.2	77	992.0
1/12/2022	00:30:00 - 00:45:00	4	5	5	21	5	2.0	224	2.2	77	992.1
1/12/2022	00:45:00 - 01:00:00	4	Offline	5	21	5	2.3	229	2.2	77	992.1
1/12/2022	01:00:00 - 01:15:00	4	Offline	5	20	5	2.2	228	2.2	77	992.1
1/12/2022	01:15:00 - 01:30:00	4	Offline	5	20	5	1.9	225	2.1	77	992.1
1/12/2022	01:30:00 - 01:45:00	4	Offline	5	20	5	2.2	227	2.0	78	992.1
1/12/2022	01:45:00 - 02:00:00	4	Offline	5	20	5	2.4	225	2.0	78	992.1
1/12/2022	02:00:00 - 02:15:00	3	Offline	5	19	5	1.7	225	2.0	78	992.1
1/12/2022	02:15:00 - 02:30:00	3	Offline	5	19	5	1.9	227	2.0	77	992.1
1/12/2022	02:30:00 - 02:45:00	3	Offline	5	19	5	1.6	229	2.0	77	992.0
1/12/2022	02:45:00 - 03:00:00	3	Offline	5	19	5	1.9	228	1.9	77	992.0
1/12/2022	03:00:00 - 03:15:00	3	Offline	5	19	5	1.1	254	1.6	78	992.1
1/12/2022	03:15:00 - 03:30:00	3	Offline	5	19	5	1.4	242	1.5	79	991.9
1/12/2022	03:30:00 - 03:45:00	3	Offline	5	19	5	1.9	218	1.4	79	991.7
1/12/2022	03:45:00 - 04:00:00	3	Offline	5	19	5	1.7	229	1.3	79	991.6
1/12/2022	04:00:00 - 04:15:00	3	Offline	5	19	5	1.8	222	1.2	79	991.3
1/12/2022	04:15:00 - 04:30:00	3	Offline	5	19	5	1.7	229	1.1	79	991.4
1/12/2022	04:30:00 - 04:45:00	3	Offline	5	19	5	1.3	248	0.9	80	991.7
1/12/2022	04:45:00 - 05:00:00	3	Offline	5	19	5	1.1	259	0.6	81	991.8
1/12/2022	05:00:00 - 05:15:00	3	Offline	5	19	5	1.1	252	0.4	82	991.8
1/12/2022	05:15:00 - 05:30:00	3	Offline	5	19	5	1.1	230	0.2	83	991.7
1/12/2022	05:30:00 - 05:45:00	3	Offline	5	19	5	1.1	230	0.1	83	991.5
1/12/2022	05:45:00 - 06:00:00	3	Offline	5	19	5	0.7	249	0.1	83	991.7
1/12/2022	06:00:00 - 06:15:00	3	Offline	5	19	5	1.2	237	0.3	82	991.6
1/12/2022	06:15:00 - 06:30:00	3	Offline	5	19	5	0.8	232	0.4	81	991.6
1/12/2022	06:30:00 - 06:45:00	3	Offline	5	19	5	1.1	230	0.5	80	991.6
1/12/2022	06:45:00 - 07:00:00	3	Offline	5	19	5	1.0	266	0.3	81	991.8
1/12/2022	07:00:00 - 07:15:00	4	Offline	5	20	5	1.0	261	0.3	81	991.6
1/12/2022	07:15:00 - 07:30:00	4	Offline	5	20	5	0.8	273	0.0	81	991.7
1/12/2022	07:30:00 - 07:45:00	4	Offline	5	20	5	0.6	258	0.0	81	991.7
1/12/2022	07:45:00 - 08:00:00	4	Offline	5	20	5	0.7	227	0.1	81	991.5
1/12/2022	08:00:00 - 08:15:00	3	Offline	5	19	5	1.5	222	0.2	81	991.4
1/12/2022	08:15:00 - 08:30:00	4	Offline	5	20	5	0.9	233	0.3	81	991.4
1/12/2022	08:30:00 - 08:45:00	4	Offline	5	21	5	1.0	258	0.8	79	991.6
1/12/2022	08:45:00 - 09:00:00	4	Offline	5	20	5	1.3	250	1.2	77	991.7
1/12/2022	09:00:00 - 09:15:00	4	Offline	5	20	5	1.1	241	1.5	76	991.6
1/12/2022	09:15:00 - 09:30:00	3	Offline	5	20	5	1.4	234	1.8	76	991.7
1/12/2022	09:30:00 - 09:45:00	3	5	5	18	5	1.3	226	2.0	75	991.6
1/12/2022	09:45:00 - 10:00:00	3	5	4	18	4	1.4	219	2.2	75	991.5
1/12/2022	10:00:00 - 10:15:00	3	5	4	20	4	1.0	211	2.4	75	991.3
1/12/2022	10:15:00 - 10:30:00	3	5	4	19	4	1.2	240	2.7	74	990.7
1/12/2022	10:30:00 - 10:45:00	4	5	5	18	4	1.4	233	3.1	73	991.0
1/12/2022	10:45:00 - 11:00:00	4	5	5	19	5	1.3	260	3.7	71	991.3
1/12/2022	11:00:00 - 11:15:00	4	5	5	18	5	1.4	246	3.9	70	991.1
1/12/2022	11:15:00 - 11:30:00	4	5	5	19	5	1.5	230	4.2	68	990.7
1/12/2022	11:30:00 - 11:45:00	4	5	4	18	4	1.5	241	4.7	67	990.6
1/12/2022	11:45:00 - 12:00:00	3	5	4	18	4	1.6	255	5.5	64	990.6
1/12/2022	12:00:00 - 12:15:00	4	5	5	17	4	1.2	244	5.9	62	990.3
1/12/2022	12:15:00 - 12:30:00	14	5	12	17	5	1.6	253	5.9	62	990.4
1/12/2022	12:30:00 - 12:45:00	4	5	5	17	4	1.1	263	5.7	64	990.3
1/12/2022	12:45:00 - 13:00:00	4	5	5	19	5	0.7	212	5.6	64	990.1
1/12/2022	13:00:00 - 13:15:00	4	5	4	22	5	1.2	154	5.6	64	988.9
1/12/2022	13:15:00 - 13:30:00	4	5	5	18	4	1.8	236	5.6	65	990.0
1/12/2022	13:30:00 - 13:45:00	4	5	4	17	4	1.8	219	5.8	64	990.0
1/12/2022	13:45:00 - 14:00:00	3	5	4	17	4	1.3	205	6.1	63	989.6
1/12/2022	14:00:00 - 14:15:00	3	5	4	16	4	2.0	207	6.3	62	989.3
1/12/2022	14:15:00 - 14:30:00	3	5	4	16	4	1.9	215	6.2	62	989.4
1/12/2022	14:30:00 - 14:45:00	3	5	4	16	4	1.4	219	6.3	63	989.4
1/12/2022	14:45:00 - 15:00:00	3	5	4	16	4	1.4	212	6.2	64	989.5
1/12/2022	15:00:00 - 15:15:00	4	5	4	19	4	1.6	203	6.2	65	989.4
1/12/2022	15:15:00 - 15:30:00	4	5	4	19	4	1.0	198	6.1	66	989.3
1/12/2022	15:30:00 - 15:45:00	4	5	4	21	5	0.4	189	6.1	66	989.2
1/12/2022	15:45:00 - 16:00:00	4	5	4	20	5	0.3	181	6.1	66	989.2
1/12/2022	16:00:00 - 16:15:00	4	5	5	19	5	0.6	231	5.9	67	989.3

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/12/2022	16:15:00 - 16:30:00	4	5	5	20	5	0.5	209	5.5	69	989.2
1/12/2022	16:30:00 - 16:45:00	4	5	5	21	5	0.5	208	5.4	69	989.0
1/12/2022	16:45:00 - 17:00:00	4	5	5	22	6	1.1	215	5.2	70	988.8
1/12/2022	17:00:00 - 17:15:00	4	5	5	22	5	1.0	216	5.1	71	988.7
1/12/2022	17:15:00 - 17:30:00	4	5	5	22	6	0.9	206	4.9	72	988.6
1/12/2022	17:30:00 - 17:45:00	4	5	5	22	5	0.8	202	4.5	74	988.5
1/12/2022	17:45:00 - 18:00:00	4	5	5	22	6	0.9	198	4.3	75	988.5
1/12/2022	18:00:00 - 18:15:00	4	5	6	23	6	1.0	208	3.9	75	988.6
1/12/2022	18:15:00 - 18:30:00	5	5	6	23	6	1.1	219	3.9	75	988.8
1/12/2022	18:30:00 - 18:45:00	5	5	6	25	6	1.3	222	4.3	74	989.0
1/12/2022	18:45:00 - 19:00:00	5	5	6	25	6	1.9	222	5.2	71	989.2
1/12/2022	19:00:00 - 19:15:00	5	5	7	26	7	1.6	227	4.9	72	989.4
1/12/2022	19:15:00 - 19:30:00	5	5	6	26	7	2.0	230	4.7	72	989.5
1/12/2022	19:30:00 - 19:45:00	5	5	6	26	7	2.0	230	4.6	72	989.4
1/12/2022	19:45:00 - 20:00:00	5	5	6	26	7	1.5	227	4.5	73	989.3
1/12/2022	20:00:00 - 20:15:00	5	5	6	27	7	1.2	229	4.3	73	989.1
1/12/2022	20:15:00 - 20:30:00	5	5	6	27	7	1.5	228	4.3	74	988.9
1/12/2022	20:30:00 - 20:45:00	5	5	6	27	7	0.9	209	4.1	74	988.6
1/12/2022	20:45:00 - 21:00:00	5	5	7	27	7	1.1	217	3.5	76	988.2
1/12/2022	21:00:00 - 21:15:00	6	5	7	29	8	0.3	192	2.8	78	988.0
1/12/2022	21:15:00 - 21:30:00	6	5	7	30	8	0.5	215	2.3	80	987.7
1/12/2022	21:30:00 - 21:45:00	6	5	7	31	8	0.6	229	2.0	81	987.6
1/12/2022	21:45:00 - 22:00:00	6	5	7	30	8	0.1	158	1.8	82	987.1
1/12/2022	22:00:00 - 22:15:00	6	5	7	29	7	0.1	166	1.7	83	986.9
1/12/2022	22:15:00 - 22:30:00	6	5	7	28	7	0.3	235	2.0	83	986.7
1/12/2022	22:30:00 - 22:45:00	6	5	7	30	7	0.8	276	1.9	83	986.8
1/12/2022	22:45:00 - 23:00:00	6	5	7	31	8	1.3	237	2.5	82	986.9
1/12/2022	23:00:00 - 23:15:00	6	5	7	28	7	1.4	254	2.9	81	986.9
1/12/2022	23:15:00 - 23:30:00	5	5	6	26	6	1.5	257	2.9	80	986.9
1/12/2022	23:30:00 - 23:45:00	5	5	6	25	6	1.1	265	2.6	81	986.6
1/12/2022	23:45:00 - 00:00:00	5	5	6	25	6	1.2	258	2.2	82	986.5
1/13/2022	00:00:00 - 00:15:00	5	5	6	25	6	1.5	278	2.1	82	986.5
1/13/2022	00:15:00 - 00:30:00	5	5	6	26	7	0.6	284	1.7	83	986.3
1/13/2022	00:30:00 - 00:45:00	5	5	6	27	7	0.4	269	1.2	85	986.1
1/13/2022	00:45:00 - 01:00:00	6	5	7	27	7	0.7	267	0.9	86	986.0
1/13/2022	01:00:00 - 01:15:00	5	5	7	28	7	0.6	280	0.7	86	986.0
1/13/2022	01:15:00 - 01:30:00	6	5	7	28	7	0.7	280	0.6	87	985.9
1/13/2022	01:30:00 - 01:45:00	6	5	7	29	7	1.1	275	0.7	87	985.8
1/13/2022	01:45:00 - 02:00:00	6	5	7	29	7	1.1	278	0.9	86	985.7
1/13/2022	02:00:00 - 02:15:00	6	5	7	28	7	0.9	279	0.8	86	985.5
1/13/2022	02:15:00 - 02:30:00	5	5	7	28	7	1.5	278	1.1	85	985.5
1/13/2022	02:30:00 - 02:45:00	5	5	7	28	7	1.1	286	1.0	85	985.3
1/13/2022	02:45:00 - 03:00:00	5	5	7	28	7	1.4	293	1.1	85	985.2
1/13/2022	03:00:00 - 03:15:00	5	5	7	28	7	1.5	288	1.1	85	984.9
1/13/2022	03:15:00 - 03:30:00	6	5	7	29	7	1.6	290	1.0	85	984.8
1/13/2022	03:30:00 - 03:45:00	6	5	7	30	8	1.6	297	0.9	86	984.8
1/13/2022	03:45:00 - 04:00:00	6	5	7	30	8	1.5	307	0.7	86	984.7
1/13/2022	04:00:00 - 04:15:00	6	5	7	30	8	1.6	307	0.5	87	984.6
1/13/2022	04:15:00 - 04:30:00	6	5	7	31	8	1.8	304	0.2	88	984.7
1/13/2022	04:30:00 - 04:45:00	7	5	8	33	8	1.7	304	0.0	89	984.8
1/13/2022	04:45:00 - 05:00:00	7	5	8	35	9	1.5	300	0.0	89	984.9
1/13/2022	05:00:00 - 05:15:00	7	5	9	36	9	1.3	308	0.0	89	985.0
1/13/2022	05:15:00 - 05:30:00	8	5	9	36	9	1.4	310	-0.1	89	984.9
1/13/2022	05:30:00 - 05:45:00	8	5	9	38	10	1.2	297	-0.3	90	984.9
1/13/2022	05:45:00 - 06:00:00	8	5	10	40	11	1.2	311	-0.3	90	984.9
1/13/2022	06:00:00 - 06:15:00	9	5	10	41	11	1.0	312	-0.4	90	985.0
1/13/2022	06:15:00 - 06:30:00	9	5	10	43	11	1.2	304	-0.5	91	985.1
1/13/2022	06:30:00 - 06:45:00	10	5	11	44	12	1.3	309	-0.7	91	985.0
1/13/2022	06:45:00 - 07:00:00	11	5	12	50	13	1.2	299	-0.7	92	985.0
1/13/2022	07:00:00 - 07:15:00	13	5	14	57	15	1.0	312	-0.6	92	984.9
1/13/2022	07:15:00 - 07:30:00	14	5	15	62	17	1.4	318	-0.4	92	985.0
1/13/2022	07:30:00 - 07:45:00	15	5	16	66	18	1.3	311	-0.2	91	985.2
1/13/2022	07:45:00 - 08:00:00	16	5	17	68	18	1.4	325	-0.1	91	985.4
1/13/2022	08:00:00 - 08:15:00	16	5	18	70	18	1.6	328	0.0	91	985.5
1/13/2022	08:15:00 - 08:30:00	16	5	17	70	18	2.5	333	0.1	91	985.7

