

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 10, 2013

Time: 05:00 - 16:00

SW of Derailment & County Road 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	541	191	0	0 - 2.1 ppm	0.314899
Data Ram (.228)	PM-2.5	661	661	0	2.3 - 169.8 ug/m3	22.644198

Essie Drive & County Road 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	665	336	0	0 - 1.7 ppm	0.282948
Data Ram (.227)	PM-2.5	660	660	0	2.8 - 54.4 ug/m3	9.75175

Providence Baptist Church on County Road 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 (.230)	VOCs	677	312	0	0 - 3.4 ppm	0.517274
Data Ram (.140)	PM-2.5	661	661	0	0.4 - 45.1 ug/m3	7.912594

McCa Bottom Road and State Road 14						
Instrument	Analyte	Number of Readings ^a	Number of Detections ^b	Number of 1-hour TWA Exceedances ^c	Concentration Range	Period TWA ^d
Area Rae (.135)	VOCs	3697	188	0	0 - 0.2 ppm	0.00274
Data Ram (.139)	PM-2.5	661	661	0	2.4 - 24.3 ug/m3	4.88901

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

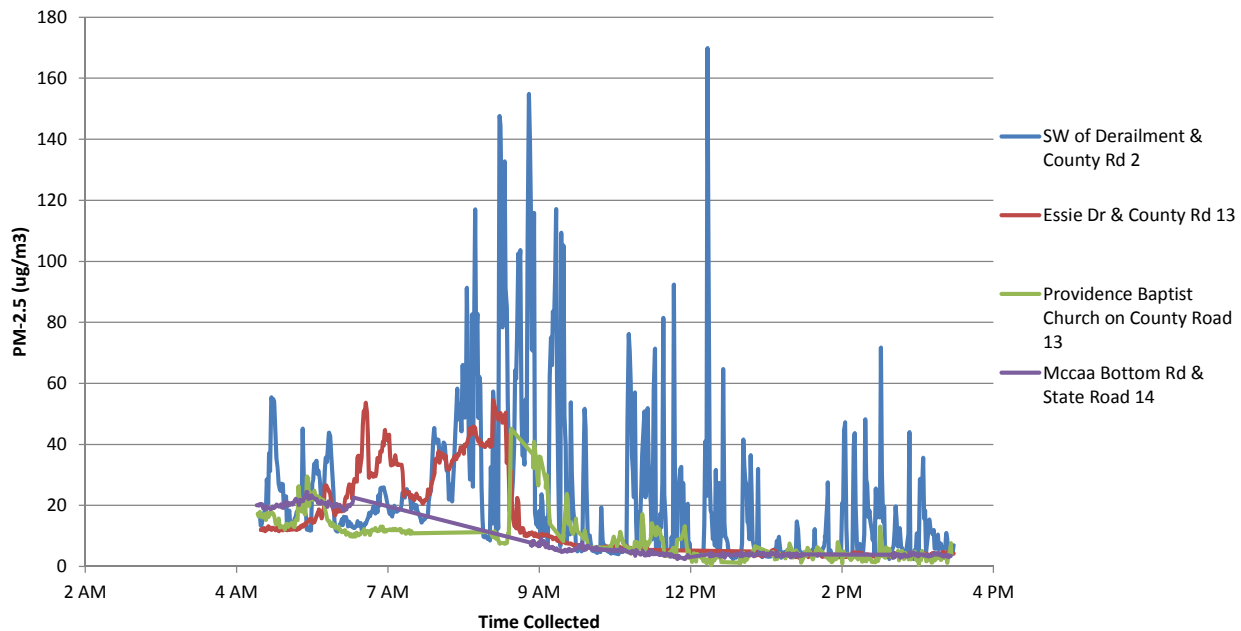
VOC Volatile organic compounds

Air Monitoring Summary Charts

The charts below summarize EPA monitoring data collected throughout 11/10 day.



**DataRam Instantaneous PM-2.5 Values
11/10 day**



**AreaRae Instantaneous VOC Values
11/10 day**

