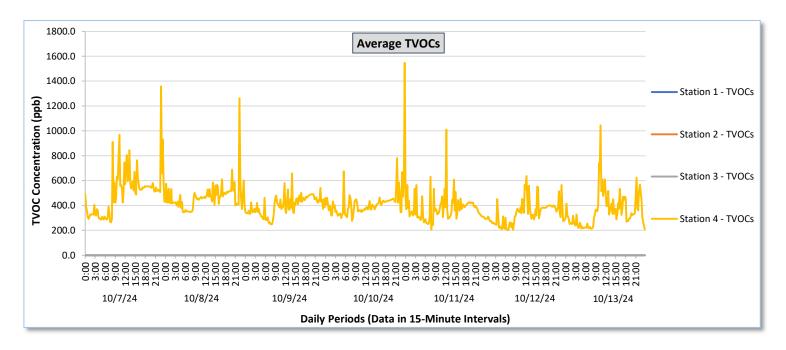
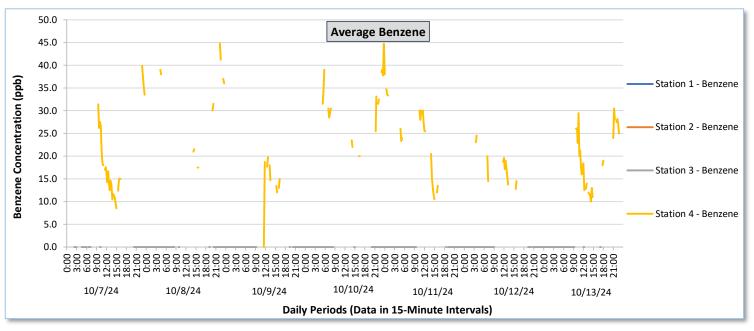


Real-Time Multigas Monitoring Bristol Landfill Air Investigation

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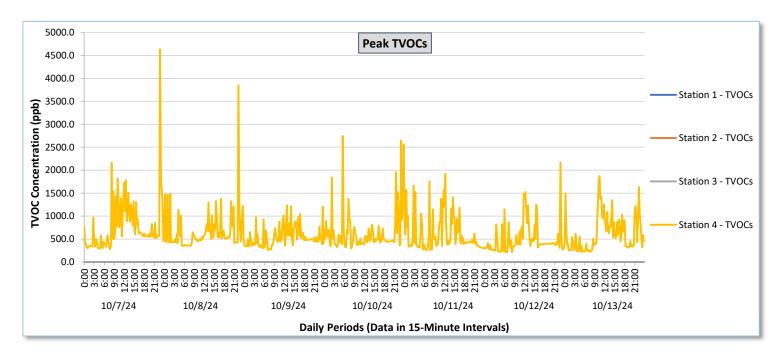


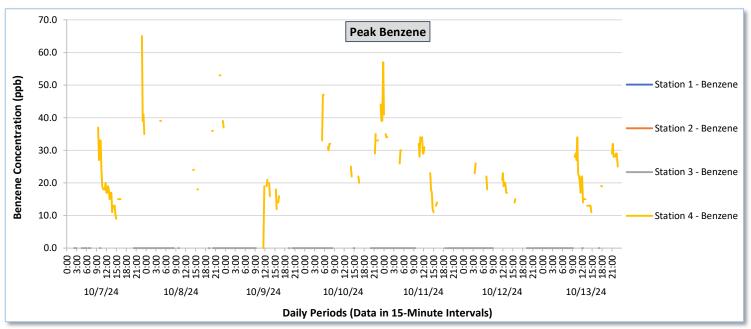




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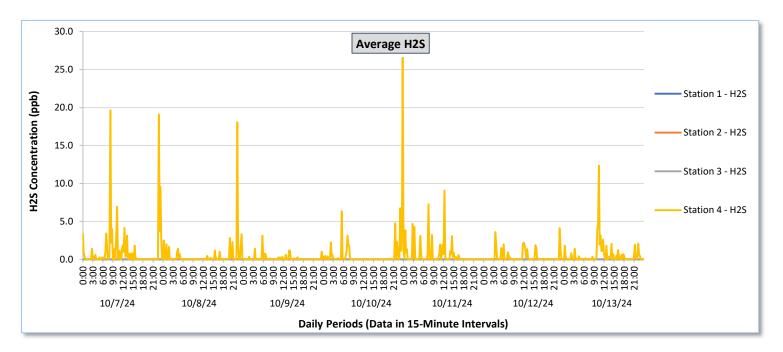


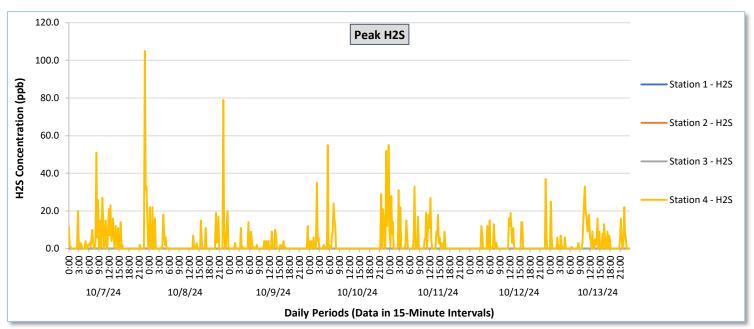


# **Stantec**

# **Perimeter Air Monitoring Weekly Report**

Real-Time Multigas Monitoring Bristol Landfill Air Investigation October 7 - October 13, 2024







