

# Ameren Champaign MGP - Fifth Street

## Weekly Air Monitoring Report

17 January, 2022

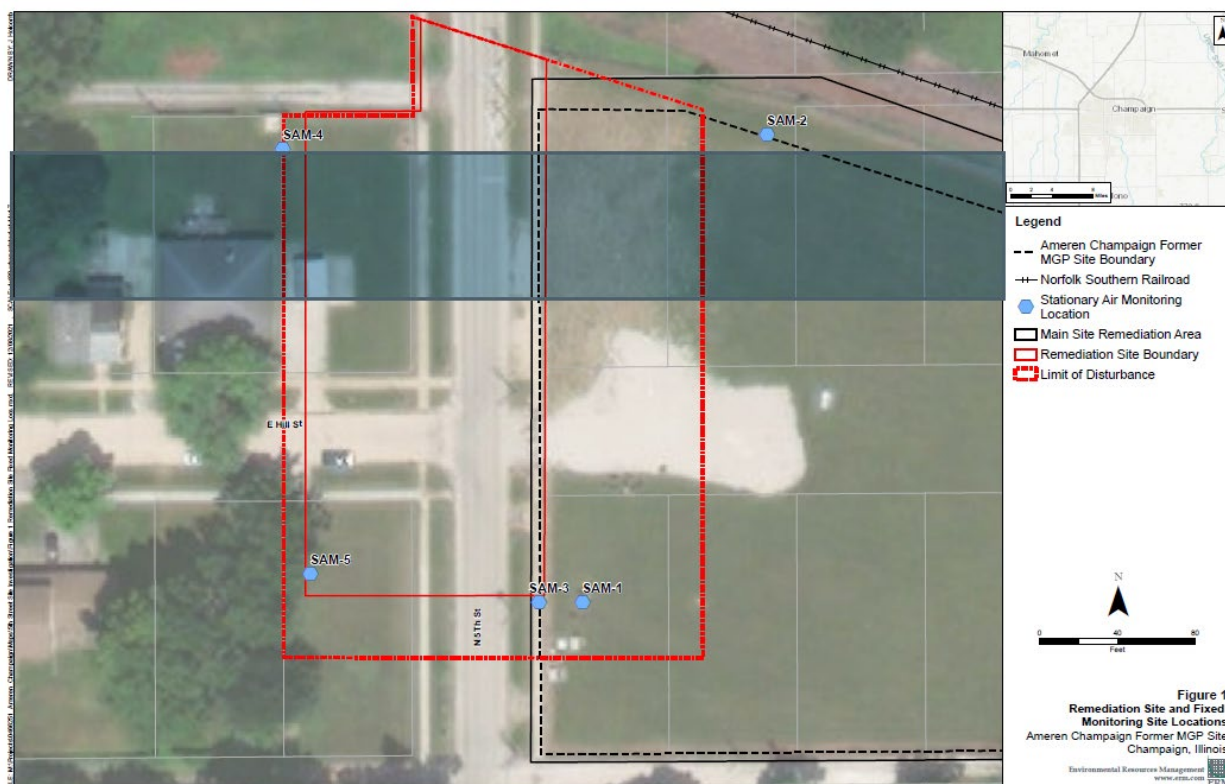
Project No.: 0529307

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## 1. INTRODUCTION

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

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



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

## 2. SUMMARY

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

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

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

| CONSTITUENTS OF CONCERN  | NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES | MAXIMUM MEASURED CONCENTRATION | ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL |
|--|---|--------------------------------|---|
| Inhalable Particulate Matter<br>(15-min average, $\mu\text{g}/\text{m}^3$ )            | 0   | 37                             | 360                                       |
| VOC<br>(1-minute average, $\mu\text{g}/\text{m}^3$ )                                   | 0   | 0                              | 156.7                                     |
| Benzene, Real-time GC<br>(1-minute average $\mu\text{g}/\text{m}^3$ )                  | N/A   | N/A                            | 156.7                                     |
| Styrene, Method 325B<br>(12 day sample period, $\mu\text{g}/\text{m}^3$ )              | 0   | N/A                            | 205,000                                   |
| Benzene, Method 325B<br>(12 day sample period, $\mu\text{g}/\text{m}^3$ )              | 0   | N/A                            | 16.5                                      |
| Toluene, Method 325B<br>(12 day sample period, $\mu\text{g}/\text{m}^3$ )              | 0   | N/A                            | 23,400                                    |
| Xylenes(total), Method 325B<br>(12 day sample period, $\mu\text{g}/\text{m}^3$ )       | 0   | N/A                            | 41,000                                    |
| Ethylbenzene, Method 325B<br>(12 day sample period, $\mu\text{g}/\text{m}^3$ )         | 0   | N/A                            | 59,400                                    |
| 2-methylnaphthalene, Method TO-13A<br>(3 day sample period, $\mu\text{g}/\text{m}^3$ ) | 0   | N/A                            | 820                                       |
| Acenaphthene, Method TO-13A<br>(3 day sample period, $\mu\text{g}/\text{m}^3$ )        | 0   | N/A                            | 12,300                                    |
| Acenaphthylene, Method TO-13A<br>(3 day sample period, $\mu\text{g}/\text{m}^3$ )      | 0   | N/A                            | 615                                       |
| Anthracene, Method TO-13A<br>(3 day sample period, $\mu\text{g}/\text{m}^3$ )          | 0   | N/A                            | 615                                       |
| Benzo(a)anthracene, Method TO-13A<br>(3 day sample period, $\mu\text{g}/\text{m}^3$ )  | 0   | N/A                            | 1.54                                      |
| Benzo(a)pyrene, Method TO-13A<br>(3 day sample period, $\mu\text{g}/\text{m}^3$ )      | 0   | N/A                            | 0.154                                     |

| CONSTITUENTS OF CONCERN  | NUMBER OF ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL EXCEEDANCES | MAXIMUM MEASURED CONCENTRATION | ACTION LEVEL OR ACCEPTABLE EXPOSURE LEVEL |
|--|---|--------------------------------|---|
| Benzo(k)fluoranthene, Method TO-13A<br>(3 day sample period, µg/m <sup>3</sup> )   | 0   | N/A                            | 15.4                                      |
| Benzo(b)fluoranthene, Method TO-13A<br>(3 day sample period, µg/m <sup>3</sup> )   | 0   | N/A                            | 15.4                                      |
| Chrysene, Method TO-13A<br>(3 day sample period, µg/m <sup>3</sup> )               | 0   | N/A                            | 154                                       |
| Dibenzo(a,h)anthracene, Method TO-13A<br>(3 day sample period, µg/m <sup>3</sup> ) | 0   | N/A                            | 0.154                                     |
| Fluoranthene, Method TO-13A<br>(3 day sample period, µg/m <sup>3</sup> )           | 0   | N/A                            | 8,200                                     |
| Fluorene, Method TO-13A<br>(3 day sample period, µg/m <sup>3</sup> )               | 0   | N/A                            | 8,200                                     |
| Ideno(1,2,3-cd)pyrene, Method TO-13A<br>(3 day sample period, µg/m <sup>3</sup> )  | 0   | N/A                            | 1.54                                      |
| Napthalene, Method TO-13A<br>(3 day sample period, µg/m <sup>3</sup> )             | 0   | N/A                            | 176                                       |
| Phenanthrene, Method TO-13A<br>(3 day sample period, µg/m <sup>3</sup> )           | 0   | N/A                            | 6,150                                     |
| Pyrene, Method TO-13A<br>(3 day sample period, µg/m <sup>3</sup> )                 | 0   | N/A                            | 6,150                                     |

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

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

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

The preliminary (not fully quality-assured) data record for the reporting period is contained in Appendix A.

The upcoming reporting period will cover monitoring during continuing remediation work.

**APPENDIX A      COMPLETE PRELIMINARY DATA RECORD**

Appendix A: Complete Preliminary Data Record

| Date     | Timestamp           | SAM 1  | SAM 2  | SAM 3  | SAM 4  | SAM 5  | Met 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 [°celcius] |
| 1/5/2022 | 00:00:00 - 00:15:00 | 6  | 6  | 7  | 30   | 6  | 7.8              | 148.0                    | 0.9                    |
| 1/5/2022 | 00:15:00 - 00:30:00 | 6  | 6  | 7  | 30   | 6  | 8.5              | 143.7                    | 0.9                    |
| 1/5/2022 | 00:30:00 - 00:45:00 | 6  | 6  | 7  | 30   | 6  | 7.8              | 143.4                    | 1.0                    |
| 1/5/2022 | 00:45:00 - 01:00:00 | 6  | 6  | 7  | 30   | 6  | 7.2              | 132.8                    | 0.9                    |
| 1/5/2022 | 01:00:00 - 01:15:00 | 6  | 6  | 6  | 30   | 6  | 7.6              | 129.8                    | 1.0                    |
| 1/5/2022 | 01:15:00 - 01:30:00 | 6  | 6  | 6  | 30   | 6  | 7.9              | 131.5                    | 1.1                    |
| 1/5/2022 | 01:30:00 - 01:45:00 | 6  | 6  | 6  | 30   | 6  | 7.3              | 136.5                    | 1.1                    |
| 1/5/2022 | 01:45:00 - 02:00:00 | 6  | 6  | 6  | 30   | 6  | 6.8              | 131.8                    | 0.9                    |
| 1/5/2022 | 02:00:00 - 02:15:00 | 6  | 6  | 6  | 30   | 6  | 6.0              | 136.9                    | 0.8                    |
| 1/5/2022 | 02:15:00 - 02:30:00 | 6  | 6  | 6  | 30   | 6  | 6.1              | 128.1                    | 0.8                    |
| 1/5/2022 | 02:30:00 - 02:45:00 | 6  | 6  | 6  | 30   | 6  | 6.7              | 126.8                    | 0.9                    |
| 1/5/2022 | 02:45:00 - 03:00:00 | 6  | 6  | 6  | 29   | 6  | 6.8              | 120.8                    | 0.9                    |
| 1/5/2022 | 03:00:00 - 03:15:00 | 6  | 6  | 6  | 29   | 6  | 5.9              | 124.4                    | 0.9                    |
| 1/5/2022 | 03:15:00 - 03:30:00 | 6  | 6  | 6  | 29   | 6  | 6.0              | 118.7                    | 0.8                    |
| 1/5/2022 | 03:30:00 - 03:45:00 | 6  | 6  | 6  | 29   | 6  | 5.3              | 105.5                    | 0.8                    |
| 1/5/2022 | 03:45:00 - 04:00:00 | 6  | 6  | 6  | 29   | 6  | 8.1              | 91.5                     | 0.8                    |
| 1/5/2022 | 04:00:00 - 04:15:00 | 6  | 6  | 6  | 29   | 6  | 10.5             | 79.3                     | 0.6                    |
| 1/5/2022 | 04:15:00 - 04:30:00 | 6  | 6  | 6  | 29   | 6  | 11.1             | 78.1                     | -0.6                   |
| 1/5/2022 | 04:30:00 - 04:45:00 | 6  | 6  | 6  | 29   | 6  | 9.3              | 79.2                     | -1.0                   |
| 1/5/2022 | 04:45:00 - 05:00:00 | 6  | 6  | 6  | 29   | 6  | 11.5             | 78.2                     | -1.7                   |
| 1/5/2022 | 05:00:00 - 05:15:00 | 6  | 6  | 7  | 30   | 6  | 11.0             | 82.8                     | -2.2                   |
| 1/5/2022 | 05:15:00 - 05:30:00 | 6  | 6  | 7  | 30   | 6  | 10.6             | 79.9                     | -2.9                   |
| 1/5/2022 | 05:30:00 - 05:45:00 | 6  | 6  | 7  | 30   | 6  | 8.4              | 84.1                     | -3.1                   |
| 1/5/2022 | 05:45:00 - 06:00:00 | 6  | 6  | 7  | 30   | 6  | 12.1             | 85.3                     | -3.5                   |
| 1/5/2022 | 06:00:00 - 06:15:00 | 6  | 6  | 7  | 30   | 7  | 9.6              | 86.9                     | -3.8                   |
| 1/5/2022 | 06:15:00 - 06:30:00 | 6  | 6  | 7  | 30   | 7  | 8.2              | 84.3                     | -3.9                   |
| 1/5/2022 | 06:30:00 - 06:45:00 | 6  | 7  | 7  | 30   | 7  | 9.7              | 84.7                     | -3.9                   |
| 1/5/2022 | 06:45:00 - 07:00:00 | 6  | 7  | 7  | 31   | 7  | 8.3              | 83.2                     | -4.6                   |
| 1/5/2022 | 07:00:00 - 07:15:00 | 6  | 7  | 7  | 31   | 7  | 8.7              | 90.3                     | -4.6                   |
| 1/5/2022 | 07:15:00 - 07:30:00 | 6  | 7  | 7  | 31   | 7  | 10.6             | 96.3                     | -4.9                   |
| 1/5/2022 | 07:30:00 - 07:45:00 | 6  | 7  | 8  | 31   | 7  | 7.9              | 87.4                     | -5.3                   |
| 1/5/2022 | 07:45:00 - 08:00:00 | 6  | 7  | 8  | 31   | 7  | 8.8              | 87.9                     | -5.4                   |
| 1/5/2022 | 08:00:00 - 08:15:00 | 6  | 7  | 8  | 32   | 7  | 10.6             | 86.9                     | -5.6                   |
| 1/5/2022 | 08:15:00 - 08:30:00 | 7  | 7  | 8  | 32   | 8  | 10.2             | 83.2                     | -5.8                   |
| 1/5/2022 | 08:30:00 - 08:45:00 | 7  | 7  | 8  | 32   | 8  | 8.1              | 84.5                     | -5.8                   |
| 1/5/2022 | 08:45:00 - 09:00:00 | 7  | 7  | 8  | 32   | 8  | 8.7              | 91.4                     | -5.7                   |
| 1/5/2022 | 09:00:00 - 09:15:00 | 7  | 8  | 8  | 32   | 8  | 8.1              | 84.1                     | -5.8                   |
| 1/5/2022 | 09:15:00 - 09:30:00 | 7  | 8  | 8  | 32   | 8  | 9.7              | 91.8                     | -6.5                   |
| 1/5/2022 | 09:30:00 - 09:45:00 | 7  | 8  | 8  | 33   | 8  | 9.1              | 95.0                     | -6.8                   |
| 1/5/2022 | 09:45:00 - 10:00:00 | 7  | 8  | 8  | 33   | 8  | 9.0              | 102.7                    | -6.2                   |
| 1/5/2022 | 10:00:00 - 10:15:00 | 7  | 8  | 8  | 33   | 8  | 9.4              | 95.0                     | -6.8                   |
| 1/5/2022 | 10:15:00 - 10:30:00 | 7  | 8  | 8  | 33   | 8  | 10.2             | 90.2                     | -6.5                   |
| 1/5/2022 | 10:30:00 - 10:45:00 | 9  | 8  | 10   | 33   | 8  | 10.7             | 96.7                     | -6.6                   |
| 1/5/2022 | 10:45:00 - 11:00:00 | 11   | 8  | 11   | 37   | 8  | 12.0             | 97.4                     | -6.2                   |
| 1/5/2022 | 11:00:00 - 11:15:00 | 10   | 9  | 11   | 36   | 8  | 8.8              | 97.6                     | -6.1                   |
| 1/5/2022 | 11:15:00 - 11:30:00 | 10   | 9  | 10   | 33   | 9  | 10.2             | 98.3                     | -6.3                   |
| 1/5/2022 | 11:30:00 - 11:45:00 | 10   | 9  | 10   | Offline  | 9  | 10.2             | 93.4                     | -6.5                   |
| 1/5/2022 | 11:45:00 - 12:00:00 | 10   | 9  | 10   | Offline  | 9  | 8.6              | 96.2                     | -6.2                   |
| 1/5/2022 | 12:00:00 - 12:15:00 | 10   | 9  | 10   | Offline  | 9  | 8.5              | 89.6                     | -6.2                   |
| 1/5/2022 | 12:15:00 - 12:30:00 | 9  | 9  | 10   | Offline  | 9  | 10.3             | 92.9                     | -6.4                   |
| 1/5/2022 | 12:30:00 - 12:45:00 | 10   | 9  | 10   | 30   | 9  | 10.4             | 95.3                     | -6.2                   |
| 1/5/2022 | 12:45:00 - 13:00:00 | 9  | 9  | 10   | 29   | 9  | 11.2             | 83.5                     | -6.4                   |
| 1/5/2022 | 13:00:00 - 13:15:00 | 9  | 9  | 10   | 28   | 9  | 8.8              | 76.5                     | -7.2                   |
| 1/5/2022 | 13:15:00 - 13:30:00 | 9  | 8  | 9  | 28   | 8  | 9.2              | 74.5                     | -7.8                   |
| 1/5/2022 | 13:30:00 - 13:45:00 | 9  | 8  | 9  | 27   | 8  | 9.6              | 80.7                     | -8.2                   |

