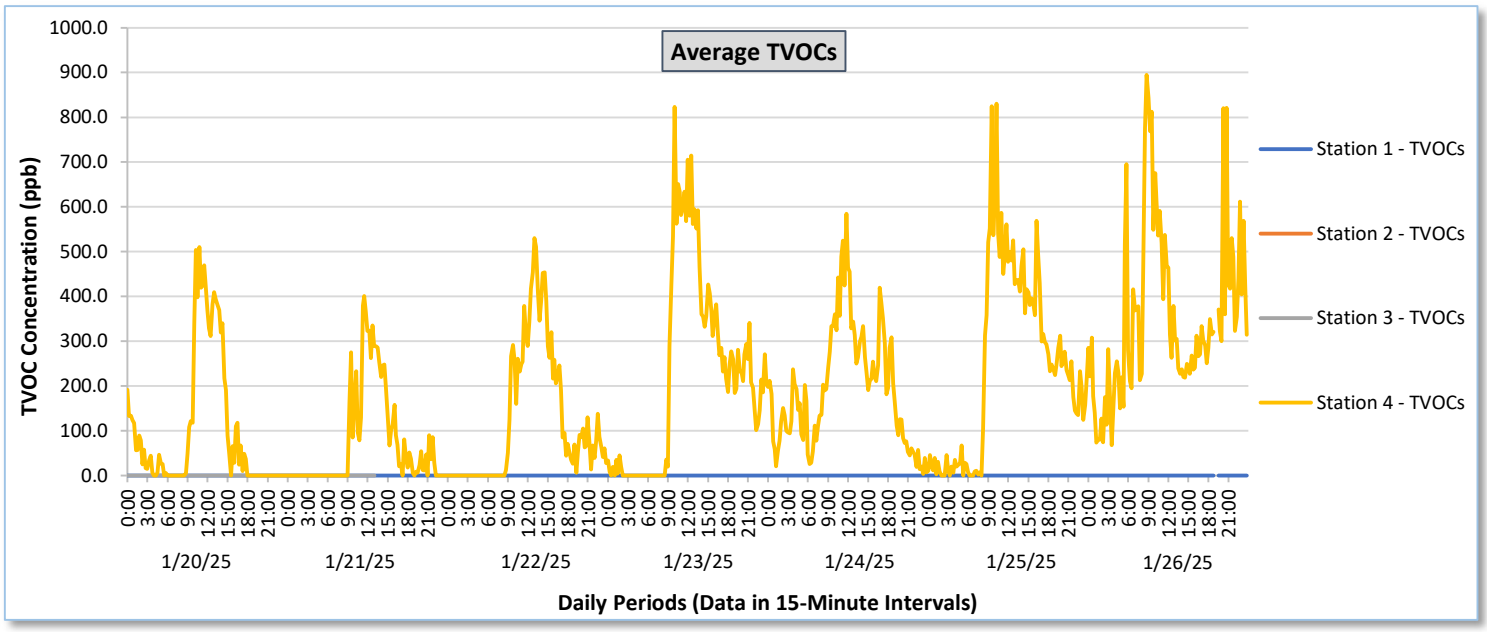
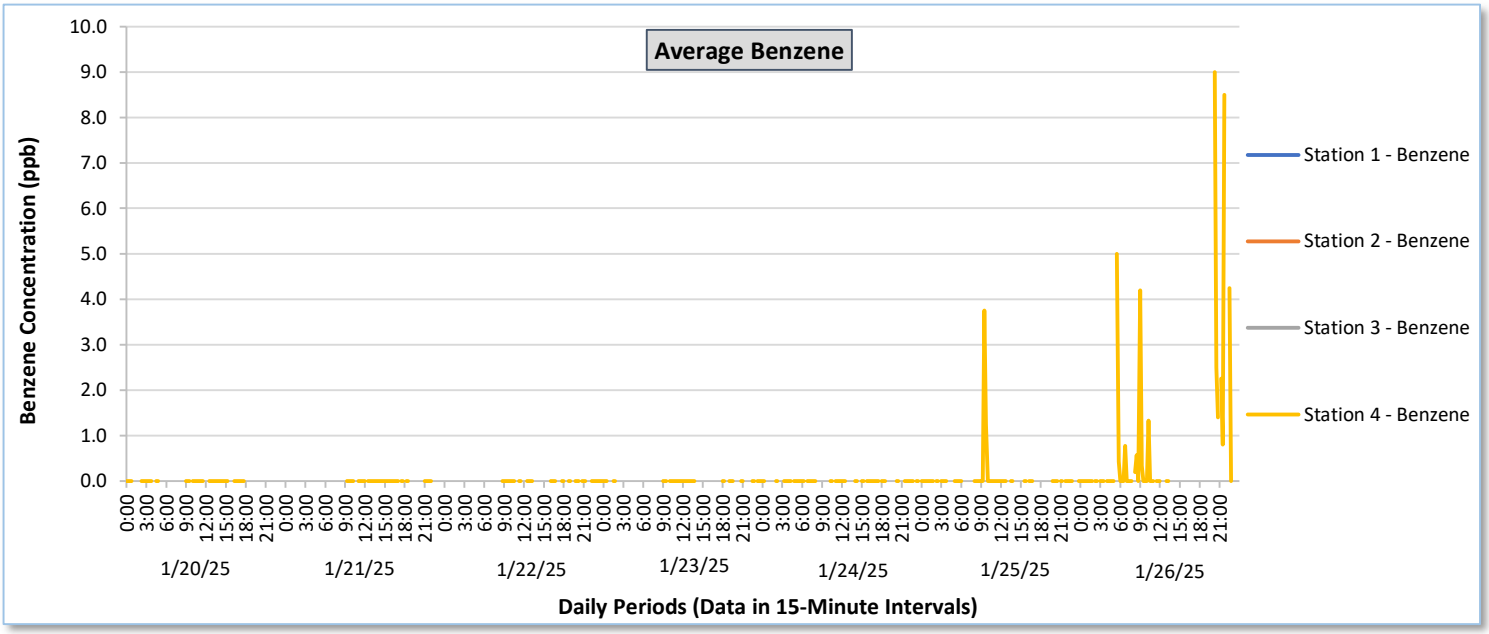
Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring
Bristol Landfill Air Investigation

