

# Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using EPA AreaRAE Pro and DustTrak DRX instruments.

**Project Name:** Rockton Chemtool Fire ER  
**Date/Time:** 06/16/21 15:57 to 06/17/21 06:27

**Weather**  
**Temperature:** 53°, high of 82°  
**Wind Speed:** 0 - 5 miles per hour  
**Wind Direction:** East/Southeast  
 Partly Cloudy

| Station 1: Roscoe Middle School |  |   |   |                          |                                   |                               |
|---------------------------------|--|---|---|--------------------------|-----------------------------------|-------------------------------|
| Instrument                      | Analyte                                | Chemtool Public Health Screening Level <sup>1</sup> | Public Health Screening Level Exceeded? | Number of 1-Hour Periods | 1-Hour Period Concentration Range | Average of All 1-Hour Periods |
| DustTrak 206                    | PM <sub>2.5</sub> (mg/m <sup>3</sup> ) | 0.025 mg/m <sup>3</sup>                             | No                                      | 11                       | 0.005 to 0.009                    | 0.007                         |
|                                 | PM <sub>10</sub> (mg/m <sup>3</sup> )  | 0.05 mg/m <sup>3</sup>                              | No                                      | 11                       | 0.006 to 0.010                    | 0.007                         |
| AreaRAE 2 (S/N: 0641)           | VOC (ppm)                              | 1 ppm   | No                                      | 12                       | 0.5 to 0.6                        | 0.6                           |
|                                 | CO (ppm)                               | --  | No                                      | 12                       | 0.0 to 0.0                        | 0.0                           |
|                                 | O <sub>2</sub> (%)                     | --  | No                                      | 12                       | 21.4 to 21.7                      | 21.5                          |
|                                 | H <sub>2</sub> S (ppm)                 | 0.1 mg/m <sup>3</sup>                               | No                                      | 12                       | 0.0 to 0.0                        | 0.0                           |

| Station 4: Corner of Union and Ferry |  |   |   |                          |                                   |                               |
|--------------------------------------|--|---|---|--------------------------|-----------------------------------|-------------------------------|
| Instrument                           | Analyte                                | Chemtool Public Health Screening Level <sup>1</sup> | Public Health Screening Level Exceeded? | Number of 1-Hour Periods | 1-Hour Period Concentration Range | Average of All 1-Hour Periods |
| DustTrak 200                         | PM <sub>2.5</sub> (mg/m <sup>3</sup> ) | 0.025 mg/m <sup>3</sup>                             | No                                      | 9                        | 0.002 to 0.009                    | 0.004                         |
|                                      | PM <sub>10</sub> (mg/m <sup>3</sup> )  | 0.05 mg/m <sup>3</sup>                              | No                                      | 9                        | 0.002 to 0.009                    | 0.005                         |
| AreaRAE 2 (S/N: 2172)                | VOC (ppm)                              | 1 ppm   | No                                      | 12                       | 0.0 to 0.3                        | 0.1                           |
|                                      | CO (ppm)                               | --  | No                                      | 12                       | 0.0 to 0.0                        | 0.0                           |
|                                      | O <sub>2</sub> (%)                     | --  | No                                      | 12                       | 20.9 to 22.5                      | 21.5                          |
|                                      | H <sub>2</sub> S (ppm)                 | 0.1 mg/m <sup>3</sup>                               | No                                      | 12                       | 0.0 to 0.0                        | 0.0                           |

| Station 5: Stand alone area near stop sign on Chapel and Bridge St |                        |   |   |                          |                                   |                               |
|--|------------------------|---|---|--------------------------|-----------------------------------|-------------------------------|
| Instrument   | Analyte                | Chemtool Public Health Screening Level <sup>1</sup> | Public Health Screening Level Exceeded? | Number of 1-Hour Periods | 1-Hour Period Concentration Range | Average of All 1-Hour Periods |
| AreaRAE 2 (S/N: 0640)  | VOC (ppm)              | 1 ppm   | No                                      | 12                       | 0.0 to 0.2                        | 0.1                           |
|  | CO (ppm)               | --  | No                                      | 12                       | 0.0 to 0.0                        | 0.0                           |
|  | O <sub>2</sub> (%)     | --  | No                                      | 12                       | 20.5 to 22.0                      | 21.0                          |
|  | H <sub>2</sub> S (ppm) | 0.1 mg/m <sup>3</sup>                               | No                                      | 12                       | 0.0 to 0.0                        | 0.0                           |