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

## Appendix A: Complete Preliminary Data Record

| Date     | Timestamp           | SAM 1  | SAM 2  | SAM 3  | SAM 4  | SAM 5  | Met 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 [ $^{\circ}\text{C}$ ] |
| 1/5/2022 | 13:45:00 - 14:00:00 | 9  | 8  | 9  | 27   | 8  | 9.7              | 89.8                     | -8.0                               |
| 1/5/2022 | 14:00:00 - 14:15:00 | 9  | 8  | 9  | 26   | 8  | 10.4             | 94.0                     | -7.8                               |
| 1/5/2022 | 14:15:00 - 14:30:00 | 9  | 8  | 9  | 26   | 8  | 9.8              | 97.1                     | -7.9                               |
| 1/5/2022 | 14:30:00 - 14:45:00 | 8  | 8  | 9  | 26   | 8  | 9.5              | 90.6                     | -7.7                               |
| 1/5/2022 | 14:45:00 - 15:00:00 | 8  | 8  | 9  | 25   | 7  | 9.2              | 82.0                     | -7.9                               |
| 1/5/2022 | 15:00:00 - 15:15:00 | 8  | 8  | 9  | 25   | 7  | 8.7              | 81.8                     | -7.9                               |
| 1/5/2022 | 15:15:00 - 15:30:00 | 8  | 8  | 9  | 24   | 7  | 9.3              | 80.4                     | -8.0                               |
| 1/5/2022 | 15:30:00 - 15:45:00 | 8  | 8  | 9  | 24   | 7  | 9.0              | 86.2                     | -8.3                               |
| 1/5/2022 | 15:45:00 - 16:00:00 | 8  | 8  | 8  | 24   | 7  | 8.0              | 84.2                     | -8.5                               |
| 1/5/2022 | 16:00:00 - 16:15:00 | 8  | 8  | 8  | 24   | 7  | 9.0              | 84.2                     | -9.0                               |
| 1/5/2022 | 16:15:00 - 16:30:00 | 8  | 8  | 8  | 24   | 7  | 8.3              | 83.0                     | -9.4                               |
| 1/5/2022 | 16:30:00 - 16:45:00 | 8  | 8  | 8  | 24   | 7  | 8.3              | 86.6                     | -9.6                               |
| 1/5/2022 | 16:45:00 - 17:00:00 | 8  | 8  | 8  | 24   | 7  | 8.1              | 87.2                     | -9.8                               |
| 1/5/2022 | 17:00:00 - 17:15:00 | 7  | 8  | 8  | 24   | 7  | 7.6              | 84.4                     | -10.0                              |
| 1/5/2022 | 17:15:00 - 17:30:00 | 7  | 8  | 8  | 24   | 7  | 7.6              | 83.8                     | -10.2                              |
| 1/5/2022 | 17:30:00 - 17:45:00 | 7  | 8  | 8  | 23   | 7  | 7.2              | 82.3                     | -10.4                              |
| 1/5/2022 | 17:45:00 - 18:00:00 | 7  | 8  | 8  | 23   | 7  | 8.2              | 78.3                     | -10.6                              |
| 1/5/2022 | 18:00:00 - 18:15:00 | 7  | 8  | 8  | 23   | 6  | 8.0              | 79.7                     | -10.8                              |
| 1/5/2022 | 18:15:00 - 18:30:00 | 7  | 8  | 8  | 23   | 6  | 6.4              | 83.5                     | -10.9                              |
| 1/5/2022 | 18:30:00 - 18:45:00 | 7  | 8  | 8  | 23   | 6  | 5.7              | 91.6                     | -11.0                              |
| 1/5/2022 | 18:45:00 - 19:00:00 | 7  | 8  | 8  | 23   | 6  | 5.3              | 83.5                     | -11.1                              |
| 1/5/2022 | 19:00:00 - 19:15:00 | 7  | 8  | 7  | 23   | 6  | 6.5              | 83.7                     | -11.1                              |
| 1/5/2022 | 19:15:00 - 19:30:00 | 7  | 8  | 7  | 23   | 6  | 6.9              | 91.5                     | -11.1                              |
| 1/5/2022 | 19:30:00 - 19:45:00 | 7  | 8  | 7  | 22   | 6  | 6.7              | 88.9                     | -11.2                              |
| 1/5/2022 | 19:45:00 - 20:00:00 | 6  | 8  | 7  | 22   | 6  | 7.0              | 88.6                     | -11.2                              |
| 1/5/2022 | 20:00:00 - 20:15:00 | 6  | 8  | 7  | 22   | 6  | 7.2              | 95.8                     | -11.1                              |
| 1/5/2022 | 20:15:00 - 20:30:00 | 6  | 8  | 7  | 22   | 6  | 7.9              | 95.6                     | -11.0                              |
| 1/5/2022 | 20:30:00 - 20:45:00 | 6  | 8  | 7  | 22   | 6  | 7.6              | 92.1                     | -10.9                              |
| 1/5/2022 | 20:45:00 - 21:00:00 | 6  | 8  | 7  | 22   | 6  | 7.0              | 90.5                     | -10.8                              |
| 1/5/2022 | 21:00:00 - 21:15:00 | 6  | 8  | 7  | 22   | 6  | 7.1              | 87.6                     | -10.7                              |
| 1/5/2022 | 21:15:00 - 21:30:00 | 6  | 8  | 7  | 21   | 6  | 7.7              | 88.9                     | -10.7                              |
| 1/5/2022 | 21:30:00 - 21:45:00 | 6  | 8  | 7  | 21   | 6  | 6.3              | 84.0                     | -10.6                              |
| 1/5/2022 | 21:45:00 - 22:00:00 | 6  | 8  | 7  | 21   | 6  | 7.1              | 86.4                     | -10.6                              |
| 1/5/2022 | 22:00:00 - 22:15:00 | 6  | 8  | 7  | 21   | 6  | 6.9              | 81.6                     | -10.5                              |
| 1/5/2022 | 22:15:00 - 22:30:00 | 6  | 8  | 7  | 21   | 6  | 5.9              | 83.6                     | -10.5                              |
| 1/5/2022 | 22:30:00 - 22:45:00 | 6  | 8  | 7  | 21   | 6  | 6.5              | 82.2                     | -10.4                              |
| 1/5/2022 | 22:45:00 - 23:00:00 | 6  | 8  | 7  | 20   | 6  | 6.5              | 89.0                     | -10.5                              |
| 1/5/2022 | 23:00:00 - 23:15:00 | 6  | 8  | 7  | 20   | 5  | 6.6              | 86.3                     | -10.5                              |
| 1/5/2022 | 23:15:00 - 23:30:00 | 6  | 8  | 6  | 20   | 5  | 6.7              | 91.6                     | -10.4                              |
| 1/5/2022 | 23:30:00 - 23:45:00 | 6  | 8  | 6  | 20   | 5  | 6.4              | 82.3                     | -10.5                              |
| 1/5/2022 | 23:45:00 - 00:00:00 | 6  | 8  | 6  | 20   | 5  | 6.1              | 80.8                     | -10.5                              |
| 1/6/2022 | 00:00:00 - 00:15:00 | 5  | 8  | 6  | 20   | 5  | 6.6              | 87.5                     | -10.6                              |
| 1/6/2022 | 00:15:00 - 00:30:00 | 5  | 8  | 6  | 20   | 5  | 5.6              | 85.8                     | -10.7                              |
| 1/6/2022 | 00:30:00 - 00:45:00 | 5  | 8  | 6  | 19   | 5  | 5.7              | 86.5                     | -10.7                              |
| 1/6/2022 | 00:45:00 - 01:00:00 | 5  | 8  | 6  | 19   | 5  | 5.6              | 83.0                     | -10.7                              |
| 1/6/2022 | 01:00:00 - 01:15:00 | 5  | 8  | 6  | 19   | 5  | 4.4              | 87.7                     | -10.7                              |
| 1/6/2022 | 01:15:00 - 01:30:00 | 5  | 8  | 6  | 19   | 5  | 5.0              | 86.0                     | -10.8                              |
| 1/6/2022 | 01:30:00 - 01:45:00 | 5  | 8  | 6  | 19   | 5  | 5.8              | 86.3                     | -10.8                              |
| 1/6/2022 | 01:45:00 - 02:00:00 | 5  | 8  | 6  | 19   | 5  | 5.6              | 85.3                     | -10.7                              |
| 1/6/2022 | 02:00:00 - 02:15:00 | 5  | 8  | 6  | 19   | 5  | 5.1              | 84.0                     | -10.7                              |
| 1/6/2022 | 02:15:00 - 02:30:00 | 5  | 8  | 6  | 19   | 5  | 6.8              | 83.3                     | -10.8                              |
| 1/6/2022 | 02:30:00 - 02:45:00 | 5  | 8  | 6  | 19   | 5  | 5.3              | 82.9                     | -10.8                              |
| 1/6/2022 | 02:45:00 - 03:00:00 | 5  | 8  | 6  | 19   | 5  | 5.1              | 72.2                     | -10.9                              |
| 1/6/2022 | 03:00:00 - 03:15:00 | 5  | 8  | 6  | 19   | 5  | 5.2              | 78.7                     | -10.9                              |
| 1/6/2022 | 03:15:00 - 03:30:00 | 5  | 8  | 6  | 18   | 5  | 4.5              | 85.6                     | -11.0                              |

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

Appendix A: Complete Preliminary Data Record

| Date     | Timestamp           | SAM 1                                      | SAM 2                                      | SAM 3                                      | SAM 4                                      | SAM 5                                      | Met Station      |                          |                        |
|----------|---------------------|--|--|--|--|--|------------------|--------------------------|------------------------|
|          |                     | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Wind Speed [mps] | Wind Direction [degrees] | Temperature [°celsius] |
| 1/6/2022 | 03:30:00 - 03:45:00 | 5  | 8  | 6  | 18   | 5  | 5.1              | 80.2                     | -11.0                  |
| 1/6/2022 | 03:45:00 - 04:00:00 | 5  | 8  | 6  | 18   | 5  | 4.7              | 85.6                     | -11.0                  |
| 1/6/2022 | 04:00:00 - 04:15:00 | 5  | 8  | 6  | 18   | 5  | 5.0              | 85.2                     | -10.9                  |
| 1/6/2022 | 04:15:00 - 04:30:00 | 5  | 8  | 6  | 18   | 5  | 5.4              | 74.3                     | -11.0                  |
| 1/6/2022 | 04:30:00 - 04:45:00 | 5  | 8  | 6  | 18   | 5  | 4.4              | 71.4                     | -11.0                  |
| 1/6/2022 | 04:45:00 - 05:00:00 | 5  | 8  | 6  | 18   | 5  | 4.8              | 82.2                     | -11.1                  |
| 1/6/2022 | 05:00:00 - 05:15:00 | 5  | 8  | 6  | 18   | 5  | 5.3              | 84.3                     | -11.2                  |
| 1/6/2022 | 05:15:00 - 05:30:00 | 5  | 8  | 6  | 18   | 5  | 4.9              | 76.1                     | -11.5                  |
| 1/6/2022 | 05:30:00 - 05:45:00 | 5  | 8  | 6  | 18   | 5  | 5.1              | 70.3                     | -11.6                  |
| 1/6/2022 | 05:45:00 - 06:00:00 | 5  | 8  | 6  | 18   | 5  | 4.8              | 88.3                     | -11.7                  |
| 1/6/2022 | 06:00:00 - 06:15:00 | 5  | 8  | 6  | 18   | 5  | 5.2              | 81.0                     | -11.7                  |
| 1/6/2022 | 06:15:00 - 06:30:00 | 5  | 8  | 6  | 18   | 5  | 4.7              | 80.4                     | -11.9                  |
| 1/6/2022 | 06:30:00 - 06:45:00 | 5  | 8  | 6  | 18   | 5  | 4.9              | 84.1                     | -11.9                  |
| 1/6/2022 | 06:45:00 - 07:00:00 | 5  | 8  | 6  | 17   | 5  | 4.5              | 80.2                     | -12.0                  |
| 1/6/2022 | 07:00:00 - 07:15:00 | 5  | 8  | 6  | 17   | 5  | 5.4              | 92.1                     | -12.1                  |
| 1/6/2022 | 07:15:00 - 07:30:00 | 5  | 8  | 6  | 17   | 5  | 4.7              | 92.0                     | -12.2                  |
| 1/6/2022 | 07:30:00 - 07:45:00 | 5  | 8  | 6  | 17   | 5  | 4.4              | 87.6                     | -12.2                  |
| 1/6/2022 | 07:45:00 - 08:00:00 | 5  | 8  | 6  | 17   | 5  | 4.7              | 85.4                     | -12.4                  |
| 1/6/2022 | 08:00:00 - 08:15:00 | 5  | 8  | 6  | 17   | 5  | 4.9              | 83.1                     | -12.4                  |
| 1/6/2022 | 08:15:00 - 08:30:00 | 5  | 8  | 6  | 17   | 5  | 5.8              | 83.1                     | -12.4                  |
| 1/6/2022 | 08:30:00 - 08:45:00 | 5  | 8  | 6  | 17   | 5  | 4.7              | 94.9                     | -12.4                  |
| 1/6/2022 | 08:45:00 - 09:00:00 | 5  | 8  | 6  | 17   | 4  | 4.7              | 94.2                     | -12.5                  |
| 1/6/2022 | 09:00:00 - 09:15:00 | 5  | 8  | 6  | 17   | 4  | 4.4              | 66.4                     | -12.4                  |
| 1/6/2022 | 09:15:00 - 09:30:00 | 5  | 8  | 6  | 17   | 4  | 4.2              | 48.2                     | -12.5                  |
| 1/6/2022 | 09:30:00 - 09:45:00 | 5  | 8  | 6  | 17   | 4  | 4.9              | 65.1                     | -12.5                  |
| 1/6/2022 | 09:45:00 - 10:00:00 | 5  | 8  | 6  | 17   | 4  | 5.1              | 86.2                     | -12.6                  |
| 1/6/2022 | 10:00:00 - 10:15:00 | 5  | 8  | 6  | 17   | 4  | 5.2              | 82.2                     | -12.5                  |
| 1/6/2022 | 10:15:00 - 10:30:00 | 5  | 8  | 6  | 17   | 4  | 4.3              | 75.8                     | -12.3                  |
| 1/6/2022 | 10:30:00 - 10:45:00 | 5  | 8  | 6  | 17   | 4  | 5.7              | 85.7                     | -12.3                  |
| 1/6/2022 | 10:45:00 - 11:00:00 | 5  | 8  | 6  | 17   | 4  | 4.7              | 80.3                     | -12.1                  |
| 1/6/2022 | 11:00:00 - 11:15:00 | 5  | 8  | 6  | 17   | 4  | 5.6              | 79.8                     | -12.1                  |
| 1/6/2022 | 11:15:00 - 11:30:00 | 5  | 8  | 6  | 17   | 4  | 5.3              | 81.3                     | -12.1                  |
| 1/6/2022 | 11:30:00 - 11:45:00 | 5  | 8  | 6  | 17   | 4  | 5.9              | 70.9                     | -11.9                  |
| 1/6/2022 | 11:45:00 - 12:00:00 | 5  | 8  | 6  | 17   | 4  | 5.9              | 81.7                     | -11.5                  |
| 1/6/2022 | 12:00:00 - 12:15:00 | 5  | 8  | 6  | 17   | 4  | 6.1              | 75.0                     | -11.3                  |
| 1/6/2022 | 12:15:00 - 12:30:00 | 5  | 8  | 6  | 17   | 4  | 6.5              | 88.5                     | -11.2                  |
| 1/6/2022 | 12:30:00 - 12:45:00 | 5  | 5  | 6  | 17   | 4  | 6.2              | 91.0                     | -10.8                  |
| 1/6/2022 | 12:45:00 - 13:00:00 | 5  | 5  | 6  | 17   | 4  | 5.7              | 77.7                     | -10.6                  |
| 1/6/2022 | 13:00:00 - 13:15:00 | 5  | 5  | 6  | 17   | 4  | 5.9              | 78.4                     | -10.6                  |
| 1/6/2022 | 13:15:00 - 13:30:00 | 5  | 5  | 6  | 17   | 4  | 6.2              | 74.2                     | -10.4                  |
| 1/6/2022 | 13:30:00 - 13:45:00 | 5  | 5  | 5  | 17   | 4  | 6.4              | 85.3                     | -10.3                  |
| 1/6/2022 | 13:45:00 - 14:00:00 | 4  | 5  | 5  | 25   | 5  | 6.8              | 82.4                     | -10.3                  |
| 1/6/2022 | 14:00:00 - 14:15:00 | 4  | 5  | 5  | 18   | 4  | 5.9              | 84.8                     | -10.1                  |
| 1/6/2022 | 14:15:00 - 14:30:00 | 4  | 5  | 5  | 17   | 4  | 6.8              | 73.0                     | -10.0                  |
| 1/6/2022 | 14:30:00 - 14:45:00 | 4  | 5  | 5  | 17   | 4  | 5.7              | 70.8                     | -10.0                  |
| 1/6/2022 | 14:45:00 - 15:00:00 | 3  | 5  | 5  | 16   | 4  | 5.5              | 69.8                     | -10.0                  |
| 1/6/2022 | 15:00:00 - 15:15:00 | 3  | 5  | 5  | 16   | 4  | 5.6              | 84.5                     | -10.0                  |
| 1/6/2022 | 15:15:00 - 15:30:00 | 3  | 5  | 5  | 17   | 4  | 5.2              | 68.6                     | -10.3                  |
| 1/6/2022 | 15:30:00 - 15:45:00 | 4  | 5  | 5  | 17   | 4  | 6.2              | 77.5                     | -10.6                  |
| 1/6/2022 | 15:45:00 - 16:00:00 | 4  | 5  | 5  | 17   | 4  | 6.7              | 88.9                     | -10.8                  |
| 1/6/2022 | 16:00:00 - 16:15:00 | 4  | 5  | 5  | 17   | 4  | 6.5              | 82.2                     | -11.2                  |
| 1/6/2022 | 16:15:00 - 16:30:00 | 4  | 5  | 5  | 18   | 5  | 5.3              | 82.4                     | -11.5                  |
| 1/6/2022 | 16:30:00 - 16:45:00 | 4  | 5  | 5  | 18   | 5  | 6.4              | 82.7                     | -11.9                  |
| 1/6/2022 | 16:45:00 - 17:00:00 | 4  | 5  | 5  | 18   | 5  | 7.1              | 80.0                     | -12.3                  |
| 1/6/2022 | 17:00:00 - 17:15:00 | 4  | 5  | 5  | 18   | 5  | 5.9              | 74.7                     | -12.6                  |