January 20 - January 26, 2025





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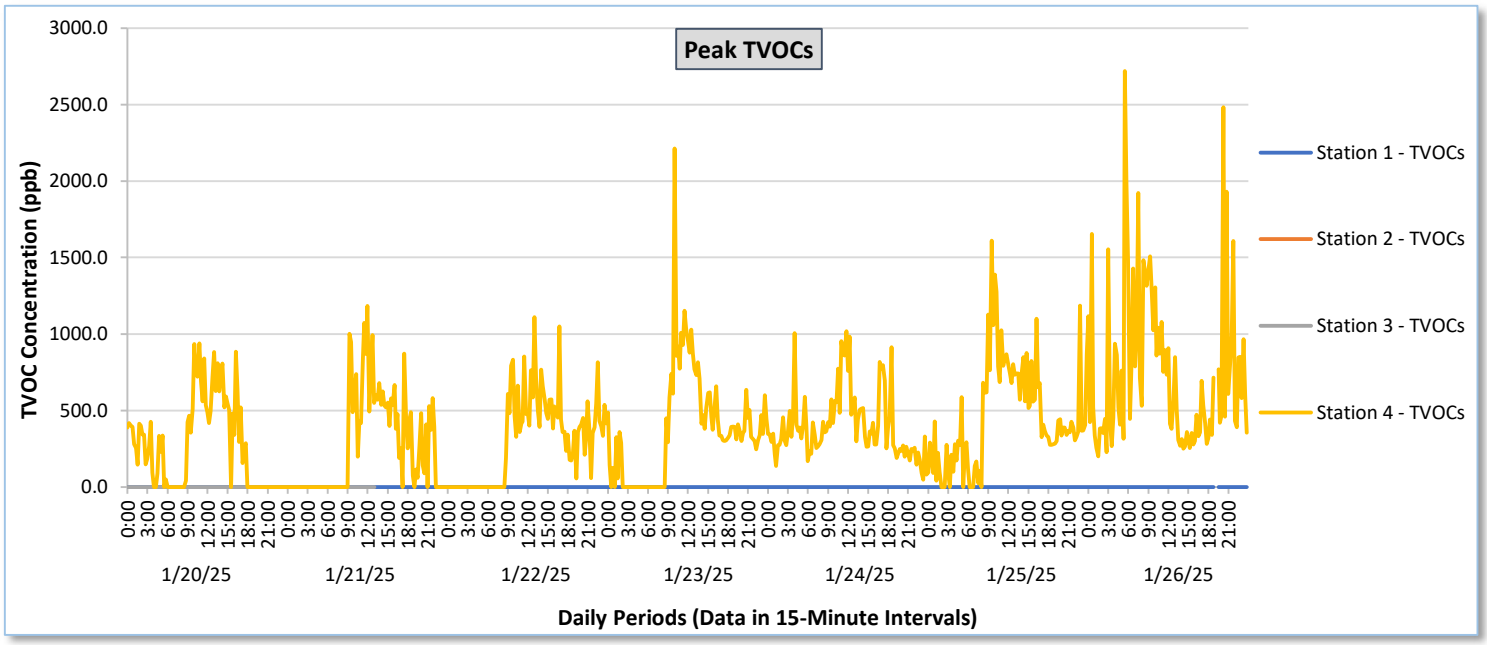