| Station 6: Corner of Union and Ferry |  |   |   |                          |                                   |                               |
|--------------------------------------|--|---|---|--------------------------|-----------------------------------|-------------------------------|
| Instrument                           | Analyte                                | Chemtool Public Health Screening Level <sup>1</sup> | Public Health Screening Level Exceeded? | Number of 1-Hour Periods | 1-Hour Period Concentration Range | Average of All 1-Hour Periods |
| DustTrak 212                         | PM <sub>2.5</sub> (mg/m <sup>3</sup> ) | 0.025 mg/m <sup>3</sup>                             | No                                      | 11                       | 0.003 to 0.007                    | 0.005                         |
|                                      | PM <sub>10</sub> (mg/m <sup>3</sup> )  | 0.05 mg/m <sup>3</sup>                              | No                                      | 11                       | 0.003 to 0.007                    | 0.005                         |
| AreaRAE 2 (S/N: 0643)                | VOC (ppm)                              | 1 ppm   | No                                      | 11                       | 0.3 to 0.4                        | 0.3                           |
|                                      | CO (ppm)                               | --  | No                                      | 11                       | 0.0 to 2.6                        | 0.4                           |
|                                      | O <sub>2</sub> (%)                     | --  | No                                      | 11                       | 20.3 to 22.1                      | 20.7                          |
|                                      | H <sub>2</sub> S (ppm)                 | 0.1 mg/m <sup>3</sup>                               | No                                      | 11                       | 0.0 to 0.0                        | 0.0                           |

| Station 7: Trading Post Trail and Indian Trail |  |   |   |                          |                                   |                               |
|--|--|---|---|--------------------------|-----------------------------------|-------------------------------|
| Instrument                                     | Analyte                                | Chemtool Public Health Screening Level <sup>1</sup> | Public Health Screening Level Exceeded? | Number of 1-Hour Periods | 1-Hour Period Concentration Range | Average of All 1-Hour Periods |
| DustTrak 205                                   | PM <sub>2.5</sub> (mg/m <sup>3</sup> ) | 0.025 mg/m <sup>3</sup>                             | No                                      | 12                       | 0.003 to 0.008                    | 0.006                         |
|  | PM <sub>10</sub> (mg/m <sup>3</sup> )  | 0.05 mg/m <sup>3</sup>                              | No                                      | 12                       | 0.003 to 0.009                    | 0.006                         |
| AreaRAE 2 (S/N: 2168)                          | VOC (ppm)                              | 1 ppm   | No                                      | 13                       | 0.0 to 0.0                        | 0.0                           |
|  | CO (ppm)                               | --  | No                                      | 13                       | 0.0 to 3.1                        | 0.7                           |
|  | O <sub>2</sub> (%)                     | --  | No                                      | 13                       | 20.2 to 30.0 *                    | 24.4 *                        |
|  | H <sub>2</sub> S (ppm)                 | 0.1 mg/m <sup>3</sup>                               | No                                      | 13                       | 0.0 to 0.0                        | 0.0                           |

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## Weather

**Temperature:** 53°, high of 82°  
**Wind Speed:** 0 - 5 miles per hour  
**Wind Direction:** East/Southeast  
 Partly Cloudy

