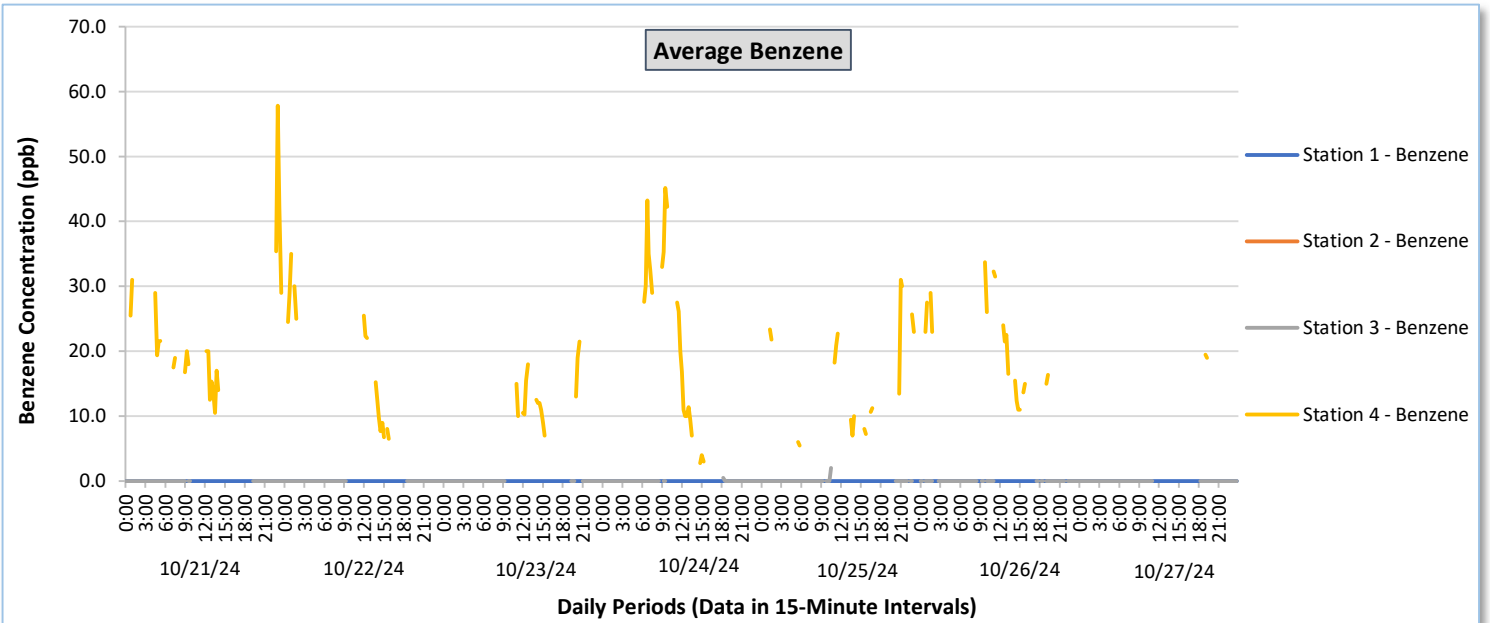
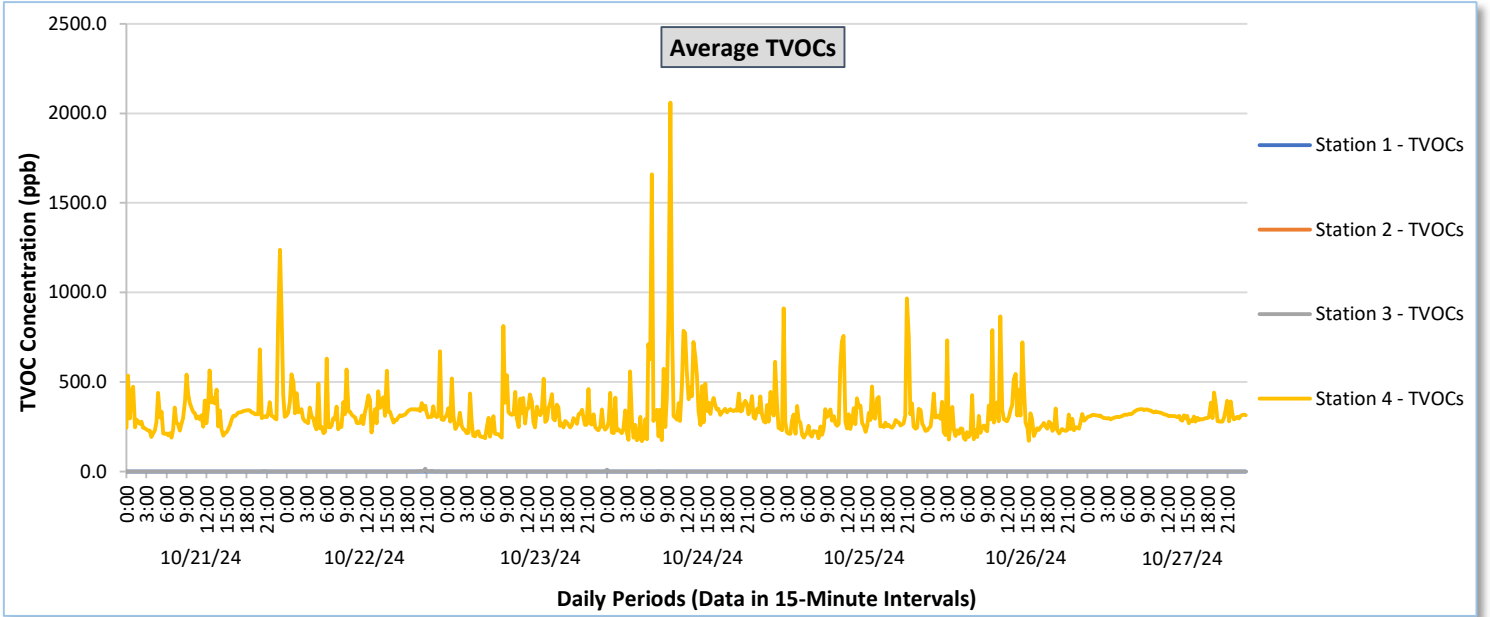




# Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring  
Bristol Landfill Air Investigation

October 21 - October 27, 2024

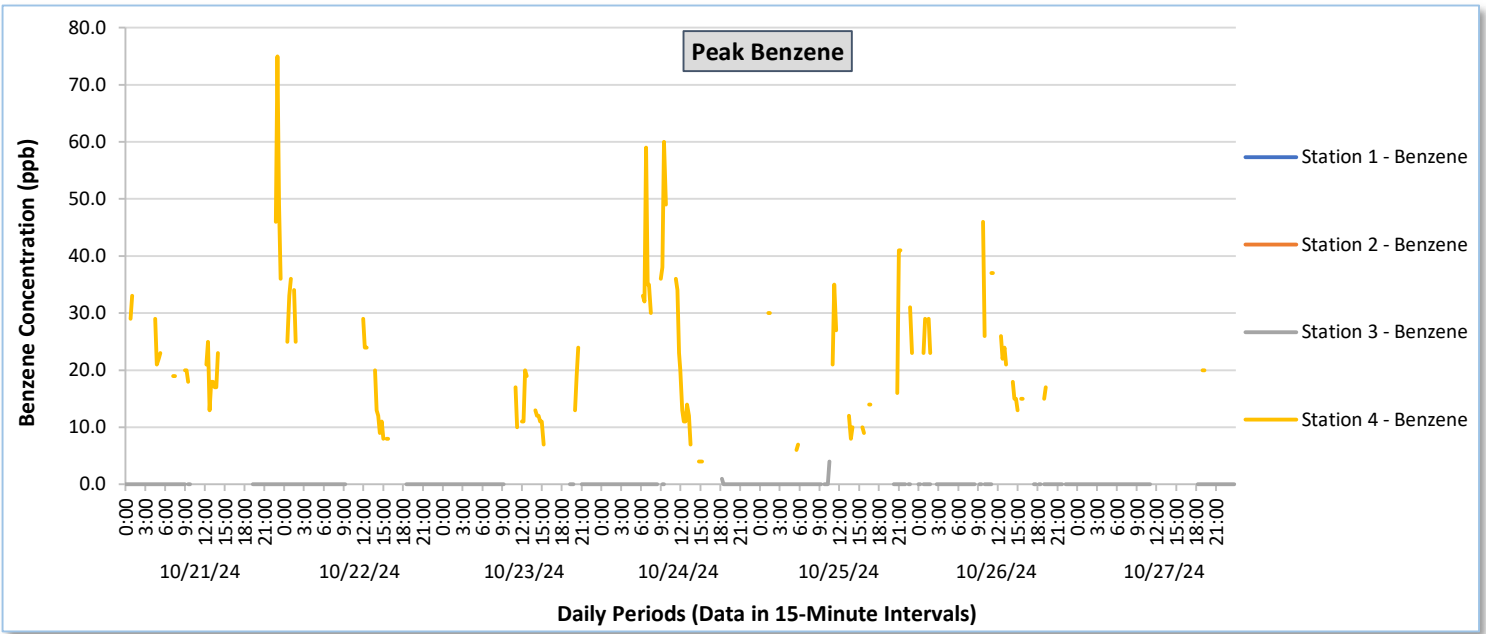
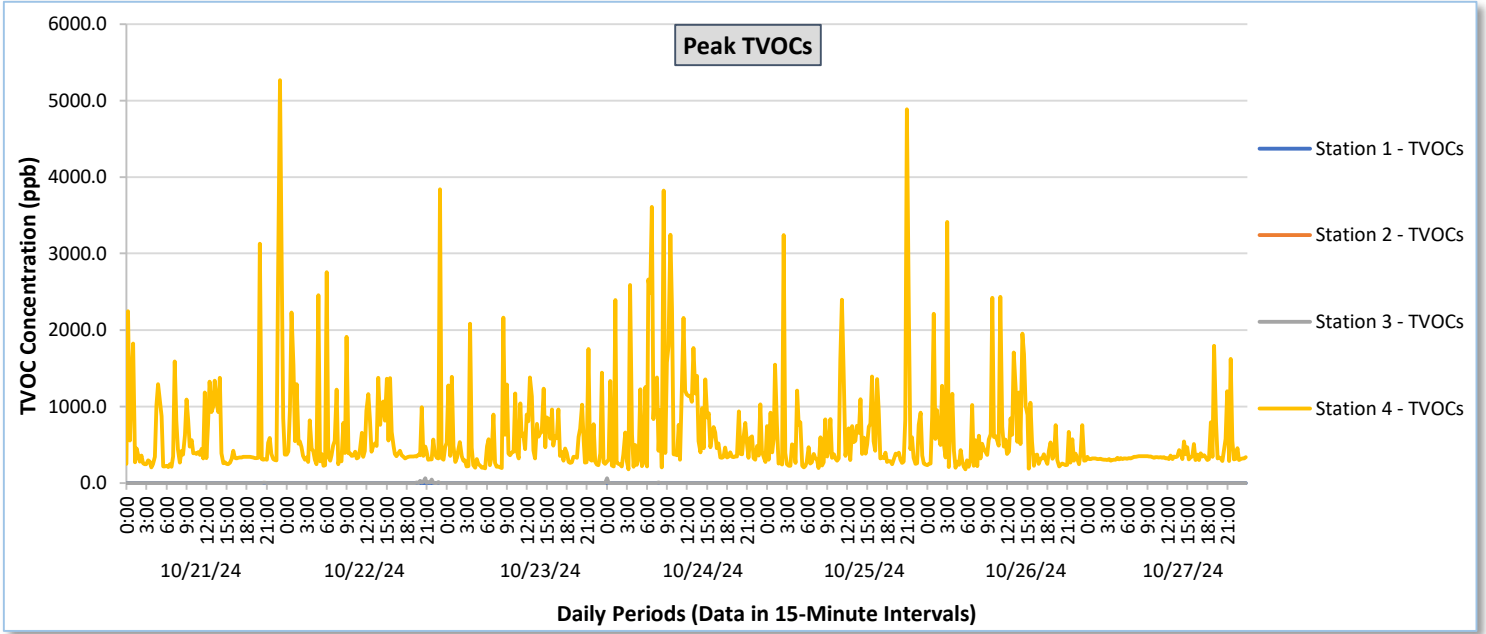




