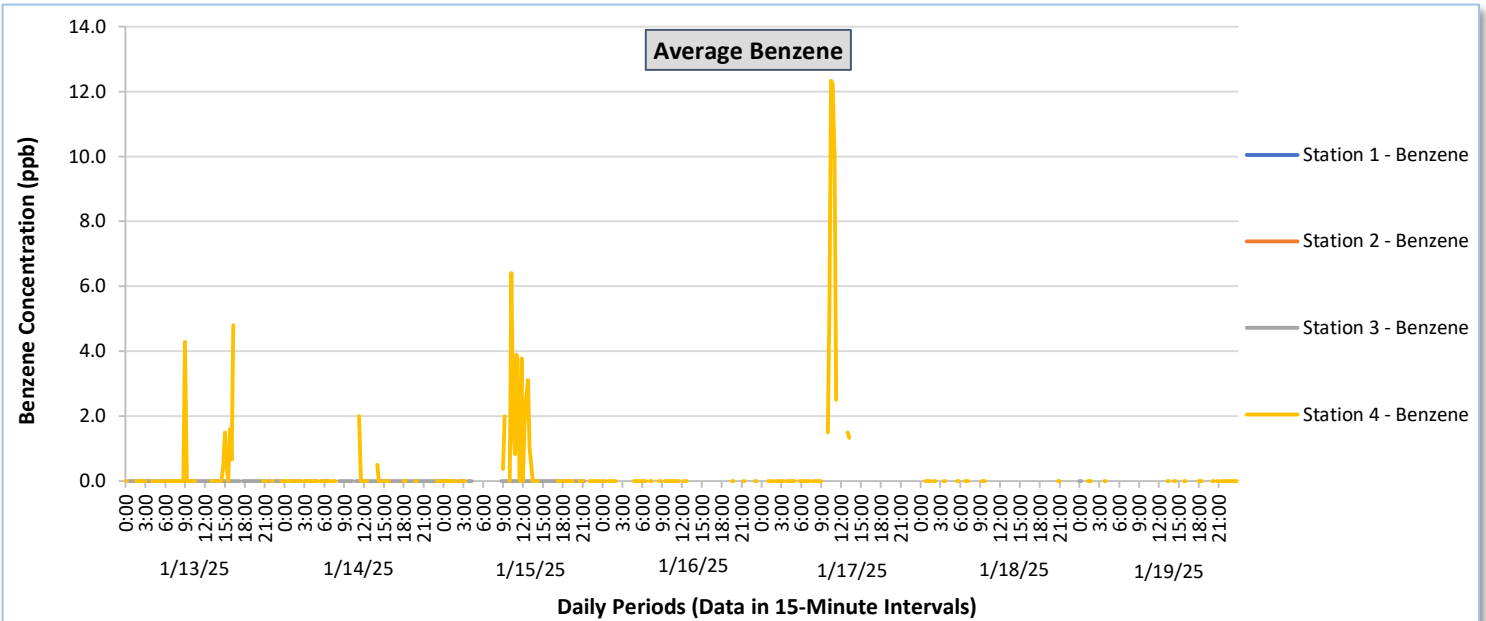
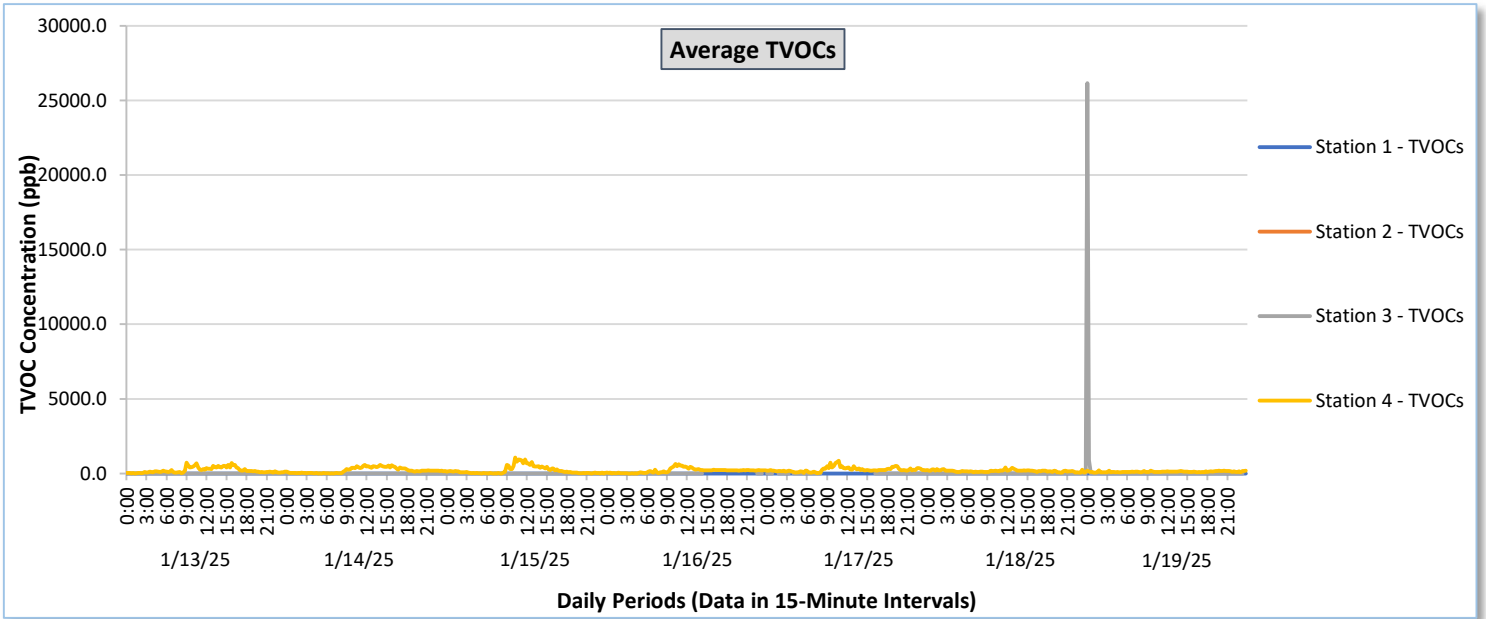




# Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring  
Bristol Landfill Air Investigation

January 13 - January 19, 2025

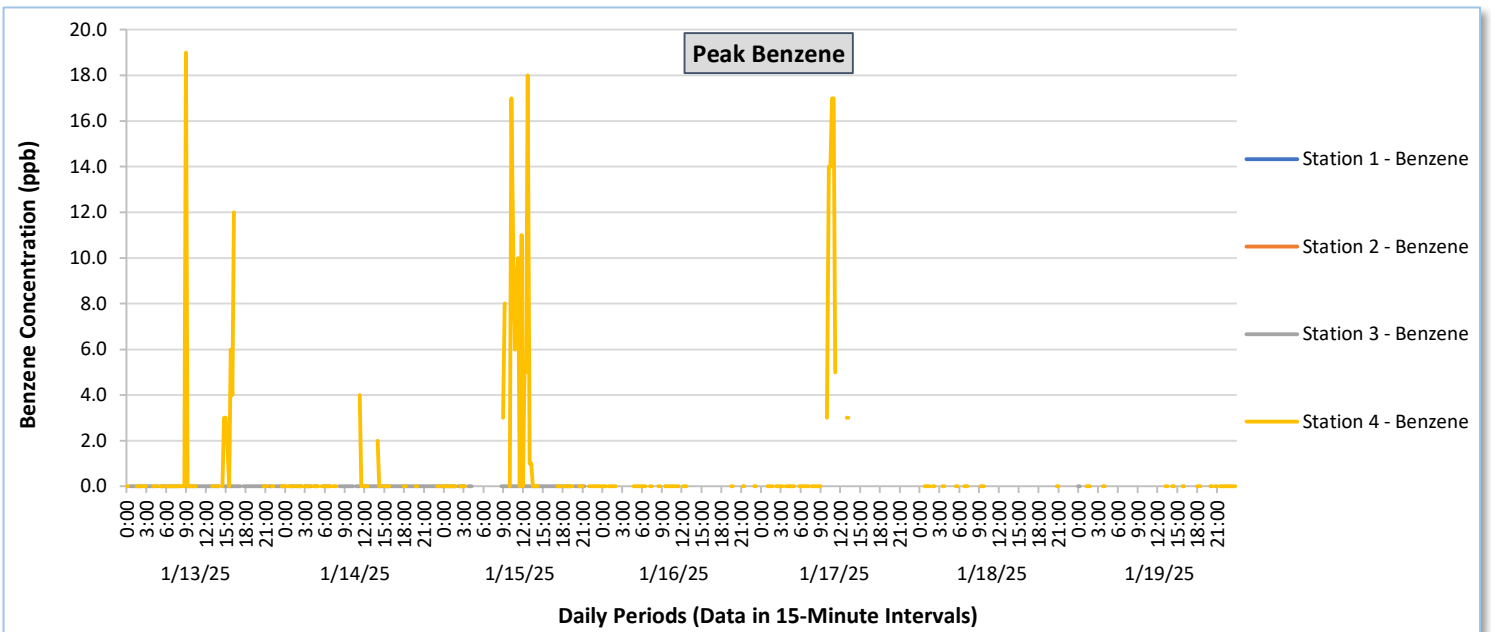
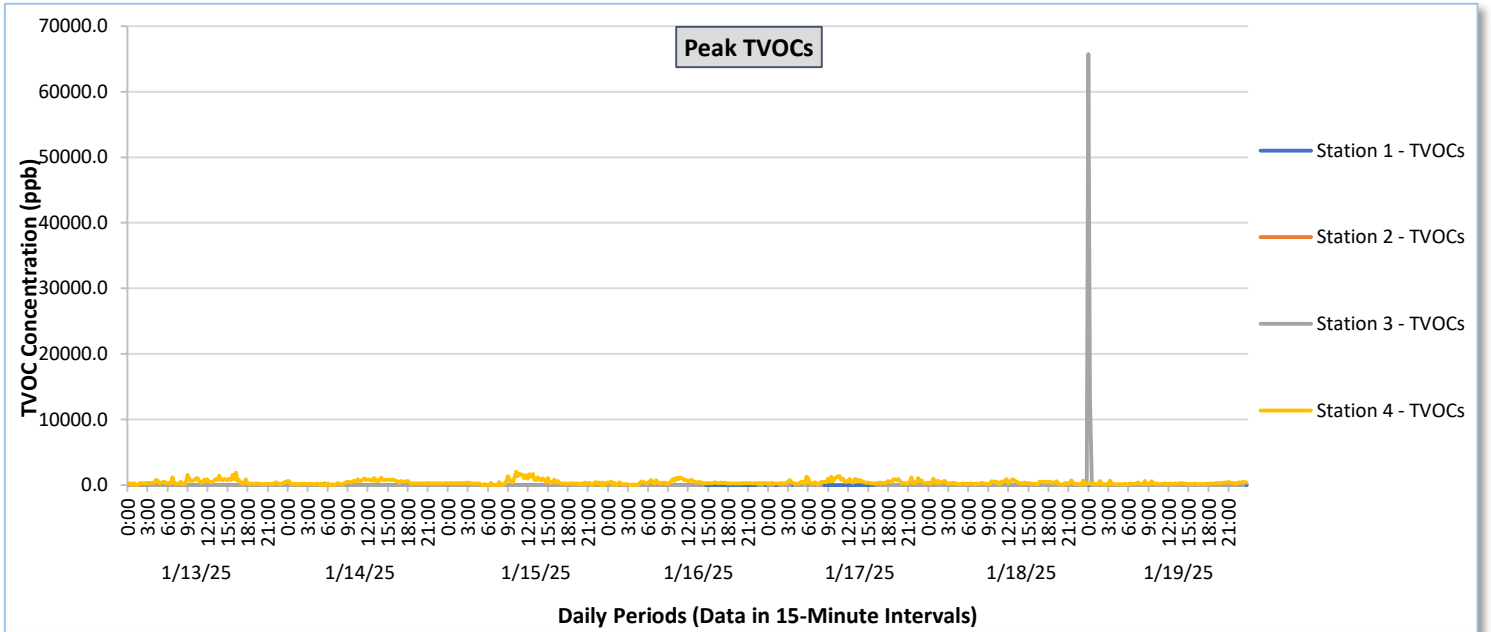