| Station 8: Corner of School and River Street |  |   |   |                          |                                   |                               |
|--|--|---|---|--------------------------|-----------------------------------|-------------------------------|
| Instrument                                   | Analyte                                | Chemtool Public Health Screening Level <sup>1</sup> | Public Health Screening Level Exceeded? | Number of 1-Hour Periods | 1-Hour Period Concentration Range | Average of All 1-Hour Periods |
| DustTrak 203                                 | PM <sub>2.5</sub> (mg/m <sup>3</sup> ) | 0.025 mg/m <sup>3</sup>                             | No                                      | 11                       | 0.004 to 0.005                    | 0.005                         |
|  | PM <sub>10</sub> (mg/m <sup>3</sup> )  | 0.05 mg/m <sup>3</sup>                              | No                                      | 11                       | 0.004 to 0.087                    | 0.012                         |
| AreaRAE 2 (S/N: 2169)                        | VOC (ppm)                              | 1 ppm   | No                                      | 11                       | 0.0 to 0.0                        | 0.0                           |
|  | CO (ppm)                               | --  | No                                      | 11                       | 0.0 to 3.9                        | 0.6                           |
|  | O <sub>2</sub> (%)                     | --  | No                                      | 11                       | 20.9 to 21.9                      | 21.3                          |
|  | H <sub>2</sub> S (ppm)                 | 0.1 mg/m <sup>3</sup>                               | No                                      | 11                       | 0.0 to 0.0                        | 0.0                           |

| Station 9: Uphill on School St |                        |   |   |                          |                                   |                               |
|--------------------------------|------------------------|---|---|--------------------------|-----------------------------------|-------------------------------|
| Instrument                     | Analyte                | Chemtool Public Health Screening Level <sup>1</sup> | Public Health Screening Level Exceeded? | Number of 1-Hour Periods | 1-Hour Period Concentration Range | Average of All 1-Hour Periods |
| AreaRAE 2 (S/N: 2170)          | VOC (ppm)              | 1 ppm   | No                                      | 11                       | 0.0 to 50.2                       | 26.8                          |
|                                | CO (ppm)               | --  | No                                      | 11                       | 0.0 to 1.6                        | 0.1                           |
|                                | O <sub>2</sub> (%)     | --  | No                                      | 11                       | 0.0 to 20.7 *                     | 11.6 *                        |
|                                | H <sub>2</sub> S (ppm) | 0.1 mg/m <sup>3</sup>                               | No                                      | 11                       | 0.0 to 0.0                        | 0.0                           |

| Station 10: Rockton Fairgrounds |  |   |   |                          |                                   |                               |
|---------------------------------|--|---|---|--------------------------|-----------------------------------|-------------------------------|
| Instrument                      | Analyte                                | Chemtool Public Health Screening Level <sup>1</sup> | Public Health Screening Level Exceeded? | Number of 1-Hour Periods | 1-Hour Period Concentration Range | Average of All 1-Hour Periods |
| DustTrak (S/N: 3913)            | PM <sub>2.5</sub> (mg/m <sup>3</sup> ) | 0.025 mg/m <sup>3</sup>                             | No                                      | 13                       | 0.004 to 0.006                    | 0.005                         |
|                                 | PM <sub>10</sub> (mg/m <sup>3</sup> )  | 0.05 mg/m <sup>3</sup>                              | No                                      | 13                       | 0.004 to 0.007                    | 0.005                         |
| AreaRAE 2 (S/N: 0642)           | VOC (ppm)                              | 1 ppm   | No                                      | 13                       | 0.0 to 0.1                        | 0.0                           |
|                                 | CO (ppm)                               | --  | No                                      | 13                       | 0.0 to 0.0                        | 0.0                           |
|                                 | O <sub>2</sub> (%)                     | --  | No                                      | 13                       | 20.3 to 20.9                      | 20.6                          |
|                                 | H <sub>2</sub> S (ppm)                 | 0.1 mg/m <sup>3</sup>                               | No                                      | 13                       | 0.0 to 0.0                        | 0.0                           |

\* - Oxygen sensor experienced sensor drift. Oxygen level of approximately 20.9% verified by mobile MultiRAE Pro monitoring.

| Comments   |
|--|
| Air monitoring measurements have been averaged over a 1-hour time period and summarized above.   |
| Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units. |
| 1 - Chemtool Public Health Screening Levels are based on 1-hour time-weighted averages and were established by ATSDR   |

## Notes:

CO - Carbon Monoxide  
 H<sub>2</sub>S - Hydrogen Sulfide  
 O<sub>2</sub> - Oxygen  
 ppm - Parts per million  
 VOC - Volatile organic compounds

