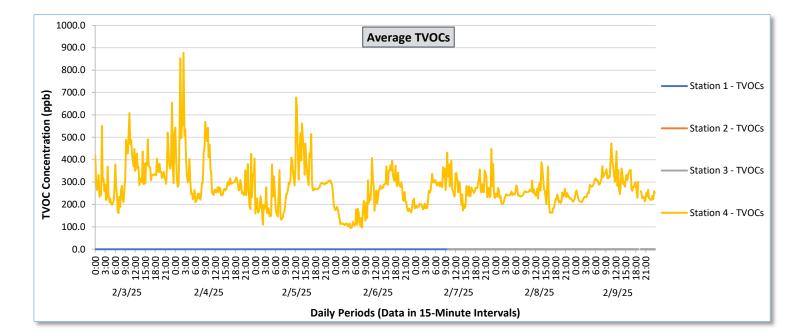
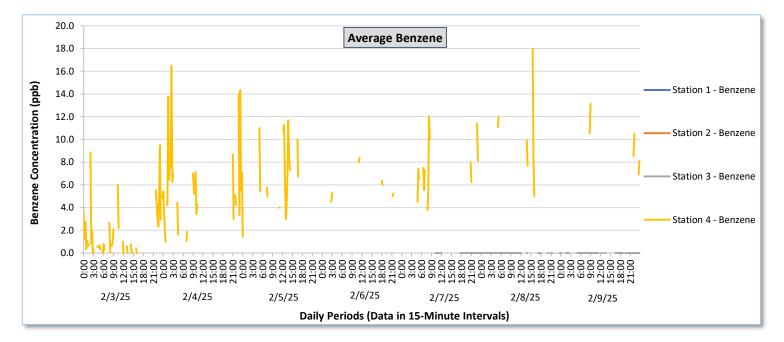


Real-Time Multigas Monitoring Bristol Landfill Air Investigation

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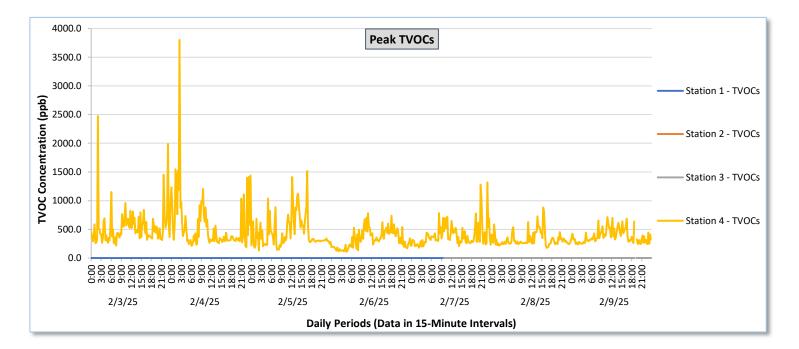


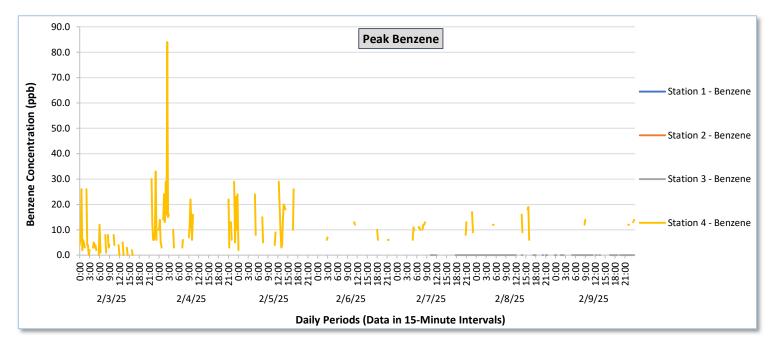




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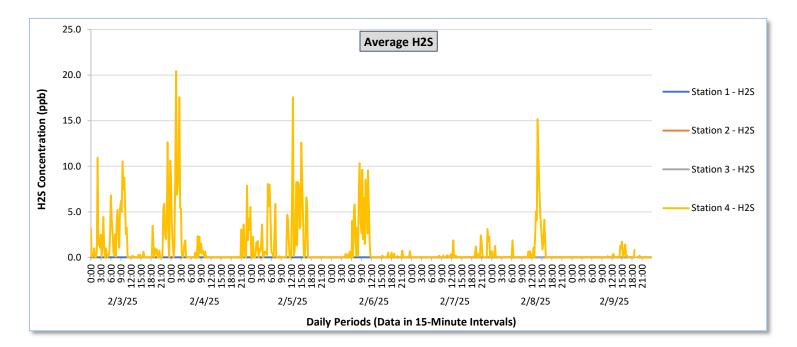
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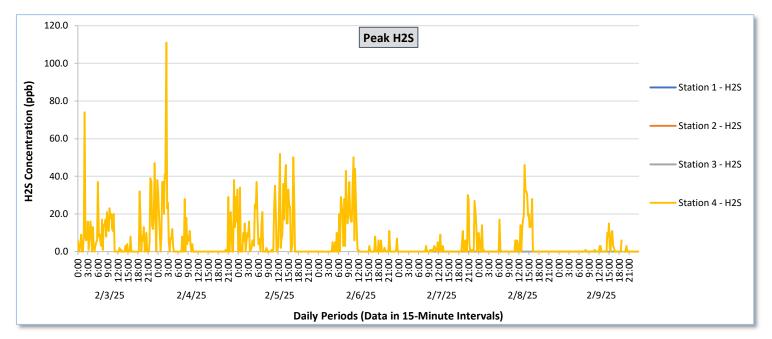