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/13/2022	08:30:00 - 08:45:00	15	5	16	67	17	2.8	328	0.1	92	985.8
1/13/2022	08:45:00 - 09:00:00	15	5	16	65	17	2.2	341	0.3	92	985.8
1/13/2022	09:00:00 - 09:15:00	14	5	15	64	17	2.0	351	0.5	92	985.9
1/13/2022	09:15:00 - 09:30:00	14	5	15	62	17	2.0	341	0.8	91	986.1
1/13/2022	09:30:00 - 09:45:00	14	5	15	64	18	1.7	359	1.0	91	986.2
1/13/2022	09:45:00 - 10:00:00	13	5	14	59	17	2.4	342	1.2	90	986.5
1/13/2022	10:00:00 - 10:15:00	13	5	14	58	16	2.2	350	1.4	90	986.5
1/13/2022	10:15:00 - 10:30:00	12	5	13	55	16	2.3	346	1.5	91	986.5
1/13/2022	10:30:00 - 10:45:00	13	5	14	60	17	2.2	4	1.7	91	986.4
1/13/2022	10:45:00 - 11:00:00	14	5	15	60	17	2.0	352	2.0	91	986.4
1/13/2022	11:00:00 - 11:15:00	15	5	16	73	20	2.0	6	2.4	90	986.3
1/13/2022	11:15:00 - 11:30:00	19	5	20	83	24	2.0	352	2.5	90	986.2
1/13/2022	11:30:00 - 11:45:00	21	5	22	90	27	1.4	351	2.9	91	986.0
1/13/2022	11:45:00 - 12:00:00	20	5	21	91	26	1.9	19	3.8	88	985.8
1/13/2022	12:00:00 - 12:15:00	21	5	21	88	25	1.8	358	4.4	86	985.7
1/13/2022	12:15:00 - 12:30:00	20	5	21	84	24	1.9	345	5.0	84	985.8
1/13/2022	12:30:00 - 12:45:00	21	12	22	82	24	2.1	338	5.4	82	985.6
1/13/2022	12:45:00 - 13:00:00	20	18	20	79	24	2.5	331	5.8	80	985.8
1/13/2022	13:00:00 - 13:15:00	19	17	19	75	23	2.6	344	6.1	78	985.9
1/13/2022	13:15:00 - 13:30:00	18	17	18	74	22	2.6	332	6.1	79	985.9
1/13/2022	13:30:00 - 13:45:00	18	16	18	70	21	2.6	348	6.2	79	985.9
1/13/2022	13:45:00 - 14:00:00	15	14	15	60	17	2.7	345	6.2	78	986.2
1/13/2022	14:00:00 - 14:15:00	15	13	14	57	16	2.7	336	6.0	79	986.4
1/13/2022	14:15:00 - 14:30:00	14	13	14	56	16	3.1	334	5.2	81	986.6
1/13/2022	14:30:00 - 14:45:00	15	14	15	59	17	2.9	340	4.5	83	986.8
1/13/2022	14:45:00 - 15:00:00	15	15	16	63	18	2.7	349	4.0	84	987.0
1/13/2022	15:00:00 - 15:15:00	17	16	18	70	20	2.6	335	3.4	86	987.3
1/13/2022	15:15:00 - 15:30:00	18	16	19	72	21	2.5	342	2.9	87	987.4
1/13/2022	15:30:00 - 15:45:00	18	17	19	73	21	2.8	326	2.8	88	987.6
1/13/2022	15:45:00 - 16:00:00	17	17	18	72	21	3.1	328	2.6	89	987.8
1/13/2022	16:00:00 - 16:15:00	17	17	18	72	21	2.5	342	2.5	89	987.9
1/13/2022	16:15:00 - 16:30:00	17	17	19	72	21	2.0	344	2.5	89	988.1
1/13/2022	16:30:00 - 16:45:00	18	17	19	74	22	2.3	339	2.5	89	988.5
1/13/2022	16:45:00 - 17:00:00	17	16	18	70	20	2.4	336	2.5	89	988.6
1/13/2022	17:00:00 - 17:15:00	17	17	18	74	21	1.9	324	2.5	89	988.7
1/13/2022	17:15:00 - 17:30:00	18	19	19	78	22	1.7	323	2.5	90	988.9
1/13/2022	17:30:00 - 17:45:00	18	21	19	78	22	1.6	313	2.4	90	988.9
1/13/2022	17:45:00 - 18:00:00	18	23	18	75	22	2.1	296	2.4	90	989.1
1/13/2022	18:00:00 - 18:15:00	18	22	19	80	23	1.9	305	2.3	91	989.3
1/13/2022	18:15:00 - 18:30:00	20	22	21	87	25	1.8	304	1.9	92	989.4
1/13/2022	18:30:00 - 18:45:00	21	22	21	89	26	2.7	313	1.5	94	989.5
1/13/2022	18:45:00 - 19:00:00	20	20	21	85	25	2.6	319	1.2	96	989.7
1/13/2022	19:00:00 - 19:15:00	20	20	20	83	25	2.5	335	0.9	97	989.8
1/13/2022	19:15:00 - 19:30:00	20	20	19	84	25	2.1	334	0.7	98	990.0
1/13/2022	19:30:00 - 19:45:00	20	20	17	83	25	2.4	332	0.5	99	990.0
1/13/2022	19:45:00 - 20:00:00	19	20	15	80	24	2.3	326	0.3	99	990.1
1/13/2022	20:00:00 - 20:15:00	18	19	12	77	24	2.3	330	0.1	100	990.1
1/13/2022	20:15:00 - 20:30:00	18	18	14	76	23	1.9	341	-0.1	100	990.1
1/13/2022	20:30:00 - 20:45:00	17	18	13	72	23	1.5	346	-0.3	100	990.0
1/13/2022	20:45:00 - 21:00:00	17	18	13	72	23	1.7	340	-0.5	100	990.2
1/13/2022	21:00:00 - 21:15:00	16	17	11	66	22	1.5	344	-0.7	100	990.3
1/13/2022	21:15:00 - 21:30:00	16	18	11	70	24	1.1	345	-0.7	100	990.3
1/13/2022	21:30:00 - 21:45:00	16	17	12	70	24	1.6	356	-0.8	100	990.2
1/13/2022	21:45:00 - 22:00:00	16	18	12	70	23	1.4	350	-0.9	100	990.3
1/13/2022	22:00:00 - 22:15:00	16	18	11	77	28	1.0	20	-1.0	100	990.4
1/13/2022	22:15:00 - 22:30:00	16	18	12	74	27	1.0	349	-1.1	100	990.5
1/13/2022	22:30:00 - 22:45:00	16	18	12	70	24	0.9	331	-1.2	100	990.5
1/13/2022	22:45:00 - 23:00:00	17	18	12	71	26	0.9	329	-1.3	100	990.4
1/13/2022	23:00:00 - 23:15:00	18	19	13	73	25	0.9	318	-1.3	100	990.3
1/13/2022	23:15:00 - 23:30:00	17	19	12	74	25	0.8	314	-1.3	100	990.1
1/13/2022	23:30:00 - 23:45:00	16	18	13	73	24	1.0	324	-1.4	100	990.3
1/13/2022	23:45:00 - 00:00:00	16	19	12	71	23	0.9	304	-1.3	100	990.7
1/14/2022	00:00:00 - 00:15:00	16	20	12	71	22	1.2	299	-1.4	100	990.8
1/14/2022	00:15:00 - 00:30:00	17	19	13	75	24	0.7	299	-1.3	100	990.8
1/14/2022	00:30:00 - 00:45:00	17	18	14	76	24	0.9	319	-1.3	100	990.8

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/14/2022	00:45:00 - 01:00:00	18	18	14	76	24	1.1	319	-1.2	100	990.9
1/14/2022	01:00:00 - 01:15:00	17	18	13	78	25	0.7	318	-1.2	100	990.8
1/14/2022	01:15:00 - 01:30:00	18	19	13	82	26	0.7	323	-1.1	100	990.8
1/14/2022	01:30:00 - 01:45:00	18	19	14	85	27	0.6	355	-1.1	100	990.9
1/14/2022	01:45:00 - 02:00:00	18	19	14	83	26	0.7	336	-1.1	100	991.0
1/14/2022	02:00:00 - 02:15:00	18	19	15	81	25	0.8	332	-1.1	100	991.0
1/14/2022	02:15:00 - 02:30:00	18	20	14	90	31	0.4	0	-1.2	100	991.1
1/14/2022	02:30:00 - 02:45:00	16	18	11	97	38	0.8	39	-1.3	100	991.0
1/14/2022	02:45:00 - 03:00:00	14	16	11	88	33	0.7	48	-1.4	100	990.9
1/14/2022	03:00:00 - 03:15:00	14	15	12	84	27	0.7	27	-1.4	100	990.9
1/14/2022	03:15:00 - 03:30:00	12	14	11	82	26	0.4	43	-1.4	100	991.0
1/14/2022	03:30:00 - 03:45:00	11	13	11	84	26	0.5	38	-1.3	100	991.0
1/14/2022	03:45:00 - 04:00:00	10	12	11	84	25	0.9	85	-1.3	100	991.1
1/14/2022	04:00:00 - 04:15:00	10	11	11	83	25	0.7	77	-1.3	100	991.1
1/14/2022	04:15:00 - 04:30:00	9	11	11	82	25	1.0	77	-1.3	100	991.2
1/14/2022	04:30:00 - 04:45:00	8	10	10	73	21	1.2	81	-1.3	100	991.1
1/14/2022	04:45:00 - 05:00:00	8	10	11	69	21	1.5	96	-1.3	100	991.0
1/14/2022	05:00:00 - 05:15:00	9	11	11	72	22	1.3	91	-1.3	100	991.2
1/14/2022	05:15:00 - 05:30:00	9	11	11	59	17	0.8	89	-1.4	100	991.2
1/14/2022	05:30:00 - 05:45:00	9	11	11	56	16	0.1	218	-1.3	100	991.4
1/14/2022	05:45:00 - 06:00:00	9	10	11	56	16	0.2	133	-1.1	100	991.6
1/14/2022	06:00:00 - 06:15:00	10	11	11	58	17	0.2	39	-1.0	100	991.7
1/14/2022	06:15:00 - 06:30:00	12	13	13	60	17	0.4	348	-0.9	100	991.9
1/14/2022	06:30:00 - 06:45:00	13	14	13	62	18	0.5	332	-0.8	100	992.1
1/14/2022	06:45:00 - 07:00:00	13	15	14	63	18	0.4	315	-0.8	100	992.3
1/14/2022	07:00:00 - 07:15:00	14	15	14	64	19	0.8	350	-0.7	100	992.4
1/14/2022	07:15:00 - 07:30:00	15	16	15	68	20	0.9	334	-0.7	100	992.6
1/14/2022	07:30:00 - 07:45:00	16	17	16	72	21	0.9	340	-0.6	100	992.5
1/14/2022	07:45:00 - 08:00:00	16	17	16	74	21	0.8	350	-0.5	100	992.4
1/14/2022	08:00:00 - 08:15:00	16	16	15	71	21	0.7	350	-0.5	100	992.5
1/14/2022	08:15:00 - 08:30:00	16	17	16	70	20	1.0	347	-0.5	100	992.7
1/14/2022	08:30:00 - 08:45:00	16	16	16	68	20	1.0	350	-0.4	100	992.8
1/14/2022	08:45:00 - 09:00:00	14	15	14	67	19	0.8	12	-0.4	100	992.8
1/14/2022	09:00:00 - 09:15:00	12	13	14	62	17	1.0	3	-0.3	100	993.2
1/14/2022	09:15:00 - 09:30:00	11	13	13	61	16	0.9	28	-0.3	100	993.2
1/14/2022	09:30:00 - 09:45:00	12	17	14	64	18	1.1	11	-0.2	100	993.4
1/14/2022	09:45:00 - 10:00:00	15	14	18	68	21	1.2	30	-0.1	100	993.7
1/14/2022	10:00:00 - 10:15:00	13	14	15	69	19	1.0	40	0.2	100	993.8
1/14/2022	10:15:00 - 10:30:00	12	13	14	63	17	1.2	21	0.7	100	993.9
1/14/2022	10:30:00 - 10:45:00	11	12	14	58	15	1.2	45	1.0	100	993.8
1/14/2022	10:45:00 - 11:00:00	12	12	13	61	16	1.7	51	1.1	100	993.6
1/14/2022	11:00:00 - 11:15:00	13	14	14	68	17	1.9	54	1.3	100	993.4
1/14/2022	11:15:00 - 11:30:00	13	14	15	69	17	2.2	67	1.4	100	993.2
1/14/2022	11:30:00 - 11:45:00	14	14	15	69	17	2.2	66	1.7	100	993.1
1/14/2022	11:45:00 - 12:00:00	12	13	14	65	15	2.7	71	1.9	97	993.1
1/14/2022	12:00:00 - 12:15:00	13	13	14	60	16	2.7	75	2.1	92	992.9
1/14/2022	12:15:00 - 12:30:00	14	14	15	64	17	2.2	73	2.3	90	992.7
1/14/2022	12:30:00 - 12:45:00	14	14	15	72	17	2.4	63	2.7	89	992.5
1/14/2022	12:45:00 - 13:00:00	14	14	15	64	17	2.6	88	2.7	87	992.5
1/14/2022	13:00:00 - 13:15:00	14	14	15	66	17	2.0	78	2.8	87	992.6
1/14/2022	13:15:00 - 13:30:00	14	14	15	68	18	1.9	82	2.7	87	992.7
1/14/2022	13:30:00 - 13:45:00	15	14	16	68	18	2.6	91	2.6	86	992.6
1/14/2022	13:45:00 - 14:00:00	15	15	16	74	19	1.8	81	2.5	87	992.4
1/14/2022	14:00:00 - 14:15:00	15	16	17	71	19	2.5	76	2.4	87	992.4
1/14/2022	14:15:00 - 14:30:00	15	15	16	70	19	2.4	77	2.5	86	992.3
1/14/2022	14:30:00 - 14:45:00	16	16	17	72	20	2.4	70	2.5	87	992.3
1/14/2022	14:45:00 - 15:00:00	15	16	17	79	19	2.8	81	2.5	87	992.2
1/14/2022	15:00:00 - 15:15:00	15	15	16	74	18	2.2	81	2.6	86	992.3
1/14/2022	15:15:00 - 15:30:00	15	15	16	76	19	2.0	64	2.6	85	992.4
1/14/2022	15:30:00 - 15:45:00	15	15	16	70	19	2.9	80	2.5	85	992.4
1/14/2022	15:45:00 - 16:00:00	15	15	17	74	19	3.6	80	2.4	84	992.3
1/14/2022	16:00:00 - 16:15:00	15	16	17	74	19	2.8	75	2.3	85	992.3
1/14/2022	16:15:00 - 16:30:00	16	16	17	72	19	2.5	73	2.2	85	992.4
1/14/2022	16:30:00 - 16:45:00	16	18	17	81	20	2.5	78	2.1	86	992.4
1/14/2022	16:45:00 - 17:00:00	16	17	18	77	21	2.4	77	1.9	86	992.4

