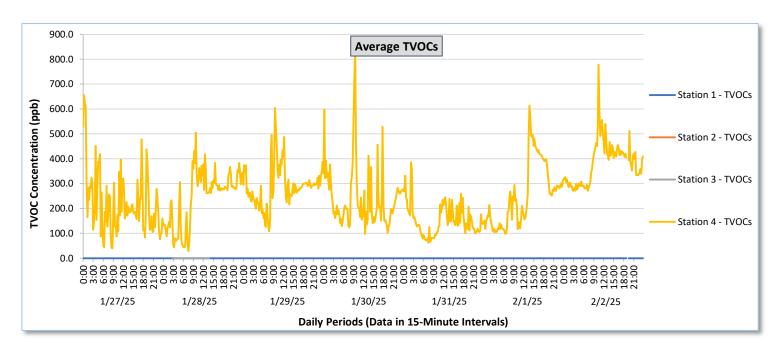
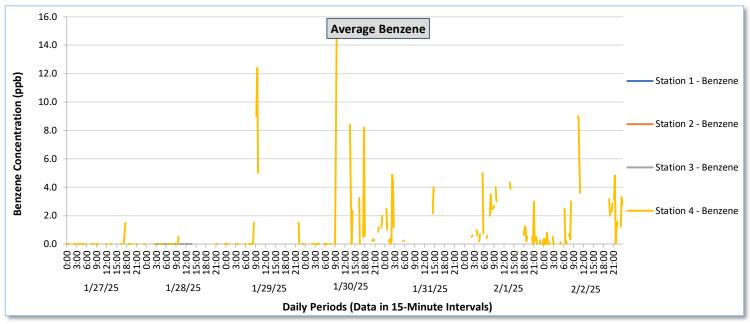


Real-Time Multigas Monitoring Bristol Landfill Air Investigation January 27 - February 2, 2025







1800.0

1600.0 1400.0

1200.0 1000.0

800.0

600.0 400.0

0.0

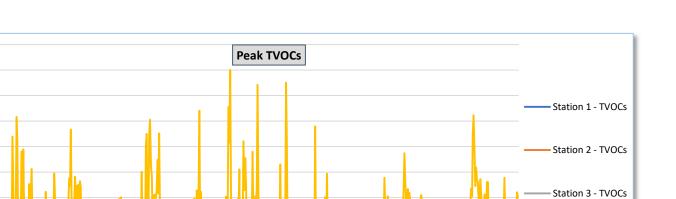
1/27/25

1/28/25

1/29/25

TVOC Concentration (ppb)

Real-Time Multigas Monitoring Bristol Landfill Air Investigation January 27 - February 2, 2025

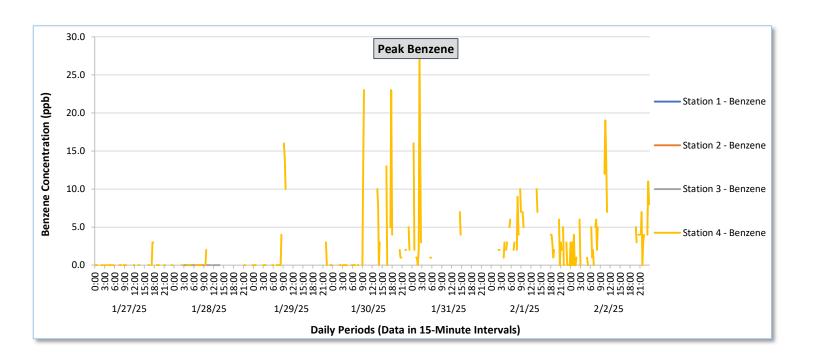


1/31/25

2/1/25

2/2/25

Station 4 - TVOCs



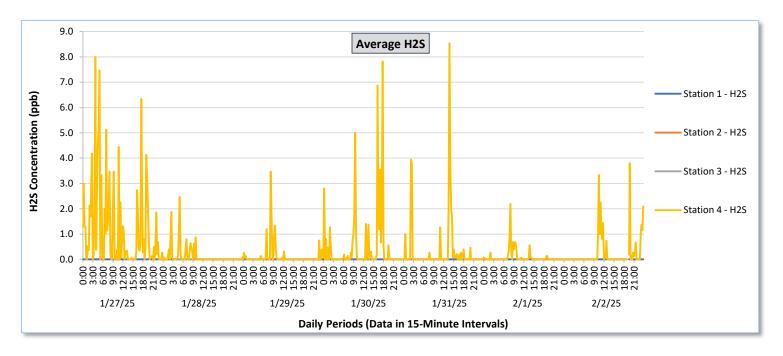
1/30/25

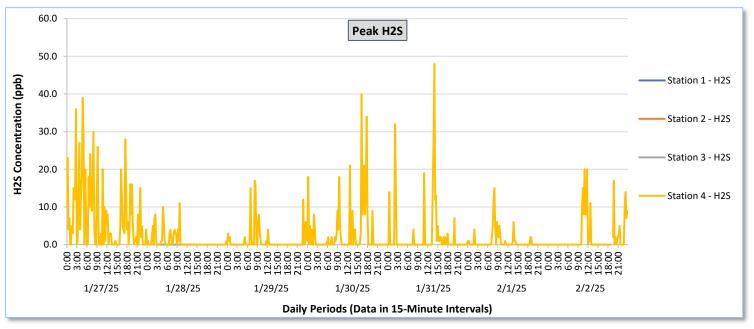
Daily Periods (Data in 15-Minute Intervals)

