

# 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 12, 2013

**Time:** 04:00 to 16:00

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	541	46	0	0 - 1.6 ppm	0.064965
Data Ram (.228)	PM-2.5	525	525	0	2.7 - 191 ug/m3	11.375993

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	723	300	0	0 - 0.5 ppm	0.01376
Data Ram (.227)	PM-2.5	721	721	0	2.7 - 16.8 ug/m3	6.176601

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	601	282	0	0 - 2.2 ppm	0.417306
Data Ram (.140)	PM-2.5	663	663	0	1.3 - 88 ug/m3	10.361045

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	0	0	0 - 0 ppm	0
Data Ram (.139)	PM-2.5	342	342	0	12 - 243.3 ug/m3	33.350837

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

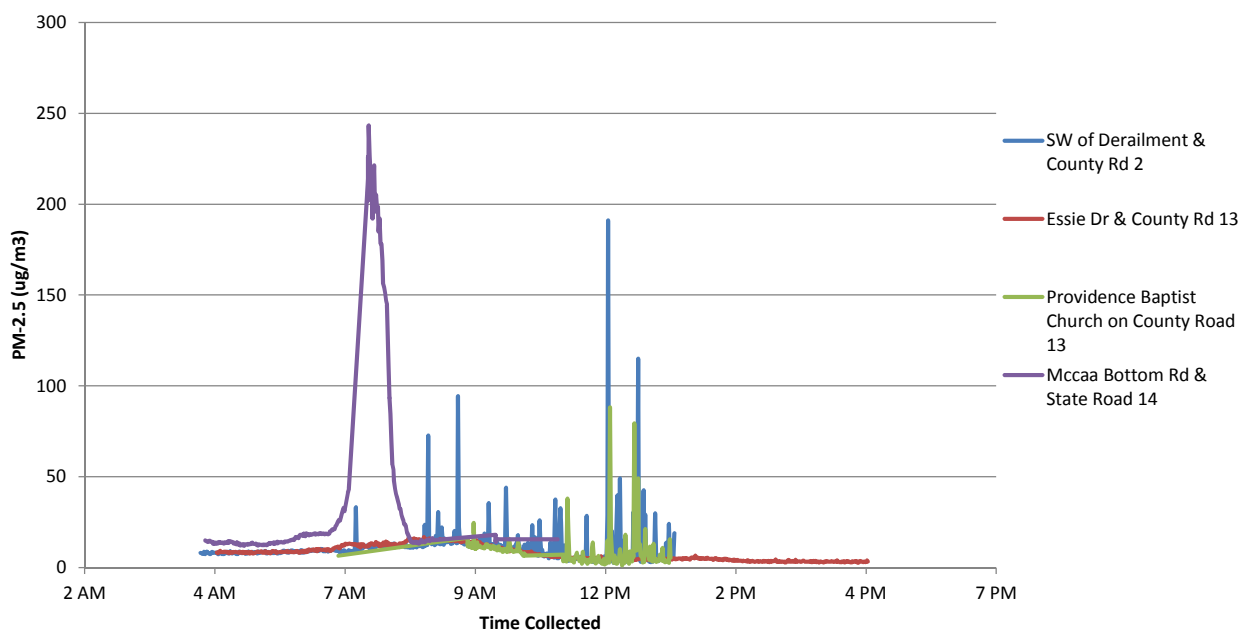
VOC Volatile organic compounds

## Air Monitoring Summary Charts

The charts below summarize EPA monitoring data collected throughout 11/12 day.



### DataRam Instantaneous PM-2.5 Values 11/12 day



### AreaRae Instantaneous VOC Values 11/12 day

