

Table 1
Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 02/08/2023 20:44 to 02/09/2023 04:33

Location	Date/Time	O ₂ (%)	LEL (%)	CO (ppm)	H ₂ S (ppm)	VOC (ppm)	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	HCN (ppm)*	Benzene (ppm)	Phosgene (ppm)	HCl (ppm)
		Screening Levels										
		19.5% to 23.5%	5%	9 ppm	0.1 ppm	0.5 ppm	0.035 mg/m ³	0.035 mg/m ³	1 (ppm)	0.01 (ppm)	0.002 (ppm)	1.4 (ppm)
PCR-N-01	2/9/2023 0:10	20.9	0	0	0	0	0.043	0.045	0	0	0	0
PCR-N-02	2/9/2023 0:01	20.9	0	0	0	0	0.035	0.036	0	0	0	0
PCR-N-03	2/8/2023 23:53	20.9	0	0	0	0	0.04	0.041	0	0	0	0
PCR-N-04	2/8/2023 23:50	20.9	0	0	0	0	0.038	0.038	0	0	0	0
PCR-N-05	2/8/2023 23:24		0	0	0	0	0.004	0.035	0	0	0	0
PCR-N-06	2/8/2023 23:13	20.9	0	0	0	0	0.028	0.029	0	0	0	0
PCR-N-07	2/8/2023 23:05	20.9	0	0	0	0	0.038	0.045	0	0	0	0
PCR-N-08	2/8/2023 22:56	20.9	0	0	0	0	0.038	0.039	0	0	0	0
PCR-N-09	2/8/2023 21:53	20.9	0	50 ¹	0	0	0.019	0.022	0	0	0	0
PCR-N-10	2/8/2023 21:40	20.9	0	0	0	0	0.027	0.028	0	0	0	0
PCR-N-11	2/8/2023 21:29	20.9	0	0	0	0	0.029	0.032	0	0	0	0
PCR-N-12	2/8/2023 21:16	20.9	0	0	0	0	0.031	0.04	0	0	0	0
PCR-N-13	2/8/2023 20:44	20.9	0	0	0	0	0.028	0.035	0	0	0	0
PCR-S-01B	2/9/2023 1:06	20.9	0	0	0	0.07	0.053	0.053	0	0	0	0
PCR-S-01A	2/9/2023 3:02	20.9	0	0	0	0	0.036	0.037	0	0	0	0
PCR-S-02	2/9/2023 1:38	20.9										
	2/9/2023 3:18	20.9	0	0	0	0	0.038	0.039	0	0	0	0
PCR-S-03	2/9/2023 3:25	20.9	0	0	0	0	0.035	0.036	0	0	0	0
PCR-S-04	2/9/2023 3:33	20.9	0	0	0	0	0.035	0.036	0	0	0	0
PCR-S-05	2/9/2023 3:41	20.9	0	0	0	0	0.031	0.031	0	0	0	0
PCR-S-06	2/9/2023 3:47	20.9	0	0	0	0	0.03	0.03	0	0	0	0
PCR-S-07	2/9/2023 3:55	20.9	0	0	0	0	0.025	0.025	0	0	0	0
PCR-S-08	2/9/2023 4:05	20.9	0	0	0	0.01	0.024	0.029	0	0	0	0
PCR-S-09	2/9/2023 4:16	20.9	0	0	0	0.01	0.023	0.025	0	0	0	0
PCR-S-10	2/9/2023 4:33	20.9	0	0	0	0.01	0.022	0.022	0	0	0	0

Notes:

Highlighted indicate detections above screening levels

Grey cells indicate no measurement was collected for that specific parameter

* - the screening level is the instrument's limit of detection.

¹ - A secondary instrument was used to evaluate CO and reported CO as non-detected. The elevated CO measurements are likely attributable to sensor drift. The primary monitoring instrument was replaced.