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/14/2022	17:00:00 - 17:15:00	17	17	18	76	21	1.9	82	1.8	87	992.5
1/14/2022	17:15:00 - 17:30:00	17	18	19	80	21	1.4	78	1.7	88	992.6
1/14/2022	17:30:00 - 17:45:00	18	18	19	80	22	1.7	80	1.6	88	992.6
1/14/2022	17:45:00 - 18:00:00	18	18	19	82	22	2.4	82	1.5	88	992.6
1/14/2022	18:00:00 - 18:15:00	17	19	19	84	22	2.1	77	1.4	88	992.7
1/14/2022	18:15:00 - 18:30:00	17	24	18	104	22	2.3	75	1.4	88	992.8
1/14/2022	18:30:00 - 18:45:00	17	23	18	101	22	2.1	77	1.3	88	993.0
1/14/2022	18:45:00 - 19:00:00	16	21	18	87	21	2.0	73	1.3	89	993.1
1/14/2022	19:00:00 - 19:15:00	16	20	18	88	22	1.6	72	1.3	89	993.2
1/14/2022	19:15:00 - 19:30:00	15	17	16	77	19	1.9	73	1.2	89	993.1
1/14/2022	19:30:00 - 19:45:00	15	17	16	71	19	2.0	78	1.2	89	993.1
1/14/2022	19:45:00 - 20:00:00	14	15	15	65	17	2.5	81	1.2	89	993.1
1/14/2022	20:00:00 - 20:15:00	13	14	15	60	16	2.3	78	1.1	89	993.1
1/14/2022	20:15:00 - 20:30:00	13	14	14	61	16	2.5	76	1.1	89	993.1
1/14/2022	20:30:00 - 20:45:00	13	14	14	60	16	2.8	82	1.1	89	993.1
1/14/2022	20:45:00 - 21:00:00	13	13	14	58	16	2.8	88	1.0	90	993.1
1/14/2022	21:00:00 - 21:15:00	12	13	14	57	16	3.0	81	0.9	90	993.1
1/14/2022	21:15:00 - 21:30:00	13	14	14	60	16	2.5	83	0.9	90	993.2
1/14/2022	21:30:00 - 21:45:00	14	14	15	62	17	2.8	84	0.9	89	993.1
1/14/2022	21:45:00 - 22:00:00	14	15	16	66	17	2.3	87	0.8	89	993.2
1/14/2022	22:00:00 - 22:15:00	15	16	16	68	18	2.9	85	0.8	89	993.3
1/14/2022	22:15:00 - 22:30:00	16	17	18	74	20	2.7	84	0.7	89	993.3
1/14/2022	22:30:00 - 22:45:00	18	18	19	78	21	2.7	86	0.6	89	993.4
1/14/2022	22:45:00 - 23:00:00	18	18	19	81	22	3.3	91	0.5	89	993.4
1/14/2022	23:00:00 - 23:15:00	18	19	20	83	22	2.9	86	0.5	89	993.4
1/14/2022	23:15:00 - 23:30:00	19	19	20	83	23	3.1	87	0.4	90	993.5
1/14/2022	23:30:00 - 23:45:00	19	20	21	87	24	2.9	85	0.4	90	993.6
1/14/2022	23:45:00 - 00:00:00	20	21	22	91	25	2.9	86	0.4	90	993.8
1/15/2022	00:00:00 - 00:15:00	21	21	22	92	26	3.2	87	0.3	90	993.7
1/15/2022	00:15:00 - 00:30:00	21	21	22	93	26	3.9	91	0.1	91	993.5
1/15/2022	00:30:00 - 00:45:00	21	21	22	93	26	3.8	90	0.1	92	993.5
1/15/2022	00:45:00 - 01:00:00	20	21	22	91	26	3.4	85	0.1	92	993.6
1/15/2022	01:00:00 - 01:15:00	19	20	21	88	25	3.3	87	0.0	92	993.6
1/15/2022	01:15:00 - 01:30:00	19	19	20	83	23	3.4	92	0.0	92	993.7
1/15/2022	01:30:00 - 01:45:00	17	18	19	80	22	3.4	83	0.0	92	993.9
1/15/2022	01:45:00 - 02:00:00	17	17	18	75	21	3.5	86	0.0	92	994.1
1/15/2022	02:00:00 - 02:15:00	18	19	19	80	23	4.0	87	-0.1	92	994.3
1/15/2022	02:15:00 - 02:30:00	20	21	21	89	24	3.5	86	-0.3	93	994.4
1/15/2022	02:30:00 - 02:45:00	22	22	23	96	Offline	3.4	86	-0.5	94	994.4
1/15/2022	02:45:00 - 03:00:00	21	22	22	98	Offline	4.0	86	-0.7	95	994.6
1/15/2022	03:00:00 - 03:15:00	20	20	21	91	Offline	3.8	82	-1.0	96	994.6
1/15/2022	03:15:00 - 03:30:00	18	19	19	82	Offline	4.0	81	-1.2	95	994.8
1/15/2022	03:30:00 - 03:45:00	17	18	18	77	Offline	3.8	90	-1.4	95	995.0
1/15/2022	03:45:00 - 04:00:00	16	17	18	81	Offline	3.2	83	-1.6	96	995.3
1/15/2022	04:00:00 - 04:15:00	15	16	17	72	Offline	3.7	77	-1.9	96	995.3
1/15/2022	04:15:00 - 04:30:00	14	15	15	68	Offline	4.4	86	-2.1	95	995.4
1/15/2022	04:30:00 - 04:45:00	12	13	13	55	Offline	4.6	84	-2.4	95	995.4
1/15/2022	04:45:00 - 05:00:00	12	13	13	53	Offline	4.5	84	-2.6	95	995.4
1/15/2022	05:00:00 - 05:15:00	9	11	11	44	Offline	4.3	87	-2.9	94	995.7
1/15/2022	05:15:00 - 05:30:00	9	10	10	41	Offline	4.6	86	-3.0	94	995.8
1/15/2022	05:30:00 - 05:45:00	7	8	8	33	Offline	4.2	85	-3.2	93	995.8
1/15/2022	05:45:00 - 06:00:00	6	8	8	32	Offline	3.6	82	-3.4	93	996.2
1/15/2022	06:00:00 - 06:15:00	8	9	9	38	Offline	4.2	87	-3.6	93	996.3
1/15/2022	06:15:00 - 06:30:00	9	10	10	42	Offline	4.0	83	-3.7	92	996.5
1/15/2022	06:30:00 - 06:45:00	9	11	10	44	Offline	4.1	91	-3.9	92	996.7
1/15/2022	06:45:00 - 07:00:00	9	11	10	47	Offline	3.6	77	-4.1	91	996.9
1/15/2022	07:00:00 - 07:15:00	9	10	9	42	Offline	3.4	84	-4.4	91	997.1
1/15/2022	07:15:00 - 07:30:00	9	10	10	42	Offline	3.7	85	-4.6	91	997.3
1/15/2022	07:30:00 - 07:45:00	9	10	9	43	Offline	2.8	86	-4.6	91	997.5
1/15/2022	07:45:00 - 08:00:00	9	10	10	43	Offline	3.3	81	-4.6	92	997.7
1/15/2022	08:00:00 - 08:15:00	9	9	9	41	Offline	3.1	79	-4.4	92	998.1
1/15/2022	08:15:00 - 08:30:00	7	8	8	38	Offline	3.7	71	-4.6	90	998.4
1/15/2022	08:30:00 - 08:45:00	6	7	7	36	Offline	3.9	72	-4.6	88	998.2
1/15/2022	08:45:00 - 09:00:00	5	7	7	31	Offline	4.1	73	-4.6	87	998.1
1/15/2022	09:00:00 - 09:15:00	5	7	7	30	Offline	4.0	71	-4.6	86	998.1

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)
1/15/2022	09:15:00 - 09:30:00	6	7	8	35	Offline	3.8	74	-4.6	87	998.1
1/15/2022	09:30:00 - 09:45:00	6	7	8	33	Offline	4.0	68	-5.2	87	998.2
1/15/2022	09:45:00 - 10:00:00	5	7	7	31	Offline	4.4	72	-4.9	85	998.3
1/15/2022	10:00:00 - 10:15:00	5	6	7	31	Offline	4.0	77	-4.5	84	998.6
1/15/2022	10:15:00 - 10:30:00	4	6	6	28	Offline	3.6	66	-4.4	83	999.0
1/15/2022	10:30:00 - 10:45:00	4	5	6	29	Offline	3.5	64	-4.4	81	999.0
1/15/2022	10:45:00 - 11:00:00	4	5	6	27	Offline	3.7	65	-4.3	80	998.9
1/15/2022	11:00:00 - 11:15:00	4	5	6	29	Offline	3.6	67	-4.1	79	998.8
1/15/2022	11:15:00 - 11:30:00	4	5	6	27	Offline	3.5	65	-3.8	79	998.6
1/15/2022	11:30:00 - 11:45:00	4	5	6	27	Offline	3.5	74	-3.9	80	998.3
1/15/2022	11:45:00 - 12:00:00	4	5	6	26	Offline	3.9	69	-4.1	80	998.3
1/15/2022	12:00:00 - 12:15:00	5	5	6	27	Offline	3.5	60	-3.8	79	998.2
1/15/2022	12:15:00 - 12:30:00	4	5	6	28	Offline	4.0	65	-3.7	78	998.0
1/15/2022	12:30:00 - 12:45:00	4	5	6	28	Offline	3.6	65	-3.9	79	997.7
1/15/2022	12:45:00 - 13:00:00	4	5	6	30	Offline	3.6	71	-3.3	78	997.4
1/15/2022	13:00:00 - 13:15:00	4	5	5	28	Offline	4.2	75	-3.2	77	997.3
1/15/2022	13:15:00 - 13:30:00	4	5	5	28	Offline	4.3	71	-3.0	76	997.2
1/15/2022	13:30:00 - 13:45:00	4	5	5	27	Offline	4.1	68	-2.8	75	997.1
1/15/2022	13:45:00 - 14:00:00	4	5	5	29	Offline	3.7	65	-2.6	74	996.9
1/15/2022	14:00:00 - 14:15:00	4	5	5	33	Offline	3.6	72	-2.3	74	996.7
1/15/2022	14:15:00 - 14:30:00	4	5	5	28	Offline	4.0	80	-2.2	72	996.5
1/15/2022	14:30:00 - 14:45:00	4	6	6	31	Offline	3.7	69	-2.2	72	996.5
1/15/2022	14:45:00 - 15:00:00	4	6	6	31	Offline	4.0	77	-2.3	72	996.6
1/15/2022	15:00:00 - 15:15:00	5	6	6	32	Offline	3.6	78	-2.3	72	996.9
1/15/2022	15:15:00 - 15:30:00	5	6	6	30	Offline	3.3	72	-2.4	71	997.0
1/15/2022	15:30:00 - 15:45:00	5	7	7	36	Offline	3.4	71	-2.6	72	997.1
1/15/2022	15:45:00 - 16:00:00	6	7	8	42	Offline	2.8	64	-2.7	73	997.2
1/15/2022	16:00:00 - 16:15:00	7	7	9	37	Offline	2.9	63	-2.8	73	997.2
1/15/2022	16:15:00 - 16:30:00	6	6	8	38	Offline	2.9	61	-3.0	73	997.1
1/15/2022	16:30:00 - 16:45:00	6	7	8	38	Offline	2.7	68	-3.1	74	997.1
1/15/2022	16:45:00 - 17:00:00	6	7	8	42	Offline	3.1	61	-3.3	75	997.1
1/15/2022	17:00:00 - 17:15:00	6	7	8	40	Offline	3.0	69	-3.5	76	997.0
1/15/2022	17:15:00 - 17:30:00	7	7	8	42	Offline	2.7	76	-3.7	77	997.0
1/15/2022	17:30:00 - 17:45:00	7	8	8	40	Offline	2.2	71	-3.9	77	997.1
1/15/2022	17:45:00 - 18:00:00	7	8	9	51	Offline	2.2	71	-4.0	78	997.2
1/15/2022	18:00:00 - 18:15:00	7	8	9	55	Offline	2.1	68	-4.3	80	997.1
1/15/2022	18:15:00 - 18:30:00	8	8	9	52	Offline	2.3	71	-4.4	80	997.0
1/15/2022	18:30:00 - 18:45:00	8	8	9	47	Offline	2.5	71	-4.5	79	996.9
1/15/2022	18:45:00 - 19:00:00	8	8	9	46	Offline	2.5	69	-4.7	80	996.9
1/15/2022	19:00:00 - 19:15:00	8	8	9	46	Offline	2.3	70	-4.8	80	997.0
1/15/2022	19:15:00 - 19:30:00	8	8	9	50	Offline	2.2	70	-4.9	81	996.9
1/15/2022	19:30:00 - 19:45:00	8	8	8	53	Offline	2.0	70	-5.1	82	996.8
1/15/2022	19:45:00 - 20:00:00	8	8	8	56	Offline	2.2	72	-5.3	83	996.8
1/15/2022	20:00:00 - 20:15:00	7	8	8	51	Offline	2.0	70	-5.4	83	996.7
1/15/2022	20:15:00 - 20:30:00	7	8	8	51	Offline	2.0	73	-5.6	83	996.7
1/15/2022	20:30:00 - 20:45:00	7	8	8	42	Offline	2.2	79	-5.7	82	996.6
1/15/2022	20:45:00 - 21:00:00	8	8	8	38	Offline	2.2	87	-5.9	82	996.5
1/15/2022	21:00:00 - 21:15:00	8	8	8	44	Offline	2.2	78	-5.9	81	996.3
1/15/2022	21:15:00 - 21:30:00	8	8	8	40	Offline	2.1	84	-6.0	80	996.3
1/15/2022	21:30:00 - 21:45:00	8	9	9	53	Offline	2.1	80	-6.1	80	996.3
1/15/2022	21:45:00 - 22:00:00	8	8	9	64	Offline	1.7	72	-6.3	81	996.3
1/15/2022	22:00:00 - 22:15:00	8	9	9	67	Offline	1.8	80	-6.5	83	996.2
1/15/2022	22:15:00 - 22:30:00	8	9	9	60	Offline	1.7	79	-6.7	83	996.1
1/15/2022	22:30:00 - 22:45:00	9	9	10	66	Offline	1.4	82	-6.9	84	995.9
1/15/2022	22:45:00 - 23:00:00	9	9	10	58	Offline	1.6	81	-7.1	84	995.7
1/15/2022	23:00:00 - 23:15:00	9	9	9	54	Offline	1.5	81	-7.3	85	995.5
1/15/2022	23:15:00 - 23:30:00	9	9	10	49	Offline	1.2	85	-7.5	86	995.3
1/15/2022	23:30:00 - 23:45:00	9	9	9	48	Offline	1.3	87	-7.5	86	995.1
1/15/2022	23:45:00 - 00:00:00	9	9	10	60	Offline	1.2	85	-7.6	86	995.2
1/16/2022	00:00:00 - 00:15:00	9	9	9	59	Offline	1.3	81	-7.6	86	995.1
1/16/2022	00:15:00 - 00:30:00	14	11	15	55	Offline	1.3	75	-7.9	86	993.7
1/16/2022	00:30:00 - 00:45:00	10	8	11	67	Offline	1.3	71	-7.9	87	993.8
1/16/2022	00:45:00 - 01:00:00	10	8	11	62	Offline	1.2	78	-8.0	87	994.0
1/16/2022	01:00:00 - 01:15:00	10	8	10	68	Offline	1.1	84	-8.1	87	993.6
1/16/2022	01:15:00 - 01:30:00	9	7	9	83	Offline	1.0	76	-8.2	86	993.9