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



Appendix A: Complete Preliminary Data Record

| Date     | Timestamp           | SAM 1                                      | SAM 2                                      | SAM 3                                      | SAM 4                                      | SAM 5                                      | Met Station      |                          |                        |
|----------|---------------------|--|--|--|--|--|------------------|--------------------------|------------------------|
|          |                     | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Wind Speed [mps] | Wind Direction [degrees] | Temperature [°celcius] |
| 1/6/2022 | 17:15:00 - 17:30:00 | 4  | 5  | 5  | 18   | 5  | 7.3              | 78.6                     | -12.9                  |
| 1/6/2022 | 17:30:00 - 17:45:00 | 4  | 5  | 5  | 18   | 5  | 6.8              | 71.0                     | -13.3                  |
| 1/6/2022 | 17:45:00 - 18:00:00 | 4  | 5  | 5  | 18   | 5  | 7.3              | 71.1                     | -13.6                  |
| 1/6/2022 | 18:00:00 - 18:15:00 | 4  | 5  | 5  | 19   | 5  | 7.1              | 74.5                     | -13.9                  |
| 1/6/2022 | 18:15:00 - 18:30:00 | 4  | 5  | 5  | 19   | 5  | 6.6              | 73.6                     | -14.0                  |
| 1/6/2022 | 18:30:00 - 18:45:00 | 4  | 5  | 5  | 19   | 5  | 6.6              | 74.4                     | -14.1                  |
| 1/6/2022 | 18:45:00 - 19:00:00 | 4  | 5  | 5  | 19   | 5  | 8.0              | 76.7                     | -14.3                  |
| 1/6/2022 | 19:00:00 - 19:15:00 | 4  | 5  | 5  | 19   | 5  | 6.5              | 79.8                     | -14.4                  |
| 1/6/2022 | 19:15:00 - 19:30:00 | 4  | 5  | 5  | 19   | 5  | 6.5              | 70.9                     | -14.6                  |
| 1/6/2022 | 19:30:00 - 19:45:00 | 4  | 5  | 5  | 19   | 5  | 7.5              | 68.5                     | -14.7                  |
| 1/6/2022 | 19:45:00 - 20:00:00 | 4  | 5  | 5  | 19   | 5  | 6.7              | 75.0                     | -14.9                  |
| 1/6/2022 | 20:00:00 - 20:15:00 | 4  | 5  | 5  | 19   | 5  | 7.1              | 72.8                     | -15.1                  |
| 1/6/2022 | 20:15:00 - 20:30:00 | 4  | 5  | 5  | 19   | 5  | 6.6              | 75.5                     | -15.3                  |
| 1/6/2022 | 20:30:00 - 20:45:00 | 4  | 5  | 5  | 19   | 5  | 7.3              | 68.2                     | -15.5                  |
| 1/6/2022 | 20:45:00 - 21:00:00 | 4  | 5  | 5  | 19   | 5  | 7.1              | 79.6                     | -15.7                  |
| 1/6/2022 | 21:00:00 - 21:15:00 | 4  | 5  | 5  | 19   | 5  | 6.4              | 70.3                     | -15.9                  |
| 1/6/2022 | 21:15:00 - 21:30:00 | 4  | 5  | 5  | 19   | 5  | 6.6              | 86.3                     | -16.0                  |
| 1/6/2022 | 21:30:00 - 21:45:00 | 4  | 5  | 5  | 19   | 5  | 6.5              | 79.7                     | -16.2                  |
| 1/6/2022 | 21:45:00 - 22:00:00 | 4  | 5  | 5  | 19   | 5  | 6.5              | 79.1                     | -16.3                  |
| 1/6/2022 | 22:00:00 - 22:15:00 | 4  | 5  | 5  | 19   | 5  | 7.5              | 77.3                     | -16.5                  |
| 1/6/2022 | 22:15:00 - 22:30:00 | 4  | 5  | 5  | 19   | 5  | 6.4              | 72.9                     | -16.6                  |
| 1/6/2022 | 22:30:00 - 22:45:00 | 4  | 5  | 5  | 19   | 5  | 7.7              | 72.8                     | -16.7                  |
| 1/6/2022 | 22:45:00 - 23:00:00 | 4  | 5  | 5  | 19   | 5  | 6.2              | 82.0                     | -16.8                  |
| 1/6/2022 | 23:00:00 - 23:15:00 | 4  | 5  | 5  | 19   | 5  | 5.4              | 75.1                     | -16.9                  |
| 1/6/2022 | 23:15:00 - 23:30:00 | 4  | 5  | 5  | 20   | 5  | 6.0              | 75.4                     | -17.0                  |
| 1/6/2022 | 23:30:00 - 23:45:00 | 4  | 5  | 5  | 20   | 5  | 6.0              | 69.8                     | -17.0                  |
| 1/6/2022 | 23:45:00 - 00:00:00 | 4  | 5  | 5  | 20   | 5  | 5.6              | 75.9                     | -17.1                  |
| 1/7/2022 | 00:00:00 - 00:15:00 | 4  | 5  | 5  | 20   | 5  | 5.8              | 72.1                     | -17.2                  |
| 1/7/2022 | 00:15:00 - 00:30:00 | 4  | 5  | 5  | 20   | 5  | 6.0              | 77.5                     | -17.3                  |
| 1/7/2022 | 00:30:00 - 00:45:00 | 4  | 6  | 5  | 20   | 5  | 6.7              | 81.7                     | -17.4                  |
| 1/7/2022 | 00:45:00 - 01:00:00 | 4  | 6  | 5  | 20   | 5  | 6.5              | 80.1                     | -17.4                  |
| 1/7/2022 | 01:00:00 - 01:15:00 | 4  | 6  | 5  | 20   | 5  | 6.1              | 79.2                     | -17.5                  |
| 1/7/2022 | 01:15:00 - 01:30:00 | 4  | 6  | 5  | 20   | 5  | 6.4              | 82.9                     | -17.6                  |
| 1/7/2022 | 01:30:00 - 01:45:00 | 4  | 6  | 5  | 20   | 5  | 6.3              | 76.9                     | -17.6                  |
| 1/7/2022 | 01:45:00 - 02:00:00 | 4  | 6  | 5  | 20   | 5  | 6.4              | 88.4                     | -17.6                  |
| 1/7/2022 | 02:00:00 - 02:15:00 | 4  | 6  | 5  | 20   | 5  | 7.0              | 82.7                     | -17.7                  |
| 1/7/2022 | 02:15:00 - 02:30:00 | 4  | 6  | 5  | 20   | 5  | 5.4              | 76.1                     | -17.7                  |
| 1/7/2022 | 02:30:00 - 02:45:00 | 4  | 6  | 5  | 20   | 5  | 6.1              | 79.8                     | -17.7                  |
| 1/7/2022 | 02:45:00 - 03:00:00 | 4  | 6  | 5  | 20   | 5  | 6.1              | 69.0                     | -17.7                  |
| 1/7/2022 | 03:00:00 - 03:15:00 | 4  | 6  | 5  | 20   | 5  | 6.0              | 68.4                     | -17.8                  |
| 1/7/2022 | 03:15:00 - 03:30:00 | 4  | 6  | 5  | 20   | 5  | 6.4              | 71.8                     | -17.8                  |
| 1/7/2022 | 03:30:00 - 03:45:00 | 4  | 6  | 5  | 20   | 5  | 5.2              | 76.9                     | -17.9                  |
| 1/7/2022 | 03:45:00 - 04:00:00 | 4  | 6  | 5  | 20   | 5  | 4.5              | 81.3                     | -17.9                  |
| 1/7/2022 | 04:00:00 - 04:15:00 | 4  | 6  | 5  | 20   | 5  | 4.3              | 82.1                     | -17.9                  |
| 1/7/2022 | 04:15:00 - 04:30:00 | 4  | 6  | 5  | 20   | 5  | 5.9              | 83.7                     | -18.0                  |
| 1/7/2022 | 04:30:00 - 04:45:00 | 5  | 6  | 5  | 20   | 5  | 4.5              | 75.6                     | -17.9                  |
| 1/7/2022 | 04:45:00 - 05:00:00 | 5  | 6  | 5  | 21   | 5  | 5.0              | 87.1                     | -18.0                  |
| 1/7/2022 | 05:00:00 - 05:15:00 | 5  | 6  | 5  | 21   | 5  | 4.1              | 85.7                     | -18.0                  |
| 1/7/2022 | 05:15:00 - 05:30:00 | 5  | 6  | 5  | 21   | 5  | 4.3              | 74.9                     | -18.0                  |
| 1/7/2022 | 05:30:00 - 05:45:00 | 5  | 6  | 5  | 21   | 5  | 3.7              | 83.0                     | -18.1                  |
| 1/7/2022 | 05:45:00 - 06:00:00 | 5  | 6  | 5  | 21   | 5  | 4.1              | 74.8                     | -18.1                  |
| 1/7/2022 | 06:00:00 - 06:15:00 | 5  | 6  | 5  | 21   | 5  | 3.7              | 84.3                     | -18.0                  |
| 1/7/2022 | 06:15:00 - 06:30:00 | 5  | 6  | 5  | 21   | 5  | 4.2              | 84.3                     | -17.9                  |
| 1/7/2022 | 06:30:00 - 06:45:00 | 5  | 6  | 5  | 21   | 5  | 4.6              | 83.5                     | -17.9                  |
| 1/7/2022 | 06:45:00 - 07:00:00 | 5  | 6  | 5  | 21   | 5  | 3.8              | 73.4                     | -18.0                  |

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

## Appendix A: Complete Preliminary Data Record

| Date     | Timestamp           | SAM 1  | SAM 2  | SAM 3  | SAM 4  | SAM 5  | Met 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 [ $^{\circ}\text{C}$ ] |
| 1/7/2022 | 07:00:00 - 07:15:00 | 5  | 6  | 5  | 21   | 5  | 3.4              | 85.7                     | -18.0                              |
| 1/7/2022 | 07:15:00 - 07:30:00 | 5  | 6  | 5  | 21   | 5  | 3.5              | 78.2                     | -18.0                              |
| 1/7/2022 | 07:30:00 - 07:45:00 | 5  | 6  | 5  | 21   | 5  | 3.6              | 79.3                     | -18.0                              |
| 1/7/2022 | 07:45:00 - 08:00:00 | 5  | 6  | 5  | 21   | 5  | 4.0              | 90.7                     | -17.8                              |
| 1/7/2022 | 08:00:00 - 08:15:00 | 5  | 6  | 5  | 21   | 5  | 4.2              | 99.0                     | -17.6                              |
| 1/7/2022 | 08:15:00 - 08:30:00 | 5  | 6  | 5  | 21   | 5  | 3.9              | 111.0                    | -17.0                              |
| 1/7/2022 | 08:30:00 - 08:45:00 | 5  | 6  | 5  | 22   | 5  | 4.0              | 105.6                    | -16.8                              |
| 1/7/2022 | 08:45:00 - 09:00:00 | 5  | 6  | 5  | 22   | 5  | 4.9              | 92.2                     | -16.5                              |
| 1/7/2022 | 09:00:00 - 09:15:00 | 5  | 6  | 5  | 22   | 5  | 3.9              | 109.6                    | -15.7                              |
| 1/7/2022 | 09:15:00 - 09:30:00 | 5  | 6  | 5  | 22   | 5  | 5.0              | 115.3                    | -15.3                              |
| 1/7/2022 | 09:30:00 - 09:45:00 | 5  | 6  | 6  | 22   | 5  | 4.6              | 96.3                     | -15.1                              |
| 1/7/2022 | 09:45:00 - 10:00:00 | 6  | 6  | 7  | 22   | 6  | 5.7              | 108.6                    | -14.9                              |
| 1/7/2022 | 10:00:00 - 10:15:00 | 6  | 6  | 7  | 22   | 6  | 4.6              | 126.9                    | -14.3                              |
| 1/7/2022 | 10:15:00 - 10:30:00 | 6  | 6  | 6  | 22   | 6  | 4.1              | 125.3                    | -13.8                              |
| 1/7/2022 | 10:30:00 - 10:45:00 | 5  | 6  | 6  | 21   | 6  | 4.4              | 117.2                    | -13.5                              |
| 1/7/2022 | 10:45:00 - 11:00:00 | 5  | 6  | 6  | 21   | 5  | 3.7              | 127.8                    | -13.1                              |
| 1/7/2022 | 11:00:00 - 11:15:00 | 5  | 6  | 6  | 21   | 5  | 4.4              | 113.2                    | -13.0                              |
| 1/7/2022 | 11:15:00 - 11:30:00 | 5  | 6  | 6  | 21   | 5  | 4.1              | 127.5                    | -12.6                              |
| 1/7/2022 | 11:30:00 - 11:45:00 | 5  | 6  | 6  | 21   | 5  | 5.0              | 107.4                    | -12.5                              |
| 1/7/2022 | 11:45:00 - 12:00:00 | 5  | 6  | 6  | 21   | 5  | 4.0              | 130.0                    | -11.9                              |
| 1/7/2022 | 12:00:00 - 12:15:00 | 5  | 6  | 6  | 20   | 5  | 4.2              | 113.4                    | -11.7                              |
| 1/7/2022 | 12:15:00 - 12:30:00 | 5  | 6  | 6  | 20   | 5  | 4.1              | 90.9                     | -11.0                              |
| 1/7/2022 | 12:30:00 - 12:45:00 | 5  | 6  | 6  | 20   | 5  | 4.2              | 92.2                     | -10.5                              |
| 1/7/2022 | 12:45:00 - 13:00:00 | 5  | 6  | 6  | 20   | 5  | 4.1              | 94.2                     | -10.3                              |
| 1/7/2022 | 13:00:00 - 13:15:00 | 5  | 6  | 6  | 20   | 5  | 3.0              | 116.4                    | -9.4                               |
| 1/7/2022 | 13:15:00 - 13:30:00 | 5  | 6  | 6  | 19   | 5  | 3.5              | 97.9                     | -9.2                               |
| 1/7/2022 | 13:30:00 - 13:45:00 | 5  | 6  | 6  | 19   | 5  | 3.7              | 118.7                    | -8.9                               |
| 1/7/2022 | 13:45:00 - 14:00:00 | 4  | 6  | 6  | 19   | 5  | 3.5              | 103.8                    | -8.7                               |
| 1/7/2022 | 14:00:00 - 14:15:00 | 4  | 6  | 5  | 18   | 5  | 3.5              | 89.8                     | -8.8                               |
| 1/7/2022 | 14:15:00 - 14:30:00 | 4  | 6  | 5  | 15   | 5  | 2.2              | 100.7                    | -8.3                               |
| 1/7/2022 | 14:30:00 - 14:45:00 | 4  | 6  | 5  | 14   | 5  | 3.0              | 133.3                    | -8.0                               |
| 1/7/2022 | 14:45:00 - 15:00:00 | 4  | 6  | 5  | 15   | 4  | 2.0              | 137.7                    | -8.0                               |
| 1/7/2022 | 15:00:00 - 15:15:00 | 4  | 6  | 5  | 16   | 4  | 2.1              | 133.6                    | -7.8                               |
| 1/7/2022 | 15:15:00 - 15:30:00 | 4  | 6  | 5  | 15   | 4  | 3.0              | 140.5                    | -8.1                               |
| 1/7/2022 | 15:30:00 - 15:45:00 | 4  | 6  | 5  | 15   | 4  | 2.2              | 151.9                    | -8.4                               |
| 1/7/2022 | 15:45:00 - 16:00:00 | 4  | 6  | 5  | 14   | 4  | 2.4              | 151.4                    | -8.6                               |
| 1/7/2022 | 16:00:00 - 16:15:00 | 4  | 6  | 5  | 14   | 4  | 3.1              | 155.8                    | -8.6                               |
| 1/7/2022 | 16:15:00 - 16:30:00 | 4  | 6  | 5  | 14   | 4  | 2.4              | 159.5                    | -8.9                               |
| 1/7/2022 | 16:30:00 - 16:45:00 | 4  | 6  | 5  | 14   | 4  | 3.0              | 159.4                    | -9.0                               |
| 1/7/2022 | 16:45:00 - 17:00:00 | 4  | 6  | 5  | 15   | 4  | 2.9              | 155.9                    | -9.1                               |
| 1/7/2022 | 17:00:00 - 17:15:00 | 4  | 6  | 5  | 16   | 4  | 3.0              | 155.9                    | -9.2                               |
| 1/7/2022 | 17:15:00 - 17:30:00 | 4  | 6  | 5  | 17   | 4  | 2.9              | 162.2                    | -9.2                               |
| 1/7/2022 | 17:30:00 - 17:45:00 | 4  | 6  | 5  | 18   | 4  | 2.9              | 159.1                    | -9.1                               |
| 1/7/2022 | 17:45:00 - 18:00:00 | 4  | 6  | 5  | 18   | 4  | 3.3              | 150.0                    | -9.0                               |
| 1/7/2022 | 18:00:00 - 18:15:00 | 4  | 6  | 5  | 18   | 4  | 2.8              | 136.5                    | -9.2                               |
| 1/7/2022 | 18:15:00 - 18:30:00 | 4  | 6  | 5  | 18   | 4  | 3.2              | 136.9                    | -9.2                               |
| 1/7/2022 | 18:30:00 - 18:45:00 | 4  | 6  | 5  | 18   | 4  | 3.4              | 154.1                    | -9.2                               |
| 1/7/2022 | 18:45:00 - 19:00:00 | 4  | 6  | 5  | 18   | 4  | 4.3              | 151.8                    | -9.2                               |
| 1/7/2022 | 19:00:00 - 19:15:00 | 4  | 6  | 5  | 18   | 4  | 4.5              | 148.4                    | -9.2                               |
| 1/7/2022 | 19:15:00 - 19:30:00 | 4  | 6  | 5  | 18   | 4  | 4.0              | 152.8                    | -9.3                               |
| 1/7/2022 | 19:30:00 - 19:45:00 | 4  | 6  | 5  | 18   | 4  | 4.6              | 149.8                    | -9.3                               |
| 1/7/2022 | 19:45:00 - 20:00:00 | 4  | 6  | 5  | 18   | 4  | 4.7              | 151.2                    | -9.4                               |
| 1/7/2022 | 20:00:00 - 20:15:00 | 4  | 6  | 5  | 18   | 4  | 4.6              | 150.6                    | -9.4                               |
| 1/7/2022 | 20:15:00 - 20:30:00 | 4  | 6  | 5  | 18   | 4  | 4.5              | 152.2                    | -9.4                               |
| 1/7/2022 | 20:30:00 - 20:45:00 | 4  | 6  | 5  | 18   | 4  | 4.8              | 146.5                    | -9.4                               |

