

TABLE 1 - AIR MONITORING SUMMARY

Rockton Chemtool Fire
Rockton, Winnebago County, Illinois

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: 6/14/2021 13:10 to 6/15/2021 17:50

Weather

6/14/2021

Temperature: low of 59°, high of 84°

Wind Speed: 4 - 10 miles per hour

Wind Direction: Northeast

Conditions: Clear

6/15/2021

Temperature: low of 59°, high of 80.6°

Wind Speed: 5 - 12 miles per hour

Wind Direction: East/Northeast

Conditions: Clear

Station 1: Roscoe Middle School						
Instrument	Analyte	Chemtool Public Health Screening Level ¹	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
DustTrak 206	PM _{2.5} (mg/m ³)	0.025 mg/m ³	No	28	0.006 to 0.023	0.01
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	28	0.00 to 0.03	0.00
AreaRAE 2 (S/N: W01A00000641)	VOC (ppm)	1 ppm	No	28	0.4 to 0.6	0.5
	CO (ppm)	--	No	28	0.0 to 0.2	0.0
	O ₂ (%)	--	No	28	21.4 to 21.6	21.5
	H ₂ S (ppm)	0.1 mg/m ³	No	28	0.0 to 0.0	0.0

Station 2: Chemtool Facility						
Instrument	Analyte	Chemtool Public Health Screening Level ¹	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
DustTrak 203	PM _{2.5} (mg/m ³)	0.025 mg/m ³	Yes (8)	17	0.01 to 0.08	0.03
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	Yes (5)	17	0.01 to 0.09	0.03
AreaRae 1 (S/N: W01A00000642)	VOC (ppm)	1 ppm	No	27	0.0 to 0.2	0.1
	CO (ppm)	--	No	27	0.0 to 0.2	0.0
	O ₂ (%)	--	No	27	20.0 to 20.2	20.1
	H ₂ S (ppm)	0.1 mg/m ³	No	27	0.0 to 0.1	0.0
	LEL (%)	--	No	27	0.0 to 0.0	0.0

Station 3: Davis Junction IDOT Facility						
Instrument	Analyte	Chemtool Public Health Screening Level ¹	Public Health Screening Level Exceeded?	Number of 1-Hour Periods	1-Hour Period Concentration Range	Average of All 1-Hour Periods
DustTrak 212	PM _{2.5} (mg/m ³)	0.025 mg/m ³	No	5	0.00 to 0.01	0.01
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	5	0.00 to 0.01	0.01
AreaRAE 3 (S/N: W01A00000643)	VOC (ppm)	1 ppm	No	28	0.0 to 0.4	0.2
	CO (ppm)	--	No	28	0.0 to 0.1	0.0
	O ₂ (%)	--	No	28	20.9 to 21.5	21.1
	H ₂ S (ppm)	0.1 mg/m ³	No	28	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