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/16/2022	01:30:00 - 01:45:00	7	7	8	70	Offline	1.0	63	-8.3	87	993.6
1/16/2022	01:45:00 - 02:00:00	8	8	9	57	Offline	1.1	70	-8.4	88	993.7
1/16/2022	02:00:00 - 02:15:00	7	8	8	61	Offline	1.5	74	-8.5	88	993.7
1/16/2022	02:15:00 - 02:30:00	7	9	8	50	Offline	1.6	88	-8.7	88	993.6
1/16/2022	02:30:00 - 02:45:00	8	9	9	59	Offline	1.5	88	-8.8	89	993.6
1/16/2022	02:45:00 - 03:00:00	8	9	9	42	Offline	1.3	92	-8.9	89	993.3
1/16/2022	03:00:00 - 03:15:00	8	11	9	50	Offline	1.5	91	-9.0	89	993.0
1/16/2022	03:15:00 - 03:30:00	9	10	10	54	Offline	1.4	91	-9.1	89	992.6
1/16/2022	03:30:00 - 03:45:00	9	9	10	55	Offline	1.2	92	-9.1	89	992.4
1/16/2022	03:45:00 - 04:00:00	9	9	9	59	Offline	0.6	85	-9.3	90	992.3
1/16/2022	04:00:00 - 04:15:00	9	9	9	71	Offline	0.7	68	-9.4	90	992.0
1/16/2022	04:15:00 - 04:30:00	9	9	9	70	Offline	0.9	74	-9.5	90	991.6
1/16/2022	04:30:00 - 04:45:00	9	9	9	60	Offline	0.5	56	-9.6	90	991.3
1/16/2022	04:45:00 - 05:00:00	9	9	9	70	Offline	0.7	70	-9.8	91	991.4
1/16/2022	05:00:00 - 05:15:00	9	9	9	68	Offline	0.7	77	-9.9	91	991.4
1/16/2022	05:15:00 - 05:30:00	10	9	10	62	Offline	0.8	83	-10.0	91	991.2
1/16/2022	05:30:00 - 05:45:00	10	9	9	47	Offline	0.7	102	-10.0	92	991.0
1/16/2022	05:45:00 - 06:00:00	10	10	10	50	Offline	1.1	91	-10.0	92	990.6
1/16/2022	06:00:00 - 06:15:00	9	9	9	56	Offline	0.9	87	-10.1	92	990.5
1/16/2022	06:15:00 - 06:30:00	9	10	9	44	Offline	1.3	96	-10.2	92	990.3
1/16/2022	06:30:00 - 06:45:00	9	9	9	40	Offline	0.8	95	-10.3	92	990.2
1/16/2022	06:45:00 - 07:00:00	9	9	9	45	Offline	0.4	61	-10.4	93	990.2
1/16/2022	07:00:00 - 07:15:00	10	9	9	56	Offline	0.7	100	-10.6	93	990.0
1/16/2022	07:15:00 - 07:30:00	10	15	9	62	Offline	0.8	110	-10.7	93	989.8
1/16/2022	07:30:00 - 07:45:00	12	10	11	38	Offline	0.3	346	-10.5	93	990.0
1/16/2022	07:45:00 - 08:00:00	10	9	9	55	Offline	0.3	41	-10.0	92	989.8
1/16/2022	08:00:00 - 08:15:00	10	8	10	63	Offline	0.5	83	-9.6	91	989.6
1/16/2022	08:15:00 - 08:30:00	9	8	10	50	Offline	0.5	10	-9.1	90	989.1
1/16/2022	08:30:00 - 08:45:00	10	8	10	36	Offline	0.6	7	-8.8	89	988.5
1/16/2022	08:45:00 - 09:00:00	9	8	10	40	Offline	0.8	20	-8.2	88	988.2
1/16/2022	09:00:00 - 09:15:00	8	8	10	48	Offline	1.5	87	-7.5	87	987.9
1/16/2022	09:15:00 - 09:30:00	8	8	9	35	Offline	0.6	54	-6.7	84	987.8
1/16/2022	09:30:00 - 09:45:00	8	8	9	42	Offline	1.0	356	-6.3	82	987.6
1/16/2022	09:45:00 - 10:00:00	8	8	9	40	Offline	0.7	24	-5.5	81	987.4
1/16/2022	10:00:00 - 10:15:00	7	8	9	37	Offline	0.9	27	-5.1	80	987.2
1/16/2022	10:15:00 - 10:30:00	7	8	9	36	Offline	1.0	359	-4.6	79	987.1
1/16/2022	10:30:00 - 10:45:00	7	8	9	36	Offline	1.1	5	-4.2	77	986.9
1/16/2022	10:45:00 - 11:00:00	7	8	8	34	Offline	1.1	45	-3.9	76	986.3
1/16/2022	11:00:00 - 11:15:00	7	7	8	34	Offline	1.0	15	-3.4	75	986.1
1/16/2022	11:15:00 - 11:30:00	6	7	8	30	Offline	1.5	335	-3.1	75	986.1
1/16/2022	11:30:00 - 11:45:00	6	7	8	29	Offline	1.9	331	-3.0	75	985.8
1/16/2022	11:45:00 - 12:00:00	6	6	8	29	Offline	1.5	347	-2.7	75	985.3
1/16/2022	12:00:00 - 12:15:00	6	6	7	28	Offline	1.8	338	-2.2	72	985.1
1/16/2022	12:15:00 - 12:30:00	6	6	7	28	Offline	1.6	350	-1.7	70	984.8
1/16/2022	12:30:00 - 12:45:00	6	7	8	29	Offline	1.8	336	-1.5	69	984.6
1/16/2022	12:45:00 - 13:00:00	6	7	7	30	Offline	1.6	357	-1.3	67	984.3
1/16/2022	13:00:00 - 13:15:00	6	7	8	30	Offline	2.1	343	-1.1	68	984.0
1/16/2022	13:15:00 - 13:30:00	6	7	7	30	Offline	2.2	343	-1.1	68	983.7
1/16/2022	13:30:00 - 13:45:00	6	7	8	31	Offline	2.0	348	-0.8	68	983.4
1/16/2022	13:45:00 - 14:00:00	7	7	8	32	Offline	1.5	355	-0.7	68	983.2
1/16/2022	14:00:00 - 14:15:00	7	8	8	33	Offline	1.9	352	-0.7	69	982.9
1/16/2022	14:15:00 - 14:30:00	8	8	9	34	Offline	2.1	332	-0.9	70	982.7
1/16/2022	14:30:00 - 14:45:00	8	8	9	35	Offline	1.5	351	-1.1	71	982.5
1/16/2022	14:45:00 - 15:00:00	8	8	9	36	Offline	1.7	335	-1.5	72	982.2
1/16/2022	15:00:00 - 15:15:00	8	8	9	37	Offline	1.5	349	-1.5	72	982.3
1/16/2022	15:15:00 - 15:30:00	8	8	9	36	Offline	1.6	331	-1.6	72	982.1
1/16/2022	15:30:00 - 15:45:00	8	9	9	37	Offline	2.3	324	-1.9	74	982.3
1/16/2022	15:45:00 - 16:00:00	9	9	10	40	Offline	2.0	314	-2.1	74	982.3
1/16/2022	16:00:00 - 16:15:00	9	9	10	40	Offline	2.3	326	-2.2	75	982.4
1/16/2022	16:15:00 - 16:30:00	9	9	10	40	Offline	2.2	323	-2.4	77	982.3
1/16/2022	16:30:00 - 16:45:00	9	10	10	40	Offline	1.5	332	-2.7	77	981.7
1/16/2022	16:45:00 - 17:00:00	9	10	10	41	Offline	1.4	324	-2.8	78	981.6
1/16/2022	17:00:00 - 17:15:00	9	9	10	40	Offline	2.0	328	-3.0	78	981.7
1/16/2022	17:15:00 - 17:30:00	8	9	9	36	Offline	2.0	315	-3.1	76	981.7
1/16/2022	17:30:00 - 17:45:00	7	8	9	34	Offline	1.6	317	-3.2	76	981.6

