

Table 1
Roving Air Monitoring Results Summary Table
East Palestine Derailment Emergency Response
East Palestine, Ohio
Monitoring Period: 02/26/2023 08:07 to 02/26/2023 17:46

Location	Date/Time	LEL (%)	CO (ppm)	H ₂ S (ppm)	VOC (ppm)	PM _{2.5} (mg/m ³) ¹	PM ₁₀ (mg/m ³) ¹
		Screening Levels					
		5%	9 ppm	0.1 ppm	0.5 ppm	0.035 mg/m ³ (24-hour TWA)	0.035 mg/m ³ (24-hour TWA)
PCR-N-03	2/26/2023 11:29	0	0	0	0	0.023	0.023
	2/26/2023 17:46	0	0	0	0	0.014	0.015
PCR-N-04	2/26/2023 10:07	0	0	0	0	0.024	0.025
	2/26/2023 15:23	0	0	0	0	0.015	0.015
PCR-N-05	2/26/2023 8:16	0	0	0	0	0.033	0.033
	2/26/2023 13:17	0	0	0	0	0.022	0.027
PCR-N-06	2/26/2023 10:18	0	0	0	0	0.023	0.023
	2/26/2023 15:36	0	0	0	0	0.015	0.015
PCR-N-07	2/26/2023 11:06	0	0	0	0	0.023	0.025
	2/26/2023 16:42	0	0	0	0	0.012	0.013
PCR-N-08	2/26/2023 10:56	0	0	0	0	0.023	0.023
	2/26/2023 16:31	0	0	0	0	0.012	0.013
PCR-N-09	2/26/2023 10:43	0	0	0	0	0.022	0.023
	2/26/2023 16:08	0	0	0	0	0.012	0.013
PCR-N-10	2/26/2023 8:07	0	0	0	0	0.022	0.022
	2/26/2023 13:01	0	0	0	0	0.019	0.02
PCR-N-11	2/26/2023 9:42	0	0	0	0	0.025	0.026
	2/26/2023 14:54	0	0	0	0	0.017	0.017
PCR-N-12	2/26/2023 9:52	0	0	0	0	0.022	0.022
	2/26/2023 15:08	0	0	0	0	0.015	0.016
PCR-N-13	2/26/2023 10:28	0	0	0	0	0.024	0.024
	2/26/2023 15:47	0	0	0	0	0.014	0.014
PCR-S-01	2/26/2023 8:50	0	0	0	0	0.035	0.041
	2/26/2023 13:49	0	0	0	0	0.018	0.019
PCR-S-04	2/26/2023 11:39	0	0	0	0	0.021	0.022
	2/26/2023 17:02	0	0	0	0	0.016	0.017
PCR-S-05	2/26/2023 11:49	0	0	0	0	0.023	0.023

See notes on last page.

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		Screening Levels					
		5%	9 ppm	0.1 ppm	0.5 ppm	0.035 mg/m ³ (24-hour TWA)	0.035 mg/m ³ (24-hour TWA)
PCR-S-05	2/26/2023 17:17	0	0	0	0	0.013	0.013
PCR-S-06	2/26/2023 8:39	0	0	0	0	0.028	0.028
	2/26/2023 13:39	0	0	0	0	0.018	0.022
PCR-S-07	2/26/2023 9:00	0	0	0	0	0.029	0.029
	2/26/2023 13:58	0	0	0	0	0.02	0.02
PCR-S-08	2/26/2023 8:27	0	0	0	0	0.028	0.03
	2/26/2023 13:27	0	0	0	0	0.019	0.02
PCR-S-09	2/26/2023 11:57	0	0	0	0	0.023	0.024
	2/26/2023 17:31	0	0	0	0	0.014	0.015
PCR-S-10	2/26/2023 11:13	0	0	0	0	0.023	0.025
	2/26/2023 16:55	0	0	0	0	0.013	0.013
PCR-S-14	2/26/2023 9:27	0	0	0	0	0.028	0.028
	2/26/2023 14:37	0	0	0	0	0.018	0.02
PCR-S-15	2/26/2023 9:19	0	0	0	0	0.028	0.031
	2/26/2023 14:27	0	0	0	0	0.017	0.021
PCR-S-16	2/26/2023 9:09	0	0	0	0	0.032	0.032
	2/26/2023 14:17	0	0	0	0	0.077	0.091

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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 averages (TWAs). Fixed discrete monitoring readings are discrete readings, and so do not represent conditions over a full 24-hour period.

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

% - percent

CO - carbon monoxide

H₂S - hydrogen sulfide

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

TWA - time-weighted average

VOC - volatile organic compounds