

Air Monitoring Summary Tables

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

Project Name: R04 Healthcare SC Fire

From: 8/17/26
7:00 PM

To: 8/18/26
7:00 AM



Station 1							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
AreaRAE Pro	CO	No	440	7	0-5 ppm	0.06 ppm	83
	H2S	No	440	0	0-0 ppm	0 ppm	0.02
	LEL	No	440	0	0-0 %	0 %	10
	O2	No	440	440	20.90-20.90 %	20.90 %	23
	VOC	No	440	1	0-49 ppb	0.11 ppb	9000
DustTrak DRX	PM10		726	726	11-1680 µg/m3	139.20 µg/m3	See Particulate Matter Action Level Sheet
	PM2.5		726	726	10-1680 µg/m3	138.34 µg/m3	See Particulate Matter Action Level Sheet
SPM Flex	TDI (TDI)	No	13562	11485	0-1.90 ppb	0.88 ppb	20

Station 2							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
AreaRAE Pro	CO	No	440	9	0-9 ppm	0.10 ppm	83
	H2S	No	440	0	0-0 ppm	0 ppm	0.02
	LEL	No	440	0	0-0 %	0 %	10
	O2	No	440	440	20.90-20.90 %	20.90 %	23
	VOC	No	440	2	0-60 ppb	0.17 ppb	9000
DustTrak DRX	PM10		599	599	7-1350 µg/m3	225.84 µg/m3	See Particulate Matter Action Level Sheet
	PM2.5		599	599	7-1340 µg/m3	223.91 µg/m3	See Particulate Matter Action Level Sheet
SPM Flex	TDI (TDI)	No	1393	963	0-1.50 ppb	0.77 ppb	20

Station 3							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
AreaRAE Pro	CO	No	9730	93	0-5 ppm	0.03 ppm	83
	H2S	No	9730	0	0-0 ppm	0 ppm	0.02
	LEL	No	9730	0	0-0 %	0 %	10
	O2	No	9730	9730	20.90-20.90 %	20.90 %	23
	VOC	No	9730	27	0-141 ppb	0.21 ppb	9000
DustTrak DRX	PM10		51	51	23-434 µg/m3	59.96 µg/m3	See Particulate Matter Action Level Sheet
	PM2.5		51	51	22-417 µg/m3	58.08 µg/m3	See Particulate Matter Action Level Sheet
SPM Flex	TDI (TDI)	No	874	714	0-1.50 ppb	0.82 ppb	20

Station 4							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
AreaRAE Pro	CO	No	442	1	0-4 ppm	0.01 ppm	83
	H2S	No	442	0	0-0 ppm	0 ppm	0.02
	LEL	No	442	0	0-0 %	0 %	10
	O2	No	442	442	20.90-20.90 %	20.90 %	23
	VOC	No	442	0	0-0 ppb	0 ppb	9000
DustTrak DRX	PM10		698	698	6-31 µg/m3	11.21 µg/m3	See Particulate Matter Action Level Sheet
	PM2.5		698	698	6-23 µg/m3	10.72 µg/m3	See Particulate Matter Action Level Sheet
SPM Flex	TDI (TDI)	No	693	0	0-0 ppb	0 ppb	20

Notes:

% Percent
< Less than
> Greater than
AEGL Acute Exposure Guideline Levels for Airborne Chemicals
C/m Counts (ionization events) per minute
µg/m³ Micrograms per cubic meter
min Minute
PAC Protective Action Criteria
PEL Permissible exposure limit
ppb Parts per billion
ppm Parts per million
PM Particulate matter
SOG Standard Operating Guidelines
SPM Single Point Monitor
TEEL Temporary Emergency Exposure Limit
TLV Threshold limit value

Analyte	Definition	Action Level Reference
CO	Carbon Monoxide	83 ppm
H2S	Hydrogen Sulfide	0.51 ppm
LEL	Lower Explosive Limit	0.1
O2	Oxygen	<19.5 or >23%
PM10	Particulate Matter <10 microns	See PM Action Level Sheet
PM2.5	Particulate Matter <2.5 microns	See PM Action Level Sheet
TDI (TDI)		
VOC	Volatile Organic Compounds	9000 ppb