

# 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 04:46 to 06/16/21 17:50

**Weather**  
**Temperature:** 57°, high of 82°  
**Wind Speed:** 6 miles per hour  
**Wind Direction:** Southeast  
**Conditions:** Clear

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	13	0.008 to 0.014	0.010
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	13	0.009 to 0.015	0.011
AreaRAE 2 (S/N: 0641)	VOC (ppm)	1 ppm	No	12	0.4 to 0.5	0.5
	CO (ppm)	--	No	12	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	12	21.4 to 21.6	21.4
	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	13	0.003 to 0.013	0.008
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	13	0.004 to 0.013	0.008
AreaRAE 2 (S/N: 2172)	VOC (ppm)	1 ppm	No	13	0.0 to 0.2	0.1
	CO (ppm)	--	No	13	0.0 to 0.1	0.0
	O <sub>2</sub> (%)	--	No	13	19.7 to 22.8	21.6
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	13	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	21	0.1 to 0.3	0.2
	CO (ppm)	--	No	21	0.0 to 0.4	0.0
	O <sub>2</sub> (%)	--	No	21	19.9 to 21.1	20.5
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	21	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>	Yes (3)	20	0.003 to 0.110	0.015
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	Yes (2)	20	0.003 to 0.111	0.015
AreaRAE 2 (S/N: 0643)	VOC (ppm)	1 ppm	No	23	0.0 to 0.4	0.3
	CO (ppm)	--	No	23	0.0 to 1.0	0.1
	O <sub>2</sub> (%)	--	No	23	20.9 to 21.9	21.1
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	23	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>	Yes (2)	14	0.000 to 0.068	0.013
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	Yes (2)	14	0.000 to 0.068	0.014
AreaRAE 2 (S/N: 2168)	VOC (ppm)	1 ppm	No	21	0.0 to 0.5	0.1
	CO (ppm)	--	No	21	0.0 to 3.2	0.5
	O <sub>2</sub> (%)	--	No	21	19.4 to 30.0	25.0
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	21	0.0 to 0.0	0.0

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**Wind Direction:** Southeast  
**Conditions:** Clear

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	0.003 to 0.008	0.005
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	11	0.003 to 0.009	0.005
AreaRAE 2 (S/N: 2169)	VOC (ppm)	1 ppm	No	13	0.0 to 0.0	0.0
	CO (ppm)	--	No	13	0.0 to 5.2	1.7
	O <sub>2</sub> (%)	--	No	13	21.3 to 21.9	21.6
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	13	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	13	0.0 to 0.1	0.0
	CO (ppm)	--	No	13	0.0 to 2.7	0.2
	O <sub>2</sub> (%)	--	No	13	0.0 to 27.3	5.6
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	13	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	4	0.005 to 0.006	0.005
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	4	0.005 to 0.006	0.005
AreaRAE 2 (S/N: 0642)	VOC (ppm)	1 ppm	No	8	0.0 to 0.0	0.0
	CO (ppm)	--	No	8	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	8	19.9 to 20.0	20.0
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	8	0.0 to 0.0	0.0

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  
H2S - Hydrogen Sulfide  
O2 - Oxygen  
ppm - Parts per million  
VOC - Volatile organic compounds

