

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: 7/2-3/2015
Time: 10:00 AM - 04:00 AM



All Monitoring Locations							
Instrument	Analyte	Agency	Number of Readings	Number of Detections	Concentration Range ^a	Average Reading	Action Level (PEL/TLV)
AreaRae	CO	EPA	215	0	0 - 0 ppm	0.00	50 ppm
	HCN	EPA	215	0	0 - 0 ppm	0.00	10 ppm
	LEL	EPA	215	0	0 - 0 %	0.00	10%
Data Ram	PM-2.5	EPA	123	97	0 - 30.3 ug/m3	8.74	80.1 ug/m3
FID	VOC (as acrylonitrile)	EPA	215	207	0 - 4.65 ppm	1.78	2 ppm
AreaRae - PID	VOC (as acrylonitrile)	CST	30	0	0 - 0 ppm	0.00	2 ppm

Notes:

- ^a
- It should be noted that although some FID readings were identified at concentrations above the Action Level, all readings were comparable to background concentrations measured at offsite and upwind locations, which ranged from 0 to 3.5 ppm
- CO
- Carbon monoxide
- HCN
- Hydrogen cyanide
- LEL
- Lower explosive limit
- NA
- Not Applicable
- O₂
- 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