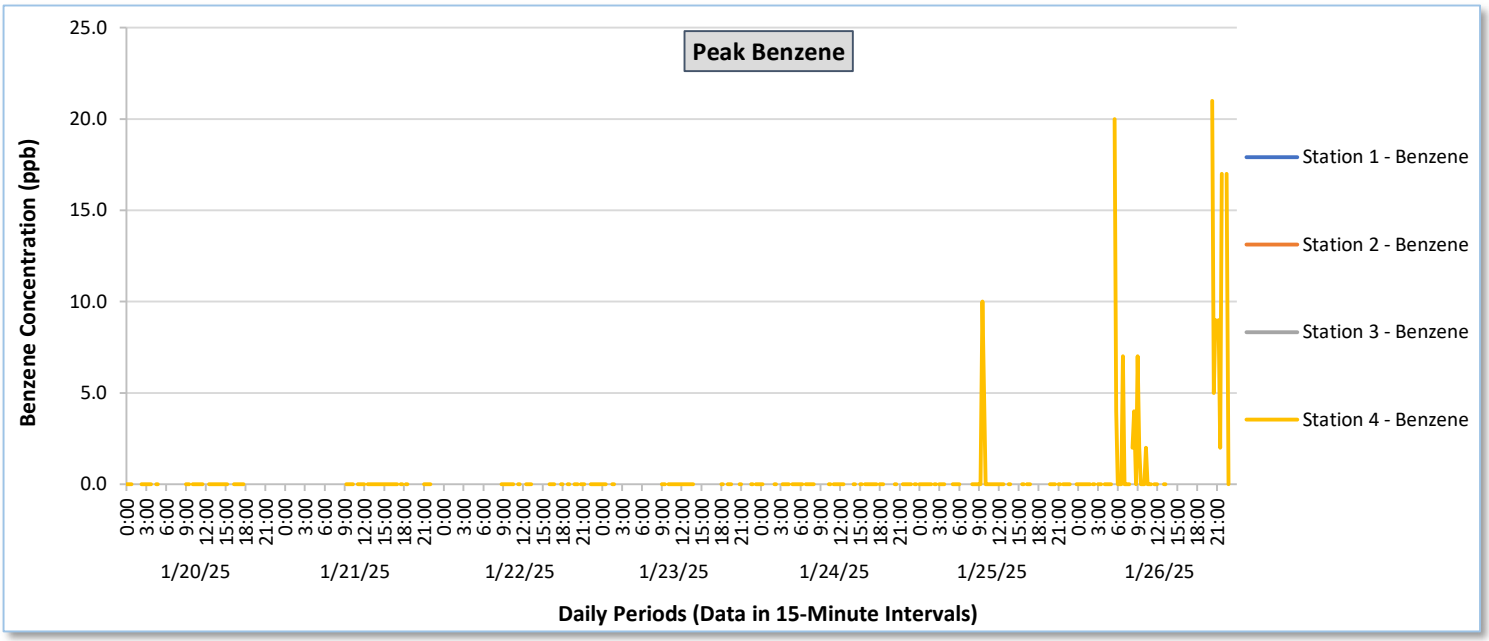

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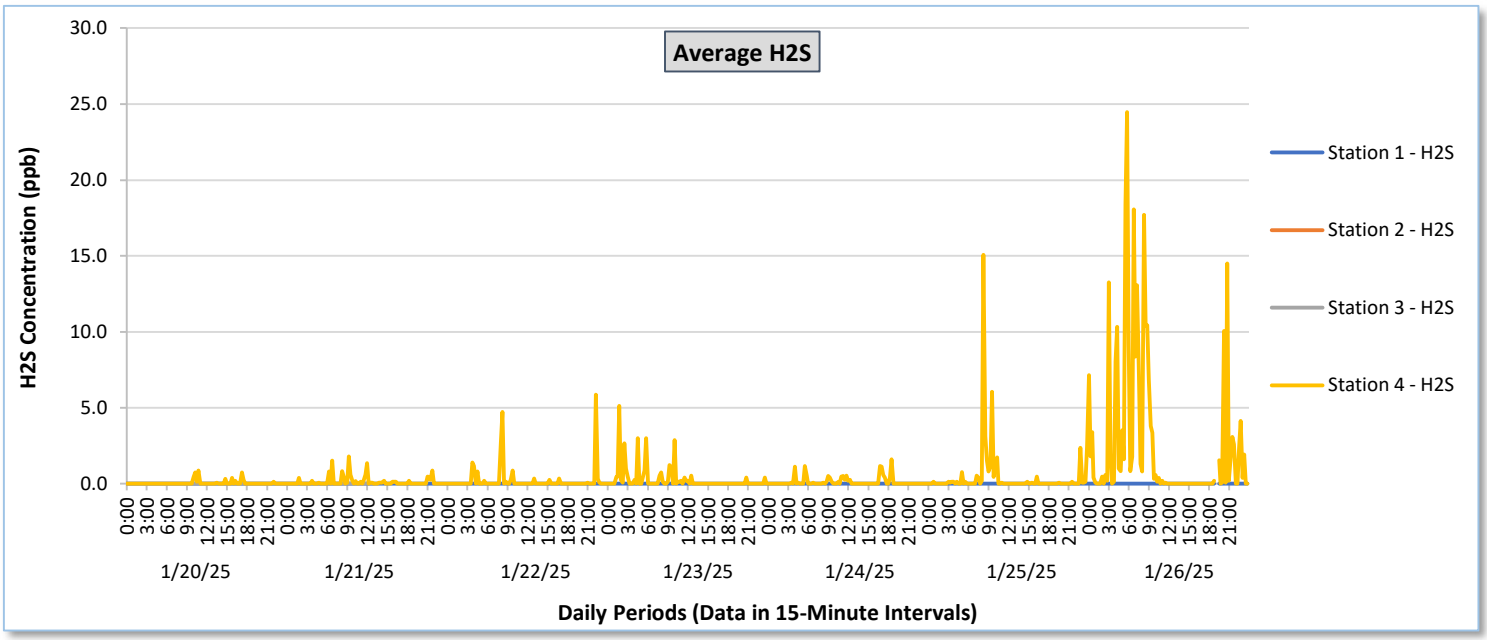