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/16/2022	17:45:00 - 18:00:00	7	9	8	34	Offline	1.8	315	-3.3	76	981.5
1/16/2022	18:00:00 - 18:15:00	7	8	9	34	Offline	2.2	320	-3.3	75	981.5
1/16/2022	18:15:00 - 18:30:00	7	8	8	33	Offline	2.2	317	-3.3	74	981.4
1/16/2022	18:30:00 - 18:45:00	7	9	9	35	Offline	2.0	316	-3.3	77	981.6
1/16/2022	18:45:00 - 19:00:00	7	8	9	35	Offline	1.9	321	-3.3	77	981.3
1/16/2022	19:00:00 - 19:15:00	7	9	9	35	Offline	1.8	312	-3.3	77	981.5
1/16/2022	19:15:00 - 19:30:00	7	8	8	34	Offline	2.2	312	-3.3	77	981.4
1/16/2022	19:30:00 - 19:45:00	7	9	9	35	Offline	1.4	319	-3.3	79	981.3
1/16/2022	19:45:00 - 20:00:00	8	9	9	36	Offline	1.8	322	-3.2	80	981.2
1/16/2022	20:00:00 - 20:15:00	7	8	9	34	Offline	1.7	319	-3.1	79	981.2
1/16/2022	20:15:00 - 20:30:00	7	8	9	34	Offline	1.7	312	-3.0	78	981.3
1/16/2022	20:30:00 - 20:45:00	7	9	9	35	Offline	2.0	300	-3.0	77	981.3
1/16/2022	20:45:00 - 21:00:00	7	9	9	35	Offline	1.9	295	-3.0	76	981.3
1/16/2022	21:00:00 - 21:15:00	8	10	9	37	Offline	1.9	306	-3.3	80	981.2
1/16/2022	21:15:00 - 21:30:00	9	11	11	43	Offline	1.7	301	-3.5	84	981.0
1/16/2022	21:30:00 - 21:45:00	11	12	12	49	Offline	1.6	284	-3.8	87	980.8
1/16/2022	21:45:00 - 22:00:00	12	13	13	53	Offline	2.3	292	-4.2	89	980.6
1/16/2022	22:00:00 - 22:15:00	11	13	12	50	Offline	1.7	287	-4.4	89	980.4
1/16/2022	22:15:00 - 22:30:00	11	13	13	50	Offline	1.8	290	-4.3	89	980.2
1/16/2022	22:30:00 - 22:45:00	12	13	13	52	Offline	2.3	287	-4.2	87	980.2
1/16/2022	22:45:00 - 23:00:00	12	14	14	55	Offline	2.9	291	-4.3	86	980.2
1/16/2022	23:00:00 - 23:15:00	13	15	14	58	Offline	2.6	292	-4.4	87	980.0
1/16/2022	23:15:00 - 23:30:00	14	16	15	61	Offline	2.9	293	-4.5	88	980.1
1/16/2022	23:30:00 - 23:45:00	15	16	16	64	Offline	2.2	297	-4.5	89	980.1
1/16/2022	23:45:00 - 00:00:00	16	16	16	66	Offline	2.0	310	-4.5	89	979.9
1/17/2022	00:00:00 - 00:15:00	16	16	17	67	Offline	2.0	319	-4.5	89	979.8
1/17/2022	00:15:00 - 00:30:00	16	16	17	68	Offline	2.6	315	-4.5	88	979.9
1/17/2022	00:30:00 - 00:45:00	17	17	18	72	Offline	2.5	308	-4.6	86	980.0
1/17/2022	00:45:00 - 01:00:00	18	18	19	75	Offline	2.4	327	-4.8	86	980.0
1/17/2022	01:00:00 - 01:15:00	18	18	19	76	Offline	2.6	319	-5.0	86	980.0
1/17/2022	01:15:00 - 01:30:00	18	18	18	74	Offline	2.7	316	-5.0	86	980.1
1/17/2022	01:30:00 - 01:45:00	17	17	18	74	Offline	2.7	322	-5.2	86	980.1
1/17/2022	01:45:00 - 02:00:00	18	17	18	74	Offline	2.1	322	-5.3	86	980.0
1/17/2022	02:00:00 - 02:15:00	17	17	18	73	Offline	2.1	317	-5.3	86	980.1
1/17/2022	02:15:00 - 02:30:00	17	17	18	73	Offline	2.3	303	-5.3	86	980.3
1/17/2022	02:30:00 - 02:45:00	18	17	18	75	Offline	2.3	313	-5.3	87	980.4
1/17/2022	02:45:00 - 03:00:00	17	17	18	72	Offline	2.8	316	-5.3	86	980.4
1/17/2022	03:00:00 - 03:15:00	16	16	17	68	Offline	2.2	296	-5.3	87	980.4
1/17/2022	03:15:00 - 03:30:00	15	16	16	67	Offline	2.1	305	-5.3	87	980.5
1/17/2022	03:30:00 - 03:45:00	15	15	16	65	Offline	2.1	308	-5.3	87	980.5
1/17/2022	03:45:00 - 04:00:00	14	15	15	60	Offline	2.2	314	-5.4	87	980.5
1/17/2022	04:00:00 - 04:15:00	14	14	15	60	Offline	2.4	315	-5.4	87	980.8
1/17/2022	04:15:00 - 04:30:00	13	14	15	59	Offline	2.2	306	-5.3	88	981.0
1/17/2022	04:30:00 - 04:45:00	14	14	15	59	Offline	2.3	311	-5.3	88	980.9
1/17/2022	04:45:00 - 05:00:00	14	14	15	60	Offline	2.3	297	-5.3	88	980.9
1/17/2022	05:00:00 - 05:15:00	14	14	15	60	Offline	2.2	304	-5.3	88	981.0
1/17/2022	05:15:00 - 05:30:00	13	14	14	59	Offline	2.0	303	-5.2	88	981.2
1/17/2022	05:30:00 - 05:45:00	13	14	14	58	Offline	2.5	299	-5.1	88	981.5
1/17/2022	05:45:00 - 06:00:00	13	14	14	57	Offline	2.7	297	-5.1	88	981.6
1/17/2022	06:00:00 - 06:15:00	13	14	14	57	Offline	2.3	297	-5.0	88	981.9
1/17/2022	06:15:00 - 06:30:00	13	14	14	57	Offline	2.4	288	-5.0	88	982.3
1/17/2022	06:30:00 - 06:45:00	13	14	14	57	Offline	2.7	295	-5.0	87	982.3
1/17/2022	06:45:00 - 07:00:00	13	14	14	57	Offline	2.3	297	-4.8	87	982.5
1/17/2022	07:00:00 - 07:15:00	13	14	14	57	Offline	2.7	300	-4.8	86	982.7
1/17/2022	07:15:00 - 07:30:00	14	14	15	57	Offline	2.4	302	-4.6	86	982.8
1/17/2022	07:30:00 - 07:45:00	14	14	15	58	Offline	3.0	303	-4.5	86	983.0
1/17/2022	07:45:00 - 08:00:00	14	14	15	63	24	2.7	305	-4.5	86	983.0
1/17/2022	08:00:00 - 08:15:00	14	15	16	61	22	2.4	302	-4.4	86	983.2
1/17/2022	08:15:00 - 08:30:00	15	15	18	60	20	3.2	298	-4.4	86	983.6
1/17/2022	08:30:00 - 08:45:00	14	14	15	59	18	3.1	294	-4.2	85	983.9
1/17/2022	08:45:00 - 09:00:00	13	13	14	57	17	3.0	298	-4.0	84	984.2
1/17/2022	09:00:00 - 09:15:00	13	13	14	54	16	2.8	305	-3.9	84	984.4
1/17/2022	09:15:00 - 09:30:00	12	12	14	52	15	2.6	307	-3.7	84	984.6
1/17/2022	09:30:00 - 09:45:00	11	12	13	50	14	2.9	301	-3.6	83	985.0
1/17/2022	09:45:00 - 10:00:00	11	11	12	48	13	3.1	314	-3.3	83	985.3

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/17/2022	10:00:00 - 10:15:00	11	11	12	45	13	3.3	320	-3.2	82	985.4
1/17/2022	10:15:00 - 10:30:00	10	10	11	43	12	3.3	319	-3.0	81	985.4
1/17/2022	10:30:00 - 10:45:00	9	10	10	41	11	3.4	316	-2.9	81	985.5
1/17/2022	10:45:00 - 11:00:00	9	9	10	38	10	0.8	327	-2.6	80	985.5
1/17/2022	11:00:00 - 11:15:00	9	7	10	36	10	16.9	144	-2.5	80	985.3
1/17/2022	11:15:00 - 11:30:00	14	5	12	16	13	17.9	144	-2.3	80	985.4
1/17/2022	11:30:00 - 11:45:00	11	5	10	3	12	17.4	145	-2.2	79	985.3
1/17/2022	11:45:00 - 12:00:00	11	4	9	2	11	16.7	144	-2.1	78	985.2
1/17/2022	12:00:00 - 12:15:00	9	3	8	2	10	2.9	319	-2.2	76	985.6
1/17/2022	12:15:00 - 12:30:00	7	3	7	2	8	3.4	327	-2.4	74	985.9
1/17/2022	12:30:00 - 12:45:00	8	3	7	2	8	3.2	326	-2.5	76	985.4
1/17/2022	12:45:00 - 13:00:00	7	3	7	2	8	3.3	298	-2.7	77	985.4
1/17/2022	13:00:00 - 13:15:00	7	3	7	2	8	2.6	308	-2.9	76	985.2
1/17/2022	13:15:00 - 13:30:00	10	4	9	2	10	2.5	317	-2.8	76	985.2
1/17/2022	13:30:00 - 13:45:00	10	4	9	2	10	2.8	315	-2.8	76	985.3
1/17/2022	13:45:00 - 14:00:00	11	4	9	2	10	3.2	304	-2.7	76	985.6
1/17/2022	14:00:00 - 14:15:00	10	4	9	2	10	2.9	313	-2.6	76	985.8
1/17/2022	14:15:00 - 14:30:00	9	4	8	2	10	2.7	302	-2.5	76	986.0
1/17/2022	14:30:00 - 14:45:00	9	5	9	2	10	2.9	305	-2.5	76	986.1
1/17/2022	14:45:00 - 15:00:00	10	5	9	3	11	2.2	304	-2.3	77	986.2
1/17/2022	15:00:00 - 15:15:00	10	5	9	2	11	2.9	294	-2.1	76	986.4
1/17/2022	15:15:00 - 15:30:00	10	5	9	2	11	2.4	293	-2.0	76	986.4
1/17/2022	15:30:00 - 15:45:00	10	5	9	3	11	2.5	291	-1.9	76	986.5
1/17/2022	15:45:00 - 16:00:00	11	5	10	3	12	1.9	292	-1.8	76	986.6
1/17/2022	16:00:00 - 16:15:00	12	5	10	3	13	1.7	285	-1.7	76	986.8
1/17/2022	16:15:00 - 16:30:00	12	6	11	3	13	2.1	280	-1.6	77	986.6
1/17/2022	16:30:00 - 16:45:00	16	7	13	4	16	2.5	273	-1.5	78	986.8
1/17/2022	16:45:00 - 17:00:00	16	7	13	4	16	2.3	275	-1.5	79	986.9
1/17/2022	17:00:00 - 17:15:00	13	6	11	3	13	2.5	277	-1.6	82	986.9
1/17/2022	17:15:00 - 17:30:00	13	6	11	3	14	2.0	278	-1.6	82	987.2
1/17/2022	17:30:00 - 17:45:00	14	6	12	3	14	2.4	276	-1.6	83	987.2
1/17/2022	17:45:00 - 18:00:00	13	6	11	3	13	2.7	273	-1.7	80	987.3
1/17/2022	18:00:00 - 18:15:00	12	5	11	3	13	2.7	277	-1.7	79	987.4
1/17/2022	18:15:00 - 18:30:00	11	5	10	3	12	2.5	278	-1.9	79	987.6
1/17/2022	18:30:00 - 18:45:00	11	5	10	3	11	2.9	279	-2.0	79	987.7
1/17/2022	18:45:00 - 19:00:00	12	5	10	3	12	2.7	273	-2.1	79	987.9
1/17/2022	19:00:00 - 19:15:00	11	5	10	3	11	2.3	285	-2.2	79	988.1
1/17/2022	19:15:00 - 19:30:00	10	5	9	2	10	2.3	283	-2.3	80	988.4
1/17/2022	19:30:00 - 19:45:00	9	5	8	2	9	2.0	280	-2.3	80	988.7
1/17/2022	19:45:00 - 20:00:00	9	4	8	2	9	1.6	278	-2.3	81	988.8
1/17/2022	20:00:00 - 20:15:00	8	4	8	2	9	2.7	270	-2.5	80	988.8
1/17/2022	20:15:00 - 20:30:00	8	4	8	2	8	2.5	271	-2.6	80	989.0
1/17/2022	20:30:00 - 20:45:00	8	4	8	2	9	2.3	276	-2.7	80	989.0
1/17/2022	20:45:00 - 21:00:00	8	4	8	2	9	2.8	278	-2.8	81	989.2
1/17/2022	21:00:00 - 21:15:00	8	4	7	2	8	2.4	280	-2.9	81	989.4
1/17/2022	21:15:00 - 21:30:00	8	4	8	2	9	1.7	270	-3.1	82	989.2
1/17/2022	21:30:00 - 21:45:00	9	4	8	2	10	1.4	267	-3.4	84	989.3
1/17/2022	21:45:00 - 22:00:00	9	4	8	2	9	1.3	271	-3.6	85	989.2
1/17/2022	22:00:00 - 22:15:00	9	4	8	2	9	0.9	266	-4.0	86	989.3
1/17/2022	22:15:00 - 22:30:00	11	4	9	2	11	0.7	249	-4.2	87	989.2
1/17/2022	22:30:00 - 22:45:00	11	5	10	3	11	0.7	238	-4.5	89	989.0
1/17/2022	22:45:00 - 23:00:00	11	5	10	3	11	0.9	254	-4.4	89	989.1
1/17/2022	23:00:00 - 23:15:00	11	5	9	3	11	0.8	238	-4.5	90	989.1
1/17/2022	23:15:00 - 23:30:00	11	4	9	3	11	0.7	215	-4.8	90	989.1
1/17/2022	23:30:00 - 23:45:00	11	4	9	3	11	1.0	205	-4.9	91	988.8
1/17/2022	23:45:00 - 00:00:00	10	4	9	2	10	0.6	219	-5.2	91	988.8
1/18/2022	00:00:00 - 00:15:00	10	4	8	2	10	0.8	215	-5.4	91	988.9
1/18/2022	00:15:00 - 00:30:00	10	4	8	2	9	1.1	224	-5.5	91	988.9
1/18/2022	00:30:00 - 00:45:00	9	4	8	2	9	0.9	219	-5.7	91	989.0
1/18/2022	00:45:00 - 01:00:00	9	4	8	2	9	0.7	209	-6.0	91	989.0
1/18/2022	01:00:00 - 01:15:00	9	4	8	2	9	0.7	205	-6.1	92	989.2
1/18/2022	01:15:00 - 01:30:00	10	4	8	2	9	0.5	213	-6.2	92	989.5
1/18/2022	01:30:00 - 01:45:00	10	4	8	2	9	0.7	193	-6.3	92	989.5
1/18/2022	01:45:00 - 02:00:00	10	4	8	2	10	0.5	187	-6.5	92	989.5
1/18/2022	02:00:00 - 02:15:00	11	4	9	2	10	0.8	198	-6.5	93	989.6