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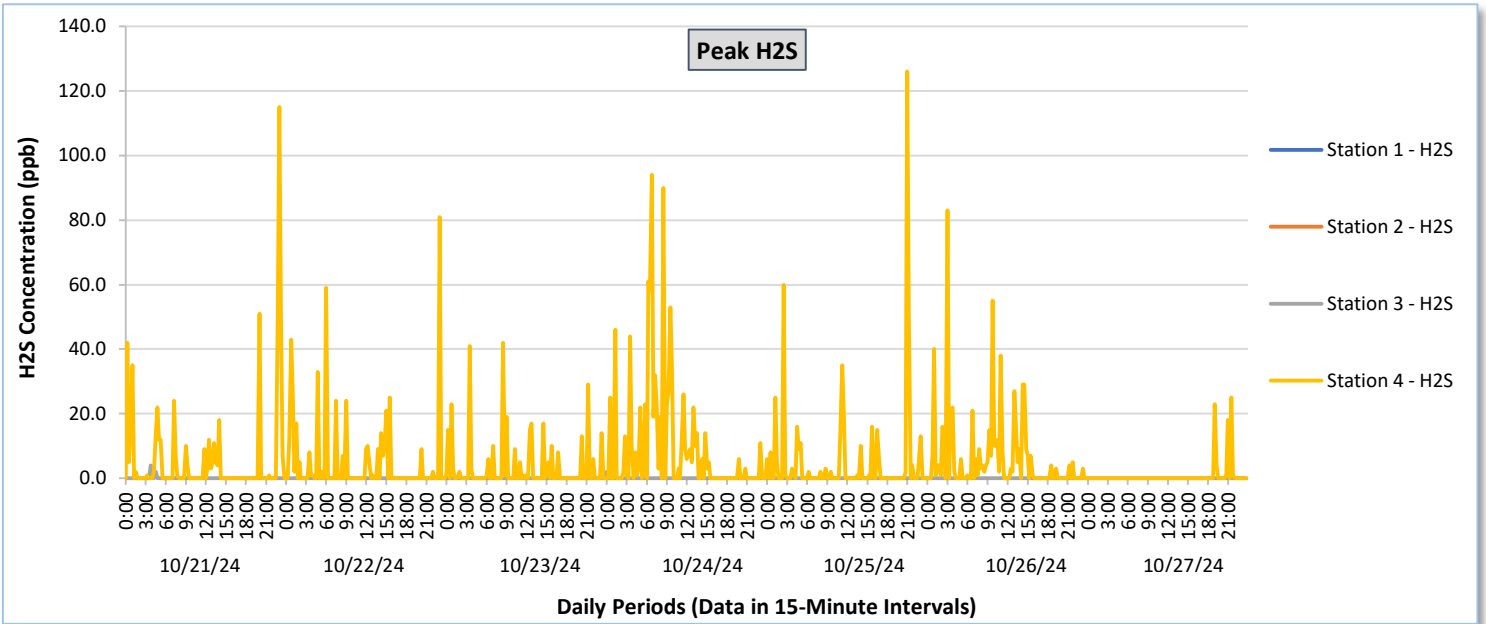
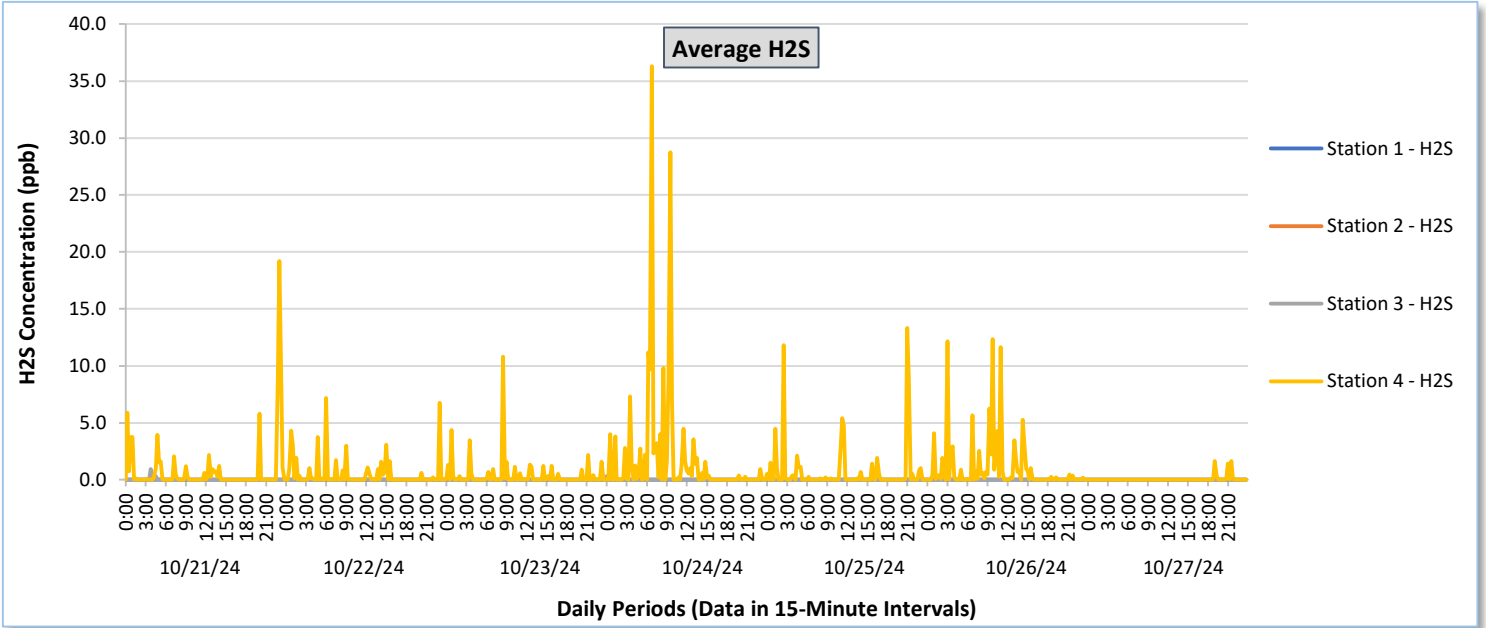
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## Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring  
Bristol Landfill Air Investigation  
October 21 - October 27, 2024