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

Appendix A: Complete Preliminary Data Record

| Date     | Timestamp           | SAM 1  | SAM 2  | SAM 3  | SAM 4  | SAM 5  | Met 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 [°celsius] |
| 1/7/2022 | 20:45:00 - 21:00:00 | 4  | 6  | 5  | 18   | 4  | 4.4              | 148.6                    | -9.4                   |
| 1/7/2022 | 21:00:00 - 21:15:00 | 4  | 6  | 5  | 18   | 4  | 4.8              | 152.5                    | -9.4                   |
| 1/7/2022 | 21:15:00 - 21:30:00 | 4  | 6  | 5  | 18   | 4  | 4.6              | 153.4                    | -9.6                   |
| 1/7/2022 | 21:30:00 - 21:45:00 | 4  | 6  | 5  | 18   | 4  | 5.0              | 150.5                    | -9.6                   |
| 1/7/2022 | 21:45:00 - 22:00:00 | 4  | 6  | 5  | 18   | 4  | 4.9              | 146.5                    | -9.6                   |
| 1/7/2022 | 22:00:00 - 22:15:00 | 4  | 6  | 5  | 18   | 4  | 4.6              | 150.8                    | -9.6                   |
| 1/7/2022 | 22:15:00 - 22:30:00 | 4  | 6  | 5  | 18   | 4  | 4.5              | 150.6                    | -9.6                   |
| 1/7/2022 | 22:30:00 - 22:45:00 | 4  | 6  | 5  | 18   | 4  | 4.4              | 151.1                    | -9.7                   |
| 1/7/2022 | 22:45:00 - 23:00:00 | 4  | 6  | 5  | 18   | 4  | 3.1              | 156.7                    | -9.6                   |
| 1/7/2022 | 23:00:00 - 23:15:00 | 4  | 6  | 5  | 18   | 4  | 4.0              | 155.0                    | -9.5                   |
| 1/7/2022 | 23:15:00 - 23:30:00 | 4  | 6  | 5  | 18   | 4  | 4.4              | 155.0                    | -9.5                   |
| 1/7/2022 | 23:30:00 - 23:45:00 | 4  | 6  | 5  | 18   | 4  | 3.6              | 156.7                    | -9.5                   |
| 1/7/2022 | 23:45:00 - 00:00:00 | 4  | 6  | 5  | 18   | 4  | 3.6              | 158.1                    | -9.5                   |
| 1/8/2022 | 00:00:00 - 00:15:00 | 4  | 6  | 5  | 18   | 4  | 3.3              | 160.3                    | -9.5                   |
| 1/8/2022 | 00:15:00 - 00:30:00 | 4  | 6  | 5  | 18   | 4  | 4.3              | 148.0                    | -9.6                   |
| 1/8/2022 | 00:30:00 - 00:45:00 | 4  | 6  | 5  | 18   | 4  | 5.5              | 151.4                    | -9.7                   |
| 1/8/2022 | 00:45:00 - 01:00:00 | 4  | 6  | 5  | 18   | 4  | 5.6              | 149.4                    | -9.7                   |
| 1/8/2022 | 01:00:00 - 01:15:00 | 4  | 6  | 5  | 18   | 4  | 5.2              | 149.9                    | -9.9                   |
| 1/8/2022 | 01:15:00 - 01:30:00 | 4  | 6  | 5  | 18   | 4  | 4.3              | 155.1                    | -9.9                   |
| 1/8/2022 | 01:30:00 - 01:45:00 | 4  | 6  | 5  | 18   | 4  | 4.3              | 152.1                    | -9.8                   |
| 1/8/2022 | 01:45:00 - 02:00:00 | 4  | 6  | 5  | 18   | 4  | 5.5              | 147.3                    | -9.7                   |
| 1/8/2022 | 02:00:00 - 02:15:00 | 4  | 6  | 5  | 18   | 4  | 5.6              | 147.8                    | -9.6                   |
| 1/8/2022 | 02:15:00 - 02:30:00 | 4  | 6  | 5  | 19   | 5  | 5.3              | 154.3                    | -9.6                   |
| 1/8/2022 | 02:30:00 - 02:45:00 | 4  | 6  | 5  | 19   | 5  | 5.6              | 155.0                    | -9.5                   |
| 1/8/2022 | 02:45:00 - 03:00:00 | 4  | 6  | 5  | 19   | 5  | 4.1              | 159.2                    | -9.5                   |
| 1/8/2022 | 03:00:00 - 03:15:00 | 4  | 6  | 5  | 19   | 5  | 3.7              | 159.1                    | -9.5                   |
| 1/8/2022 | 03:15:00 - 03:30:00 | 4  | 6  | 5  | 19   | 5  | 5.6              | 149.6                    | -9.4                   |
| 1/8/2022 | 03:30:00 - 03:45:00 | 4  | 6  | 5  | 19   | 5  | 5.8              | 148.0                    | -9.4                   |
| 1/8/2022 | 03:45:00 - 04:00:00 | 4  | 6  | 5  | 19   | 5  | 4.8              | 157.1                    | -9.4                   |
| 1/8/2022 | 04:00:00 - 04:15:00 | 4  | 6  | 5  | 19   | 5  | 4.5              | 161.5                    | -9.4                   |
| 1/8/2022 | 04:15:00 - 04:30:00 | 4  | 6  | 5  | 20   | 5  | 4.4              | 160.1                    | -9.3                   |
| 1/8/2022 | 04:30:00 - 04:45:00 | 4  | 6  | 5  | 20   | 5  | 4.2              | 159.5                    | -9.2                   |
| 1/8/2022 | 04:45:00 - 05:00:00 | 4  | 6  | 5  | 20   | 5  | 4.7              | 158.8                    | -9.2                   |
| 1/8/2022 | 05:00:00 - 05:15:00 | 4  | 6  | 5  | 20   | 5  | 4.4              | 160.0                    | -9.2                   |
| 1/8/2022 | 05:15:00 - 05:30:00 | 4  | 6  | 5  | 20   | 5  | 5.1              | 158.5                    | -9.2                   |
| 1/8/2022 | 05:30:00 - 05:45:00 | 4  | 6  | 5  | 21   | 5  | 5.2              | 153.9                    | -9.2                   |
| 1/8/2022 | 05:45:00 - 06:00:00 | 4  | 6  | 5  | 21   | 5  | 4.8              | 155.6                    | -9.0                   |
| 1/8/2022 | 06:00:00 - 06:15:00 | 4  | 6  | 5  | 21   | 5  | 6.2              | 148.3                    | -9.0                   |
| 1/8/2022 | 06:15:00 - 06:30:00 | 4  | 6  | 5  | 21   | 5  | 4.7              | 156.9                    | -8.9                   |
| 1/8/2022 | 06:30:00 - 06:45:00 | 4  | 6  | 5  | 21   | 5  | 4.9              | 151.8                    | -8.8                   |
| 1/8/2022 | 06:45:00 - 07:00:00 | 4  | 6  | 5  | 21   | 5  | 5.7              | 149.4                    | -8.9                   |
| 1/8/2022 | 07:00:00 - 07:15:00 | 4  | 6  | 5  | 21   | 5  | 4.8              | 154.9                    | -8.9                   |
| 1/8/2022 | 07:15:00 - 07:30:00 | 4  | 6  | 6  | 22   | 5  | 5.5              | 152.4                    | -8.9                   |
| 1/8/2022 | 07:30:00 - 07:45:00 | 4  | 6  | 6  | 22   | 5  | 5.3              | 155.4                    | -8.7                   |
| 1/8/2022 | 07:45:00 - 08:00:00 | 4  | 6  | 6  | 22   | 5  | 4.9              | 154.7                    | -8.3                   |
| 1/8/2022 | 08:00:00 - 08:15:00 | 4  | 6  | 6  | 22   | 5  | 4.7              | 147.8                    | -8.0                   |
| 1/8/2022 | 08:15:00 - 08:30:00 | 4  | 6  | 6  | 22   | 5  | 5.2              | 150.9                    | -7.7                   |
| 1/8/2022 | 08:30:00 - 08:45:00 | 5  | 6  | 6  | 22   | 5  | 5.2              | 152.5                    | -7.4                   |
| 1/8/2022 | 08:45:00 - 09:00:00 | 5  | 6  | 6  | 22   | 5  | 4.6              | 155.8                    | -7.0                   |
| 1/8/2022 | 09:00:00 - 09:15:00 | 5  | 6  | 6  | 23   | 5  | 5.1              | 150.5                    | -6.5                   |
| 1/8/2022 | 09:15:00 - 09:30:00 | 5  | 6  | 6  | 23   | 5  | 5.2              | 153.5                    | -6.1                   |
| 1/8/2022 | 09:30:00 - 09:45:00 | 5  | 6  | 6  | 23   | 5  | 5.0              | 154.0                    | -5.9                   |
| 1/8/2022 | 09:45:00 - 10:00:00 | 5  | 6  | 6  | 23   | 5  | 4.7              | 154.2                    | -5.6                   |
| 1/8/2022 | 10:00:00 - 10:15:00 | 5  | 6  | 6  | 23   | 5  | 4.5              | 153.6                    | -5.3                   |
| 1/8/2022 | 10:15:00 - 10:30:00 | 5  | 6  | 6  | 23   | 5  | 4.7              | 155.7                    | -4.9                   |

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

Appendix A: Complete Preliminary Data Record

| Date     | Timestamp           | SAM 1                                      | SAM 2                                      | SAM 3                                      | SAM 4                                      | SAM 5                                      | Met Station      |                          |                        |
|----------|---------------------|--|--|--|--|--|------------------|--------------------------|------------------------|
|          |                     | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Average Concentration [µg/m <sup>3</sup> ] | Wind Speed [mps] | Wind Direction [degrees] | Temperature [°celcius] |
| 1/8/2022 | 10:30:00 - 10:45:00 | 5  | 6  | 6  | 23   | 5  | 5.1              | 154.6                    | -4.7                   |
| 1/8/2022 | 10:45:00 - 11:00:00 | 5  | 6  | 6  | 23   | 5  | 4.6              | 153.7                    | -4.6                   |
| 1/8/2022 | 11:00:00 - 11:15:00 | 5  | 6  | 6  | 23   | 5  | 4.6              | 156.1                    | -4.3                   |
| 1/8/2022 | 11:15:00 - 11:30:00 | 5  | 6  | 6  | 23   | 5  | 4.1              | 152.5                    | -4.1                   |
| 1/8/2022 | 11:30:00 - 11:45:00 | 5  | 6  | 6  | 23   | 6  | 4.7              | 153.3                    | -3.9                   |
| 1/8/2022 | 11:45:00 - 12:00:00 | 5  | 6  | 6  | 23   | 6  | 4.1              | 151.8                    | -3.8                   |
| 1/8/2022 | 12:00:00 - 12:15:00 | 5  | 6  | 6  | 23   | 6  | 3.7              | 151.1                    | -3.8                   |
| 1/8/2022 | 12:15:00 - 12:30:00 | 5  | 6  | 6  | 23   | 6  | 4.4              | 152.5                    | -3.7                   |
| 1/8/2022 | 12:30:00 - 12:45:00 | 5  | 6  | 6  | 23   | 6  | 4.5              | 145.4                    | -3.4                   |
| 1/8/2022 | 12:45:00 - 13:00:00 | 5  | 6  | 6  | 24   | 6  | 4.0              | 146.9                    | -3.0                   |
| 1/8/2022 | 13:00:00 - 13:15:00 | 5  | 6  | 6  | 24   | 6  | 3.8              | 150.1                    | -2.8                   |
| 1/8/2022 | 13:15:00 - 13:30:00 | 5  | 6  | 6  | 24   | 6  | 4.0              | 150.9                    | -2.6                   |
| 1/8/2022 | 13:30:00 - 13:45:00 | 5  | 6  | 6  | 24   | 6  | 4.2              | 152.9                    | -2.5                   |
| 1/8/2022 | 13:45:00 - 14:00:00 | 5  | 6  | 6  | 24   | 6  | 4.3              | 144.7                    | -2.2                   |
| 1/8/2022 | 14:00:00 - 14:15:00 | 5  | 6  | 6  | 24   | 6  | 3.7              | 146.1                    | -2.2                   |
| 1/8/2022 | 14:15:00 - 14:30:00 | 5  | 6  | 6  | 24   | 6  | 3.2              | 140.1                    | -2.1                   |
| 1/8/2022 | 14:30:00 - 14:45:00 | 5  | 6  | 6  | 24   | 6  | 3.7              | 146.4                    | -2.0                   |
| 1/8/2022 | 14:45:00 - 15:00:00 | 5  | 6  | 6  | 24   | 6  | 3.5              | 140.8                    | -1.9                   |
| 1/8/2022 | 15:00:00 - 15:15:00 | 5  | 6  | 6  | 24   | 6  | 3.6              | 147.9                    | -1.7                   |
| 1/8/2022 | 15:15:00 - 15:30:00 | 5  | 6  | 6  | 24   | 6  | 4.1              | 152.8                    | -1.4                   |
| 1/8/2022 | 15:30:00 - 15:45:00 | 5  | 6  | 6  | 24   | 6  | 3.9              | 148.1                    | -1.2                   |
| 1/8/2022 | 15:45:00 - 16:00:00 | 5  | 6  | 6  | 25   | 6  | 3.4              | 147.4                    | -1.0                   |
| 1/8/2022 | 16:00:00 - 16:15:00 | 5  | 6  | 6  | 25   | 6  | 3.3              | 143.1                    | -1.0                   |
| 1/8/2022 | 16:15:00 - 16:30:00 | 5  | 6  | 6  | 25   | 6  | 3.6              | 152.9                    | -1.0                   |
| 1/8/2022 | 16:30:00 - 16:45:00 | 5  | 6  | 6  | 25   | 6  | 3.1              | 143.9                    | -0.9                   |
| 1/8/2022 | 16:45:00 - 17:00:00 | 5  | 6  | 6  | 25   | 6  | 4.1              | 153.3                    | -0.7                   |
| 1/8/2022 | 17:00:00 - 17:15:00 | 5  | 6  | 6  | 25   | 6  | 5.1              | 149.3                    | -0.6                   |
| 1/8/2022 | 17:15:00 - 17:30:00 | 5  | 6  | 6  | 25   | 6  | 3.3              | 140.8                    | -0.4                   |
| 1/8/2022 | 17:30:00 - 17:45:00 | 5  | 6  | 6  | 25   | 6  | 3.4              | 144.7                    | -0.3                   |
| 1/8/2022 | 17:45:00 - 18:00:00 | 5  | 6  | 6  | 25   | 6  | 3.3              | 148.6                    | -0.2                   |
| 1/8/2022 | 18:00:00 - 18:15:00 | 5  | 6  | 6  | 25   | 6  | 3.0              | 142.0                    | -0.1                   |
| 1/8/2022 | 18:15:00 - 18:30:00 | 5  | 6  | 6  | 26   | 6  | 3.1              | 136.9                    | 0.0                    |
| 1/8/2022 | 18:30:00 - 18:45:00 | 5  | 6  | 6  | 26   | 6  | 3.8              | 135.3                    | 0.1                    |
| 1/8/2022 | 18:45:00 - 19:00:00 | 5  | 6  | 6  | 26   | 6  | 4.2              | 150.3                    | 0.2                    |
| 1/8/2022 | 19:00:00 - 19:15:00 | 5  | 6  | 6  | 26   | 6  | 4.8              | 151.7                    | 0.3                    |
| 1/8/2022 | 19:15:00 - 19:30:00 | 5  | 6  | 6  | 26   | 6  | 4.0              | 149.3                    | 0.4                    |
| 1/8/2022 | 19:30:00 - 19:45:00 | 5  | 6  | 6  | 26   | 6  | 4.6              | 150.1                    | 0.6                    |
| 1/8/2022 | 19:45:00 - 20:00:00 | 5  | 6  | 6  | 26   | 6  | 3.4              | 131.8                    | 1.0                    |
| 1/8/2022 | 20:00:00 - 20:15:00 | 5  | 6  | 6  | 26   | 6  | 3.5              | 137.1                    | 1.2                    |
| 1/8/2022 | 20:15:00 - 20:30:00 | 5  | 6  | 6  | 26   | 6  | 3.7              | 132.7                    | 1.4                    |
| 1/8/2022 | 20:30:00 - 20:45:00 | 5  | 6  | 6  | 27   | 6  | 3.7              | 131.5                    | 1.7                    |
| 1/8/2022 | 20:45:00 - 21:00:00 | 5  | 6  | 6  | 27   | 6  | 5.8              | 138.5                    | 2.0                    |
| 1/8/2022 | 21:00:00 - 21:15:00 | 5  | 6  | 6  | 27   | 6  | 5.3              | 142.6                    | 2.1                    |
| 1/8/2022 | 21:15:00 - 21:30:00 | 5  | 6  | 6  | 27   | 6  | 4.7              | 129.7                    | 2.2                    |
| 1/8/2022 | 21:30:00 - 21:45:00 | 5  | 6  | 6  | 27   | 6  | 6.2              | 136.2                    | 2.2                    |
| 1/8/2022 | 21:45:00 - 22:00:00 | 5  | 6  | 7  | 27   | 6  | 6.2              | 135.7                    | 2.2                    |
| 1/8/2022 | 22:00:00 - 22:15:00 | 5  | 6  | 7  | 27   | 7  | 5.4              | 136.4                    | 2.3                    |
| 1/8/2022 | 22:15:00 - 22:30:00 | 5  | 6  | 7  | 27   | 7  | 5.9              | 124.3                    | 2.3                    |
| 1/8/2022 | 22:30:00 - 22:45:00 | 5  | 6  | 7  | 27   | 7  | 6.4              | 137.6                    | 2.3                    |
| 1/8/2022 | 22:45:00 - 23:00:00 | 5  | 6  | 7  | 27   | 7  | 6.1              | 145.3                    | 2.4                    |
| 1/8/2022 | 23:00:00 - 23:15:00 | 5  | 6  | 7  | 27   | 7  | 6.6              | 131.3                    | 2.5                    |
| 1/8/2022 | 23:15:00 - 23:30:00 | 5  | 6  | 7  | 27   | 7  | 5.6              | 129.0                    | 2.7                    |
| 1/8/2022 | 23:30:00 - 23:45:00 | 5  | 6  | 7  | 27   | 7  | 5.3              | 134.1                    | 2.9                    |
| 1/8/2022 | 23:45:00 - 00:00:00 | 5  | 6  | 7  | Offline                                    | 7  | 5.4              | 145.3                    | 2.9                    |
| 1/9/2022 | 00:00:00 - 00:15:00 | 5  | 6  | 7  | Offline                                    | 7  | 5.4              | 134.6                    | 2.9                    |

