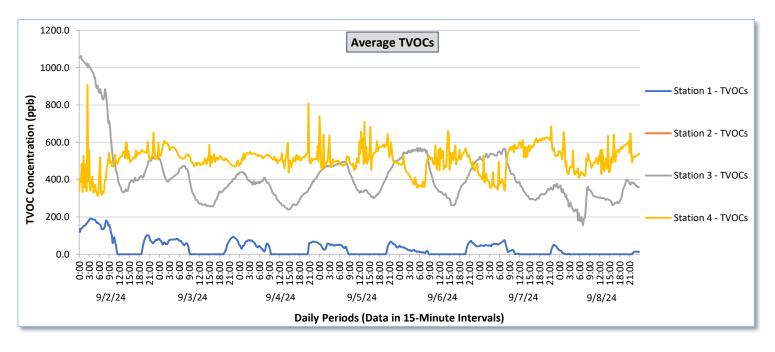
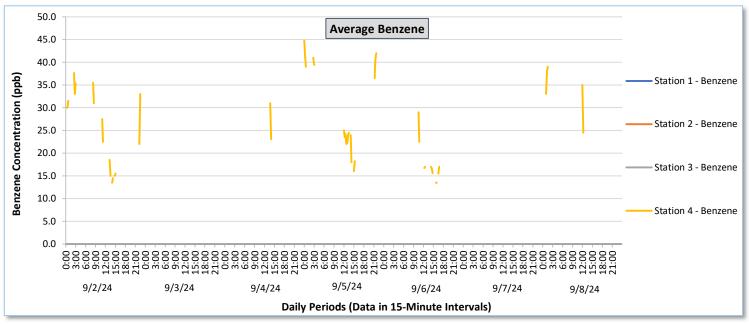


