

Table 1
Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 02/10/2023 03:00 to 02/10/2023 06:13

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%	25 ppm	0.1 ppm	0.5 ppm	0.025 mg/m ³	0.05 mg/m ³	0.5 ppm	0.5 ppm	0.04 ppm	1.8 ppm
2/10/2023 3:00	20.9	0	0	0	0	0.005	0.005	0		0	0
2/10/2023 3:04	20.9	0	0	0	0	0.005	0.005	0		0	0
2/10/2023 3:11	20.9	0	0	0	0	0.008	0.008	0		0	0
2/10/2023 3:17	20.9	0	0	0	0	0.006	0.009	0		0	0
2/10/2023 3:25	20.9	0	0	0	0	0.02	0.02	0		0	0
2/10/2023 3:38	20.9	0	0	0	0	0.003	0.003	0		0	0
2/10/2023 3:43	20.9	0	0	0	0	0.003	0.003	0		0	0
2/10/2023 3:47	20.9	0	0	0	0	0.003	0.003	0		0	0
2/10/2023 3:52	20.9	0	0	0	0	0.003	0.003	0		0	0
2/10/2023 4:00	20.9	0	0	0	0	0.003	0.003	0		0	0
2/10/2023 4:07	20.9	0	0	0	0	0.006	0.006	0		0	0
2/10/2023 4:17	20.9	0	0	0	0	0.004	0.006	0		0	0
2/10/2023 4:28	20.9	0	0	0	0	0.004	0.004	0		0	0
2/10/2023 4:38	20.9	0	0	0	0	0.005	0.005	0		0	0
2/10/2023 4:47	20.9	0	0	0	0	0.005	0.005	0		0	0
2/10/2023 4:50	20.9	0	0	0	0	0.006	0.01	0		0	0
2/10/2023 5:22	20.9	0	0	0	0	0.005	0.005	0		0	0
2/10/2023 5:26	20.9	0	0	0	0	0.01	0.013	0		0	0
2/10/2023 5:38	20.9	0	0	0	0	0.005	0.005	0		0	0
2/10/2023 6:02	20.9	0	0	0	0	0.007	0.007	0		0	0
2/10/2023 6:04	20.9	0	0	0	0	0.008	0.008	0		0	0
2/10/2023 6:13	20.9	0	0	0	0	0.008	0.01	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.

% - percent

Cl - chlorine

CO - carbon monoxide

H₂S - hydrogen sulfide

HCl - hydrogen chloride

HCN -hydrogen cyanide

LEL - lower explosive limit

mg/m³ - milligrams per cubic meter

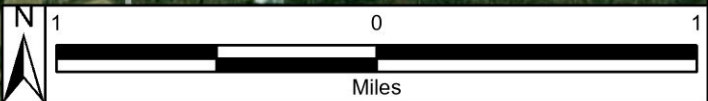
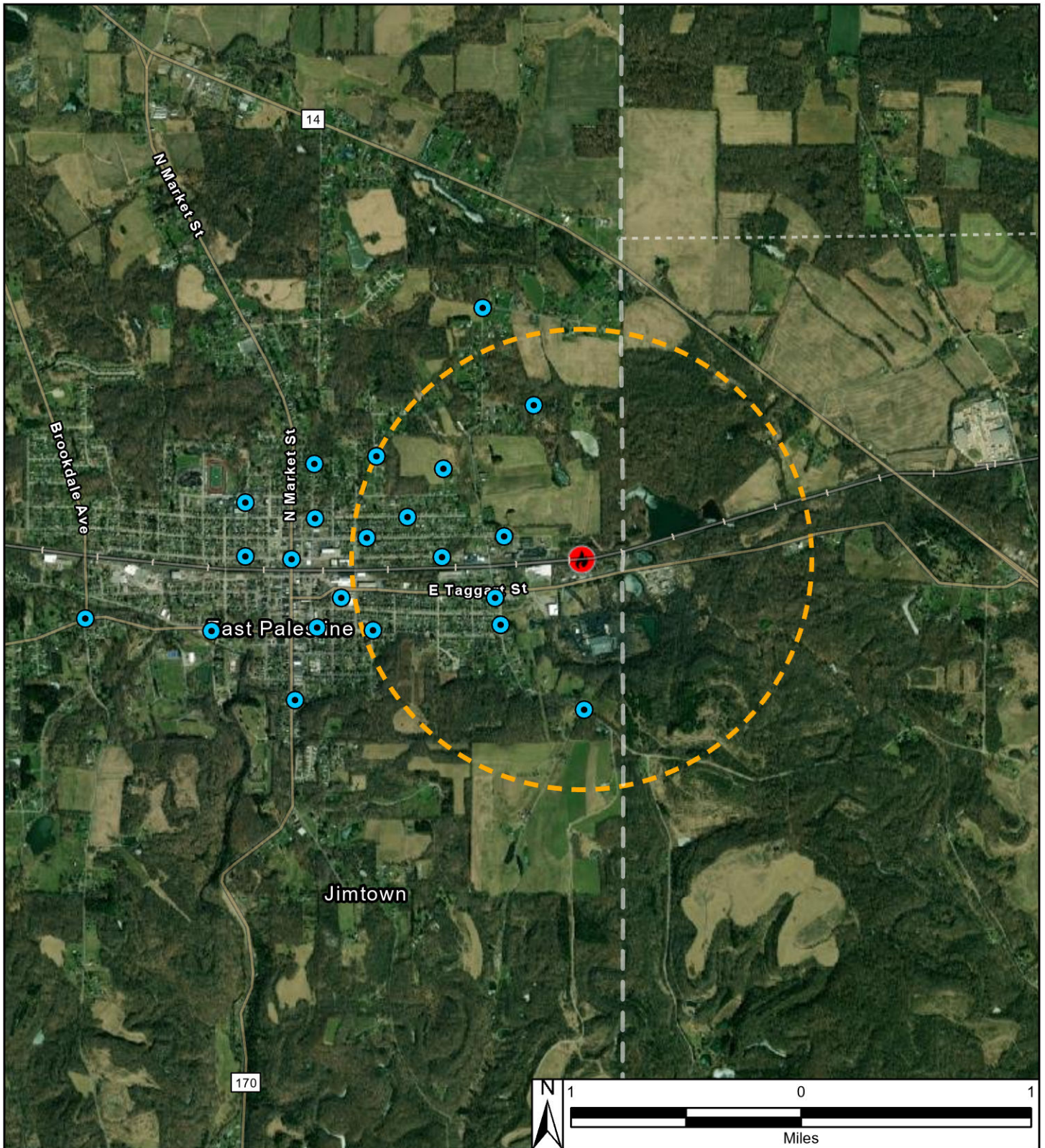
O₂ - oxygen

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.