Real-Time Multigas Monitoring Bristol Landfill Air Investigation October 7 - October 13, 2024

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Date	Daily Statistics	Station 1  TVOCs H2S Benzene					Station 2  TVOCs H2S Benzene				Station 3  TVOCs H2S Benzene					****	Station 4  TVOCs H2S Benze								
		Average		Average		Average		Average		Average		Average		Average		Average		Average		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.
October 7, 2024	Minimum	0.0	0.0	0.0	0.0		-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	263.9	277.0	0.0	0.0	8.5	9.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	1,358.7	4,638.0	19.6	105.0	41.3	65.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	503.8	775.9	1.1	5.9	20.8	23.9
October 8, 2024	Minimum	0.0	0.0	0.0	0.0					-	-		-	0.0	0.0	0.0	0.0	-	-	344.6	351.0	0.0	0.0	16.1	18.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-		-	-	0.0	0.0	0.0	0.0		-	1,261.9	3,849.0	18.1	79.0	44.8	53.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0		-	466.7	668.6	0.5	3.2	30.2	33.1
October 9, 2024	Minimum	0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0			247.9	266.0	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			659.1	1,235.0	3.1	14.0	35.5	38.0
	Average	0.0	0.0	0.0	0.0		_							0.0	0.0	0.0	0.0			400.5	545.3	0.1	1.2	20.4	22.2
_																									
, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	276.6	300.0	0.0	0.0	20.0	20.0
October 10, 2024	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0		-	1,547.9	2,746.0	26.6	55.0	44.7	57.0
ŏ	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	420.0	651.7	0.7	4.2	31.0	33.5
024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	206.5	261.0	0.0	0.0	10.5	11.0
October 11, 2024	Maximum	0.0	0.0	0.0	0.0	-		-		-		-		0.0	0.0	0.0	0.0			1,008.7	1,925.0	9.1	33.0	38.0	42.0
Octol	Average	0.0	0.0	0.0	0.0	-	-		-	-	-		-	0.0	0.0	0.0	0.0	-	-	377.3	611.4	0.6	3.7	24.5	27.5
October 12, 2024	Minimum	0.0	0.0	0.0	0.0	-			-		-		-	0.0	0.0	0.0	0.0	-	-	202.0	216.0	0.0	0.0	11.0	12.0
	Maximum	0.0	0.0	0.0	0.0		-	-		-		-	-	0.0	0.0	0.0	0.0			635.6	2,166.0	4.1	37.0	24.5	26.0
	Average	0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0			339.5	498.6	0.3	2.2	17.9	20.0
$\vdash$																									=
October 13, 2024	Minimum	0.0	0.0	0.0	0.0	-	•		-	-	•	•	-	0.0	0.0	0.0	0.0	-	-	207.6	223.0	0.0	0.0	10.0	11.0
	Maximum	0.0	0.0	0.0	0.0	-	•		-	-	-		-	0.0	0.0	0.0	0.0	•	•	1,044.3	1,876.0	12.3	33.0	30.5	34.0
Notes:	Average	0.0	0.0	0.0	0.0	•	•	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	356.4	619.3	0.6	3.9	19.7	21.6

- 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.



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October 7 - October 13, 2024

		Bristol Met Station											
Date	Daily Statistics	Wind Dir	Wind Speed	Temp	Rel Humidity	Baro							
		degrees	mph	°F	%	mbar							
2024	Minimum		0.0	72.5	-	947.3							
October 7, 2024	Maximum		-	72.5	-	950.3							
Octo	Average	0.0	0.0	72.5	-	948.9							
2024	Minimum		0.0	72.5	-	947.7							
October 8, 2024	Maximum		-	72.5	-	950.5							
Octo	Average	0.0	0.0	72.5	-	949.3							
2024	Minimum		0.0	72.5	-	950.1							
October 9, 2024	Maximum		-	72.5	-	952.6							
Octo	Average	0.0	0.0	72.5	-	951.2							
2024	Minimum		0.0	72.5	-	951.2							
October 10, 2024	Maximum		-	72.5	-	955.6							
Octo	Average	0.0	0.0	72.5	-	953.0							
2024	Minimum		0.0	72.5	-	954.8							
October 11, 2024	Maximum		-	72.5	-	957.9							
Octo	Average	0.0	0.0	72.5	-	956.0							
12, 2024	Minimum		0.0	72.5	-	951.9							
	Maximum		-	72.5	-	956.2							
October	Average	0.0	0.0	72.5	-	954.1							
2024	Minimum		0.0	72.5	-	945.7							
October 13, 2024	Maximum		-	72.5	-	952.6							
Octok	Average	0.0	0.0	72.5	-	949.5							

#### 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.