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celsius]	Relative Humidity (%)	Pressure (mb)
1/18/2022	02:15:00 - 02:30:00	12	5	10	3	11	0.9	206	-6.4	93	989.5
1/18/2022	02:30:00 - 02:45:00	14	5	11	3	13	1.0	211	-6.4	93	989.5
1/18/2022	02:45:00 - 03:00:00	14	5	11	3	13	0.6	224	-6.6	93	989.4
1/18/2022	03:00:00 - 03:15:00	14	5	11	3	13	0.6	222	-6.7	94	989.4
1/18/2022	03:15:00 - 03:30:00	14	6	11	3	13	1.1	212	-6.7	94	989.2
1/18/2022	03:30:00 - 03:45:00	15	6	12	3	14	0.8	208	-6.5	94	989.3
1/18/2022	03:45:00 - 04:00:00	15	6	11	3	13	0.5	246	-6.8	94	989.3
1/18/2022	04:00:00 - 04:15:00	15	6	12	3	14	0.6	215	-6.9	94	989.4
1/18/2022	04:15:00 - 04:30:00	15	6	12	3	14	0.7	219	-6.8	95	989.4
1/18/2022	04:30:00 - 04:45:00	15	Offline	12	3	14	0.4	197	-6.8	94	989.3
1/18/2022	04:45:00 - 05:00:00	15	Offline	12	4	15	0.2	189	-6.5	95	989.2
1/18/2022	05:00:00 - 05:15:00	14	Offline	12	3	14	0.8	162	-5.8	94	989.2
1/18/2022	05:15:00 - 05:30:00	13	Offline	11	3	13	0.8	181	-5.5	92	989.4
1/18/2022	05:30:00 - 05:45:00	13	Offline	11	3	13	0.7	176	-5.5	91	989.4
1/18/2022	05:45:00 - 06:00:00	12	Offline	11	3	12	0.8	185	-5.4	91	989.4
1/18/2022	06:00:00 - 06:15:00	12	Offline	10	3	12	1.0	178	-5.4	91	989.8
1/18/2022	06:15:00 - 06:30:00	11	Offline	10	3	12	1.1	174	-5.2	92	989.7
1/18/2022	06:30:00 - 06:45:00	11	Offline	10	3	12	1.0	176	-4.9	92	989.7
1/18/2022	06:45:00 - 07:00:00	10	7	9	3	11	1.1	174	-4.6	93	989.6
1/18/2022	07:00:00 - 07:15:00	9	6	8	3	10	1.2	182	-4.3	92	989.7
1/18/2022	07:15:00 - 07:30:00	8	5	8	2	9	0.9	185	-4.0	92	989.6
1/18/2022	07:30:00 - 07:45:00	8	4	8	2	9	1.0	188	-3.7	92	989.6
1/18/2022	07:45:00 - 08:00:00	8	4	8	2	8	1.3	188	-3.5	92	989.6
1/18/2022	08:00:00 - 08:15:00	7	4	7	2	11	1.0	175	-3.1	91	989.7
1/18/2022	08:15:00 - 08:30:00	7	4	7	2	8	1.5	192	-2.7	90	989.6
1/18/2022	08:30:00 - 08:45:00	7	4	7	2	8	1.3	193	-2.3	89	989.6
1/18/2022	08:45:00 - 09:00:00	7	4	7	2	8	1.3	198	-1.8	88	989.6
1/18/2022	09:00:00 - 09:15:00	7	3	7	2	8	1.4	175	-1.3	87	989.5
1/18/2022	09:15:00 - 09:30:00	6	3	6	2	7	1.1	187	-0.7	85	989.5
1/18/2022	09:30:00 - 09:45:00	7	3	7	2	8	1.2	177	0.0	83	989.5
1/18/2022	09:45:00 - 10:00:00	8	4	8	2	9	1.3	172	0.6	80	989.3
1/18/2022	10:00:00 - 10:15:00	9	4	8	2	10	1.6	197	1.7	77	989.1
1/18/2022	10:15:00 - 10:30:00	9	4	8	3	10	1.6	186	2.4	75	988.9
1/18/2022	10:30:00 - 10:45:00	9	4	8	3	10	1.2	189	3.3	73	988.7
1/18/2022	10:45:00 - 11:00:00	9	4	8	3	10	1.9	170	3.9	71	988.3
1/18/2022	11:00:00 - 11:15:00	9	4	8	3	10	1.6	189	4.4	70	988.0
1/18/2022	11:15:00 - 11:30:00	9	4	8	2	8	1.6	198	5.0	69	987.6
1/18/2022	11:30:00 - 11:45:00	8	3	7	2	8	1.8	185	5.3	68	987.3
1/18/2022	11:45:00 - 12:00:00	7	3	6	2	7	2.3	193	5.8	66	986.9
1/18/2022	12:00:00 - 12:15:00	8	3	7	2	7	1.8	182	6.2	65	986.7
1/18/2022	12:15:00 - 12:30:00	8	3	7	3	8	1.8	185	6.5	65	986.3
1/18/2022	12:30:00 - 12:45:00	8	3	6	2	7	2.0	185	7.1	64	986.0
1/18/2022	12:45:00 - 13:00:00	8	3	6	2	7	2.1	189	7.5	62	985.6
1/18/2022	13:00:00 - 13:15:00	7	3	6	2	7	2.5	189	7.6	62	985.3
1/18/2022	13:15:00 - 13:30:00	7	3	5	2	7	2.0	192	7.6	62	984.9
1/18/2022	13:30:00 - 13:45:00	7	2	5	2	6	2.3	192	8.0	62	984.7
1/18/2022	13:45:00 - 14:00:00	7	2	5	2	7	2.5	192	7.9	63	984.4
1/18/2022	14:00:00 - 14:15:00	7	3	5	2	6	2.4	196	7.8	63	984.2
1/18/2022	14:15:00 - 14:30:00	7	3	6	2	6	2.8	196	8.0	64	984.1
1/18/2022	14:30:00 - 14:45:00	7	3	5	2	7	2.2	197	8.0	64	983.9
1/18/2022	14:45:00 - 15:00:00	8	3	6	2	7	2.5	197	7.9	65	983.7
1/18/2022	15:00:00 - 15:15:00	7	3	6	2	6	2.5	194	7.6	66	983.6
1/18/2022	15:15:00 - 15:30:00	7	3	6	2	7	2.1	194	7.3	68	983.7
1/18/2022	15:30:00 - 15:45:00	7	3	6	2	6	2.0	199	7.0	69	983.7
1/18/2022	15:45:00 - 16:00:00	7	3	6	2	6	1.9	201	6.9	70	983.5
1/18/2022	16:00:00 - 16:15:00	7	3	6	2	6	1.9	191	6.7	71	983.3
1/18/2022	16:15:00 - 16:30:00	7	3	6	2	7	2.2	193	6.6	71	983.2
1/18/2022	16:30:00 - 16:45:00	7	3	6	2	6	2.1	191	6.3	71	983.0
1/18/2022	16:45:00 - 17:00:00	6	3	6	2	6	2.0	197	5.9	73	983.0
1/18/2022	17:00:00 - 17:15:00	6	3	6	2	6	1.3	201	5.5	75	983.1
1/18/2022	17:15:00 - 17:30:00	7	3	6	2	6	1.5	189	5.3	76	983.1
1/18/2022	17:30:00 - 17:45:00	7	3	6	2	7	1.7	196	5.0	78	983.1
1/18/2022	17:45:00 - 18:00:00	6	3	6	2	6	1.5	215	4.9	78	983.1
1/18/2022	18:00:00 - 18:15:00	6	3	6	2	6	1.7	202	4.7	79	983.2
1/18/2022	18:15:00 - 18:30:00	6	3	6	2	6	1.5	202	4.7	80	983.2

Appendix A: Complete Preliminary Data Record

Date	Timestamp	SAM 1	SAM 2	SAM 3	SAM 4	SAM 5	Meteorological Station				
		Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Average Concentration [µg/m ³]	Wind Speed [mps]	Wind Direction [degrees]	Temperature [°celcius]	Relative Humidity (%)	Pressure (mb)
1/18/2022	18:30:00 - 18:45:00	6	3	6	2	6	1.8	201	4.6	80	983.1
1/18/2022	18:45:00 - 19:00:00	6	3	6	2	6	1.6	196	4.5	81	983.1
1/18/2022	19:00:00 - 19:15:00	5	3	6	2	6	1.7	199	4.4	81	983.1
1/18/2022	19:15:00 - 19:30:00	6	3	6	2	6	1.7	197	4.6	80	983.2
1/18/2022	19:30:00 - 19:45:00	7	3	6	2	7	1.4	194	4.8	79	983.2
1/18/2022	19:45:00 - 20:00:00	7	3	6	2	7	1.4	200	4.9	79	983.2
1/18/2022	20:00:00 - 20:15:00	6	3	6	2	6	1.4	197	4.9	78	983.2
1/18/2022	20:15:00 - 20:30:00	5	3	5	1	6	1.9	203	5.1	78	983.1
1/18/2022	20:30:00 - 20:45:00	5	2	5	1	5	2.3	202	5.4	77	983.1
1/18/2022	20:45:00 - 21:00:00	5	2	5	1	5	2.8	207	5.6	76	983.2
1/18/2022	21:00:00 - 21:15:00	5	2	5	1	5	2.8	200	5.4	77	983.1
1/18/2022	21:15:00 - 21:30:00	5	3	5	1	6	2.0	205	5.2	78	983.1
1/18/2022	21:30:00 - 21:45:00	5	3	6	2	6	2.1	205	4.9	79	983.1
1/18/2022	21:45:00 - 22:00:00	6	3	6	2	6	2.6	206	4.9	80	983.1
1/18/2022	22:00:00 - 22:15:00	7	3	6	2	7	2.3	209	5.0	80	983.3
1/18/2022	22:15:00 - 22:30:00	7	3	6	2	7	2.9	209	5.1	80	983.4
1/18/2022	22:30:00 - 22:45:00	7	3	6	2	7	2.6	212	5.1	81	983.4
1/18/2022	22:45:00 - 23:00:00	6	3	6	2	7	2.8	206	5.2	81	983.5
1/18/2022	23:00:00 - 23:15:00	6	3	6	2	6	2.9	208	5.3	82	983.5
1/18/2022	23:15:00 - 23:30:00	6	3	6	2	6	2.8	209	5.5	82	983.4
1/18/2022	23:30:00 - 23:45:00	6	3	6	2	6	2.6	203	5.6	82	983.4
1/18/2022	23:45:00 - 00:00:00	6	3	6	2	6	2.4	218	5.7	82	983.2

Appendix A: Complete Preliminary Data Record

1/12/2022																				
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	0720	0	Na	0900	0	1000	0	1130	0	1235	0	1330	0	Na	Na	Na	1600	0		
SAM-2	0729	0	Na	0912	0	1009	0	1141	0	1245	0	1341	0	Na	Na	Na	1610	0		
SAM-3	0725	0	Na	0907	0	1005	0	1137	0	1241	0	1337	0	Na	Na	Na	1607	0		
SAM-4	0723	0	Na	0904	0	1002	0	1134	0	1238	0	1333	0	Na	Na	Na	1603	0		
IMPL-A	0730	0	Na	0913	0	1010	0	1142	0	1246	0	1342	0	Na	Na	Na	1611	0		
IMPL-B	0731	0	Na	0914	0	1011	0	1143	0	1247	0	1343	0	Na	Na	Na	1612	0		
IMPL-C	0731	0	Na	0915	0	1012	0	1144	0	1248	0	1344	0	Na	Na	Na	1613	0		
IMPL-D	0733	0	Na	0916	0	1013	0	1145	0	1249	0	1345	0	Na	Na	Na	1614	0		
IMPL-E	0734	0	Na	0917	0	1014	0	1146	0	1250	0	1346	0	Na	Na	Na	1615	0		
IMPL-F	0735	0	Na	0918	0	1015	0	1147	0	1251	0	1347	0	Na	Na	Na	1616	0		
IMPL-G	0736	0	Na	0919	0	1016	0	1148	0	1252	0	1348	0	Na	Na	Na	1617	0		
IMPL-H	0737	0	Na	0920	0	1017	0	1149	0	1254	0	1349	0	Na	Na	Na	1618	0		
IMPL-I	0738	0	Na	0921	0	1018	0	1150	0	1255	0	1350	0	Na	Na	Na	1619	0		
IMPL-J	0739	0	Na	0922	0	1019	0	1151	0	1256	0	1352	0	Na	Na	Na	1620	0		
IMPL-K	0740	0	Na	0923	0	1020	0	1152	0	1257	0	1353	0	Na	Na	Na	1621	0		
IMPL-L	0741	0	Na	0924	0	1021	0	1153	0	1258	0	1354	0	Na	Na	Na	1622	0		

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

1/13/2022																				
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	0830	0	0930	0	1030	0	1130	0	1230	0	Na	Na	Na	Na	Na	Na	Na	Na
SAM-2	0742	0	0842	0	0939	0	1041	0	1141	0	1242	0	Na	Na	Na	Na	Na	Na	Na	Na
SAM-3	0735	0	0836	0	0936	0	1036	0	1137	0	1237	0	Na	Na	Na	Na	Na	Na	Na	Na
SAM-4	0733	0	0833	0	0934	0	1033	0	1133	0	1234	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-A	0743	0	0843	0	0940	0	1042	0	1142	0	1243	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-B	0744	0	0844	0	0941	0	1043	0	1143	0	1244	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-C	0745	0	0845	0	0942	0	1044	0	1144	0	1245	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-D	0746	0	0846	0	0943	0	1045	0	1145	0	1246	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-E	0747	0	0847	0	0944	0	1046	0	1146	0	1247	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-F	0748	0	0848	0	0945	0	1047	0	1147	0	1248	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-G	0749	0	0849	0	0946	0	1048	0	1148	0	1249	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-H	0750	0	0850	0	0947	0	1049	0	1149	0	1251	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-I	0751	0	0851	0	0948	0	1050	0	1150	0	1252	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-J	0752	0	0852	0	0949	0	1051	0	1151	0	1253	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-K	0753	0	0853	0	0950	0	1052	0	1152	0	1254	0	Na	Na	Na	Na	Na	Na	Na	Na
IMPL-L	0754	0	0854	0	0951	0	1053	0	1153	0	1255	0	Na	Na	Na	Na	Na	Na	Na	Na

Note: Measurements using a portable GC are only needed for concentrations over 0.5 ppm.
Remediation stopped at 1:00 PM CST.

