

Table 1

Community Roving Air Monitoring Results Summary Table
 East Palestine Derailment Emergency Response
 East Palestine, Ohio
 Monitoring Period: 05/30/2023 08:07 to 05/30/2023 17:11

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Location	Date/Time	VOC (ppm)	PM _{2.5} (mg/m ³) ¹	PM ₁₀ (mg/m ³) ¹
		Screening Levels		
		0.5 ppm	0.035 mg/m ³	0.070 mg/m ³
PCR-N-03	5/30/2023 8:13	0	0.027	0.03
	5/30/2023 10:57	0	0.041	0.044
	5/30/2023 16:03	0	0.025	0.029
PCR-N-04	5/30/2023 8:55	0	0.037	0.041
	5/30/2023 11:41	0	0.041	0.045
	5/30/2023 16:31	0	0.026	0.031
PCR-N-05	5/30/2023 9:05	0	0.063	0.074
	5/30/2023 11:46	0	0.065	0.091
	5/30/2023 16:36	0	0.036	0.053
PCR-N-06	5/30/2023 8:46	0	0.033	0.036
	5/30/2023 11:34	0	0.039	0.044
	5/30/2023 16:22	0	0.025	0.03
PCR-N-07	5/30/2023 8:22	0	0.026	0.029
	5/30/2023 11:01	0	0.073	0.044
	5/30/2023 16:06	0	0.027	0.033
PCR-N-08	5/30/2023 8:25	0	0.026	0.028
	5/30/2023 11:20	0	0.044	0.049
	5/30/2023 16:09	0	0.025	0.029
PCR-N-09	5/30/2023 8:30	0	0.027	0.03
	5/30/2023 11:25	0	0.044	0.053
	5/30/2023 16:13	0	0.023	0.027
PCR-N-10	5/30/2023 8:36	0	0.032	0.036
	5/30/2023 11:30	0	0.041	0.043
	5/30/2023 16:19	0	0.027	0.033
PCR-N-11	5/30/2023 9:14	0	0.037	0.039
	5/30/2023 11:51	0	0.04	0.049
	5/30/2023 16:42	0	0.028	0.034
PCR-N-12	5/30/2023 9:19	0	0.039	0.044
	5/30/2023 11:56	0	0.035	0.038
	5/30/2023 16:47	0	0.024	0.027
PCR-N-13	5/30/2023 8:49	0	0.04	0.048
	5/30/2023 11:38	0	0.038	0.041
	5/30/2023 16:27	0	0.026	0.031
PCR-S-01	5/30/2023 10:42	0	0.04	0.044
	5/30/2023 14:43	0	0.03	0.043
PCR-S-04	5/30/2023 10:28	0	0.04	0.041
	5/30/2023 14:39	0	0.026	0.029

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Location	Date/Time	VOC (ppm)	PM _{2.5} (mg/m ³) ¹	PM ₁₀ (mg/m ³) ¹
		Screening Levels		
		0.5 ppm	0.035 mg/m ³	0.070 mg/m ³
PCR-S-05	5/30/2023 10:18	0	0.042	0.047
	5/30/2023 14:31	0	0.028	0.033
PCR-S-06	5/30/2023 10:11	0	0.041	0.044
	5/30/2023 14:22	0	0.029	0.036
	5/30/2023 17:11	0	0.025	0.028
PCR-S-07	5/30/2023 10:06	0	0.039	0.044
	5/30/2023 14:15	0	0.027	0.031
PCR-S-08	5/30/2023 10:01	0	0.043	0.052
	5/30/2023 14:09	0	0.031	0.037
	5/30/2023 17:08	0	0.023	0.026
PCR-S-09	5/30/2023 10:23	0	0.041	0.047
	5/30/2023 14:36	0	0.025	0.029
PCR-S-10	5/30/2023 8:07	0	0.028	0.032
PCR-S-15	5/30/2023 17:04	0	0.03	0.043
PCR-S-16	5/30/2023 9:55	0	0.04	0.044
	5/30/2023 14:03	0	0.035	0.045
	5/30/2023 16:55	0	0.035	0.054
Station 02	5/30/2023 8:45		0.037	0.04
	5/30/2023 14:52		0.062	0.099
Station 03	5/30/2023 9:21		0.05	0.073
	5/30/2023 14:20		0.026	0.04
Station 05	5/30/2023 9:48		0.047	0.052
Station 06	5/30/2023 9:36		0.053	0.057
	5/30/2023 14:05		0.043	0.077
Station 07	5/30/2023 13:51		0.041	0.049

Notes:

Highlighted indicate detections above screening levels

Grey cells indicate no measurement was collected for that specific parameter

1 - Site-Specific Public Health Screening Levels for particulate matter are based on 24-hour time-weighted

