

Air Monitoring Summary Tables

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

Project Name:

From: 11/17/18
8:00

To: 11/17/18
19:59



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	13,308	8,852	0 - 4.5 ppm	0.8 ppm	1 ppm
	CO	No	4,466	705	0 - 7.3 ppm	0.1 ppm	83 ppm
	H ₂ S	No	13,296	2,975	0 - 0.2 ppm	0 ppm	0.5 ppm
	O ₂	No	4,466	4,430	19.8 - 21.7%	21.4%	<19.5 or >23%
	LEL	No	4,466	0	0 - 0%	0%	10%
DustTrak 1	PM-2.5	Unhealthy for Sensitive Populations	13,416	13,416	6 - 81 µg/m ³	24.7 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	15,964	12	0 - 5.1 ppm	0 ppm	1 ppm
	CO	No	5,338	2,988	0 - 6 ppm	0.4 ppm	83 ppm
	H ₂ S	No	15,944	0	0 - 0 ppm	0 ppm	0.5 ppm
	O ₂	No	5,338	5,291	20.3 - 21.4%	20.7%	<19.5 or >23%
	LEL	No	5,338	0	0 - 0 %	0%	10%
DustTrak 2	PM-2.5	Moderate	14,845	14,842	0 - 245 µg/m ³	26.7 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	14,570	36	0 - 0.3 ppm	0 ppm	1 ppm
	CO	No	4,866	4,106	0 - 15.2 ppm	1.6 ppm	83 ppm
	H ₂ S	No	14,544	3,006	0 - 0.2 ppm	0 ppm	0.5 ppm
	O ₂	No	4,866	4,825	21.3 - 22.1%	21.7%	<19.5 or >23%
	LEL	No	4,866	0	0 - 0%	0%	10%
DustTrak 3	PM-2.5	Good	24,853	24,853	2 - 180 µg/m ³	13.7 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