

# Air Monitoring Summary Tables: Evacuation Zone

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:** 06/19/21 05:00 to 06/19/21 18:02

## Weather

**Temperature:** high of 87°F, low of 60°F  
**Wind Speed:** 5 to 10 miles per hour  
**Wind Direction:** Northwest  
**Conditions:** Partly Cloudy

Fixed Station 13: North Residential - North						
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 Pro (S/N: 2411)	VOC (ppm)	1 ppm	No	8	0.00 to 0.00	0.00
	CO (ppm)	--	No	8	10.7 to 12.0	11.5
	O <sub>2</sub> (%)	--	No	8	20.4 to 20.9	20.5
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	8	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	8	0.0 to 0.0	0.0

Fixed Station 14: North Residential - East						
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 Pro (S/N: 2412)	VOC (ppm)	1 ppm	No	8	0.14 to 0.32	0.25
	CO (ppm)	--	No	8	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	8	20.9 to 21.2	21.0
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	8	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	8	0.0 to 0.0	0.0

Fixed Station 15: North Residential - South						
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 Pro (S/N: 2410)	VOC (ppm)	1 ppm	No	8	0.00 to 0.04	0.01
	CO (ppm)	--	No	8	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	8	20.0 to 20.5	20.2
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	8	0.0 to 0.0	0.0

Fixed Station 16: North Residential - West						
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 Pro (S/N: 2413)	VOC (ppm)	1 ppm	No	8	0.00 to 0.11	0.04
	CO (ppm)	--	No	8	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	8	20.3 to 23.2	21.5
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	8	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	8	0.0 to 0.0	0.0

# Air Monitoring Summary Tables: Evacuation Zone

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:** 06/19/21 05:00 to 06/19/21 18:02

## Weather

**Temperature:** high of 87°F, low of 60°F  
**Wind Speed:** 5 to 10 miles per hour  
**Wind Direction:** Northwest  
**Conditions:** Partly Cloudy

Fixed 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
<b>DustTrak</b> (S/N: 8533164304)	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	12	0.005 to 0.010	0.007
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	12	0.005 to 0.011	0.008
<b>AreaRAE Pro</b> (S/N: 2172)	VOC (ppm)	1 ppm	No	13	0.00 to 0.00	0.00
	CO (ppm)	--	No	13	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	13	19.9 to 20.4	20.1
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	13	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	13	0.0 to 0.0	0.0

Fixed 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
<b>AreaRAE Pro</b> (S/N: 0640)	VOC (ppm)	1 ppm	No	12	0.00 to 0.02	0.01
	CO (ppm)	--	No	12	0.0 to 0.0	0.0
	O <sub>2</sub> (%)	--	No	12	20.9 to 20.9	20.9
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	12	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	12	0.0 to 0.0	0.0

Fixed Station #6: Corner of Union and Chapel						
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
<b>DustTrak</b> (S/N: 8533153911)	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	9	0.001 to 0.015	0.008
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	9	0.002 to 0.015	0.008
<b>AreaRAE Pro</b> (S/N: 0643)	VOC (ppm)	1 ppm	No	10	0.00 to 0.00	0.00
	CO (ppm)	--	No	10	0.0 to 0.2	0.0
	O <sub>2</sub> (%)	--	No	10	20.9 to 22.0	21.3
	H <sub>2</sub> S (ppm)	0.1 mg/m <sup>3</sup>	No	10	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	10	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
<b>Notes:</b> CO - Carbon Monoxide H <sub>2</sub> S - Hydrogen Sulfide O <sub>2</sub> - Oxygen ppm - Parts per million VOC - Volatile organic compounds

## Air Monitoring Summary Tables: Evacuation Zone

The tables below summarize preliminary air monitoring data collected using Handheld DustTrak, SPM Flex, and MultiRAE Pro instruments.

**Date/Time:** 6/19/2021 6:45 to 6/19/2021 19:33

Station EZ-01: 1101-1159 Innovation Dr					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	10	0.000 to 0.000
	HCN	1 ppm	No	10	0.000 to 0.000
	VOC (ppm)	1 ppm	No	10	0.000 to 0.000
SPM Flex	MDI (ppb)	5 ppb	No	10	0.000 to 0.8
	SO <sub>2</sub> (ppb)	0.2 ppm	No	10	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	10	0.005 to 0.025
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	10	0.005 to 0.030

Station EZ-03: 860-998 N Prairie St					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	9	0.000 to 0.000
	HCN	1 ppm	No	9	0.000 to 0.000
	VOC (ppm)	1 ppm	No	9	0.000 to 0.000
SPM Flex	MDI (ppb)	5 ppb	No	9	0.000 to 0.7
	SO <sub>2</sub> (ppb)	0.2 ppm	No	9	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	9	0.005 to 0.010
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	9	0.005 to 0.015

Station EZ-05: 907-1099 Watts Ave					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	8	0.000 to 0.000
	HCN	1 ppm	No	8	0.000 to 0.000
	VOC (ppm)	1 ppm	No	8	0.000 to 0.400
SPM Flex	MDI (ppb)	5 ppb	No	8	0.000 to 0.7
	SO <sub>2</sub> (ppb)	0.2 ppm	No	8	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	9	0.010 to 0.010
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	Yes	7	0.010 to 0.150

Station EZ-06: 14632 S Bluff Rd					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	10	0.000 to 0.000
	HCN	1 ppm	No	10	0.000 to 0.000
	VOC (ppm)	1 ppm	No	10	0.000 to 0.000
SPM Flex	MDI (ppb)	5 ppb	No	10	0.000 to 0.800
	SO <sub>2</sub> (ppb)	0.2 ppm	No	10	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	10	0.005 to 0.012
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	10	0.005 to 0.014

Station EZ-07: 14728-14758 S Bluff Rd					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	9	0.000 to 0.000
	HCN	1 ppm	No	9	0.000 to 0.000
	VOC (ppm)	1 ppm	No	9	0.000 to 0.000
SPM Flex	MDI (ppb)	5 ppb	No	9	0.000 to 0.700
	SO <sub>2</sub> (ppb)	0.2 ppm	No	9	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	9	0.005 to 0.012
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	9	0.005 to 0.016

Station EZ-08: 1001-1199 Prairie Hill Rd					
Instrument	Analyte	Chemtool Public Health Screening Level <sup>1</sup>	Public Health Screening Level Exceeded?	Number of Measurements	Concentration Range
MultiRAE Pro	H <sub>2</sub> S (ppm)	0.1 ppm	No	9	0.000 to 0.000
	HCN	1 ppm	No	9	0.000 to 0.000
	VOC (ppm)	1 ppm	No	11	0.000 to 0.100
SPM Flex	MDI (ppb)	5 ppb	No	9	0.000 to 0.600
	SO <sub>2</sub> (ppb)	0.2 ppm	No	9	0.000 to 0.000
Handheld DustTrak	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>	No	9	0.005 to 0.010
	PM <sub>10</sub> (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>	No	9	0.005 to 0.015

Comments					
Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop					
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

MDI - Methylene diphenyl diisocyanate

PM<sub>2.5</sub> - particles that are 2.5 micrometers and smaller

PM<sub>10</sub> - particles that are 10 micrometers and smaller

ppm - Parts per million

VOC - Volatile organic compounds



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