

# 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:** 11/11/2013 to 11/12/13

**Time:** 16:30 to 04:30

SW of Derailment & County Road 2						
Instrument	Analyte	Number of Readings <sup>a</sup>	Number of Detections <sup>b</sup>	Number of 1-hour TWA Exceedances <sup>c</sup>	Concentration Range	Most Recent 8-hour TWA <sup>d</sup>
Area Rae (.134)	VOCs	722	0	0	0 - 0 ppm	0
Data Ram (.228)	PM-2.5	721	721	0	2.6 - 162.6 ug/m3	6.626142

Essie Drive & County Road 13						
Instrument	Analyte	Number of Readings <sup>a</sup>	Number of Detections <sup>b</sup>	Number of 1-hour TWA Exceedances <sup>c</sup>	Concentration Range	Most Recent 8-hour TWA <sup>d</sup>
Area Rae (.229)	VOCs	720	581	0	0 - 0.4 ppm	0.225031
Data Ram (.227)	PM-2.5	720	720	0	4.1 - 30.9 ug/m3	7.012653

Providence Baptist Church on County Road 13						
Instrument	Analyte	Number of Readings <sup>a</sup>	Number of Detections <sup>b</sup>	Number of 1-hour TWA Exceedances <sup>c</sup>	Concentration Range	Most Recent 8-hour TWA <sup>d</sup>
Area Rae (.230)	VOCs	723	508	0	0 - 2.7 ppm	1.216913
Data Ram (.140)	PM-2.5	604	604	0	2.1 - 272.6 ug/m3	9.578872

McCaa Bottom Road and State Road 14						
Instrument	Analyte	Number of Readings <sup>a</sup>	Number of Detections <sup>b</sup>	Number of 1-hour TWA Exceedances <sup>c</sup>	Concentration Range	Most Recent 8-hour TWA <sup>d</sup>
Area Rae (.135)	VOCs	729	2	0	0 - 0.2 ppm	0
Data Ram (.139)	PM-2.5	729	729	0	2.4 - 16.1 ug/m3	11.179281

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 12 hours, 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

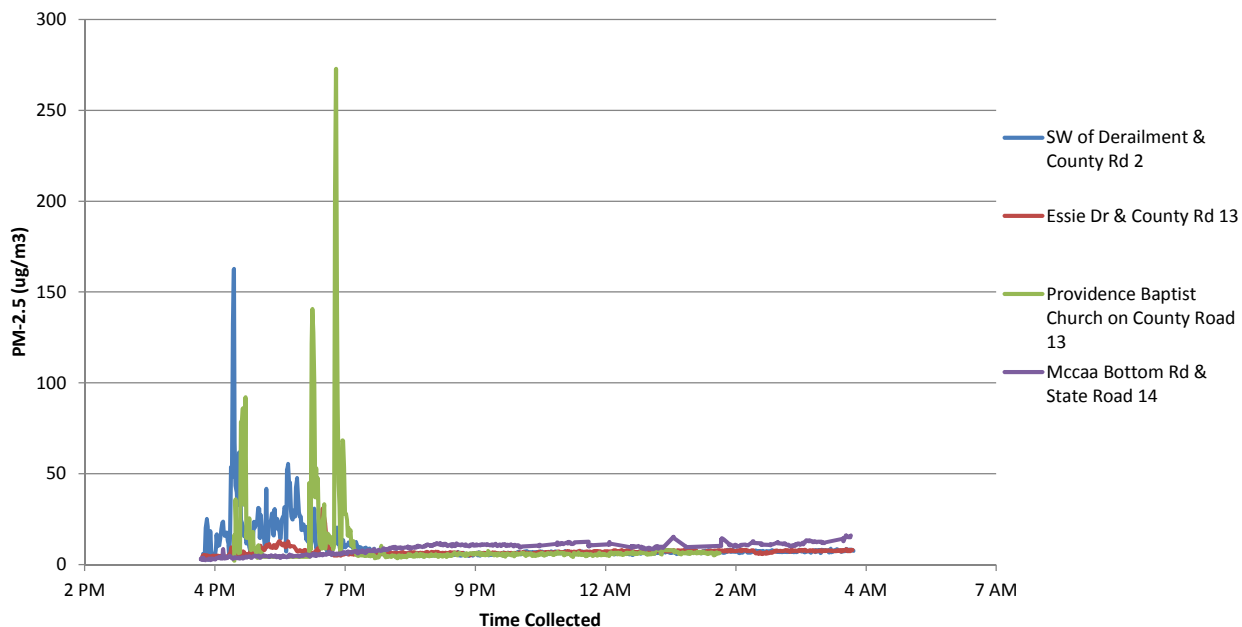
VOC Volatile organic compounds

## Air Monitoring Summary Charts

The charts below summarize EPA monitoring data collected throughout 11/11 night.



### DataRam Instantaneous PM-2.5 Values 11/11 night



### AreaRae Instantaneous VOC Values 11/11 night