% - percent

CO - carbon monoxide

H₂S - hydrogen sulfide

HCl - hydrogen chloride

HCN - hydrogen cyanide

LEL - lower explosive limit

mg/m³ - milligrams per cubic meter

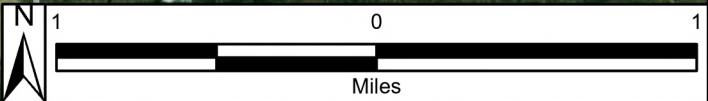
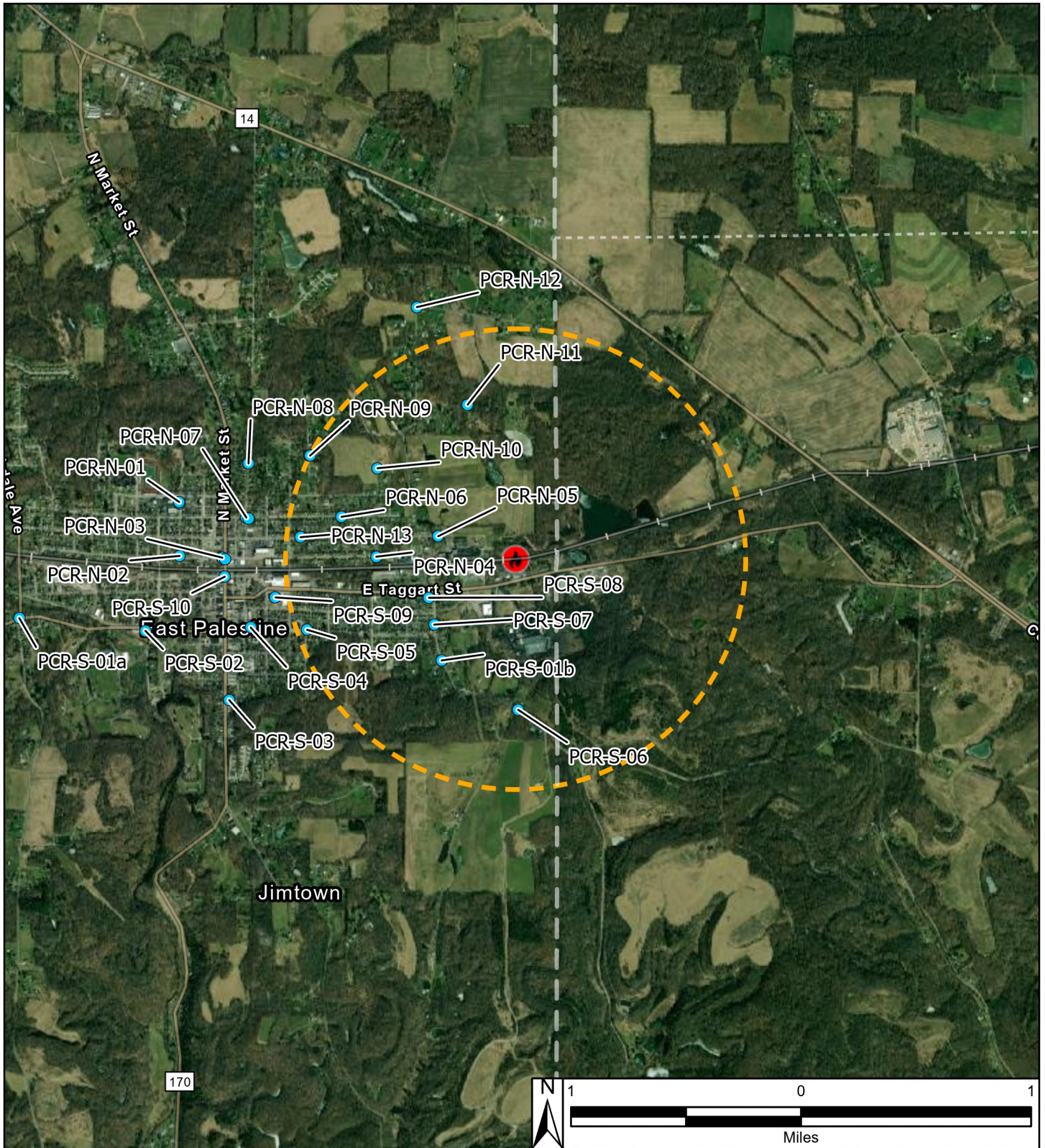
O₂ - oxygen

PM_{2.5} - particles that are 2.5 micrometers and smaller

PM₁₀ - particles that are 10 micrometers and smaller

ppm - parts per million

VOC - volatile organic compounds



Reference Map



Site Location

Legend

- Derailment Location
- One Mile Radius
- Roaming Air Monitoring Locations

East Palestine Derailment ER Site
 75 E Main St
 East Palestine, Columbiana County, OH 44413

Figure 1
Roaming Air Monitoring Locations



Prepared For: EPA

Prepared By: Tetra Tech Inc.