Real-Time Multigas Monitoring Bristol Landfill Air Investigation

September 2 - September 8, 2024

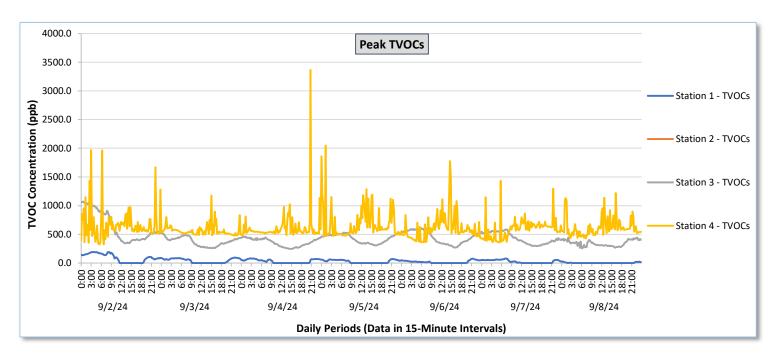


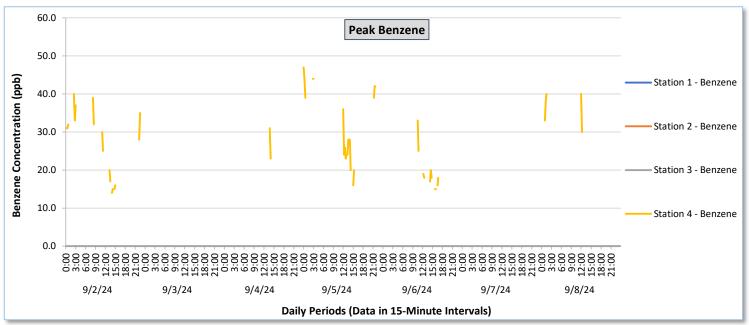




Real-Time Multigas Monitoring Bristol Landfill Air Investigation

September 2 - September 8, 2024

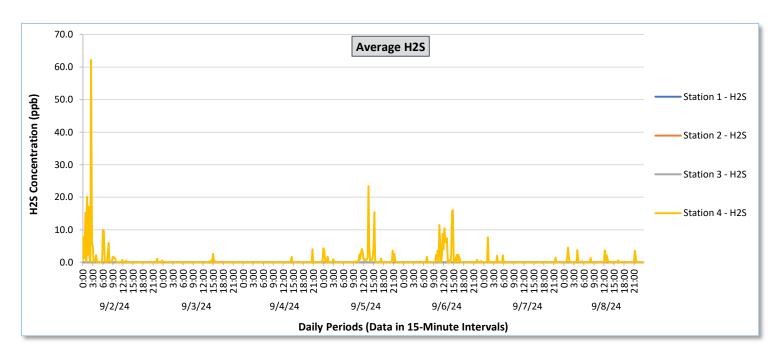


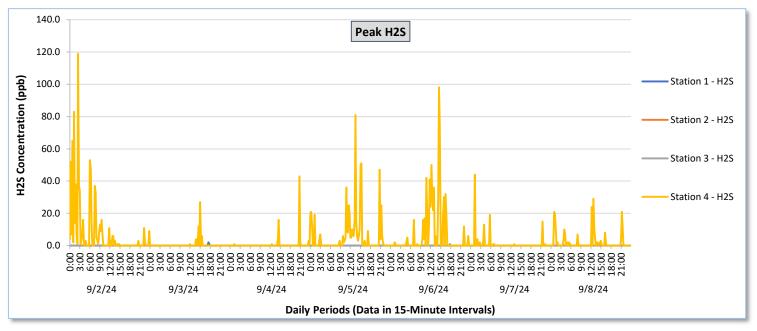


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Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring Bristol Landfill Air Investigation September 2 - September 8, 2024







Real-Time Multigas Monitoring Bristol Landfill Air Investigation September 2 - September 8, 2024

		Station 1					Station 2					Station 3				Station 4									
Date		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene	
		Average	Peak ppb	Average	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						
	Daily Statistics	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.																				
September 2, 2024	Minimum	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	330.4	342.0	0.0	0.0	0.0	0.0	311.8	323.0	0.0	0.0	13.5	14.0
	Maximum	191.3	193.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	1,063.2	1,072.0	0.0	0.0	0.0	0.0	907.9	1,969.0	62.2	119.0	37.7	40.0
	Average	85.8	91.4	0.0	0.0	-	-	-	-	-	-	-	-	629.0	642.9	0.0	0.0	0.0	0.0	483.5	671.9	1.9	8.3	27.3	29.1
September 3, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	256.3	259.0	0.0	0.0	0.0	0.0	469.1	479.0	0.0	0.0	19.0	19.0
	Maximum	94.3	97.0	0.1	2.0	-	-	-	-	-		-	-	511.4	524.0	0.0	0.0	0.0	0.0	607.3	1,176.0	2.6	27.0	36.5	38.0
	Average	37.6	39.8	0.0	0.0	-	-	-	-	-		-	-	367.2	377.4	0.0	0.0	0.0	0.0	518.4	566.3	0.0	0.5	25.6	28.2
September 4, 2024	Minimum	0.0	0.0	0.0	0.0									239.0	244.0	0.0	0.0	0.0	0.0	437.7	484.0	0.0	0.0	23.0	23.0
	Maximum	75.8	78.0	0.0	0.0		_						_	440.9	464.0	0.0	0.0	0.0	0.0	806.6	3,367.0	4.1	43.0	46.7	49.0
	Average	27.6	30.2	0.0	0.0		_						_	345.0	359.3	0.0	0.0	0.0	0.0	520.4	614.6	0.1	0.7	32.1	35.5
, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	301.1	306.0	0.0	0.0	0.0	0.0	451.9	462.0	0.0	0.0	16.0	16.0
September 5,	Maximum	67.7	69.0	0.0	0.0	-	-	-	-	-	-	-	-	508.0	531.0	0.0	0.0	0.0	0.0	739.4	2,049.0	23.4	81.0	44.8	47.0
Sept	Average	23.5	25.8	0.0	0.0	-	-	-	-	-	-	-	-	415.6	427.7	0.0	0.0	0.0	0.0	528.5	690.1	1.0	6.0	30.1	32.5
2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	262.2	269.0	0.0	0.0	0.0	0.0	357.9	361.0	0.0	0.0	13.5	15.0
September 6, 2	Maximum	71.5	75.0	0.0	0.0		-		1	-		-	-	569.1	612.0	0.1	1.0	0.0	0.0	661.1	1,777.0	16.1	98.0	39.5	42.0
	Average	16.6	18.6	0.0	0.0		-	-	-	-	-	-	-	436.6	451.5	0.0	0.0	0.0	0.0	480.2	605.6	1.2	7.0	20.4	22.1
September 7, 2024	Minimum	0.0	0.0	0.0	0.0	-		-				-		290.4	295.0	0.0	0.0	0.0	0.0	340.2	357.0	0.0	0.0	22.5	27.0
	Maximum	74.9	77.0	0.0	0.0	-		-	-	-	-	-		566.8	584.0	0.0	0.0	0.0	0.0	685.5	1,431.0	7.7	44.0	33.5	36.0
	Average	24.1	26.7	0.0	0.0									415.6	431.9	0.0	0.0	0.0	0.0	517.6	594.7	0.1	1.1	29.9	33.0
\vdash																									
September 8, 2024	Minimum	0.0	0.0	0.0	0.0	-	•	-	-	-	•	-	•	155.8	255.0	0.0	0.0	0.0	0.0	409.4	431.0	0.0	0.0	13.0	16.0
	Maximum	20.3	24.0	0.0	0.0	-	-	-	-	-		-	-	400.4	445.0	0.0	0.0	0.0	0.0	655.8	1,219.0	4.6	29.0	39.0	40.0
	Average	1.9	2.8	0.0	0.0	-	-	-	-	-		-	•	302.1	344.0	0.0	0.0	0.0	0.0	508.8	618.3	0.3	2.1	25.1	27.5

