

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
10:10

To: 11/16/18
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	10,276	9,765	0 - 2.4 ppm	0.8 ppm	1 ppm
	CO	No	3,456	1,392	0 - 11.1 ppm	0.6 ppm	83 ppm
	H ₂ S	No	10,272	210	0 - 0.1 ppm	0 ppm	0.5 ppm
	O ₂	No	3,456	3,435	20.2 - 20.9%	20.5%	<19.5 or >23%
	LEL	No	3,456	0	0 - 0%	0%	10%
DustTrak 1	PM-2.5	Unhealthy for Sensitive Populations	10,985	10,970	0 - 120 µg/m ³	36.4 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	10,386	3	0 - 0.1 ppm	0 ppm	1 ppm
	CO	No	3,480	451	0 - 2 ppm	0 ppm	83 ppm
	H ₂ S	No	10,378	0	0 - 0 ppm	0 ppm	0.5 ppm
	O ₂	No	3,480	3,461	20.5 - 21.6%	20.9%	<19.5 or >23%
	LEL	No	3,480	0	0 - 0 %	0%	10%
DustTrak 2	PM-2.5	Moderate	5,517	5,517	2 - 78 µg/m ³	13.5 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	8,749	9	0 - 0.1 ppm	0 ppm	1 ppm
	CO	No	2,931	2,050	0 - 6.2 ppm	0.6 ppm	83 ppm
	H ₂ S	No	8,739	135	0 - 0.1 ppm	0 ppm	0.5 ppm
	O ₂	No	2,931	2,911	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	2,931	0	0 - 0%	0%	10%
DustTrak 3	PM-2.5	Good	8,823	8,823	7 - 57 µg/m ³	9.3 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