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

Appendix A: Complete Preliminary Data Record

| Date     | Timestamp           | SAM 1  | SAM 2  | SAM 3  | SAM 4  | SAM 5  | Met 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 [ $^{\circ}\text{C}$ ] |
| 1/9/2022 | 00:15:00 - 00:30:00 | 5  | 6  | 7  | Offline  | 7  | 5.4              | 142.3                    | 3.0                                |
| 1/9/2022 | 00:30:00 - 00:45:00 | 5  | 6  | 7  | Offline  | 7  | 6.2              | 123.6                    | 3.2                                |
| 1/9/2022 | 00:45:00 - 01:00:00 | 5  | 6  | 7  | Offline  | 7  | 6.8              | 118.3                    | 3.4                                |
| 1/9/2022 | 01:00:00 - 01:15:00 | 5  | 6  | 7  | Offline  | 7  | 7.1              | 111.3                    | 3.7                                |
| 1/9/2022 | 01:15:00 - 01:30:00 | 5  | 6  | 7  | Offline  | 7  | 6.6              | 133.2                    | 3.8                                |
| 1/9/2022 | 01:30:00 - 01:45:00 | 5  | 6  | 7  | Offline  | 7  | 5.4              | 123.2                    | 3.8                                |
| 1/9/2022 | 01:45:00 - 02:00:00 | 5  | 6  | 7  | Offline  | 7  | 4.2              | 108.2                    | 3.7                                |
| 1/9/2022 | 02:00:00 - 02:15:00 | 5  | 6  | 7  | Offline  | 7  | 4.5              | 88.2                     | 3.6                                |
| 1/9/2022 | 02:15:00 - 02:30:00 | 5  | 6  | 7  | Offline  | 7  | 5.7              | 82.5                     | 3.5                                |
| 1/9/2022 | 02:30:00 - 02:45:00 | 5  | 6  | 7  | Offline  | 7  | 6.9              | 87.3                     | 3.4                                |
| 1/9/2022 | 02:45:00 - 03:00:00 | 5  | 6  | 7  | Offline  | 7  | 6.0              | 96.2                     | 3.4                                |
| 1/9/2022 | 03:00:00 - 03:15:00 | 5  | 6  | 7  | Offline  | 7  | 6.0              | 88.7                     | 3.4                                |
| 1/9/2022 | 03:15:00 - 03:30:00 | 5  | 6  | 7  | Offline  | 7  | 6.7              | 74.4                     | 3.3                                |
| 1/9/2022 | 03:30:00 - 03:45:00 | 5  | 6  | 7  | Offline  | 7  | 8.6              | 65.8                     | 3.0                                |
| 1/9/2022 | 03:45:00 - 04:00:00 | 5  | 6  | 7  | Offline  | 7  | 7.9              | 53.6                     | 2.7                                |
| 1/9/2022 | 04:00:00 - 04:15:00 | 5  | 6  | 7  | Offline  | 7  | 6.6              | 49.4                     | 2.4                                |
| 1/9/2022 | 04:15:00 - 04:30:00 | 5  | 6  | 7  | Offline  | 7  | 7.2              | 47.8                     | 2.2                                |
| 1/9/2022 | 04:30:00 - 04:45:00 | 5  | 6  | 7  | Offline  | 7  | 8.1              | 36.7                     | 2.0                                |
| 1/9/2022 | 04:45:00 - 05:00:00 | 5  | 6  | 7  | Offline  | 7  | 6.6              | 44.3                     | 1.6                                |
| 1/9/2022 | 05:00:00 - 05:15:00 | 5  | 6  | 7  | Offline  | 7  | 7.2              | 40.6                     | 1.3                                |
| 1/9/2022 | 05:15:00 - 05:30:00 | 5  | 6  | 7  | Offline  | 7  | 7.4              | 39.2                     | 1.0                                |
| 1/9/2022 | 05:30:00 - 05:45:00 | 5  | 7  | 7  | Offline  | 7  | 7.6              | 32.9                     | 0.8                                |
| 1/9/2022 | 05:45:00 - 06:00:00 | 5  | 7  | 7  | Offline  | 7  | 5.7              | 38.6                     | 0.7                                |
| 1/9/2022 | 06:00:00 - 06:15:00 | 6  | 7  | 7  | Offline  | 7  | 6.8              | 37.7                     | 0.6                                |
| 1/9/2022 | 06:15:00 - 06:30:00 | 6  | 7  | 7  | Offline  | 7  | 5.6              | 45.7                     | 0.5                                |
| 1/9/2022 | 06:30:00 - 06:45:00 | 6  | 7  | 7  | Offline  | 7  | 7.3              | 39.9                     | 0.5                                |
| 1/9/2022 | 06:45:00 - 07:00:00 | 6  | 7  | 7  | Offline  | 7  | 8.0              | 40.3                     | 0.4                                |
| 1/9/2022 | 07:00:00 - 07:15:00 | 6  | 7  | 7  | Offline  | 7  | 7.0              | 46.9                     | 0.3                                |
| 1/9/2022 | 07:15:00 - 07:30:00 | 6  | 7  | 7  | Offline  | 7  | 7.2              | 36.9                     | 0.2                                |
| 1/9/2022 | 07:30:00 - 07:45:00 | 6  | 7  | 7  | Offline  | 7  | 7.6              | 40.8                     | 0.1                                |
| 1/9/2022 | 07:45:00 - 08:00:00 | 6  | 7  | 7  | Offline  | 7  | 8.7              | 33.9                     | -0.1                               |
| 1/9/2022 | 08:00:00 - 08:15:00 | 6  | 7  | 7  | Offline  | 7  | 8.7              | 37.7                     | -0.6                               |
| 1/9/2022 | 08:15:00 - 08:30:00 | 6  | 7  | 7  | Offline  | 7  | 7.8              | 44.5                     | -1.1                               |
| 1/9/2022 | 08:30:00 - 08:45:00 | 6  | 7  | 7  | Offline  | 7  | 7.2              | 45.0                     | -1.5                               |
| 1/9/2022 | 08:45:00 - 09:00:00 | 6  | 7  | 7  | Offline  | 7  | 6.6              | 44.4                     | -1.5                               |
| 1/9/2022 | 09:00:00 - 09:15:00 | 6  | 7  | 7  | Offline  | 7  | 6.7              | 53.3                     | -1.6                               |
| 1/9/2022 | 09:15:00 - 09:30:00 | 6  | 7  | 7  | Offline  | 7  | 7.8              | 49.3                     | -2.0                               |
| 1/9/2022 | 09:30:00 - 09:45:00 | 6  | 7  | 7  | Offline  | 7  | 7.7              | 39.3                     | -2.2                               |
| 1/9/2022 | 09:45:00 - 10:00:00 | 6  | 7  | 7  | Offline  | 7  | 7.5              | 42.8                     | -2.6                               |
| 1/9/2022 | 10:00:00 - 10:15:00 | 6  | 7  | 7  | Offline  | 7  | 8.4              | 42.6                     | -3.3                               |
| 1/9/2022 | 10:15:00 - 10:30:00 | 6  | 7  | 7  | Offline  | 7  | 9.6              | 32.1                     | -3.6                               |
| 1/9/2022 | 10:30:00 - 10:45:00 | 6  | 7  | 7  | Offline  | 7  | 6.5              | 48.2                     | -3.7                               |
| 1/9/2022 | 10:45:00 - 11:00:00 | 6  | 7  | 7  | Offline  | 7  | 7.7              | 33.1                     | -4.0                               |
| 1/9/2022 | 11:00:00 - 11:15:00 | 6  | 7  | 7  | Offline  | 7  | 9.6              | 30.2                     | -4.1                               |
| 1/9/2022 | 11:15:00 - 11:30:00 | 6  | 7  | 7  | Offline  | 7  | 8.5              | 24.0                     | -3.7                               |
| 1/9/2022 | 11:30:00 - 11:45:00 | 6  | 7  | 7  | Offline  | 7  | 7.7              | 27.1                     | -3.5                               |
| 1/9/2022 | 11:45:00 - 12:00:00 | 6  | 7  | 7  | Offline  | 7  | 7.5              | 34.8                     | -3.3                               |
| 1/9/2022 | 12:00:00 - 12:15:00 | 6  | 7  | 7  | Offline  | 7  | 8.2              | 33.3                     | -3.5                               |
| 1/9/2022 | 12:15:00 - 12:30:00 | 6  | 7  | 7  | Offline  | 7  | 7.7              | 36.2                     | -3.7                               |
| 1/9/2022 | 12:30:00 - 12:45:00 | 6  | 7  | 7  | Offline  | 7  | 8.6              | 34.4                     | -4.4                               |
| 1/9/2022 | 12:45:00 - 13:00:00 | 6  | 7  | 7  | Offline  | 7  | 7.8              | 29.2                     | -4.3                               |
| 1/9/2022 | 13:00:00 - 13:15:00 | 6  | 7  | 7  | Offline  | 7  | 7.1              | 36.8                     | -4.2                               |
| 1/9/2022 | 13:15:00 - 13:30:00 | 6  | 7  | 7  | Offline  | 7  | 7.8              | 37.9                     | -4.1                               |
| 1/9/2022 | 13:30:00 - 13:45:00 | 6  | 7  | 7  | Offline  | 7  | 6.5              | 38.4                     | -4.3                               |
| 1/9/2022 | 13:45:00 - 14:00:00 | 6  | 7  | 7  | Offline  | 7  | 8.8              | 37.9                     | -3.9                               |

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

Appendix A: Complete Preliminary Data Record

| Date      | Timestamp           | SAM 1  | SAM 2  | SAM 3  | SAM 4  | SAM 5  | Met 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 [ $^{\circ}\text{C}$ ] |
| 1/9/2022  | 14:00:00 - 14:15:00 | 6  | 7  | 7  | Offline  | 7  | 6.9              | 31.9                     | -3.4                               |
| 1/9/2022  | 14:15:00 - 14:30:00 | 6  | 7  | 7  | Offline  | 7  | 7.4              | 33.5                     | -3.6                               |
| 1/9/2022  | 14:30:00 - 14:45:00 | 6  | 7  | 7  | Offline  | 7  | 7.3              | 35.2                     | -4.1                               |
| 1/9/2022  | 14:45:00 - 15:00:00 | 6  | 7  | 7  | Offline  | 7  | 7.1              | 38.1                     | -4.3                               |
| 1/9/2022  | 15:00:00 - 15:15:00 | 6  | 7  | 7  | Offline  | 7  | 5.3              | 34.5                     | -4.5                               |
| 1/9/2022  | 15:15:00 - 15:30:00 | 6  | 7  | 7  | Offline  | 7  | 6.5              | 26.4                     | -5.1                               |
| 1/9/2022  | 15:30:00 - 15:45:00 | 6  | 7  | 7  | Offline  | 7  | 6.6              | 40.1                     | -5.5                               |
| 1/9/2022  | 15:45:00 - 16:00:00 | 6  | 7  | 7  | Offline  | 7  | 7.1              | 37.5                     | -5.8                               |
| 1/9/2022  | 16:00:00 - 16:15:00 | 6  | 7  | 7  | Offline  | 7  | 6.8              | 26.1                     | -6.2                               |
| 1/9/2022  | 16:15:00 - 16:30:00 | 6  | 7  | 7  | Offline  | 7  | 6.5              | 39.2                     | -6.6                               |
| 1/9/2022  | 16:30:00 - 16:45:00 | 6  | 7  | 7  | Offline  | 7  | 6.0              | 34.4                     | -7.1                               |
| 1/9/2022  | 16:45:00 - 17:00:00 | 6  | 7  | 7  | Offline  | 7  | 3.9              | 51.6                     | -7.3                               |
| 1/9/2022  | 17:00:00 - 17:15:00 | 6  | 7  | 7  | Offline  | 7  | 4.0              | 55.2                     | -7.6                               |
| 1/9/2022  | 17:15:00 - 17:30:00 | 5  | 7  | 7  | Offline  | 7  | 4.7              | 52.4                     | -7.9                               |
| 1/9/2022  | 17:30:00 - 17:45:00 | 5  | 7  | 7  | Offline  | 7  | 4.5              | 53.9                     | -8.0                               |
| 1/9/2022  | 17:45:00 - 18:00:00 | 5  | 7  | 7  | Offline  | 7  | 4.6              | 59.4                     | -8.1                               |
| 1/9/2022  | 18:00:00 - 18:15:00 | 5  | 7  | 7  | Offline  | 7  | 4.8              | 69.9                     | -8.2                               |
| 1/9/2022  | 18:15:00 - 18:30:00 | 5  | 7  | 7  | Offline  | 7  | 5.0              | 69.6                     | -8.3                               |
| 1/9/2022  | 18:30:00 - 18:45:00 | 5  | 7  | 7  | Offline  | 7  | 4.1              | 67.4                     | -8.5                               |
| 1/9/2022  | 18:45:00 - 19:00:00 | 5  | 7  | 7  | Offline  | 7  | 4.4              | 78.7                     | -8.6                               |
| 1/9/2022  | 19:00:00 - 19:15:00 | 5  | 7  | 7  | Offline  | 7  | 4.2              | 86.3                     | -8.8                               |
| 1/9/2022  | 19:15:00 - 19:30:00 | 5  | 7  | 7  | Offline  | 7  | 4.2              | 81.5                     | -8.8                               |
| 1/9/2022  | 19:30:00 - 19:45:00 | 5  | 7  | 7  | Offline  | 7  | 4.7              | 82.6                     | -8.9                               |
| 1/9/2022  | 19:45:00 - 20:00:00 | 5  | 7  | 7  | Offline  | 7  | 3.6              | 87.9                     | -9.0                               |
| 1/9/2022  | 20:00:00 - 20:15:00 | 5  | 7  | 7  | Offline  | 7  | 3.7              | 72.6                     | -9.0                               |
| 1/9/2022  | 20:15:00 - 20:30:00 | 5  | 7  | 7  | Offline  | 7  | 4.1              | 73.6                     | -9.1                               |
| 1/9/2022  | 20:30:00 - 20:45:00 | 5  | 7  | 7  | Offline  | 7  | 4.2              | 75.2                     | -9.2                               |
| 1/9/2022  | 20:45:00 - 21:00:00 | 5  | 7  | 7  | Offline  | 7  | 3.6              | 84.8                     | -9.4                               |
| 1/9/2022  | 21:00:00 - 21:15:00 | 5  | 7  | 7  | Offline  | 7  | 4.7              | 72.9                     | -9.4                               |
| 1/9/2022  | 21:15:00 - 21:30:00 | 5  | 7  | 7  | Offline  | 7  | 3.3              | 89.1                     | -9.6                               |
| 1/9/2022  | 21:30:00 - 21:45:00 | 5  | 7  | 7  | Offline  | 7  | 5.1              | 80.6                     | -9.7                               |
| 1/9/2022  | 21:45:00 - 22:00:00 | 5  | 7  | 7  | Offline  | 7  | 4.4              | 79.6                     | -9.8                               |
| 1/9/2022  | 22:00:00 - 22:15:00 | 5  | 7  | 7  | Offline  | 7  | 4.2              | 93.6                     | -9.9                               |
| 1/9/2022  | 22:15:00 - 22:30:00 | 5  | 7  | 7  | Offline  | 7  | 4.1              | 95.8                     | -10.0                              |
| 1/9/2022  | 22:30:00 - 22:45:00 | 5  | 7  | 7  | Offline  | 7  | 4.6              | 98.4                     | -10.1                              |
| 1/9/2022  | 22:45:00 - 23:00:00 | 5  | 7  | 7  | Offline  | 7  | 3.6              | 98.5                     | -10.2                              |
| 1/9/2022  | 23:00:00 - 23:15:00 | 5  | 7  | 7  | Offline  | 7  | 3.9              | 95.1                     | -10.3                              |
| 1/9/2022  | 23:15:00 - 23:30:00 | 5  | 7  | 7  | Offline  | 7  | 3.1              | 97.9                     | -10.4                              |
| 1/9/2022  | 23:30:00 - 23:45:00 | 5  | 6  | 7  | Offline  | 7  | 3.0              | 108.8                    | -10.5                              |
| 1/9/2022  | 23:45:00 - 00:00:00 | 5  | 6  | 7  | Offline  | 7  | 3.1              | 113.1                    | -10.6                              |
| 1/10/2022 | 00:00:00 - 00:15:00 | 5  | 6  | 6  | Offline  | 7  | 2.8              | 103.2                    | -10.7                              |
| 1/10/2022 | 00:15:00 - 00:30:00 | 5  | 6  | 6  | Offline  | 7  | 3.3              | 95.6                     | -10.7                              |
| 1/10/2022 | 00:30:00 - 00:45:00 | 5  | 6  | 6  | Offline  | 7  | 2.4              | 100.1                    | -10.8                              |
| 1/10/2022 | 00:45:00 - 01:00:00 | 5  | 7  | 6  | Offline  | 7  | 2.5              | 99.4                     | -10.8                              |
| 1/10/2022 | 01:00:00 - 01:15:00 | 5  | 7  | 6  | Offline  | 7  | 2.7              | 100.3                    | -10.8                              |
| 1/10/2022 | 01:15:00 - 01:30:00 | 5  | 7  | 6  | Offline  | 7  | 2.4              | 98.3                     | -10.9                              |
| 1/10/2022 | 01:30:00 - 01:45:00 | 5  | 7  | 6  | Offline  | 7  | 2.6              | 86.8                     | -10.9                              |
| 1/10/2022 | 01:45:00 - 02:00:00 | 5  | 7  | 6  | Offline  | 7  | 2.8              | 94.6                     | -10.9                              |
| 1/10/2022 | 02:00:00 - 02:15:00 | 5  | 7  | 6  | Offline  | 6  | 3.3              | 83.8                     | -10.8                              |
| 1/10/2022 | 02:15:00 - 02:30:00 | 5  | 7  | 6  | Offline  | 6  | 2.8              | 98.6                     | -10.6                              |
| 1/10/2022 | 02:30:00 - 02:45:00 | 5  | 7  | 6  | Offline  | 6  | 3.3              | 106.8                    | -10.5                              |
| 1/10/2022 | 02:45:00 - 03:00:00 | 5  | 7  | 6  | Offline  | 6  | 3.3              | 106.1                    | -10.3                              |
| 1/10/2022 | 03:00:00 - 03:15:00 | 5  | 7  | 6  | Offline  | 6  | 2.6              | 109.7                    | -10.1                              |
| 1/10/2022 | 03:15:00 - 03:30:00 | 5  | 7  | 6  | Offline  | 6  | 2.9              | 113.7                    | -10.0                              |
| 1/10/2022 | 03:30:00 - 03:45:00 | 5  | 7  | 6  | Offline  | 6  | 2.5              | 105.9                    | -9.9                               |