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 ≥ 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.



Real-Time Multigas Monitoring Bristol Landfill Air Investigation

September 2 - September 8, 2024

		Bristol Met Station											
Date	Daily Statistics	Wind Dir	Wind Speed	Temp	Rel Humidity	Baro							
		degrees	mph	°F	%	mbar							
, 2024	Minimum		0.0	65.3	58.0	951.0							
September 2, 2024	Maximum		13.0	80.0	97.0	955.7							
Septe	Average	146.5	2.2	71.4	81.4	952.8							
2024	Minimum		0.0	63.1	53.6	955.2							
September 3, 2024	Maximum		12.0	78.5	78.7	958.7							
Septem	Average	70.0	4.1	72.1	66.8	956.7							
2024	Minimum		0.0	56.1	46.2	958.1							
September 4, 2024	Maximum		14.0	74.2	79.0	961.4							
Septer	Average	68.9	3.9	64.6	65.4	959.6							
2024	Minimum		0.0	58.9	41.4	955.1							
September 5, 2024	Maximum		9.0	79.5	83.6	960.0							
Septer	Average	96.5	2.5	68.3	68.1	957.6							
24	Minimum		0.0	57.1	31.0	948.7							
er 6, 20	Maximum		9.0	81.3	91.8	955.5							
September 6, 2024	Average	138.4	1.5	68.5	71.0	952.3							
, 2024	Minimum		0.0	54.0	42.1	947.3							
September 7, 2024	Maximum		12.0	70.9	93.6	952.2							
Septe	Average	201.9	2.3	62.7	70.7	949.5							
2024	Minimum		0.0	43.7	27.7	951.9							
September 8, 2024	Maximum		11.0	73.7	90.6	955.0							
Septer	Average	130.1	1.9	58.0	62.0	953.3							

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.