1/14/2022																				
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	0730	0	0827	0	0931	0	1030	0	1130	0	1230	0	1330	0	1430	0	Na	Na	Na	Na
SAM-2	0740	0	0837	0	0942	0	1039	0	1139	0	1238	0	1339	0	1443	0	Na	Na	Na	Na
SAM-3	0736	0	0834	0	0939	0	1036	0	1135	0	1235	0	1335	0	1438	0	Na	Na	Na	Na
SAM-4	0734	0	0830	0	0934	0	1033	0	1132	0	1233	0	1333	0	1434	0	Na	Na	Na	Na
IMPL-A	0741	0	0838	0	0943	0	1040	0	1140	0	1239	0	1340	0	1444	0	Na	Na	Na	Na
IMPL-B	0742	0	0839	0	0944	0	1041	0	1141	0	1240	0	1341	0	1445	0	Na	Na	Na	Na
IMPL-C	0743	0	0840	0	0945	0	1042	0	1142	0	1241	0	1342	0	1446	0	Na	Na	Na	Na
IMPL-D	0744	0	0841	0	0946	0	1043	0	1143	0	1242	0	1343	0	1447	0	Na	Na	Na	Na
IMPL-E	0745	0	0842	0	0947	0	1044	0	1144	0	1243	0	1344	0	1448	0	Na	Na	Na	Na
IMPL-F	0746	0	0843	0	0948	0	1045	0	1145	0	1244	0	1345	0	1449	0	Na	Na	Na	Na
IMPL-G	0747	0	0844	0	0949	0	1046	0	1146	0	1245	0	1346	0	1450	0	Na	Na	Na	Na
IMPL-H	0748	0	0845	0	0950	0	1047	0	1147	0	1246	0	1347	0	1451	0	Na	Na	Na	Na
IMPL-I	0749	0	0846	0	0951	0	1048	0	1148	0	1247	0	1348	0	1452	0	Na	Na	Na	Na
IMPL-J	0750	0	0847	0	0952	0	1049	0	1149	0	1248	0	1349	0	1453	0	Na	Na	Na	Na
IMPL-K	0751	0	0848	0	0953	0	1050	0	1150	0	1249	0	1350	0	1454	0	Na	Na	Na	Na
IMPL-L	0752	0	0849	0	0954	0	1051	0	1151	0	1250	0	1351	0	1455	0	Na	Na	Na	Na

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

Appendix A: Complete Preliminary Data Record

1/17/2022																				
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10	
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)
SAM-1	Na	Na	912	0.0	1012	0.0	1112	0.0	1212	0.0	1312	0.0	1412	0.0	1512	0.0	1612	0.0	1612	0.0
SAM-2	Na	Na	902	0.0	1002	0.0	1102	0.0	1202	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0	1602	0.0
SAM-3	Na	Na	924	0.0	1024	0.0	1124	0.0	1224	0.0	1324	0.0	1424	0.0	1524	0.0	1624	0.0	1624	0.0
SAM-4	Na	Na	917	0.0	1017	0.0	1117	0.0	1217	0.0	1317	0.0	1417	0.0	1517	0.0	1617	0.0	1617	0.0
IMPL-A	Na	Na	900	0.0	1000	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0	1600	0.0
IMPL-B	Na	Na	904	0.0	1004	0.0	1104	0.0	1204	0.0	1304	0.0	1404	0.0	1504	0.0	1604	0.0	1604	0.0
IMPL-C	Na	Na	908	0.0	1008	0.0	1108	0.0	1208	0.0	1308	0.0	1408	0.0	1508	0.0	1608	0.0	1608	0.0
IMPL-D	Na	Na	910	0.0	1010	0.0	1110	0.0	1210	0.0	1310	0.0	1410	0.0	1510	0.0	1610	0.0	1610	0.0
IMPL-E	Na	Na	914	0.0	1014	0.0	1114	0.0	1214	0.0	1314	0.0	1414	0.0	1514	0.0	1614	0.0	1614	0.0
IMPL-F	Na	Na	916	0.0	1016	0.0	1116	0.0	1216	0.0	1316	0.0	1416	0.0	1516	0.0	1616	0.0	1616	0.0
IMPL-G	Na	Na	918	0.0	1018	0.0	1118	0.0	1218	0.0	1318	0.0	1418	0.0	1518	0.0	1618	0.0	1618	0.0
IMPL-H	Na	Na	919	0.0	1019	0.0	1119	0.0	1219	0.0	1319	0.0	1419	0.0	1519	0.0	1619	0.0	1619	0.0
IMPL-I	Na	Na	920	0.0	1020	0.0	1120	0.0	1220	0.0	1320	0.0	1420	0.0	1520	0.0	1620	0.0	1620	0.0
IMPL-J	Na	Na	922	0.0	1022	0.0	1122	0.0	1222	0.0	1322	0.0	1422	0.0	1522	0.0	1622	0.0	1622	0.0
IMPL-K	Na	Na	925	0.0	1025	0.0	1125	0.0	1225	0.0	1325	0.0	1425	0.0	1525	0.0	1625	0.0	1625	0.0
IMPL-L	Na	Na	926	0.0	1026	0.0	1126	0.0	1226	0.0	1326	0.0	1426	0.0	1526	0.0	1626	0.0	1626	0.0

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

1/18/2022																					
Site Name	Reading 1		Reading 2		Reading 3		Reading 4		Reading 5		Reading 6		Reading 7		Reading 8		Reading 9		Reading 10		
	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	Time (CST)	VOC Conc. (ppm)	
SAM-1	Na	812	0.0	912	0.0	1015	0.0	1112	0.0	1212	0.0	1312	0.0	1412	0.0	1512	0.0	1612	0.0	1612	0.0
SAM-2	Na	802	0.0	902	0.0	1005	0.0	1102	0.0	1202	0.0	1302	0.0	1402	0.0	1502	0.0	1602	0.0	1602	0.0
SAM-3	Na	824	0.0	924	0.0	1027	0.0	1124	0.0	1224	0.0	1324	0.0	1424	0.0	1524	0.0	1624	0.0	1624	0.0
SAM-4	Na	817	0.0	917	0.0	1020	0.0	1117	0.0	1217	0.0	1317	0.0	1417	0.0	1517	0.0	1617	0.0	1617	0.0
IMPL-A	Na	800	0.0	900	0.0	1003	0.0	1100	0.0	1200	0.0	1300	0.0	1400	0.0	1500	0.0	1600	0.0	1600	0.0
IMPL-B	Na	804	0.0	904	0.0	1007	0.0	1104	0.0	1204	0.0	1304	0.0	1404	0.0	1504	0.0	1604	0.0	1604	0.0
IMPL-C	Na	808	0.0	908	0.0	1011	0.0	1108	0.0	1208	0.0	1308	0.0	1408	0.0	1508	0.0	1608	0.0	1608	0.0
IMPL-D	Na	810	0.0	910	0.0	1013	0.0	1110	0.0	1210	0.0	1310	0.0	1410	0.0	1510	0.0	1610	0.0	1610	0.0
IMPL-E	Na	814	0.0	914	0.0	1017	0.0	1114	0.0	1214	0.0	1314	0.0	1414	0.0	1514	0.0	1614	0.0	1614	0.0
IMPL-F	Na	816	0.0	916	0.0	1019	0.0	1116	0.0	1216	0.0	1316	0.0	1416	0.0	1516	0.0	1616	0.0	1616	0.0
IMPL-G	Na	818	0.0	918	0.0	1021	0.0	1118	0.0	1218	0.0	1318	0.0	1418	0.0	1518	0.0	1618	0.0	1618	0.0
IMPL-H	Na	819	0.0	919	0.0	1022	0.0	1119	0.0	1219	0.0	1319	0.0	1419	0.0	1519	0.0	1619	0.0	1619	0.0
IMPL-I	Na	820	0.0	920	0.0	1023	0.0	1120	0.0	1220	0.0	1320	0.0	1420	0.0	1520	0.0	1620	0.0	1620	0.0
IMPL-J	Na	822	0.0	922	0.0	1025	0.0	1122	0.0	1222	0.0	1322	0.0	1422	0.0	1522	0.0	1622	0.0	1622	0.0
IMPL-K	Na	825	0.0	925	0.0	1028	0.0	1125	0.0	1225	0.0	1325	0.0	1425	0.0	1525	0.0	1625	0.0	1625	0.0
IMPL-L	Na	826	0.0	926	0.0	1029	0.0	1126	0.0	1226	0.0	1326	0.0	1426	0.0	1526	0.0	1626	0.0	1626	0.0

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

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	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Anthracene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Fluoranthene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Pyrene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Chrysene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Benzo(a)anthracene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Benzo(b)fluoranthene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Benzo(k)fluoranthene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Benzo(a)pyrene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Dibenz(a,h)anthracene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	UG		ND	Benzo(g,h,i)perylene
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	%R	91		Fluorene-d10
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	%R	118		Pyrene-d10
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	%R		ND,Not Spiked	Benzo(a)pyrene-d12
TO-13A	20211222-23-SE-SAM1	12/22/2021 12:12	12/23/2021 12:30	%R		ND,Not Spiked	Fluoranthene-d10
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Naphthalene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	2-Methylnaphthalene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	2-Chloronaphthalene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Acenaphthylene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Acenaphthene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Fluorene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Phenanthrene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Anthracene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Fluoranthene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Pyrene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Chrysene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Benzo(a)anthracene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Benzo(b)fluoranthene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Benzo(k)fluoranthene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Benzo(a)pyrene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Dibenz(a,h)anthracene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	UG		ND	Benzo(g,h,i)perylene
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	%R	80		Fluorene-d10
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	%R	108		Pyrene-d10
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	%R		ND,Not Spiked	Benzo(a)pyrene-d12
TO-13A	20211222-23-SE-SAM3	12/22/2021 12:06	12/23/2021 12:28	%R		ND,Not Spiked	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 Time/Date	End Date/Time				
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Naphthalene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	2-Methylnaphthalene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	2-Chloronaphthalene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Acenaphthylene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Acenaphthene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Fluorene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Phenanthrene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Anthracene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Fluoranthene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Pyrene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Chrysene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Benzo(a)anthracene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Benzo(b)fluoranthene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Benzo(k)fluoranthene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Benzo(a)pyrene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Dibenz(a,h)anthracene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	UG		ND	Benzo(g,h)perylene
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	%R	84		Fluorene-d10
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	%R	96		Pyrene-d10
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	%R		ND,Not Spiked	Benzo(a)pyrene-d12
TO-13A	20211227-29-SE-SAM1	12/27/2021 8:40	12/29/2021 08:31	%R		ND,Not Spiked	Fluoranthene-d10
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Naphthalene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	2-Methylnaphthalene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	2-Chloronaphthalene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Acenaphthylene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Acenaphthene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Fluorene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Phenanthrene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Anthracene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Fluoranthene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Pyrene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Chrysene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Benzo(a)anthracene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Benzo(b)fluoranthene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Benzo(k)fluoranthene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Benzo(a)pyrene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Dibenz(a,h)anthracene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	UG		ND	Benzo(g,h)perylene
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	%R	86		Fluorene-d10
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	%R	105		Pyrene-d10
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	%R		ND,Not Spiked	Benzo(a)pyrene-d12
TO-13A	20211227-29-NE-SAM2	12/27/2021 9:28	12/29/2021 09:09	%R		ND,Not Spiked	Fluoranthene-d10
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Naphthalene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	2-Methylnaphthalene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	2-Chloronaphthalene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Acenaphthylene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Acenaphthene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Fluorene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Phenanthrene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Anthracene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Fluoranthene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Pyrene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Chrysene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Benzo(a)anthracene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Benzo(b)fluoranthene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Benzo(k)fluoranthene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Benzo(a)pyrene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Dibenz(a,h)anthracene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	UG		ND	Benzo(g,h)perylene
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	%R	84		Fluorene-d10
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	%R	112		Pyrene-d10
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	%R		ND,Not Spiked	Benzo(a)pyrene-d12
TO-13A	20211227-29-SE-SAM3	12/27/2021 8:35	12/29/2021 08:22	%R		ND,Not Spiked	Fluoranthene-d10
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Naphthalene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	2-Methylnaphthalene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	2-Chloronaphthalene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Acenaphthylene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Acenaphthene