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

Appendix A: Complete Preliminary Data Record

| Date      | Timestamp           | SAM 1  | SAM 2  | SAM 3  | SAM 4  | SAM 5  | Met 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 [ $^{\circ}\text{C}$ ] |
| 1/10/2022 | 03:45:00 - 04:00:00 | 5  | 7  | 6  | Offline  | 6  | 2.2              | 103.5                    | -9.8                               |
| 1/10/2022 | 04:00:00 - 04:15:00 | 5  | 7  | 6  | Offline  | 6  | 2.0              | 106.1                    | -9.7                               |
| 1/10/2022 | 04:15:00 - 04:30:00 | 5  | 7  | 6  | Offline  | 6  | 2.1              | 131.0                    | -9.8                               |
| 1/10/2022 | 04:30:00 - 04:45:00 | 5  | 7  | 6  | Offline  | 6  | 2.2              | 138.1                    | -9.8                               |
| 1/10/2022 | 04:45:00 - 05:00:00 | 5  | 7  | 6  | Offline  | 6  | 2.5              | 149.9                    | -10.0                              |
| 1/10/2022 | 05:00:00 - 05:15:00 | 5  | 7  | 6  | Offline  | 6  | 2.1              | 139.6                    | -10.2                              |
| 1/10/2022 | 05:15:00 - 05:30:00 | 5  | 7  | 6  | Offline  | 6  | 2.4              | 133.7                    | -10.2                              |
| 1/10/2022 | 05:30:00 - 05:45:00 | 5  | 7  | 6  | Offline  | 6  | 2.8              | 147.7                    | -10.0                              |
| 1/10/2022 | 05:45:00 - 06:00:00 | 5  | 6  | 6  | Offline  | 6  | 2.7              | 148.5                    | -10.1                              |
| 1/10/2022 | 06:00:00 - 06:15:00 | 5  | 6  | 6  | Offline  | 6  | 3.0              | 152.0                    | -10.3                              |
| 1/10/2022 | 06:15:00 - 06:30:00 | 5  | 6  | 6  | Offline  | 6  | 3.7              | 159.3                    | -10.2                              |
| 1/10/2022 | 06:30:00 - 06:45:00 | 5  | 6  | 6  | Offline  | 6  | 3.9              | 158.4                    | -10.0                              |
| 1/10/2022 | 06:45:00 - 07:00:00 | 5  | 6  | 6  | Offline  | 6  | 4.2              | 151.4                    | -10.0                              |
| 1/10/2022 | 07:00:00 - 07:15:00 | 5  | 6  | 6  | Offline  | 6  | 3.3              | 150.5                    | -9.9                               |
| 1/10/2022 | 07:15:00 - 07:30:00 | 5  | 6  | 6  | Offline  | 6  | 3.7              | 151.0                    | -9.8                               |
| 1/10/2022 | 07:30:00 - 07:45:00 | 5  | 6  | 6  | Offline  | 6  | 3.7              | 153.9                    | -9.7                               |
| 1/10/2022 | 07:45:00 - 08:00:00 | 5  | 6  | 6  | Offline  | 6  | 3.5              | 158.3                    | -9.5                               |
| 1/10/2022 | 08:00:00 - 08:15:00 | 5  | 6  | 6  | Offline  | 6  | 4.4              | 154.8                    | -9.2                               |
| 1/10/2022 | 08:15:00 - 08:30:00 | 5  | 6  | 6  | Offline  | 6  | 4.7              | 147.5                    | -8.9                               |
| 1/10/2022 | 08:30:00 - 08:45:00 | 5  | 6  | 6  | Offline  | 6  | 4.7              | 149.5                    | -8.5                               |
| 1/10/2022 | 08:45:00 - 09:00:00 | 5  | 6  | 6  | Offline  | 6  | 5.3              | 145.2                    | -8.1                               |
| 1/10/2022 | 09:00:00 - 09:15:00 | 5  | 6  | 6  | Offline  | 6  | 3.7              | 144.7                    | -7.5                               |
| 1/10/2022 | 09:15:00 - 09:30:00 | 5  | 6  | 6  | Offline  | 6  | 4.1              | 125.3                    | -6.6                               |
| 1/10/2022 | 09:30:00 - 09:45:00 | 5  | 6  | 6  | Offline  | 6  | 4.5              | 115.2                    | -5.8                               |
| 1/10/2022 | 09:45:00 - 10:00:00 | 5  | 6  | 6  | 32   | 6  | 5.2              | 106.7                    | -5.3                               |
| 1/10/2022 | 10:00:00 - 10:15:00 | 5  | 6  | 6  | 21   | 6  | 5.9              | 88.6                     | -5.0                               |
| 1/10/2022 | 10:15:00 - 10:30:00 | 5  | 6  | 6  | 19   | 5  | 6.2              | 66.7                     | -4.6                               |
| 1/10/2022 | 10:30:00 - 10:45:00 | 5  | 6  | 6  | 19   | 5  | 6.8              | 69.3                     | -4.6                               |
| 1/10/2022 | 10:45:00 - 11:00:00 | 5  | 6  | 6  | 19   | 5  | 5.2              | 58.8                     | -4.4                               |
| 1/10/2022 | 11:00:00 - 11:15:00 | 5  | 6  | 6  | 19   | 5  | 5.6              | 67.0                     | -4.2                               |
| 1/10/2022 | 11:15:00 - 11:30:00 | 5  | 5  | 6  | 19   | 5  | 5.7              | 46.8                     | -4.0                               |
| 1/10/2022 | 11:30:00 - 11:45:00 | 5  | 5  | 6  | 19   | 5  | 6.5              | 57.0                     | -3.9                               |
| 1/10/2022 | 11:45:00 - 12:00:00 | 5  | 5  | 6  | 19   | 5  | 6.1              | 53.8                     | -3.6                               |
| 1/10/2022 | 12:00:00 - 12:15:00 | 5  | 5  | 6  | 19   | 6  | 6.5              | 39.2                     | -3.5                               |
| 1/10/2022 | 12:15:00 - 12:30:00 | 5  | 5  | 6  | 19   | 6  | 5.8              | 38.9                     | -3.3                               |
| 1/10/2022 | 12:30:00 - 12:45:00 | 5  | 5  | 6  | 19   | 6  | 6.5              | 45.4                     | -3.2                               |
| 1/10/2022 | 12:45:00 - 13:00:00 | 5  | 5  | 6  | 19   | 6  | 6.3              | 27.6                     | -2.9                               |
| 1/10/2022 | 13:00:00 - 13:15:00 | 5  | 5  | 6  | 19   | 6  | 7.1              | 40.3                     | -3.1                               |
| 1/10/2022 | 13:15:00 - 13:30:00 | 5  | 5  | 6  | 19   | 6  | 7.3              | 36.8                     | -3.2                               |
| 1/10/2022 | 13:30:00 - 13:45:00 | 5  | 5  | 6  | 19   | 6  | 6.6              | 26.8                     | -3.2                               |
| 1/10/2022 | 13:45:00 - 14:00:00 | 5  | 5  | 6  | 19   | 6  | 6.3              | 34.3                     | -3.2                               |
| 1/10/2022 | 14:00:00 - 14:15:00 | 5  | 5  | 6  | 19   | 6  | 6.7              | 26.3                     | -3.4                               |
| 1/10/2022 | 14:15:00 - 14:30:00 | 5  | 5  | 6  | 19   | 6  | 6.0              | 35.3                     | -3.3                               |
| 1/10/2022 | 14:30:00 - 14:45:00 | 5  | 5  | 6  | 19   | 6  | 6.4              | 32.2                     | -3.6                               |
| 1/10/2022 | 14:45:00 - 15:00:00 | 5  | 5  | 6  | 19   | 6  | 6.1              | 60.2                     | -3.6                               |
| 1/10/2022 | 15:00:00 - 15:15:00 | 5  | 5  | 6  | 19   | 5  | 7.2              | 48.2                     | -3.9                               |
| 1/10/2022 | 15:15:00 - 15:30:00 | 5  | 5  | 6  | 19   | 5  | 7.1              | 40.5                     | -4.0                               |
| 1/10/2022 | 15:30:00 - 15:45:00 | 5  | 5  | 6  | 19   | 5  | 5.1              | 49.8                     | -4.2                               |
| 1/10/2022 | 15:45:00 - 16:00:00 | 5  | 5  | 6  | 19   | 5  | 6.0              | 61.7                     | -4.3                               |
| 1/10/2022 | 16:00:00 - 16:15:00 | 5  | 5  | 6  | 18   | 5  | 5.3              | 44.9                     | -4.5                               |
| 1/10/2022 | 16:15:00 - 16:30:00 | 5  | 5  | 6  | 18   | 5  | 6.6              | 29.5                     | -4.7                               |
| 1/10/2022 | 16:30:00 - 16:45:00 | 5  | 5  | 6  | 18   | 5  | 4.3              | 36.9                     | -5.0                               |
| 1/10/2022 | 16:45:00 - 17:00:00 | 5  | 5  | 6  | 18   | 5  | 4.7              | 32.2                     | -5.5                               |
| 1/10/2022 | 17:00:00 - 17:15:00 | 5  | 5  | 6  | 18   | 5  | 3.7              | 35.3                     | -6.1                               |
| 1/10/2022 | 17:15:00 - 17:30:00 | 5  | 5  | 6  | 17   | 5  | 4.0              | 32.2                     | -6.8                               |

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

Appendix A: Complete Preliminary Data Record

| Date      | Timestamp           | SAM 1  | SAM 2  | SAM 3  | SAM 4  | SAM 5  | Met 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 [ $^{\circ}\text{C}$ ] |
| 1/10/2022 | 17:30:00 - 17:45:00 | 5  | 5  | 6  | 17   | 5  | 3.8              | 33.1                     | -7.2                               |
| 1/10/2022 | 17:45:00 - 18:00:00 | 5  | 5  | 6  | 17   | 5  | 3.4              | 35.0                     | -7.4                               |
| 1/10/2022 | 18:00:00 - 18:15:00 | 5  | 5  | 6  | 17   | 5  | 3.2              | 44.8                     | -7.7                               |
| 1/10/2022 | 18:15:00 - 18:30:00 | 5  | 5  | 6  | 17   | 5  | 3.1              | 43.8                     | -8.1                               |
| 1/10/2022 | 18:30:00 - 18:45:00 | 5  | 5  | 6  | 17   | 5  | 2.6              | 46.5                     | -8.4                               |
| 1/10/2022 | 18:45:00 - 19:00:00 | 5  | 5  | 6  | 16   | 4  | 2.7              | 48.4                     | -8.7                               |
| 1/10/2022 | 19:00:00 - 19:15:00 | 5  | 5  | 6  | 16   | 4  | 2.1              | 47.6                     | -8.9                               |
| 1/10/2022 | 19:15:00 - 19:30:00 | 5  | 5  | 6  | 16   | 4  | 3.1              | 43.7                     | -9.1                               |
| 1/10/2022 | 19:30:00 - 19:45:00 | 5  | 5  | 6  | 16   | 4  | 2.7              | 37.9                     | -9.3                               |
| 1/10/2022 | 19:45:00 - 20:00:00 | 5  | 5  | 6  | 16   | 4  | 2.8              | 46.7                     | -9.4                               |
| 1/10/2022 | 20:00:00 - 20:15:00 | 5  | 5  | 6  | 16   | 4  | 3.0              | 47.1                     | -9.4                               |
| 1/10/2022 | 20:15:00 - 20:30:00 | 5  | 5  | 6  | 16   | 4  | 2.4              | 72.0                     | -9.5                               |
| 1/10/2022 | 20:30:00 - 20:45:00 | 5  | 5  | 6  | 16   | 4  | 2.4              | 45.1                     | -9.6                               |
| 1/10/2022 | 20:45:00 - 21:00:00 | 5  | 5  | 6  | 16   | 4  | 1.9              | 53.9                     | -9.8                               |
| 1/10/2022 | 21:00:00 - 21:15:00 | 5  | 5  | 6  | 16   | 4  | 2.5              | 44.7                     | -10.0                              |
| 1/10/2022 | 21:15:00 - 21:30:00 | 5  | 5  | 6  | 16   | 4  | 2.2              | 37.2                     | -10.2                              |
| 1/10/2022 | 21:30:00 - 21:45:00 | 5  | 5  | 6  | 16   | 4  | 1.9              | 57.2                     | -10.6                              |
| 1/10/2022 | 21:45:00 - 22:00:00 | 5  | 5  | 6  | 16   | 4  | 1.8              | 71.0                     | -11.2                              |
| 1/10/2022 | 22:00:00 - 22:15:00 | 5  | 5  | 6  | 16   | 4  | 2.5              | 51.8                     | -11.5                              |
| 1/10/2022 | 22:15:00 - 22:30:00 | 5  | 5  | 6  | 17   | 4  | 1.9              | 69.4                     | -11.7                              |
| 1/10/2022 | 22:30:00 - 22:45:00 | 5  | 5  | 6  | 17   | 4  | 2.3              | 53.4                     | -11.9                              |
| 1/10/2022 | 22:45:00 - 23:00:00 | 5  | 5  | 6  | 17   | 4  | 1.6              | 71.9                     | -12.0                              |
| 1/10/2022 | 23:00:00 - 23:15:00 | 5  | 5  | 6  | 17   | 4  | 1.5              | 79.8                     | -12.2                              |
| 1/10/2022 | 23:15:00 - 23:30:00 | 5  | 5  | 6  | 17   | 5  | 1.9              | 71.7                     | -12.3                              |
| 1/10/2022 | 23:30:00 - 23:45:00 | 5  | 5  | 6  | 17   | 5  | 1.7              | 72.6                     | -12.4                              |
| 1/10/2022 | 23:45:00 - 00:00:00 | 5  | 5  | 6  | 17   | 5  | 1.7              | 69.8                     | -12.5                              |
| 1/11/2022 | 00:00:00 - 00:15:00 | 5  | 5  | 6  | 17   | 5  | 1.6              | 66.6                     | -12.6                              |
| 1/11/2022 | 00:15:00 - 00:30:00 | 5  | 5  | 6  | 18   | 5  | 1.6              | 93.3                     | -12.7                              |
| 1/11/2022 | 00:30:00 - 00:45:00 | 5  | 5  | 6  | 18   | 5  | 2.0              | 111.0                    | -12.8                              |
| 1/11/2022 | 00:45:00 - 01:00:00 | 5  | 5  | 6  | 18   | 5  | 1.7              | 77.5                     | -12.9                              |
| 1/11/2022 | 01:00:00 - 01:15:00 | 5  | 5  | 6  | 18   | 5  | 1.4              | 92.6                     | -13.0                              |
| 1/11/2022 | 01:15:00 - 01:30:00 | 5  | 5  | 6  | 19   | 5  | 1.6              | 75.0                     | -13.0                              |
| 1/11/2022 | 01:30:00 - 01:45:00 | 5  | 5  | 6  | 19   | 5  | 1.5              | 79.6                     | -13.1                              |
| 1/11/2022 | 01:45:00 - 02:00:00 | 5  | 5  | 6  | 19   | 5  | 1.5              | 131.9                    | -13.3                              |
| 1/11/2022 | 02:00:00 - 02:15:00 | 5  | 5  | 6  | 19   | 5  | 1.6              | 127.9                    | -13.3                              |
| 1/11/2022 | 02:15:00 - 02:30:00 | 5  | 5  | 6  | 19   | 5  | 2.5              | 107.3                    | -13.2                              |
| 1/11/2022 | 02:30:00 - 02:45:00 | 5  | 5  | 6  | 19   | 5  | 2.5              | 111.4                    | -13.2                              |
| 1/11/2022 | 02:45:00 - 03:00:00 | 5  | 5  | 6  | 19   | 5  | 1.9              | 114.8                    | -13.2                              |
| 1/11/2022 | 03:00:00 - 03:15:00 | 5  | 5  | 6  | 20   | 5  | 1.3              | 132.2                    | -13.2                              |
| 1/11/2022 | 03:15:00 - 03:30:00 | 5  | 5  | 6  | 20   | 5  | 2.0              | 120.2                    | -13.2                              |
| 1/11/2022 | 03:30:00 - 03:45:00 | 5  | 5  | 6  | 20   | 5  | 1.5              | 135.0                    | -13.2                              |
| 1/11/2022 | 03:45:00 - 04:00:00 | 5  | 5  | 6  | 20   | 5  | 1.6              | 162.0                    | -13.3                              |
| 1/11/2022 | 04:00:00 - 04:15:00 | 5  | 5  | 6  | 20   | 5  | 3.2              | 163.6                    | -13.0                              |
| 1/11/2022 | 04:15:00 - 04:30:00 | 5  | 5  | 6  | 20   | 5  | 2.6              | 156.2                    | -12.9                              |
| 1/11/2022 | 04:30:00 - 04:45:00 | 5  | 5  | 6  | 20   | 5  | 3.9              | 150.2                    | -12.6                              |
| 1/11/2022 | 04:45:00 - 05:00:00 | 5  | 5  | 6  | 20   | 5  | 4.1              | 153.1                    | -12.6                              |
| 1/11/2022 | 05:00:00 - 05:15:00 | 5  | 5  | 6  | 20   | 5  | 3.9              | 154.9                    | -12.6                              |
| 1/11/2022 | 05:15:00 - 05:30:00 | 5  | 5  | 6  | 20   | 5  | 4.2              | 151.2                    | -12.5                              |
| 1/11/2022 | 05:30:00 - 05:45:00 | 5  | 5  | 6  | 20   | 5  | 4.0              | 154.5                    | -12.6                              |
| 1/11/2022 | 05:45:00 - 06:00:00 | 5  | 5  | 6  | 20   | 5  | 4.4              | 152.8                    | -12.6                              |
| 1/11/2022 | 06:00:00 - 06:15:00 | 5  | 5  | 6  | 20   | 5  | 4.6              | 153.0                    | -12.6                              |
| 1/11/2022 | 06:15:00 - 06:30:00 | 5  | 5  | 6  | 20   | 5  | 4.0              | 159.1                    | -12.6                              |
| 1/11/2022 | 06:30:00 - 06:45:00 | 5  | 5  | 6  | 21   | 5  | 5.5              | 151.2                    | -12.6                              |
| 1/11/2022 | 06:45:00 - 07:00:00 | 5  | 5  | 6  | 21   | 5  | 3.9              | 151.7                    | -12.5                              |
| 1/11/2022 | 07:00:00 - 07:15:00 | 5  | 5  | 6  | 21   | 5  | 3.3              | 159.1                    | -12.4                              |