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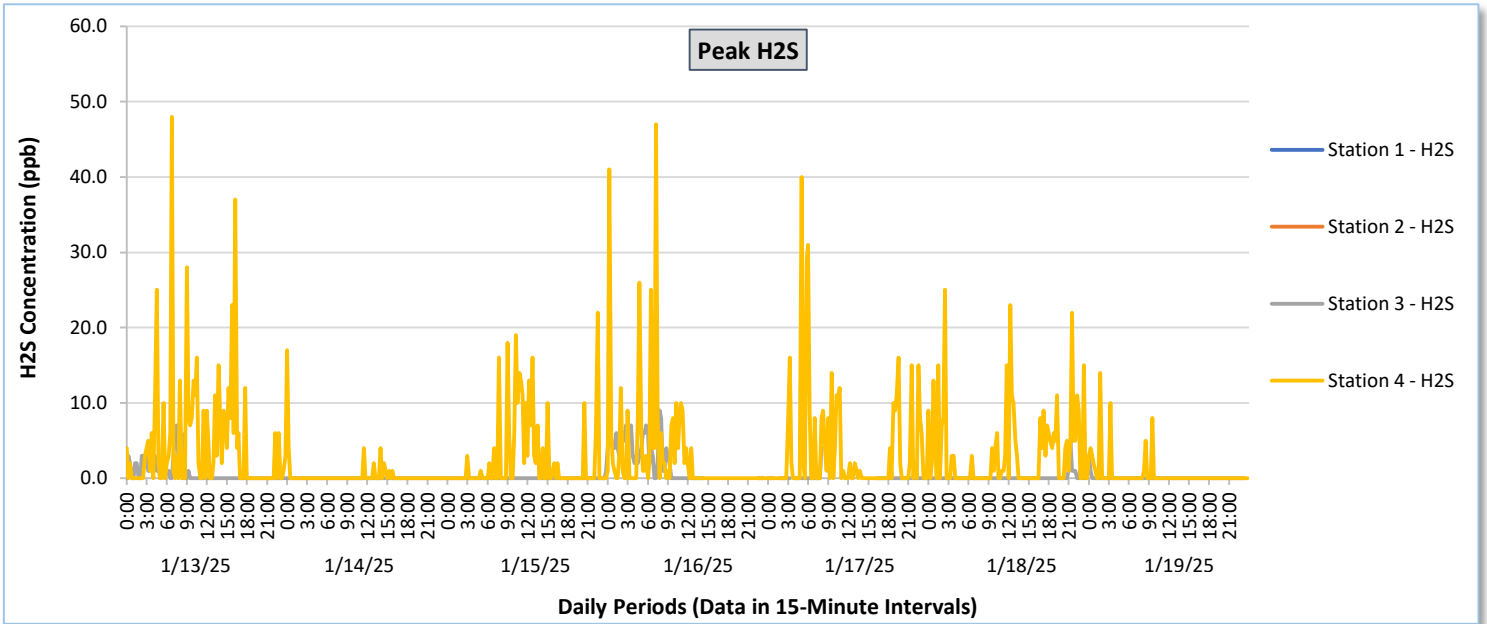
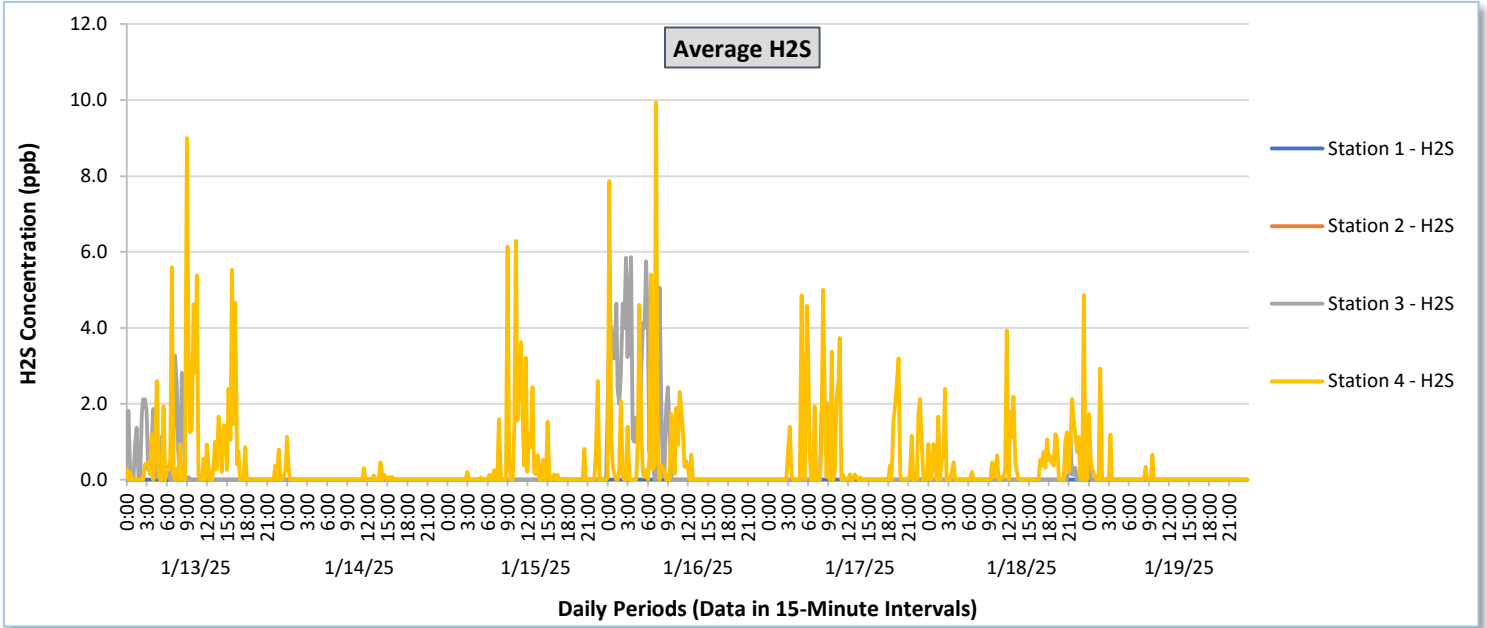




# Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring  
Bristol Landfill Air Investigation

January 13 - January 19, 2025





# Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring  
Bristol Landfill Air Investigation  
January 13 - January 19, 2025

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 13, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	723.5	1,910.0	9.0	48.0	4.8	19.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	215.2	459.6	0.8	4.7	0.2	0.8
January 14, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	583.9	1,101.0	1.1	17.0	2.0	4.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	217.9	384.9	0.0	0.4	0.1	0.2
January 15, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,068.5	2,026.0	6.3	22.0	6.4	18.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	212.4	456.9	0.4	2.5	0.5	1.7
January 16, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	644.5	1,140.0	9.9	47.0	0.0	0.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	196.7	354.3	0.5	3.1	0.0	0.0
January 17, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	37.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	862.4	1,319.0	5.0	40.0	12.3	17.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	264.7	486.1	0.6	3.5	1.2	2.0
January 18, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.0	59.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	422.2	936.0	4.9	25.0	5.8	11.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	164.0	317.8	0.4	3.4	0.5	0.9
January 19, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.3	79.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,144.5	65,745.0	0.7	3.0	0.0	0.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	287.7	842.4	0.0	0.0	0.0	0.0

**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  $\geq 160$  ppb is measured. It has been observed that there are occurrences of TVOC readings  $\geq 160$  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.



## Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring  
Bristol Landfill Air Investigation

January 13 - January 19, 2025

Date	Daily Statistics	Bristol Met Station				
		Wind Direction degrees	Wind Speed mph	Temperature °F	Relative Humidity %	Barometric Pressure mbar
January 13, 2025	Minimum		0.0	20.5	71.1	952.0
	Maximum		8.0	36.6	86.4	954.8
	Average	187.6	1.6	29.6	78.4	953.2
January 14, 2025	Minimum		0.0	19.8	39.7	954.6
	Maximum		15.0	35.9	81.5	958.9
	Average	237.0	3.6	28.1	61.1	956.5
January 15, 2025	Minimum		0.0	14.7	45.3	957.1
	Maximum		10.0	32.1	71.5	962.4
	Average	229.0	2.3	24.1	59.9	959.5
January 16, 2025	Minimum		0.0	18.2	52.4	945.8
	Maximum		15.0	42.6	74.7	957.1
	Average	128.4	2.1	25.7	67.4	950.4
January 17, 2025	Minimum		0.0	26.2	31.1	946.3
	Maximum		8.0	49.1	88.3	953.9
	Average	181.9	1.8	35.1	63.7	950.3
January 18, 2025	Minimum		0.0	34.2	59.4	940.4
	Maximum		15.0	47.7	96.1	946.3
	Average	198.9	1.7	40.7	83.4	943.0
January 19, 2025	Minimum		0.0	20.8	75.4	940.5
	Maximum		16.0	40.6	96.3	953.0
	Average	286.5	3.2	31.8	91.0	944.6

**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.