

Air Monitoring Summary Tables

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



Project Name: Aliceville Train Derailment

Date: November 8-9, 2013

Time: 19:48 - 4:02

SW of Derailment & County Rd 2						
Instrument	Analyte	Number of Readings ^a	Number of Detections ^b	Number of 1-hour TWA Exceedances ^c	Concentration Range	Period TWA ^d
Area Rae (.134)	VOCs	495	492	0	1 - 4.8 ppm	2.989035
Data Ram (.228)	PM-2.5	495	495	0	10.3 - 397.3 ug/m3	51.209997

Essie Dr & County Rd 13						
Instrument	Analyte	Number of Readings ^a	Number of Detections ^b	Number of 1-hour TWA Exceedances ^c	Concentration Range	Period TWA ^d
Area Rae (.229)	VOCs	502	501	0	0.4 - 2.2 ppm	1.801663
Data Ram (.227)	PM-2.5	500	500	0	12.1 - 154.5 ug/m3	38.100618

W of Derailment & County Rd 2						
Instrument	Analyte	Number of Readings ^a	Number of Detections ^b	Number of 1-hour TWA Exceedances ^c	Concentration Range	Period TWA ^d
Area Rae (.230)	VOCs	495	492	0	0.8 - 5.2 ppm	2.767205
Data Ram (140)	PM-2.5	124	124	0	5.3 - 12.6 ug/m3	9.321955

Notes:

a Values recorded by the instrument

b Values at or above the instrument's detection limits

AreaRae VOC	0.1 ppm
DataRam	0.1 ug/m3

c 1-hour TWA values at or above the 1-hour TWA Alarm Level

AreaRae VOC	5 ppm
DataRam	200 ug/m3

d Monitoring period was approximately 8 hours, therefore the final 8-hour TWA is displayed

< Less than

PM-2.5 Particulate matter with an average diameter less than 2.5 microns

ppm Parts per million

ug/m3 micrograms per cubic meter

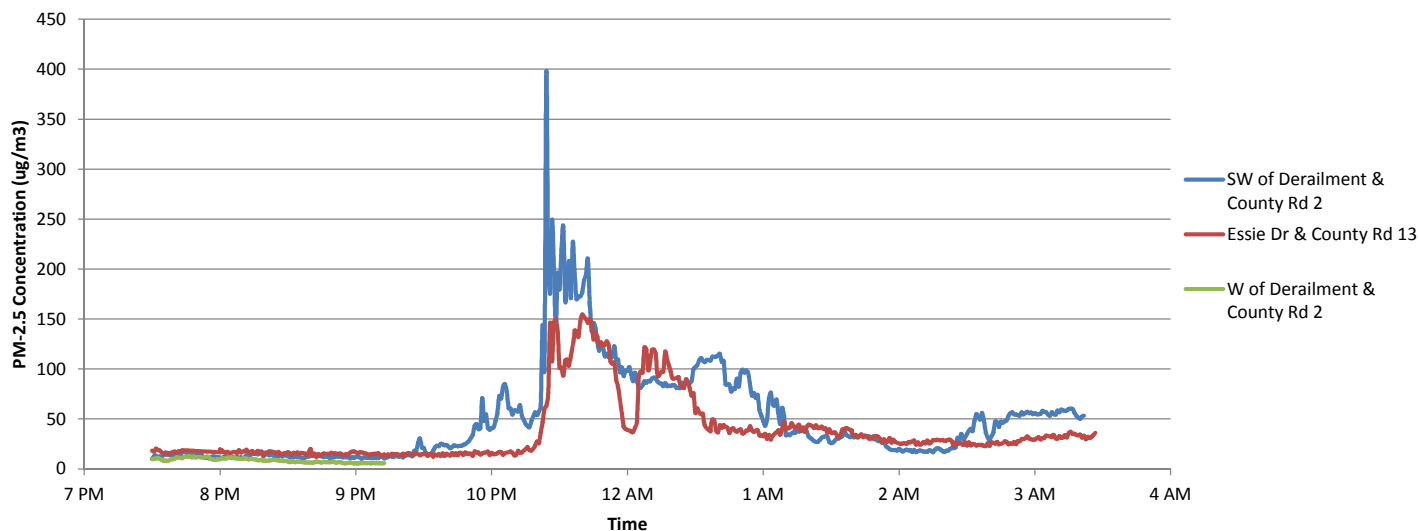
VOC Volatile organic compounds

Air Monitoring Summary Charts

The charts below summarize EPA monitoring data collected in 11/08 to 11/09 .



DataRam Instantaneous PM-2.5 Values 11/08 night



AreaRae Instantaneous VOC Values 11/08 night