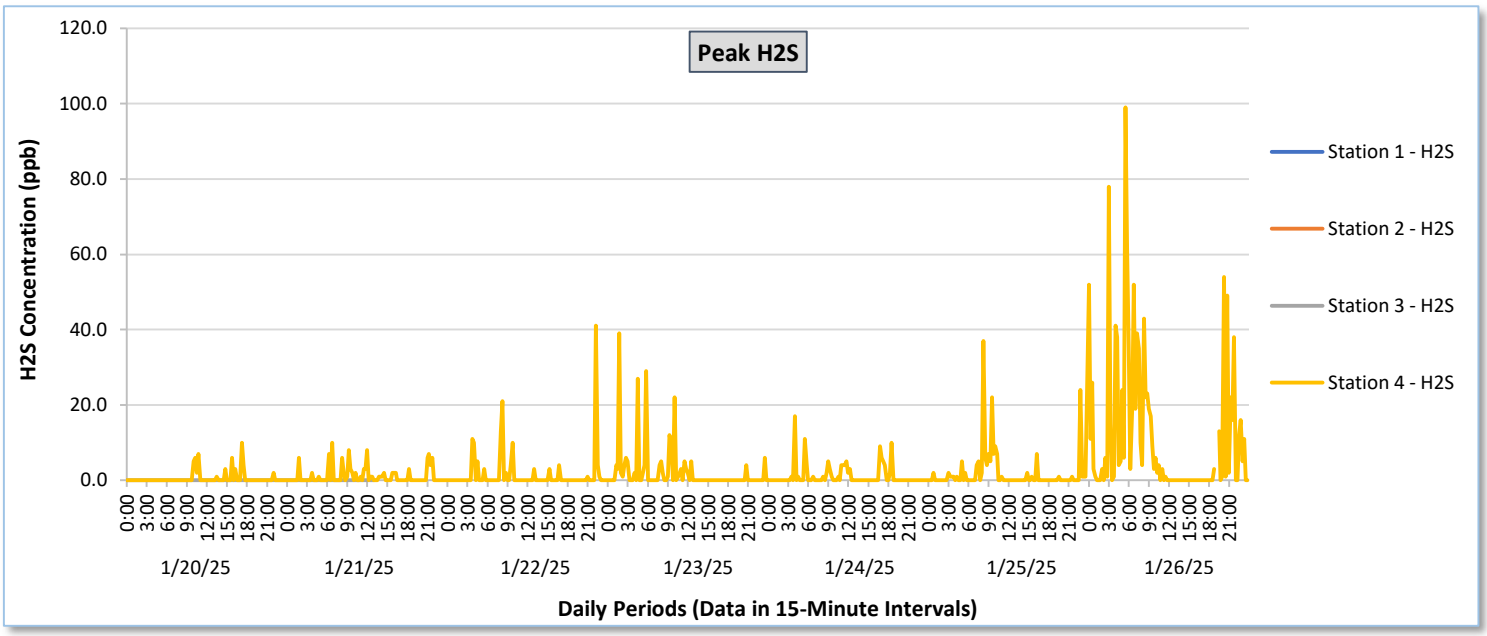

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Date	Daily Statistics	Station 1						Station 2						Station 3						Station 4					
		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene	
		Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb
		Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.
January 20, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	510.1	939.0	0.9	10.0	0.0	0.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	102.4	274.3	0.0	0.5	0.0	0.0
January 21, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	401.1	1,183.0	1.8	10.0	0.0	0.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	73.3	268.2	0.1	1.1	0.0	0.0
January 22, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	530.3	1,112.0	5.9	41.0	0.0	0.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	122.9	301.1	0.2	1.4	0.0	0.0
January 23, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	823.3	2,213.0	5.1	39.0	0.0	0.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	226.9	379.4	0.3	2.2	0.0	0.0
January 24, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	47.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	584.7	1,019.0	1.6	17.0	0.0	0.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	192.5	403.0	0.1	1.1	0.0	0.0
January 25, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	830.1	1,610.0	15.1	37.0	3.8	10.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	246.5	463.7	0.4	2.0	0.1	0.2
January 26, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67.5	201.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	894.6	2,719.0	24.5	99.0	9.0	21.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	354.6	755.5	2.7	11.6	0.8	2.3

Notes:
- Data records with a dash indicate no data is available for that interval.
- Calibration readings and data produced during periods of sensor downtime and/or maintenance are excluded from the report.
- Station 2 shut down 7/30/2024 and is undergoing maintenance.