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Time/Date	End Date/Time				
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Fluorene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Phenanthrene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Anthracene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Fluoranthene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Pyrene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Chrysene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Benzo(a)anthracene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Benzo(b)fluoranthene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Benzo(k)fluoranthene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Benzo(a)pyrene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Dibenz(a,h)anthracene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	UG		ND	Benzo(g,h,i)perylene
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	%R	86		Fluorene-d10
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	%R	102		Pyrene-d10
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	%R		ND,Not Spiked	Benzo(a)pyrene-d12
TO-13A	20211227-29-NW-SAM4	12/27/2021 9:21	12/29/2021 08:58	%R		ND,Not Spiked	Fluoranthene-d10
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Naphthalene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	2-Methylnaphthalene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	2-Chloronaphthalene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Acenaphthylene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Acenaphthene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Fluorene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Phenanthrene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Anthracene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Fluoranthene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Pyrene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Chrysene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Benzo(a)anthracene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Benzo(b)fluoranthene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Benzo(k)fluoranthene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Benzo(a)pyrene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Dibenz(a,h)anthracene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	UG		ND	Benzo(g,h,i)perylene
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	%R	94		Fluorene-d10
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	%R	106		Pyrene-d10
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	%R		ND,Not Spiked	Benzo(a)pyrene-d12
TO-13A	20211227-29-SE-SAM5	12/27/2021 8:52	12/29/2021 08:45	%R		ND,Not Spiked	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	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Naphthalene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	2-Methylnaphthalene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	2-Chloronaphthalene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Acenaphthylene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Acenaphthene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Fluorene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Phenanthrene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Anthracene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Fluoranthene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Pyrene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Chrysene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Benzo(a)anthracene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Benzo(b)fluoranthene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Benzo(k)fluoranthene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Benzo(a)pyrene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Dibenz(a,h)anthracene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	UG		ND	Benzo(g,h,i)perylene
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	%R	80		Fluorene-d10
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	%R	97		Pyrene-d10
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	%R	87		Benzo(a)pyrene-d12
TO-13A	20211229-30-SE-SAM1	12/29/2021 8:35	12/30/2021 15:37	%R	72		Fluoranthene-d10
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Naphthalene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	2-Methylnaphthalene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	2-Chloronaphthalene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Acenaphthylene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Acenaphthene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Fluorene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Phenanthrene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Anthracene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Fluoranthene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Pyrene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Chrysene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Benzo(a)anthracene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Benzo(b)fluoranthene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Benzo(k)fluoranthene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Benzo(a)pyrene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Dibenz(a,h)anthracene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	UG		ND	Benzo(g,h,i)perylene
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	%R	90		Fluorene-d10
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	%R	106		Pyrene-d10
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	%R	92		Benzo(a)pyrene-d12
TO-13A	20211229-30-NE-SAM2	12/29/2021 9:14	12/30/2021 15:30	%R	79		Fluoranthene-d10
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Naphthalene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	2-Methylnaphthalene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	2-Chloronaphthalene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Acenaphthylene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Acenaphthene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Fluorene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Phenanthrene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Anthracene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Fluoranthene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Pyrene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Chrysene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Benzo(a)anthracene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Benzo(b)fluoranthene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Benzo(k)fluoranthene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Benzo(a)pyrene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	UG		ND	Dibenz(a,h)anthracene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	%R	84		Benzo(g,h,i)perylene
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	%R	99		Fluorene-d10
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	%R	79		Pyrene-d10
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	%R	72		Benzo(a)pyrene-d12
TO-13A	20211229-30-SE-SAM3	12/29/2021 8:27	12/30/2021 15:34	%R	72		Fluoranthene-d10
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Naphthalene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	2-Methylnaphthalene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	2-Chloronaphthalene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	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	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Acenaphthene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Fluorene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Phenanthrene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Anthracene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Fluoranthene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Pyrene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Chrysene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Benzo(a)anthracene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Benzo(b)fluoranthene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Benzo(k)fluoranthene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Benzo(a)pyrene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Dibenzo(a,h)anthracene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	UG		ND	Benzo(g,h,i)perylene
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	%R	85		Fluorene-d10
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	%R	110		Pyrene-d10
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	%R	97		Benzo(a)pyrene-d12
TO-13A	20211229-30-NW-SAM4	12/29/2021 9:03	12/30/2021 15:45	%R	77		Fluoranthene-d10
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Naphthalene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	2-Methylnaphthalene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	2-Chloronaphthalene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Acenaphthylene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Acenaphthene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Fluorene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Phenanthrene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Anthracene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Fluoranthene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Pyrene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Chrysene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Benzo(a)anthracene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Benzo(b)fluoranthene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Benzo(k)fluoranthene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Benzo(a)pyrene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Dibenzo(a,h)anthracene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	UG		ND	Benzo(g,h,i)perylene
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	%R	90		Fluorene-d10
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	%R	104		Pyrene-d10
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	%R	92		Benzo(a)pyrene-d12
TO-13A	20211229-30-SW-SAM5	12/29/2021 8:50	12/30/2021 15:40	%R	81		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	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Naphthalene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	2-Methylnaphthalene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	2-Chloronaphthalene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Acenaphthylene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Acenaphthene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Fluorene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Phenanthrene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Anthracene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Fluoranthene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Pyrene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Chrysene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Benzo(a)anthracene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Benzo(b)fluoranthene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Benzo(k)fluoranthene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Benzo(a)pyrene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	%R	75		Fluorene-d10
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	%R	73		Pyrene-d10
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	%R	78		Benzo(a)pyrene-d12
TO-13A	20220103-05-SE-SAM1	1/5/2022 12:16	01/05/2022 13:12	%R	72		Fluoranthene-d10
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Naphthalene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	2-Methylnaphthalene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	2-Chloronaphthalene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Acenaphthylene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Acenaphthene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Fluorene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Phenanthrene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Anthracene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Fluoranthene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Pyrene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Chrysene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Benzo(a)anthracene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Benzo(b)fluoranthene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Benzo(k)fluoranthene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Benzo(a)pyrene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	%R	86		Fluorene-d10
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	%R	92		Pyrene-d10
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	%R	97		Benzo(a)pyrene-d12
TO-13A	20220103-05-NE-SAM2	1/5/2022 12:35	01/05/2022 13:45	%R	82		Fluoranthene-d10
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Naphthalene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	2-Methylnaphthalene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	2-Chloronaphthalene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Acenaphthylene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Acenaphthene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Fluorene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Phenanthrene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Anthracene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Fluoranthene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Pyrene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Chrysene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Benzo(a)anthracene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Benzo(b)fluoranthene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Benzo(k)fluoranthene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Benzo(a)pyrene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	%R	91		Fluorene-d10
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	%R	95		Pyrene-d10
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	%R	98		Benzo(a)pyrene-d12
TO-13A	20220103-05-SE-SAM3	1/5/2022 12:12	01/05/2022 13:29	%R	88		Fluoranthene-d10
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Naphthalene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	2-Methylnaphthalene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	2-Chloronaphthalene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	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	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Acenaphthene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Fluorene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Phenanthrene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Anthracene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Fluoranthene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Pyrene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Chrysene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Benzo(a)anthracene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Benzo(b)fluoranthene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Benzo(k)fluoranthene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Benzo(a)pyrene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	%R	79		Fluorene-d10
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	%R	80		Pyrene-d10
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	%R	86		Benzo(a)pyrene-d12
TO-13A	20220103-05-NW-SAM4	1/5/2022 12:29	01/05/2022 12:40	%R	74		Fluoranthene-d10
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Naphthalene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	2-Methylnaphthalene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	2-Chloronaphthalene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Acenaphthylene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Acenaphthene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Fluorene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Phenanthrene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Anthracene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Fluoranthene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Pyrene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Chrysene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Benzo(a)anthracene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Benzo(b)fluoranthene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Benzo(k)fluoranthene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Benzo(a)pyrene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	%R	74		Fluorene-d10
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	%R	81		Pyrene-d10
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	%R	82		Benzo(a)pyrene-d12
TO-13A	20220103-05-SW-SAM5	1/5/2022 12:24	01/05/2022 12:56	%R	70		Fluoranthene-d10

ND - Non-Detect
 E - Exceeds instrument calibration range.
 Q - Exceeds quality control limits.
 S - Saturated peak.
 J - Estimated value.
 B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
 U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.
 N - The identification is based on presumptive evidence.

Appendix B: Complete Preliminary Lab Result Data

Method	Sample			Units	Results	Data Flags	Compound Name
	ID	Start Date/Time	End Date/Time				
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Naphthalene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	2-Methylnaphthalene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	2-Chloronaphthalene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Acenaphthylene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Acenaphthene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Fluorene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Phenanthrene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Anthracene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Fluoranthene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Pyrene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Chrysene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Benzo(a)anthracene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Benzo(b)fluoranthene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Benzo(k)fluoranthene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Benzo(a)pyrene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	%R	70		Fluorene-d10
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	%R	77		Pyrene-d10
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	%R	76		Benzo(a)pyrene-d12
TO-13A	20220105-07-SE-SAM1	1/5/2022 13:20	01/07/2022 11:06	%R	66		Fluoranthene-d10
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Naphthalene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	2-Methylnaphthalene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	2-Chloronaphthalene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Acenaphthylene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Acenaphthene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Fluorene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Phenanthrene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Anthracene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Fluoranthene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Pyrene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Chrysene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Benzo(a)anthracene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Benzo(b)fluoranthene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Benzo(k)fluoranthene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Benzo(a)pyrene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	%R	84		Fluorene-d10
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	%R	89		Pyrene-d10
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	%R	95		Benzo(a)pyrene-d12
TO-13A	20220105-07-NE-SAM2	1/5/2022 13:52	01/07/2022 11:24	%R	77		Fluoranthene-d10
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Naphthalene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	2-Methylnaphthalene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	2-Chloronaphthalene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Acenaphthylene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Acenaphthene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Fluorene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Phenanthrene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Anthracene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Fluoranthene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Pyrene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Chrysene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Benzo(a)anthracene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Benzo(b)fluoranthene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Benzo(k)fluoranthene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Benzo(a)pyrene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	%R	76		Fluorene-d10
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	%R	79		Pyrene-d10
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	%R	84		Benzo(a)pyrene-d12
TO-13A	20220105-07-SE-SAM3	1/5/2022 13:37	01/07/2022 11:03	%R	71		Fluoranthene-d10
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Naphthalene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	2-Methylnaphthalene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	2-Chloronaphthalene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	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	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Acenaphthene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Fluorene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Phenanthrene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Anthracene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Fluoranthene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Pyrene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Chrysene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Benzo(a)anthracene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Benzo(b)fluoranthene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Benzo(k)fluoranthene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Benzo(a)pyrene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	%R	70		Fluorene-d10
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	%R	76		Pyrene-d10
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	%R	77		Benzo(a)pyrene-d12
TO-13A	20220105-07-NW-SAM4	1/5/2022 12:48	01/07/2022 11:18	%R	67		Fluoranthene-d10
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Naphthalene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	2-Methylnaphthalene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	2-Chloronaphthalene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Acenaphthylene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Acenaphthene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Fluorene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Phenanthrene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Anthracene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Fluoranthene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Pyrene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Chrysene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Benzo(a)anthracene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Benzo(b)fluoranthene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Benzo(k)fluoranthene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Benzo(a)pyrene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Indeno(1,2,3-c,d)pyrene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Dibenz(a,h)anthracene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	UG		ND	Benzo(g,h,i)perylene
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	%R	82		Fluorene-d10
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	%R	94		Pyrene-d10
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	%R	95		Benzo(a)pyrene-d12
TO-13A	20220105-07-SW-SAM5	1/5/2022 13:10	01/07/2022 11:13	%R	79		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	211215-29-SAM1	12/15/2021 14:49	12/29/2021 09:25	UG/M3	0.21	U	Styrene
EPA 325	211215-29-SAM1	12/15/2021 14:49	12/29/2021 09:25	UG/M3	0.48		Benzene
EPA 325	211215-29-SAM1	12/15/2021 14:49	12/29/2021 09:25	UG/M3	0.59		Toluene
EPA 325	211215-29-SAM1	12/15/2021 14:49	12/29/2021 09:25	UG/M3	0.28	U	Ethyl Benzene
EPA 325	211215-29-SAM1	12/15/2021 14:49	12/29/2021 09:25	UG/M3	0.28	U	m,p-Xylene
EPA 325	211215-29-SAM1	12/15/2021 14:49	12/29/2021 09:25	UG/M3	0.28	U	o-Xylene
EPA 325	211215-29-SAM2	12/15/2021 14:27	12/29/2021 09:45	UG/M3	0.21	U	Styrene
EPA 325	211215-29-SAM2	12/15/2021 14:27	12/29/2021 09:45	UG/M3	0.48		Benzene
EPA 325	211215-29-SAM2	12/15/2021 14:27	12/29/2021 09:45	UG/M3	0.68		Toluene
EPA 325	211215-29-SAM2	12/15/2021 14:27	12/29/2021 09:45	UG/M3	0.28	U	Ethyl Benzene
EPA 325	211215-29-SAM2	12/15/2021 14:27	12/29/2021 09:45	UG/M3	0.28	U	m,p-Xylene
EPA 325	211215-29-SAM2	12/15/2021 14:27	12/29/2021 09:45	UG/M3	0.28	U	o-Xylene
EPA 325	211215-29-SAM3	12/15/2021 14:51	12/29/2021 09:22	UG/M3	0.21	U	Styrene
EPA 325	211215-29-SAM3	12/15/2021 14:51	12/29/2021 09:22	UG/M3	0.58		Benzene
EPA 325	211215-29-SAM3	12/15/2021 14:51	12/29/2021 09:22	UG/M3	0.59		Toluene
EPA 325	211215-29-SAM3	12/15/2021 14:51	12/29/2021 09:22	UG/M3	0.28	U	Ethyl Benzene
EPA 325	211215-29-SAM3	12/15/2021 14:51	12/29/2021 09:22	UG/M3	0.28	U	m,p-Xylene
EPA 325	211215-29-SAM3	12/15/2021 14:51	12/29/2021 09:22	UG/M3	0.28	U	o-Xylene
EPA 325	211215-29-SAM4	12/15/2021 14:34	12/29/2021 09:34	UG/M3	0.21	U	Styrene
EPA 325	211215-29-SAM4	12/15/2021 14:34	12/29/2021 09:34	UG/M3	0.49		Benzene
EPA 325	211215-29-SAM4	12/15/2021 14:34	12/29/2021 09:34	UG/M3	0.78		Toluene
EPA 325	211215-29-SAM4	12/15/2021 14:34	12/29/2021 09:34	UG/M3	0.28	U	Ethyl Benzene
EPA 325	211215-29-SAM4	12/15/2021 14:34	12/29/2021 09:34	UG/M3	0.28	U	m,p-Xylene
EPA 325	211215-29-SAM4	12/15/2021 14:34	12/29/2021 09:34	UG/M3	0.28	U	o-Xylene
EPA 325	211215-29-SAM5	12/15/2021 14:39	12/29/2021 09:30	UG/M3	0.21	U	Styrene
EPA 325	211215-29-SAM5	12/15/2021 14:39	12/29/2021 09:30	UG/M3	0.51		Benzene
EPA 325	211215-29-SAM5	12/15/2021 14:39	12/29/2021 09:30	UG/M3	0.60		Toluene
EPA 325	211215-29-SAM5	12/15/2021 14:39	12/29/2021 09:30	UG/M3	0.28	U	Ethyl Benzene
EPA 325	211215-29-SAM5	12/15/2021 14:39	12/29/2021 09:30	UG/M3	0.28	U	m,p-Xylene
EPA 325	211215-29-SAM5	12/15/2021 14:39	12/29/2021 09:30	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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