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



## Appendix A: Complete Preliminary Data Record

| Date      | Timestamp           | SAM 1  | SAM 2  | SAM 3  | SAM 4  | SAM 5  | Met 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 [ $^{\circ}\text{C}$ ] |
| 1/11/2022 | 07:15:00 - 07:30:00 | 5  | 5  | 6  | 21   | 5  | 3.9              | 162.6                    | -12.3                              |
| 1/11/2022 | 07:30:00 - 07:45:00 | 5  | 5  | 6  | 21   | 5  | 3.5              | 163.1                    | -12.2                              |
| 1/11/2022 | 07:45:00 - 08:00:00 | 5  | 5  | 6  | 21   | 5  | 3.3              | 162.1                    | -11.6                              |
| 1/11/2022 | 08:00:00 - 08:15:00 | 5  | 5  | 6  | 21   | 5  | 3.6              | 160.1                    | -11.4                              |
| 1/11/2022 | 08:15:00 - 08:30:00 | 5  | 5  | 6  | 21   | 5  | 4.5              | 159.2                    | -10.9                              |
| 1/11/2022 | 08:30:00 - 08:45:00 | 5  | 5  | 6  | 21   | 5  | 4.2              | 160.5                    | -10.2                              |
| 1/11/2022 | 08:45:00 - 09:00:00 | 5  | 5  | 6  | 21   | 5  | 3.8              | 161.6                    | -9.4                               |
| 1/11/2022 | 09:00:00 - 09:15:00 | 5  | 5  | 6  | 21   | 5  | 4.0              | 159.6                    | -8.5                               |
| 1/11/2022 | 09:15:00 - 09:30:00 | 5  | 5  | 6  | 21   | 5  | 3.8              | 159.6                    | -7.8                               |
| 1/11/2022 | 09:30:00 - 09:45:00 | 5  | 5  | 6  | 21   | 5  | 3.7              | 154.5                    | -7.0                               |
| 1/11/2022 | 09:45:00 - 10:00:00 | 5  | 5  | 6  | 21   | 5  | 4.5              | 159.7                    | -6.4                               |
| 1/11/2022 | 10:00:00 - 10:15:00 | 5  | 5  | 6  | 21   | 5  | 5.2              | 155.5                    | -6.0                               |
| 1/11/2022 | 10:15:00 - 10:30:00 | 5  | 5  | 6  | 21   | 5  | 4.2              | 155.7                    | -5.1                               |
| 1/11/2022 | 10:30:00 - 10:45:00 | 5  | 5  | 6  | 21   | 5  | 4.3              | 153.7                    | -4.5                               |
| 1/11/2022 | 10:45:00 - 11:00:00 | 5  | 5  | 6  | 21   | 5  | 4.1              | 154.3                    | -4.0                               |
| 1/11/2022 | 11:00:00 - 11:15:00 | 5  | 5  | 6  | 21   | 5  | 4.6              | 154.9                    | -3.6                               |
| 1/11/2022 | 11:15:00 - 11:30:00 | 5  | 5  | 6  | 21   | 5  | 4.7              | 155.1                    | -3.2                               |
| 1/11/2022 | 11:30:00 - 11:45:00 | 5  | 4  | 6  | 21   | 5  | 4.8              | 151.9                    | -2.6                               |
| 1/11/2022 | 11:45:00 - 12:00:00 | 5  | 4  | 6  | 21   | 5  | 4.4              | 154.7                    | -2.0                               |
| 1/11/2022 | 12:00:00 - 12:15:00 | 5  | 4  | 6  | 21   | 5  | 5.6              | 151.0                    | -1.4                               |
| 1/11/2022 | 12:15:00 - 12:30:00 | 5  | 4  | 6  | 21   | 5  | 5.0              | 145.9                    | -0.8                               |
| 1/11/2022 | 12:30:00 - 12:45:00 | 5  | 4  | 6  | 21   | 5  | 5.4              | 146.2                    | -0.3                               |
| 1/11/2022 | 12:45:00 - 13:00:00 | 5  | 4  | 6  | 21   | 5  | 5.4              | 150.2                    | 0.2                                |
| 1/11/2022 | 13:00:00 - 13:15:00 | 5  | 4  | 5  | 21   | 6  | 5.4              | 152.8                    | 0.7                                |
| 1/11/2022 | 13:15:00 - 13:30:00 | 5  | 4  | 4  | 21   | 5  | 5.7              | 148.4                    | 1.0                                |
| 1/11/2022 | 13:30:00 - 13:45:00 | 5  | 4  | 4  | 21   | 4  | 6.4              | 148.2                    | 1.4                                |
| 1/11/2022 | 13:45:00 - 14:00:00 | 5  | 4  | 4  | 21   | 4  | 5.5              | 147.6                    | 1.6                                |
| 1/11/2022 | 14:00:00 - 14:15:00 | 5  | 4  | 4  | 21   | 5  | 5.8              | 150.5                    | 1.8                                |
| 1/11/2022 | 14:15:00 - 14:30:00 | 5  | 4  | 4  | 21   | 5  | 5.7              | 142.8                    | 2.0                                |
| 1/11/2022 | 14:30:00 - 14:45:00 | 5  | 4  | 5  | 21   | 5  | 6.4              | 149.9                    | 2.1                                |
| 1/11/2022 | 14:45:00 - 15:00:00 | 5  | 4  | 5  | 21   | 5  | 6.2              | 150.2                    | 2.0                                |
| 1/11/2022 | 15:00:00 - 15:15:00 | 5  | 4  | 5  | 21   | 5  | 5.6              | 141.2                    | 2.1                                |
| 1/11/2022 | 15:15:00 - 15:30:00 | 5  | 5  | 5  | 21   | 5  | 5.7              | 149.1                    | 2.1                                |
| 1/11/2022 | 15:30:00 - 15:45:00 | 5  | 5  | 5  | 21   | 5  | 5.4              | 144.4                    | 1.9                                |
| 1/11/2022 | 15:45:00 - 16:00:00 | 5  | 5  | 5  | 21   | 5  | 5.3              | 146.0                    | 1.7                                |
| 1/11/2022 | 16:00:00 - 16:15:00 | 5  | 5  | 5  | 21   | 5  | 5.4              | 149.6                    | 1.5                                |
| 1/11/2022 | 16:15:00 - 16:30:00 | 5  | 5  | 5  | 21   | 5  | 4.9              | 151.0                    | 1.2                                |
| 1/11/2022 | 16:30:00 - 16:45:00 | 5  | 5  | 5  | 21   | 5  | 4.7              | 148.4                    | 1.1                                |
| 1/11/2022 | 16:45:00 - 17:00:00 | 5  | 5  | 5  | 21   | 5  | 5.1              | 143.5                    | 0.9                                |
| 1/11/2022 | 17:00:00 - 17:15:00 | 5  | 5  | 5  | 21   | 5  | 4.5              | 142.7                    | 0.7                                |
| 1/11/2022 | 17:15:00 - 17:30:00 | 5  | 5  | 5  | 21   | 6  | 4.2              | 147.7                    | 0.6                                |
| 1/11/2022 | 17:30:00 - 17:45:00 | 5  | 5  | 5  | 21   | 6  | 4.5              | 148.9                    | 0.4                                |
| 1/11/2022 | 17:45:00 - 18:00:00 | 5  | 5  | 6  | 21   | 6  | 5.2              | 150.2                    | 0.3                                |
| 1/11/2022 | 18:00:00 - 18:15:00 | 5  | 5  | 6  | 22   | 6  | 4.9              | 143.7                    | 0.4                                |
| 1/11/2022 | 18:15:00 - 18:30:00 | 5  | 5  | 6  | 22   | 6  | 5.7              | 144.5                    | 0.5                                |
| 1/11/2022 | 18:30:00 - 18:45:00 | 5  | 5  | 6  | 22   | 6  | 5.5              | 142.5                    | 0.6                                |
| 1/11/2022 | 18:45:00 - 19:00:00 | 5  | 5  | 6  | 22   | 6  | 5.9              | 150.5                    | 0.6                                |
| 1/11/2022 | 19:00:00 - 19:15:00 | 5  | 5  | 6  | 22   | 6  | 5.9              | 154.0                    | 0.6                                |
| 1/11/2022 | 19:15:00 - 19:30:00 | 5  | 5  | 6  | 22   | 6  | 6.0              | 148.4                    | 0.6                                |
| 1/11/2022 | 19:30:00 - 19:45:00 | 5  | 6  | 6  | 22   | 6  | 5.6              | 149.5                    | 0.6                                |
| 1/11/2022 | 19:45:00 - 20:00:00 | 5  | 6  | 6  | 22   | 6  | 6.3              | 152.7                    | 0.7                                |
| 1/11/2022 | 20:00:00 - 20:15:00 | 5  | 6  | 6  | 22   | 6  | 6.3              | 145.9                    | 0.8                                |
| 1/11/2022 | 20:15:00 - 20:30:00 | 5  | 6  | 6  | 22   | 6  | 8.5              | 148.7                    | 0.9                                |
| 1/11/2022 | 20:30:00 - 20:45:00 | 5  | 6  | 6  | 22   | 6  | 8.1              | 150.6                    | 1.0                                |
| 1/11/2022 | 20:45:00 - 21:00:00 | 5  | 6  | 6  | 22   | 6  | 7.3              | 148.5                    | 1.0                                |

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

Appendix A: Complete Preliminary Data Record

| Date      | Timestamp           | SAM 1                                      | SAM 2                                      | SAM 3                                      | SAM 4                                      | SAM 5                                      | Met Station      |                          |                        |
|-----------|---------------------|--|--|--|--|--|------------------|--------------------------|------------------------|
|           |                     | Average Concentration [ug/m <sup>3</sup> ] | Average Concentration [ug/m <sup>3</sup> ] | Average Concentration [ug/m <sup>3</sup> ] | Average Concentration [ug/m <sup>3</sup> ] | Average Concentration [ug/m <sup>3</sup> ] | Wind Speed [mps] | Wind Direction [degrees] | Temperature [°celcius] |
| 1/11/2022 | 21:00:00 - 21:15:00 | 5  | 6  | 6  | 22   | 6  | 8.0              | 144.4                    | 1.0                    |
| 1/11/2022 | 21:15:00 - 21:30:00 | 5  | 6  | 6  | 22   | 6  | 7.8              | 147.2                    | 1.0                    |
| 1/11/2022 | 21:30:00 - 21:45:00 | 5  | 6  | 6  | 22   | 7  | 7.1              | 148.5                    | 1.0                    |
| 1/11/2022 | 21:45:00 - 22:00:00 | 5  | 6  | 6  | 22   | 7  | 6.9              | 140.2                    | 1.1                    |
| 1/11/2022 | 22:00:00 - 22:15:00 | 5  | 6  | 6  | 22   | 7  | 7.9              | 140.1                    | 1.3                    |
| 1/11/2022 | 22:15:00 - 22:30:00 | 5  | 6  | 6  | 23   | 7  | 7.4              | 133.3                    | 1.5                    |
| 1/11/2022 | 22:30:00 - 22:45:00 | 5  | 6  | 6  | 23   | 7  | 6.1              | 135.9                    | 1.6                    |
| 1/11/2022 | 22:45:00 - 23:00:00 | 5  | 6  | 6  | 23   | 7  | 7.1              | 135.0                    | 1.9                    |
| 1/11/2022 | 23:00:00 - 23:15:00 | 5  | 6  | 6  | 23   | 7  | 7.5              | 141.5                    | 2.1                    |
| 1/11/2022 | 23:15:00 - 23:30:00 | 5  | 6  | 6  | 23   | 7  | 7.0              | 133.4                    | 2.1                    |
| 1/11/2022 | 23:30:00 - 23:45:00 | 5  | 6  | 6  | 23   | 7  | 7.8              | 134.1                    | 2.2                    |
| 1/11/2022 | 23:45:00 - 00:00:00 | 5  | 6  | 6  | 23   | 7  | 7.6              | 136.9                    | 2.3                    |

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

Appendix A: Complete Preliminary Data Record

| 1/5/2022  |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |
|-----------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| Site Name | Reading 1  |                 | Reading 2  |                 | Reading 3  |                 | Reading 4  |                 | Reading 5  |                 | Reading 6  |                 | Reading 7  |                 | Reading 8  |                 |
|           | 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     | 726        | 0.0             | 815        | 0.0             | 900        | 0.0             | 950        | 0.0             | 1100       | 0.0             | 1401       | 0.0             | 1459       | 0.0             | 1600       | 0.0             |
| SAM-2     | 738        | 0.0             | 826        | 0.0             | 913        | 0.0             | 958        | 0.0             | 1110       | 0.0             | 1416       | 0.0             | 1510       | 0.0             | 1610       | 0.0             |
| SAM-3     | 732        | 0.0             | 821        | 0.0             | 908        | 0.0             | 955        | 0.0             | 1107       | 0.0             | 1410       | 0.0             | 1506       | 0.0             | 1607       | 0.0             |
| SAM-4     | 729        | 0.0             | 818        | 0.0             | 905        | 0.0             | 953        | 0.0             | 1104       | 0.0             | 1405       | 0.0             | 1502       | 0.0             | 1604       | 0.0             |
| IMPL-A    | 729        | 0.0             | 827        | 0.0             | 914        | 0.0             | 1000       | 0.0             | 1112       | 0.0             | 1417       | 0.0             | 1511       | 0.0             | 1611       | 0.0             |
| IMPL-B    | 730        | 0.0             | 828        | 0.0             | 915        | 0.0             | 1001       | 0.0             | 1113       | 0.0             | 1418       | 0.0             | 1512       | 0.0             | 1612       | 0.0             |
| IMPL-C    | 731        | 0.0             | 829        | 0.0             | 916        | 0.0             | 1002       | 0.0             | 1114       | 0.0             | 1419       | 0.0             | 1513       | 0.0             | 1613       | 0.0             |
| IMPL-D    | 732        | 0.0             | 830        | 0.0             | 917        | 0.0             | 1003       | 0.0             | 1115       | 0.0             | 1420       | 0.0             | 1514       | 0.0             | 1614       | 0.0             |
| IMPL-E    | 733        | 0.0             | 831        | 0.0             | 918        | 0.0             | 1004       | 0.0             | 1116       | 0.0             | 1421       | 0.0             | 1515       | 0.0             | 1615       | 0.0             |
| IMPL-F    | 734        | 0.0             | 832        | 0.0             | 919        | 0.0             | 1005       | 0.0             | 1117       | 0.0             | 1422       | 0.0             | 1516       | 0.0             | 1616       | 0.0             |
| IMPL-G    | 735        | 0.0             | 833        | 0.0             | 920        | 0.0             | 1006       | 0.0             | 1118       | 0.0             | 1423       | 0.0             | 1517       | 0.0             | 1617       | 0.0             |
| IMPL-H    | 736        | 0.0             | 834        | 0.0             | 921        | 0.0             | 1007       | 0.0             | 1120       | 0.0             | 1424       | 0.0             | 1518       | 0.0             | 1618       | 0.0             |
| IMPL-I    | 738        | 0.0             | 836        | 0.0             | 922        | 0.0             | 1009       | 0.0             | 1121       | 0.0             | 1425       | 0.0             | 1520       | 0.0             | 1619       | 0.0             |
| IMPL-J    | 739        | 0.0             | 837        | 0.0             | 923        | 0.0             | 1010       | 0.0             | 1122       | 0.0             | 1426       | 0.0             | 1521       | 0.0             | 1620       | 0.0             |
| IMPL-K    | 740        | 0.0             | 838        | 0.0             | 924        | 0.0             | 1011       | 0.0             | 1123       | 0.0             | 1427       | 0.0             | 1522       | 0.0             | 1621       | 0.0             |
| IMPL-L    | 741        | 0.0             | 839        | 0.0             | 925        | 0.0             | 1012       | 0.0             | 1124       | 0.0             | 1428       | 0.0             | 1523       | 0.0             | 1622       | 0.0             |