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.	
October 21, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	189.0	208.0	0.0	0.0	10.5	13.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.3	4.0	0.9	4.0	-	-	1,238.1	5,268.0	19.2	115.0	57.8	75.0
	Average	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	0.0	0.1	0.0	0.1	-	-	334.3	653.5	0.8	5.8	23.2	27.0
October 22, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	215.3	226.0	0.0	0.0	6.5	8.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	15.1	61.0	0.0	0.0	-	-	671.9	3,840.0	7.2	81.0	35.0	40.0
	Average	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	0.3	2.1	0.0	0.0	-	-	332.5	625.9	0.5	4.9	20.0	22.7
October 23, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	185.6	193.0	0.0	0.0	7.0	7.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	811.9	2,159.0	10.8	42.0	30.5	35.0
	Average	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	300.8	561.8	0.4	3.3	16.9	18.1
October 24, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	169.3	179.0	0.0	0.0	2.8	4.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	10.4	63.0	0.3	2.0	-	-	2,059.3	3,823.0	36.3	94.0	45.1	60.0
	Average	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	0.1	0.7	0.0	0.0	-	-	393.9	823.3	1.8	9.4	21.7	24.9
October 25, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	184.1	197.0	0.0	0.0	4.0	6.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	967.1	4,887.0	13.3	126.0	31.0	41.0
	Average	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	315.2	621.6	0.7	4.9	15.7	19.8
October 26, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	170.8	183.0	0.0	0.0	11.0	13.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	866.3	3,410.0	12.3	83.0	36.0	52.0
	Average	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	296.5	606.5	1.0	6.2	21.5	24.4
October 27, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	269.3	288.0	0.0	0.0	18.5	19.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	440.9	1,797.0	1.7	25.0	25.0	27.0
	Average	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	314.2	389.8	0.1	0.8	20.5	21.8

**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 on 7/30/2024 due to technical problems and is scheduled for 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.
- The Met Station experienced an outage due to system reconfiguration and shut down. Maintenance is scheduled.



## Perimeter Air Monitoring Weekly Report

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October 21 - October 27, 2024

Date	Daily Statistics	Bristol Met Station				
		Wind Dir degrees	Wind Speed mph	Temp °F	Rel Humidity %	Baro mbar
October 21, 2024	Minimum		0.0	-	-	957.5
	Maximum		-	-	-	961.0
	Average	-	-	-	-	959.1
October 22, 2024	Minimum		0.0	-	-	955.2
	Maximum		-	-	-	959.7
	Average	-	-	-	-	957.4
October 23, 2024	Minimum		0.0	-	-	951.5
	Maximum		-	-	-	956.1
	Average	-	-	-	-	954.1
October 24, 2024	Minimum		0.0	-	-	951.2
	Maximum		-	-	-	954.2
	Average	-	-	-	-	952.6
October 25, 2024	Minimum		0.0	-	-	954.0
	Maximum		-	-	-	957.2
	Average	-	-	-	-	955.4
October 26, 2024	Minimum		0.0	-	-	955.8
	Maximum		-	-	-	959.6
	Average	-	-	-	-	957.4
October 27, 2024	Minimum		0.0	-	-	957.4
	Maximum		-	-	-	959.7
	Average	-	-	-	-	958.5

**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.