- The CTair monitoring systems at each station are programmed to initiate benzene sampling when a TVOC reading of ≥ 160 ppb is measured. It has been observed that there are occurrences of TVOC readings ≥ 160 ppb where the benzene sampling was not initiated. The affected stations and periods are detailed in the monitoring systems daily reports. The equipment supplier has been notified of this issue and a corrective action will be implemented when provided.
- As discussed with the manufacturer of the H2S sensor, there is high likelihood that the H2S sensor has cross sensitivity with other sulfur compounds, including, but are not limited to, carbonyl sulfide, dimethyl sulfide, dimethyl disulfide, and methyl mercaptan. The potential for cross sensitivity with other reduced sulfur compounds must be considered when interpreting H2S levels recorded by the sensors.
- Station 3 went offline 1/21/2024 14:00 and remained offline though the end of this report period.

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Date	Daily Statistics	Bristol Met Station				
		Wind Direction degrees	Wind Speed mph	Temperature °F	Relative Humidity %	Barometric Pressure mbar
January 20, 2025	Minimum		0.0	9.3	48.0	953.0
	Maximum		11.0	21.2	90.1	963.8
	Average	251.1	2.9	14.8	68.2	960.0
January 21, 2025	Minimum		0.0	5.4	44.7	960.0
	Maximum		8.0	17.8	86.7	965.1
	Average	192.8	1.8	12.4	67.2	962.6
January 22, 2025	Minimum		1.0	9.2	70.3	956.7
	Maximum		5.0	11.3	74.5	962.2
	Average	343.7	2.0	10.2	72.7	959.5
January 23, 2025	Minimum		-	-	-	954.8
	Maximum		-	-	-	957.8
	Average	-	-	-	-	956.4
January 24, 2025	Minimum		-	-	-	954.4
	Maximum		-	-	-	958.7
	Average	-	-	-	-	956.1
January 25, 2025	Minimum		-	-	-	958.6
	Maximum		-	-	-	962.5
	Average	-	-	-	-	960.0
January 26, 2025	Minimum		-	-	-	955.2
	Maximum		-	-	-	960.4
	Average	-	-	-	-	958.3

Notes:

- Dash/Blank data records indicate no data is available for that interval.
- Wind direction is a daily (24-hr) average value; with the origin of wind in degrees; clockwise from North calculated with vector averaging.
- The Met Station went offline 1/22/2024 02:00 and remained offline though the end of this report period.