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

| 1/6/2022  |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |
|-----------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| Site Name | Reading 1  |                 | Reading 2  |                 | Reading 3  |                 | Reading 4  |                 | Reading 5  |                 | Reading 6  |                 | Reading 7  |                 |
|           | 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     | 800        | 0.0             | 850        | 0.0             | 1000       | 0.0             | 1058       | 0.0             | 1203       | 0.0             | 1300       | 0.0             | 1500       | 0.0             |
| SAM-2     | 811        | 0.0             | 900        | 0.0             | 1010       | 0.0             | 1109       | 0.0             | 1215       | 0.0             | 1312       | 0.0             | 1511       | 0.0             |
| SAM-3     | 808        | 0.0             | 857        | 0.0             | 1007       | 0.0             | 1104       | 0.0             | 1210       | 0.0             | 1307       | 0.0             | 1508       | 0.0             |
| SAM-4     | 804        | 0.0             | 854        | 0.0             | 1004       | 0.0             | 1100       | 0.0             | 1206       | 0.0             | 1304       | 0.0             | 1503       | 0.0             |
| IMPL-A    | 812        | 0.0             | 901        | 0.0             | 1011       | 0.0             | 1110       | 0.0             | 1216       | 0.0             | 1313       | 0.0             | 1512       | 0.0             |
| IMPL-B    | 813        | 0.0             | 902        | 0.0             | 1012       | 0.0             | 1111       | 0.0             | 1217       | 0.0             | 1314       | 0.0             | 1513       | 0.0             |
| IMPL-C    | 814        | 0.0             | 903        | 0.0             | 1013       | 0.0             | 1112       | 0.0             | 1218       | 0.0             | 1315       | 0.0             | 1514       | 0.0             |
| IMPL-D    | 815        | 0.0             | 904        | 0.0             | 1014       | 0.0             | 1113       | 0.0             | 1219       | 0.0             | 1316       | 0.0             | 1515       | 0.0             |
| IMPL-E    | 816        | 0.0             | 905        | 0.0             | 1015       | 0.0             | 1114       | 0.0             | 1220       | 0.0             | 1317       | 0.0             | 1516       | 0.0             |
| IMPL-F    | 817        | 0.0             | 906        | 0.0             | 1016       | 0.0             | 1115       | 0.0             | 1221       | 0.0             | 1318       | 0.0             | 1517       | 0.0             |
| IMPL-G    | 818        | 0.0             | 907        | 0.0             | 1017       | 0.0             | 1116       | 0.0             | 1222       | 0.0             | 1319       | 0.0             | 1518       | 0.0             |
| IMPL-H    | 820        | 0.0             | 908        | 0.0             | 1018       | 0.0             | 1117       | 0.0             | 1223       | 0.0             | 1320       | 0.0             | 1519       | 0.0             |
| IMPL-I    | 821        | 0.0             | 910        | 0.0             | 1019       | 0.0             | 1118       | 0.0             | 1224       | 0.0             | 1321       | 0.0             | 1520       | 0.0             |
| IMPL-J    | 822        | 0.0             | 911        | 0.0             | 1020       | 0.0             | 1119       | 0.0             | 1225       | 0.0             | 1322       | 0.0             | 1521       | 0.0             |
| IMPL-K    | 823        | 0.0             | 912        | 0.0             | 1021       | 0.0             | 1120       | 0.0             | 1226       | 0.0             | 1323       | 0.0             | 1522       | 0.0             |
| IMPL-L    | 824        | 0.0             | 913        | 0.0             | 1022       | 0.0             | 1121       | 0.0             | 1227       | 0.0             | 1324       | 0.0             | 1523       | 0.0             |

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

Appendix A: Complete Preliminary Data Record

| 1/7/2022  |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |
|-----------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| Site Name | Reading 1  |                 | Reading 2  |                 | Reading 3  |                 | Reading 4  |                 | Reading 5  |                 | Reading 6  |                 | Reading 7  |                 | Reading 8  |                 |
|           | 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     | 710        | 0.0             | 801        | 0.0             | 900        | 0.0             | 1030       | 0.0             | 1200       | 0.0             | 1400       | 0.0             | 1500       | 0.0             | 1600       | 0.0             |
| SAM-2     | 721        | 0.0             | 811        | 0.0             | 910        | 0.0             | 1042       | 0.0             | 1211       | 0.0             | 1411       | 0.0             | 1510       | 0.0             | 1610       | 0.0             |
| SAM-3     | 717        | 0.0             | 808        | 0.0             | 906        | 0.0             | 1039       | 0.0             | 1207       | 0.0             | 1407       | 0.0             | 1507       | 0.0             | 1606       | 0.0             |
| SAM-4     | 714        | 0.0             | 804        | 0.0             | 903        | 0.0             | 1034       | 0.0             | 1204       | 0.0             | 1404       | 0.0             | 1504       | 0.0             | 1603       | 0.0             |
| IMPL-A    | 722        | 0.0             | 812        | 0.0             | 911        | 0.0             | 1043       | 0.0             | 1212       | 0.0             | 1412       | 0.0             | 1511       | 0.0             | 1611       | 0.0             |
| IMPL-B    | 723        | 0.0             | 813        | 0.0             | 912        | 0.0             | 1044       | 0.0             | 1213       | 0.0             | 1413       | 0.0             | 1512       | 0.0             | 1612       | 0.0             |
| IMPL-C    | 724        | 0.0             | 814        | 0.0             | 913        | 0.0             | 1045       | 0.0             | 1214       | 0.0             | 1414       | 0.0             | 1513       | 0.0             | 1613       | 0.0             |
| IMPL-D    | 725        | 0.0             | 815        | 0.0             | 914        | 0.0             | 1046       | 0.0             | 1215       | 0.0             | 1415       | 0.0             | 1514       | 0.0             | 1614       | 0.0             |
| IMPL-E    | 726        | 0.0             | 816        | 0.0             | 915        | 0.0             | 1047       | 0.0             | 1216       | 0.0             | 1416       | 0.0             | 1515       | 0.0             | 1615       | 0.0             |
| IMPL-F    | 727        | 0.0             | 817        | 0.0             | 916        | 0.0             | 1048       | 0.0             | 1217       | 0.0             | 1417       | 0.0             | 1516       | 0.0             | 1616       | 0.0             |
| IMPL-G    | 728        | 0.0             | 818        | 0.0             | 917        | 0.0             | 1049       | 0.0             | 1218       | 0.0             | 1418       | 0.0             | 1517       | 0.0             | 1617       | 0.0             |
| IMPL-H    | 729        | 0.0             | 819        | 0.0             | 918        | 0.0             | 1050       | 0.0             | 1219       | 0.0             | 1419       | 0.0             | 1518       | 0.0             | 1618       | 0.0             |
| IMPL-I    | 730        | 0.0             | 820        | 0.0             | 919        | 0.0             | 1051       | 0.0             | 1220       | 0.0             | 1420       | 0.0             | 1519       | 0.0             | 1619       | 0.0             |
| IMPL-J    | 731        | 0.0             | 821        | 0.0             | 920        | 0.0             | 1052       | 0.0             | 1221       | 0.0             | 1421       | 0.0             | 1520       | 0.0             | 1620       | 0.0             |
| IMPL-K    | 732        | 0.0             | 822        | 0.0             | 921        | 0.0             | 1053       | 0.0             | 1222       | 0.0             | 1422       | 0.0             | 1521       | 0.0             | 1621       | 0.0             |
| IMPL-L    | 733        | 0.0             | 823        | 0.0             | 922        | 0.0             | 1054       | 0.0             | 1223       | 0.0             | 1423       | 0.0             | 1523       | 0.0             | 1622       | 0.0             |

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

| 1/10/2022 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |
|-----------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| Site Name | Reading 1  |                 | Reading 2  |                 | Reading 3  |                 | Reading 4  |                 | Reading 5  |                 | Reading 6  |                 | Reading 7  |                 | Reading 8  |                 |
|           | 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     | 730        | 0.0             | 830        | 0.0             | 1030       | 0.0             | 1130       | 0.0             | 1230       | 0.0             | 1330       | 0.0             | 1500       | 0.0             | 1600       | 0.0             |
| SAM-2     | 740        | 0.0             | 839        | 0.0             | 1039       | 0.0             | 1145       | 0.0             | 1239       | 0.0             | 1339       | 0.0             | 1512       | 0.0             | 1611       | 0.0             |
| SAM-3     | 736        | 0.0             | 835        | 0.0             | 1036       | 0.0             | 1139       | 0.0             | 1236       | 0.0             | 1336       | 0.0             | 1507       | 0.0             | 1607       | 0.0             |
| SAM-4     | 734        | 0.0             | 833        | 0.0             | 1034       | 0.0             | 1134       | 0.0             | 1234       | 0.0             | 1334       | 0.0             | 1504       | 0.0             | 1603       | 0.0             |
| IMPL-A    | 741        | 0.0             | 840        | 0.0             | 1040       | 0.0             | 1146       | 0.0             | 1240       | 0.0             | 1340       | 0.0             | 1513       | 0.0             | 1612       | 0.0             |
| IMPL-B    | 742        | 0.0             | 841        | 0.0             | 1041       | 0.0             | 1147       | 0.0             | 1241       | 0.0             | 1341       | 0.0             | 1514       | 0.0             | 1613       | 0.0             |
| IMPL-C    | 743        | 0.0             | 842        | 0.0             | 1042       | 0.0             | 1148       | 0.0             | 1243       | 0.0             | 1342       | 0.0             | 1515       | 0.0             | 1615       | 0.0             |
| IMPL-D    | 744        | 0.0             | 843        | 0.0             | 1043       | 0.0             | 1149       | 0.0             | 1244       | 0.0             | 1343       | 0.0             | 1516       | 0.0             | 1616       | 0.0             |
| IMPL-E    | 745        | 0.0             | 844        | 0.0             | 1044       | 0.0             | 1150       | 0.0             | 1245       | 0.0             | 1344       | 0.0             | 1518       | 0.0             | 1617       | 0.0             |
| IMPL-F    | 746        | 0.0             | 845        | 0.0             | 1045       | 0.0             | 1151       | 0.0             | 1246       | 0.0             | 1345       | 0.0             | 1519       | 0.0             | 1618       | 0.0             |
| IMPL-G    | 748        | 0.0             | 856        | 0.0             | 1046       | 0.0             | 1152       | 0.0             | 1247       | 0.0             | 1346       | 0.0             | 1520       | 0.0             | 1619       | 0.0             |
| IMPL-H    | 749        | 0.0             | 857        | 0.0             | 1047       | 0.0             | 1153       | 0.0             | 1248       | 0.0             | 1347       | 0.0             | 1521       | 0.0             | 1620       | 0.0             |
| IMPL-I    | 750        | 0.0             | 857        | 0.0             | 1048       | 0.0             | 1154       | 0.0             | 1249       | 0.0             | 1348       | 0.0             | 1522       | 0.0             | 1621       | 0.0             |
| IMPL-J    | 752        | 0.0             | 858        | 0.0             | 1049       | 0.0             | 1155       | 0.0             | 1250       | 0.0             | 1349       | 0.0             | 1523       | 0.0             | 1622       | 0.0             |
| IMPL-K    | 753        | 0.0             | 859        | 0.0             | 1050       | 0.0             | 1156       | 0.0             | 1251       | 0.0             | 1351       | 0.0             | 1525       | 0.0             | 1623       | 0.0             |
| IMPL-L    | 754        | 0.0             | 900        | 0.0             | 1052       | 0.0             | 1157       | 0.0             | 1252       | 0.0             | 1352       | 0.0             | 1526       | 0.0             | 1624       | 0.0             |

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

| 1/11/2022 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |            |                 |
|-----------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|
| Site Name | Reading 1  |                 | Reading 2  |                 | Reading 3  |                 | Reading 4  |                 | Reading 5  |                 | Reading 6  |                 | Reading 7  |                 | Reading 8  |                 | Reading 9  |                 |
|           | 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     | 730        | 0.0             | 830        | 0.0             | 931        | 0.0             | 1030       | 0.0             | 1129       | 0.0             | 1230       | 0.0             | 1330       | 0.0             | 1500       | 0.0             | 1600       | 0.0             |
| SAM-2     | 743        | 0.0             | 839        | 0.0             | 940        | 0.0             | 1042       | 0.0             | 1138       | 0.0             | 1241       | 0.0             | 1340       | 0.0             | 1509       | 0.0             | 1611       | 0.0             |
| SAM-3     | 739        | 0.0             | 835        | 0.0             | 936        | 0.0             | 1036       | 0.0             | 1134       | 0.0             | 1236       | 0.0             | 1335       | 0.0             | 1505       | 0.0             | 1606       | 0.0             |
| SAM-4     | 736        | 0.0             | 832        | 0.0             | 934        | 0.0             | 1033       | 0.0             | 1131       | 0.0             | 1233       | 0.0             | 1333       | 0.0             | 1502       | 0.0             | 1603       | 0.0             |
| IMPL-A    | 744        | 0.0             | 840        | 0.0             | 941        | 0.0             | 1043       | 0.0             | 1139       | 0.0             | 1242       | 0.0             | 1341       | 0.0             | 1510       | 0.0             | 1612       | 0.0             |
| IMPL-B    | 745        | 0.0             | 841        | 0.0             | 942        | 0.0             | 1044       | 0.0             | 1140       | 0.0             | 1243       | 0.0             | 1342       | 0.0             | 1511       | 0.0             | 1613       | 0.0             |
| IMPL-C    | 746        | 0.0             | 842        | 0.0             | 943        | 0.0             | 1045       | 0.0             | 1141       | 0.0             | 1244       | 0.0             | 1343       | 0.0             | 1512       | 0.0             | 1614       | 0.0             |
| IMPL-D    | 747        | 0.0             | 843        | 0.0             | 944        | 0.0             | 1046       | 0.0             | 1142       | 0.0             | 1245       | 0.0             | 1344       | 0.0             | 1513       | 0.0             | 1615       | 0.0             |
| IMPL-E    | 748        | 0.0             | 844        | 0.0             | 945        | 0.0             | 1047       | 0.0             | 1143       | 0.0             | 1246       | 0.0             | 1345       | 0.0             | 1514       | 0.0             | 1616       | 0.0             |
| IMPL-F    | 749        | 0.0             | 845        | 0.0             | 946        | 0.0             | 1048       | 0.0             | 1144       | 0.0             | 1247       | 0.0             | 1346       | 0.0             | 1515       | 0.0             | 1617       | 0.0             |
| IMPL-G    | 750        | 0.0             | 846        | 0.0             | 947        | 0.0             | 1049       | 0.0             | 1145       | 0.0             | 1248       | 0.0             | 1347       | 0.0             | 1516       | 0.0             | 1618       | 0.0             |
| IMPL-H    | 751        | 0.0             | 847        | 0.0             | 948        | 0.0             | 1051       | 0.0             | 1146       | 0.0             | 1249       | 0.0             | 1348       | 0.0             | 1517       | 0.0             | 1619       | 0.0             |
| IMPL-I    | 752        | 0.0             | 848        | 0.0             | 949        | 0.0             | 1052       | 0.0             | 1147       | 0.0             | 1250       | 0.0             | 1349       | 0.0             | 1518       | 0.0             | 1620       | 0.0             |
| IMPL-J    | 753        | 0.0             | 849        | 0.0             | 951        | 0.0             | 1053       | 0.0             | 1148       | 0.0             | 1251       | 0.0             | 1350       | 0.0             | 1519       | 0.0             | 1622       | 0.0             |
| IMPL-K    | 754        | 0.0             | 850        | 0.0             | 952        | 0.0             | 1054       | 0.0             | 1149       | 0.0             | 1252       | 0.0             | 1351       | 0.0             | 1520       | 0.0             | 1623       | 0.0             |
| IMPL-L    | 755        | 0.0             | 851        | 0.0             | 953        | 0.0             | 1055       | 0.0             | 1150       | 0.0             | 1254       | 0.0             | 1352       | 0.0             | 1521       | 0.0             | 1624       | 0.0             |

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

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