

Air Monitoring Summary Tables

The table below summarize monitoring data collected by roving teams throughout the evacuation zone and beyond.

Project Name: Maryville CSX Train Derailment

Date: July 5, 2015

Time: 6:00 AM - 6:00 PM



All Monitoring Locations							
Instrument	Analyte	Agency	Number of Readings	Number of Detections	Concentration Range ^a	Average Reading	Action Level (PEL/TLV)
AreaRae	CO	EPA	65	0	0 - 0 ppm	0.00	50 ppm
	HCN	EPA	65	0	0 - 0 ppm	0.00	10 ppm
	LEL	EPA	65	0	0 - 0 %	0.00	10%
Data Ram	PM-2.5	EPA	65	65	1.3 - 20.9 ug/m3	4.67	80.1 ug/m3
FID	VOC (as acrylonitrile)	EPA	65	13	0 - 0.5 ppm	0.06	2 ppm (above background)

Notes:

CO	Carbon monoxide
HCN	Hydrogen cyanide
LEL	Lower explosive limit
NA	Not Applicable
O ₂	Oxygen
PM-2.5	Particulate matter with an average diameter less than 10 microns
ppm	Parts per million
ug/m3	micrograms per cubic meter
VOC	Volatile organic compounds