) Stantec

Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring Bristol Landfill Air Investigation January 27 - February 2, 2025







Real-Time Multigas Monitoring Bristol Landfill Air Investigation January 27 - February 2, 2025

				64	4							- rebruar	, ,				1 2					64 -	4		
Date	Daily Statistics	Station 1 TVOCS H2S Benzene					Station 2 TVOCs H2S Benzene					Station 3 TVOCs H2S Benzene						Station 4 TVOCs H2S Benzene							
		Average	· · ·	Average		Average		Average	<u> </u>	Average	$\overline{}$	Average		Average		Average									
		ppb Values from 15-minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15-minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15-minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15-minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15-minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15-minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15- minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15- minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15- minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15- minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15- minute intervals.	1-minute max within each 15 minute interval.	ppb Values from 15- minute intervals.	1-minute max within each 15 minute interval.
January 27, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.6	73.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-				-			-	-	-	-	-	-	-	656.4	1,673.0	8.0	39.0	1.5	3.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	223.1	551.8	1.2	7.6	0.1	0.2
January 28, 2025	Minimum	0.0	0.0	0.0	0.0					-	-	-		0.0	0.0	0.0	0.0	-	-	29.1	87.0	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			504.8	1,133.0	2.5	11.0	1.0	2.0
	Average	0.0	0.0	0.0	0.0	-				-	-		-	0.0	0.0	0.0	0.0	-	-	244.8	402.0	0.1	0.9	0.1	0.1
January 29, 2025	Minimum	0.0	0.0	0.0	0.0	-								-	-	-	-	-		107.8	142.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-		-	-	-	-	-							604.7	1,211.0	3.5	17.0	12.4	16.0
	Average	0.0	0.0	0.0	0.0	-	-	-				-			-	-				289.1	428.4	0.1	1.1	1.3	2.0
																I									
January 30, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-		-	-	-		-	-	-	-	98.6	112.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	•	-	•	-	•	-	840.1	1,600.0	7.8	40.0	14.6	23.0
	Average	0.0	0.0	0.0	0.0	-	-	•	-	-	-	-	-	•	•	•	-	·	-	243.0	414.9	0.5	3.0	1.7	3.4
January 31, 2025	Minimum	0.0	0.0	0.0	0.0	-	-		-	-	-	-	-	-	-	-	-	-	-	62.1	75.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-		-	-	-		-	385.4	1,501.0	8.5	48.0	4.9	28.0
	Average	0.0	0.0	0.0	0.0	-			-	-	-	-	-	-	-	-	-	-	-	153.6	271.4	0.3	2.3	1.6	6.2
February 1, 2025	Minimum	0.0	0.0	0.0	0.0	-					-	-		-	-	-	-	-	-	97.6	123.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-			-	-	-					-	-			613.8	948.0	2.2	15.0	5.0	10.0
	Average	0.0	0.0	0.0	0.0					-	-			-	-	-	-		-	254.4	348.5	0.1	0.8	1.4	3.7
February 2, 2025	Minimum	0.0	0.0	0.0	0.0				-		-	-			-	-	-	-	-	271.6	303.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-			-		-	-		-	-	-		-	778.5	1,245.0	3.8	20.0	9.0	19.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-			-	-		-	-	-			382.1	468.9	0.2	1.9	1.8	4.3

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 off line 1/21/2025 at 1315. Station 3 was on-line 1/28/2025 from 0300 to 1359. However, the station was off line for the remainder of this reporting period.due to equipment software updates.



Real-Time Multigas Monitoring Bristol Landfill Air Investigation

January 27 - February 2, 2025

		Bristol Met Station											
Date	Daily Statistics	Wind Direction degrees	Wind Speed	Temperature °F	Relative Humidity	Barometric Pressure _{mbar}							
2025	Minimum		-	-	-	947.8							
January 27, 2025	Maximum		-	-	-	955.3							
Janus	Average	-	-	-	-	951.4							
125	Minimum		0.0	27.7	64.1	944.7							
January 28, 2025	Maximum		15.0	36.1	94.3	949.7							
Januar	Average	228.4	3.0	30.3	88.3	947.3							
2025	Minimum		-	-		945.4							
January 29, 2025	Maximum		-	-	-	953.3							
Janus	Average	-	-	-	-	947.9							
2025	Minimum		-	-	-	949.1							
January 30, 2025	Maximum		-	-	-	956.6							
Janus	Average	-	-	-	-	952.9							
125	Minimum		-	-	-	942.5							
January 31, 2025	Maximum		-	-	-	950.1							
Januai	Average	-	-	-	-	945.5							
025	Minimum		-	-	-	944.8							
February 1, 2025	Maximum		-	-	-	956.9							
Febru	Average	-	-	-	-	953.2							
025	Minimum		-	-	-	952.4							
February 2, 2025	Maximum		-	-	-	957.4							
Febru	Average	-	-	-	-	955.0							

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.
- $The \ Met \ Station \ Station \ was \ on-line \ 1/28/2025, but \ remained \ off \ line \ for \ the \ remainder \ of \ this \ report \ period.$