

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: 11/16/18
20:00

To: 11/17/18
7:59



Location 1							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
Area Rae 1	VOC	No	13,260	13,246	0.6 - 4.5 ppm	2.8 ppm	1 ppm
	CO	No	4,508	1,210	0 - 10 ppm	0.3 ppm	83 ppm
	H ₂ S	No	13,236	9,986	0 - 0.2 ppm	0.1 ppm	0.5 ppm
	O ₂	No	4,508	4,468	19.7 - 20.3%	20%	<19.5 or >23%
	LEL	No	4,508	0	0 - 0%	0%	10%
DustTrack 1	PM-2.5	Unhealthy for Sensitive Populations	13,378	13,378	3 - 203 µg/m ³	41.2 µg/m ³	See SOG #: T106

Location 2							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
Area Rae 2	VOC	No	10,412	0	0 - 0 ppm	0 ppm	1 ppm
	CO	No	3,484	377	0 - 1.2 ppm	0 ppm	83 ppm
	H ₂ S	No	10,394	0	0 - 0 ppm	0 ppm	0.5 ppm
	O ₂	No	3,484	3,443	20.4 - 21.6%	20.7%	<19.5 or >23%
	LEL	No	3,484	0	0 - 0 %	0%	10%
DustTrack 2	PM-2.5	Moderate	11,872	11,872	1 - 708 µg/m ³	20 µg/m ³	See SOG #: T106

Location 3							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
Area Rae 3	VOC	No	11,822	0	0 - 0 ppm	0 ppm	1 ppm
	CO	No	3,954	3,615	0 - 6 ppm	0.8 ppm	83 ppm
	H ₂ S	No	11,798	7,871	0 - 0.2 ppm	0.1 ppm	0.5 ppm
	O ₂	No	3,954	3,912	20.6 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	3,954	0	0 - 0%	0%	10%
DustTrack 3	PM-2.5	Good	2,403	765	0 - 83 µg/m ³	3.4 µg/m ³	See SOG #: T106

Notes:

% Percent

< Less than

> Greater than

AEGL Acute Exposure Guideline levels for airborne chemicals

CO Carbon monoxide

H₂S Hydrogen Sulfide

LEL Lower Explosive Level

min Minute

O₂ Oxygen

PEL Permissible exposure limit

ppm Part per million

PM Particulate matter

SOG Standard Operating Guidelines

TLV Threshold limit value

µg/m³ Micrograms per cubic meter

VOC Volatile organic compound