

Air Monitoring Summary Tables: Old Settlers Day Festival

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: 06/18/21 10:40 to 06/18/21 19:36

Weather

Temperature: 57.2°, high of 93.2°
Wind Speed: 6 - 16 miles per hour
Wind Direction: South/Southwest
Conditions: Mostly Cloudy

Roaming Data						
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	PM _{2.5} (mg/m ³)	0.025 mg/m ³	No	3	0.000 to 0.000	0.000
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	3	0.000 to 0.000	0.000

Station 12: Rockton Fairgrounds West						
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	PM _{2.5} (mg/m ³)	0.025 mg/m ³	No	5	0.004 to 0.012	0.007
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	5	0.004 to 0.012	0.007
AreaRAE Pro (S/N: 2168)	VOC (ppm)	1 ppm	No	5	0.00 to 0.00	0.07
	CO (ppm)	--	No	5	0.0 to 6.2	3.4
	O ₂ (%)	--	No	5	20.6 to 20.9	20.8
	H ₂ S (ppm)	0.1 mg/m ³	No	5	0.0 to 0.0	0.0

Station 11: Rockton Fairgrounds South						
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	PM _{2.5} (mg/m ³)	0.025 mg/m ³	No	5	0.002 to 0.008	0.004
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	5	0.003 to 0.009	0.004
AreaRAE Pro (S/N: 2169)	VOC (ppm)	1 ppm	No	6	0.00 to 0.00	0.00
	CO (ppm)	--	No	6	0.0 to 3.5	1.3
	O ₂ (%)	--	No	6	20.3 to 20.3	20.3
	H ₂ S (ppm)	0.1 mg/m ³	No	6	0.0 to 0.0	0.0

Station 10: Rockton Fairgrounds North						
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	PM _{2.5} (mg/m ³)	0.025 mg/m ³	No	10	0.000 to 0.013	0.005
	PM ₁₀ (mg/m ³)	0.05 mg/m ³	No	10	0.000 to 0.015	0.006
AreaRAE Pro (S/N: 0642)	VOC (ppm)	1 ppm	No	6	0.00 to 0.01	0.00
	CO (ppm)	--	No	6	0.0 to 2.3	0.5
	O ₂ (%)	--	No	6	20.3 to 21.2	20.7
	H ₂ S (ppm)	0.1 mg/m ³	No	6	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