* - 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 measurem

Cl - chlorine

F₂ - fluorine

HCl - hydrogen chloride

HCN - hydrogen cyanide

mg/m³ - milligrams per cubic meter

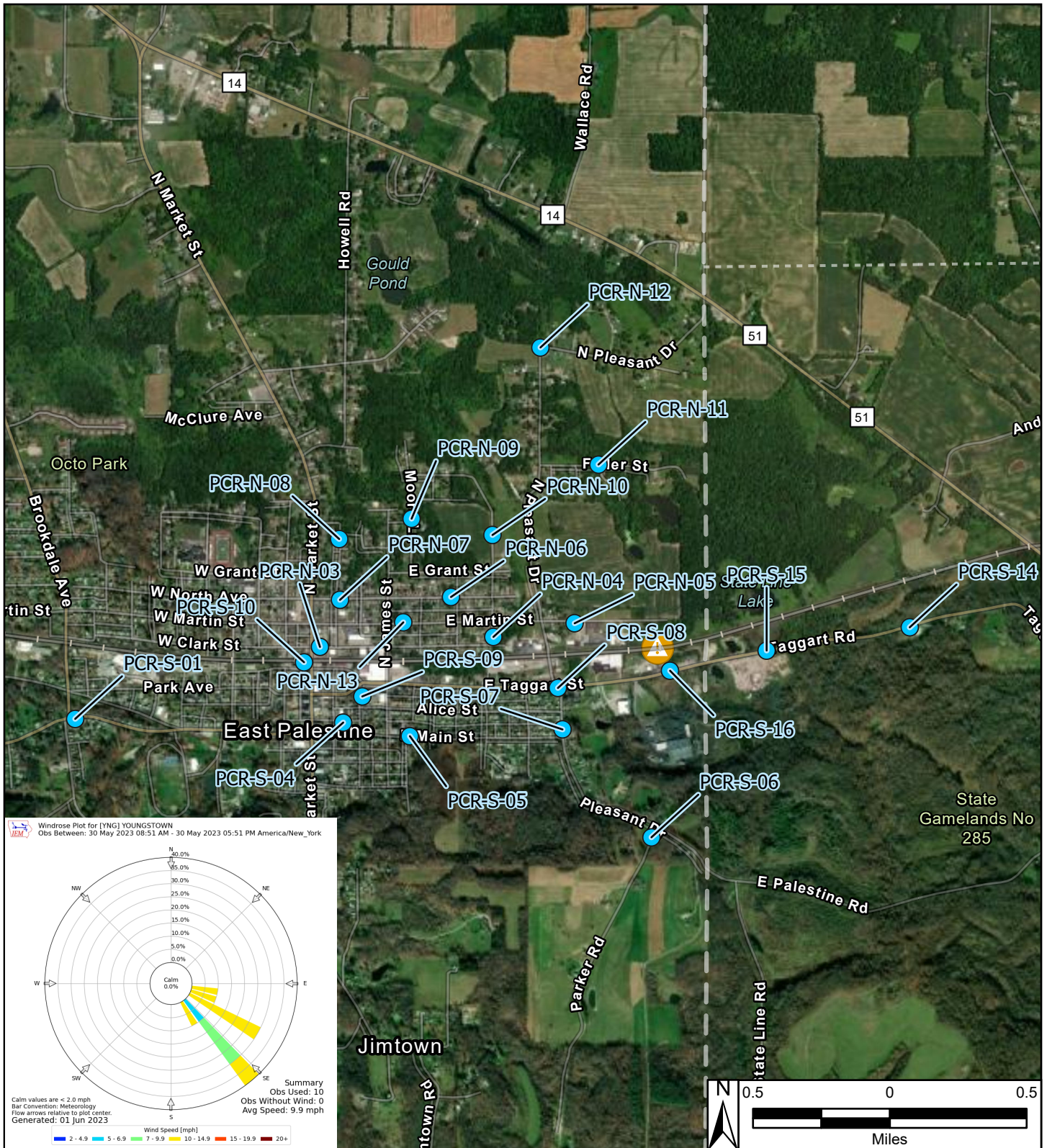
PM_{2.5} - particles that are 2.5 micrometers and smaller

PM₁₀ - particles that are 10 micrometers and smaller

ppm - parts per million

TWA - time-weighted average

VOC - volatile organic compounds



Legend

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

East Palestine Derailment ER Site
 East Palestine, Columbiana County, OH 44413

Figure 1
Roaming Air Monitoring Community Locations

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Prepared For: EPA Prepared By: Tetra Tech Inc.