

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

Monitoring Period: 02/10/2023 09:56 to 02/11/2023 15:40

Air Monitoring Instrument	Analyte	Screening Level	Screening Level Exceeded?	8-hour Period Concentration Range	Average of All 8-hour Periods
AreaRAE Pro S/N: W01A00000609	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: W01A00000610	VOC (ppm)	0.5 ppm	No	0.00 to 0.06	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: W01A00001706	VOC (ppm)	0.5 ppm	No	0.00 to 0.43	0.3
	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: 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 0.01	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: W01A00001712	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: W01A00001713	VOC (ppm)	0.5 ppm	No	0.16 to 0.21	0.19
	CO (ppm)	9 ppm	No	0.00 to 0.00	0.0
	H ₂ S (ppm)	0.1 ppm	Yes*	0.0 to 0.5	0.2
	LEL (%)	> 5%	No	0.0 to 0.0	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 0.00	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: W01A00002656	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 0.1	0.0
	HCN (ppm)	1 ppm	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
AreaRAE Pro S/N: W01A00002929	VOC (ppm)	0.5 ppm	No	0.00 to 0.00	0.00

See notes on last page.

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Notes:

*A secondary instrument was used to evaluate H₂S and reported H₂S as non-detected. The elevated H₂S measurements are likely attributable to sensor drift. The H₂S sensor was recalibrated.

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.

< - Less than

> - Greater than

% - Percent

CO - Carbon Monoxide

HCN - Hydrogen Cyanide

H₂S - Hydrogen Sulfide

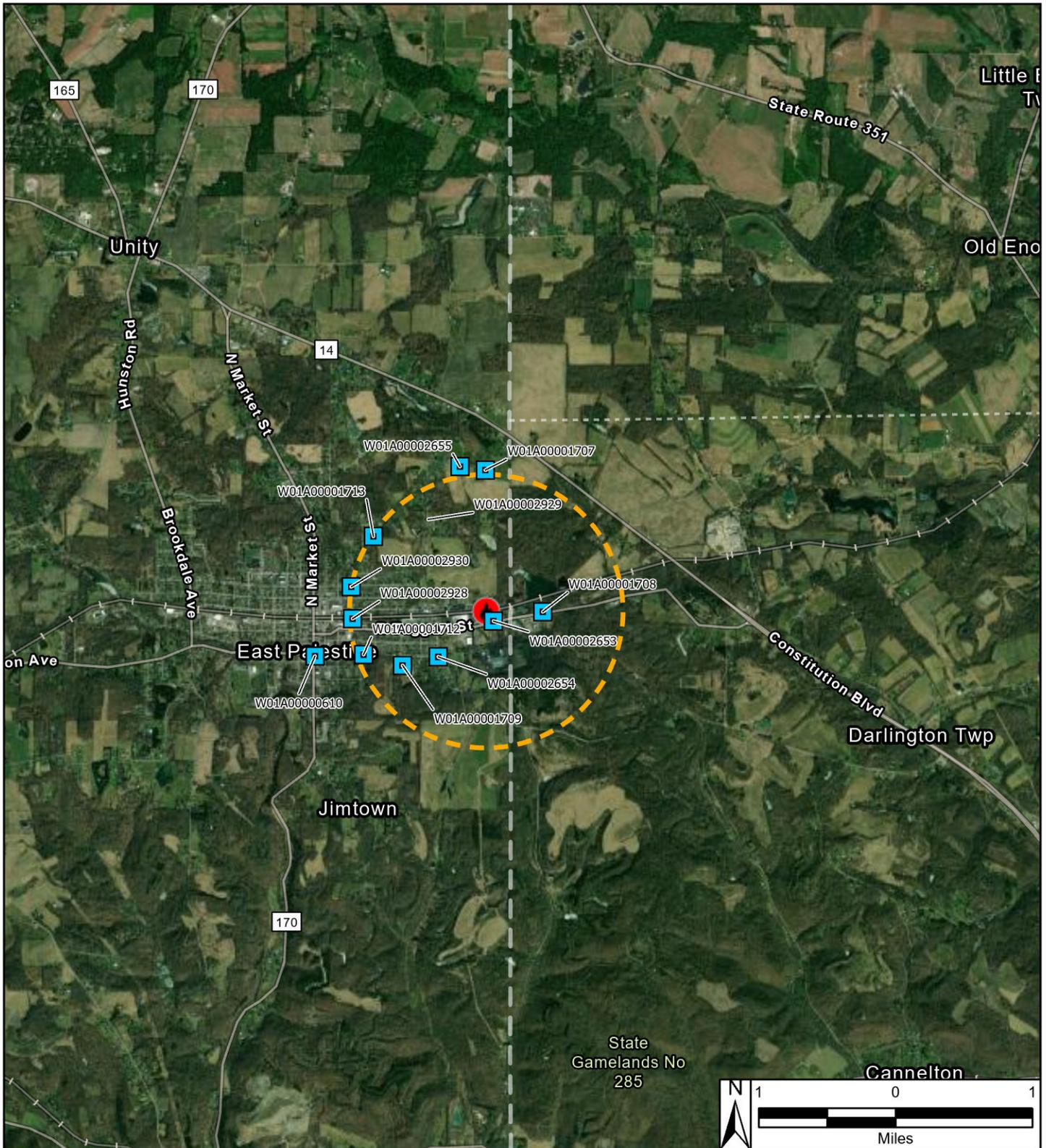
LEL - Lower Explosive Limit

O₂ - Oxygen

ppm - Parts per million

S/N - Serial number

VOC - Volatile organic compounds



Reference Map



Site Location

Legend

-  Continuous Air Monitoring Location
-  Derailment Location
-  One Mile Radius

East Palestine Derailment ER Site

75 E Main St

East Palestine, Columbiana County, OH 44413

Figure 1
Continuous Air Monitoring Stations



Prepared For: EPA

Prepared By: Tetra Tech Inc.