

Table 1
Continuous Air Monitoring Results
East Palestine Derailment Site
East Palestine, Columbiana County, Ohio

Monitoring Period: 02/11/2023 00:00 to 02/13/2023 14:00

Air Monitoring Instrument	Analyte	Screening Level	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
AreaRAE Pro S/N: W01A00000610	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.04	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00001706	VOC (ppm)	0.5 ppm	No	0.00 to 0.33	0.2
	CO (ppm)	9 ppm	No	0.00 to 0.09	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00001707	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.10	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00001708	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.0
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00001709	VOC (ppm)	0.5 ppm	No	0.00 to 0.02	0.01
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00001712	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.01	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00001713	VOC (ppm)	0.5 ppm	No	0.00 to 0.11	0.05
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.4	0.0
AreaRAE Pro S/N: W01A00002175	VOC (ppm)	0.5 ppm	No	0.00 to 0.01	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00002653	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00002654	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.02	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00002655	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.1	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00002656	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00002928	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00002930	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.0	0.0
AreaRAE Pro S/N: W01A00001710	VOC (ppm)	0.5 ppm	No	0.00 to 0.21	0.05
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	No	0.0 to 0.0	0.0
	LEL (%)	> 5%	No	0.0 to 0.0	0.0
	HCN (ppm)	1 ppm	No	0.0 to 0.3	0.0

See notes on last page.

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Notes:

Air monitoring measurements have been averaged over a 8-hour time period and summarized above.

Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.

Air monitoring is not performed during inclement weather conditions/rain and thunderstorms.

Air monitoring for phosgene and hydrogen chloride was conducted while there was active fire at the derailment site, including prior to and during the controlled burn of vinyl chloride. As a precautionary measure, the monitoring of these parameters continued after the controlled burn was completed. Phosgene has not been detected via air monitoring since 2023-02-06 17:55 based on telemetry data. Hydrogen chloride has not been detected via air monitoring since 2023-02-08 08:05. Air monitoring for phosgene and hydrogen chloride has been discontinued.

< - Less than

> - Greater than

% - Percent

CO - Carbon Monoxide

HCN - Hydrogen Cyanide

H₂S - Hydrogen Sulfide

LEL - Lower Explosive Limit

O₂ - Oxygen

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compounds