Real-Time Multigas Monitoring Bristol Landfill Air Investigation February 3 - February 9, 2025







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												- Februar											A		
Date		Station 1 TVOCs H2S Benzene			Station 2 TVOCs H2S Benzene				Station 3 TVOCs H2S Benzene				Station 4			Benzene									
		Average		H. Average		Average		Average		H Average	-	Average		Average		H. Average	-	Average		Average		H Average		Average	
		Values from 15-minute intervals.	Peak ppb 1-minute max within each 15 minute interval.	Values from 15- minute intervals.	Peak ppb 1-minute max within each 15 minute interval.																				
February 3, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	161.9	217.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0		-	-	-		-	-	-					-	-	655.0	2,472.0	12.6	74.0	9.5	33.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-			-		-	-	-	338.1	539.8	1.8	8.6	1.9	6.5
February 4, 2025	Minimum	0.0	0.0	0.0	0.0		-	-	-	-	-	-	-	-		-	-	-	-	179.3	191.0	0.0	0.0	1.0	3.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-		-	-	-		-	877.4	3,801.0	20.4	111.0	16.5	84.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-			-			-			-		329.2	563.4	1.5	7.6	6.0	15.4
February 5, 2025	Minimum	0.0	0.0	0.0	0.0															109.7	131.0	0.0	0.0	1.4	2.0
	Maximum	0.0	0.0	0.0	0.0		-	-	-	-		-			-					678.3	1,517.0	17.6	52.0	11.7	29.0
	Average	0.0	0.0	0.0	0.0	-	-	-		-	-	-						-		283.6	453.5	1.7	8.3	6.7	13.2
_																									
5, 2025	Minimum	0.0	0.0	0.0	0.0	•	-	-	-	-	-	-	-	•	•	-	-	-	•	94.8	108.0	0.0	0.0	4.5	6.0
February 6, 2025	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-		-			•	•	•	-	•	407.5	780.0	10.3	50.0	8.4	13.0
<u> </u>	Average	0.0	0.0	0.0	0.0	-	-	-	-		-	-	-		-			-	-	213.7	332.6	1.1	5.9	6.1	8.3
February 7, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	-				-	-	0.0	0.0	0.0	0.0	-	-	173.2	182.0	0.0	0.0	3.8	6.0
	Maximum	0.0	0.0	0.0	0.0		-	-	-		-	-	-	0.0	0.0	0.0	0.0	-	-	448.2	1,318.0	3.1	30.0	12.0	17.0
	Average	0.0	0.0	0.0	0.0		-					-		0.0	0.0	0.0	0.0	-		270.2	398.5	0.2	1.9	7.4	11.3
February 8, 2025	Minimum	0.0	0.0	0.0	0.0	-								0.0	0.0	0.0	0.0			162.2	177.0	0.0	0.0	5.0	6.0
	Maximum	0.0	0.0	0.0	0.0		-					-		0.0	0.0	0.0	0.0			388.8	880.0	15.2	46.0	18.0	19.0
	Average	0.0	0.0	0.0	0.0		-	-						0.0	0.0	0.0	0.0	-		242.8	328.9	0.7	3.9	10.3	13.1
February 9, 2025	Minimum	0.0	0.0	0.0	0.0			-		-		-		0.0	0.0	0.0	0.0	-		209.4	236.0	0.0	0.0	6.9	12.0
	Maximum	0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0			472.8	714.0	1.7	15.0	13.1	14.0
	Average	0.0	0.0	0.0	0.0		-					-		0.0	0.0	0.0	0.0	-		286.3	381.3	0.1	0.8	9.9	13.0
	I																								

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 1/28/2025 at 1400 through 2/7/2025 at 0944. Station 3 on-line 2/7/2025 at 0945 and on-line for the remainder of the period.



Real-Time Multigas Monitoring Bristol Landfill Air Investigation

February 3 - February 9, 2025

		Bristol Met Station											
Date	Daily Statistics	Wind Direction degrees	Wind Speed	Temperature °F	Relative Humidity %	Barometric Pressure mbar							
February 3, 2025	Minimum		-	-	-	949.2							
	Maximum		-	-	-	955.6							
Febr	Average	-	-	-	-	952.7							
February 4, 2025	Minimum		-	-	-	950.2							
	Maximum		-	-	-	955.0							
Febru	Average	-	-	-	-	953.0							
025	Minimum		-	-	-	950.6							
February 5, 2025	Maximum		-	-	-	955.3							
Febru	Average	-	-	-	-	953.3							
)25	Minimum		-	-	-	946.6							
February 6, 2025	Maximum		-	-	-	950.9							
Februa	Average	-	-	-	-	948.0							
125	Minimum		0.0	42.5	21.6	948.6							
February 7, 2025	Maximum		10.0	57.4	60.3	956.1							
Febru	Average	210.7	2.4	50.8	37.0	953.8							
325	Minimum		0.0	44.4	52.6	945.0							
ary 8, 2025	Maximum		25.0	69.7	76.2	953.1							
Februar	Average	157.1	4.9	55.3	65.6	949.0							
025	Minimum		0.0	44.5	44.9	944.8							
February 9, 2025	Maximum		17.0	64.2	86.4	956.2							
Febru	Average	268.8	4.4	52.9	71.0	952.0							
Notes:													

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 went offline 1/28/2025, then returned online 2/7/2025.