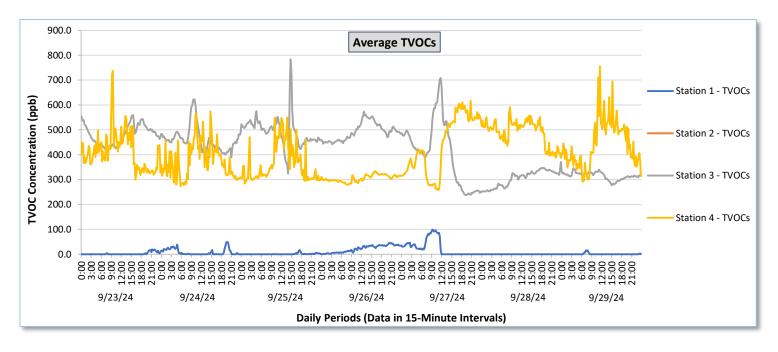
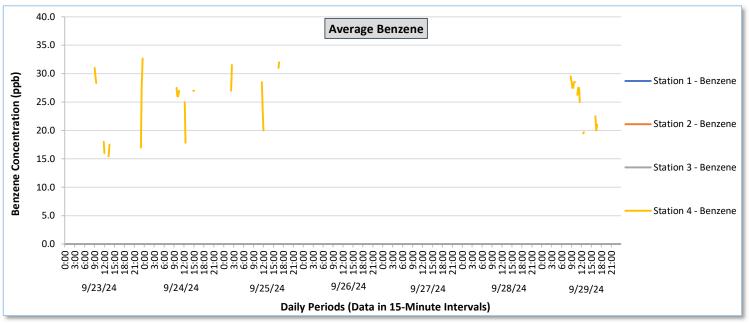


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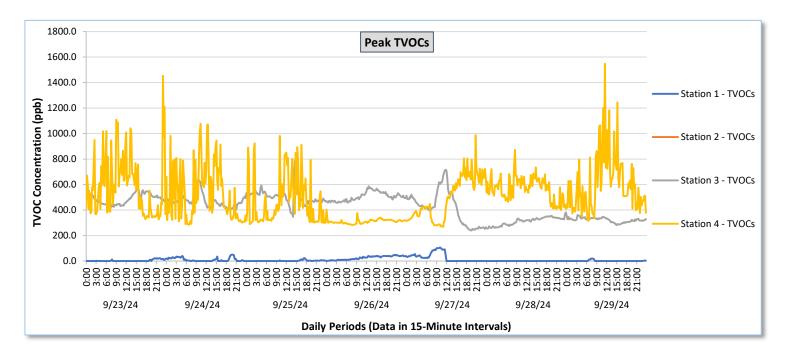


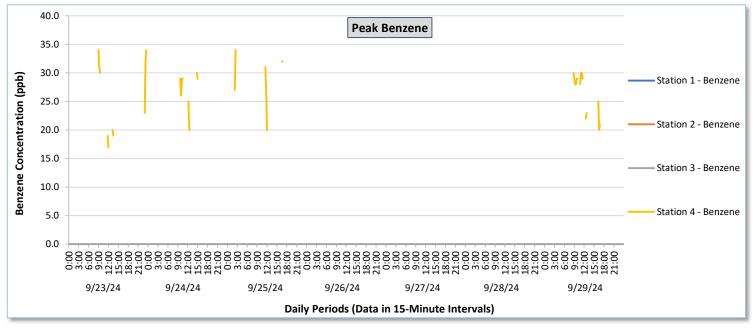




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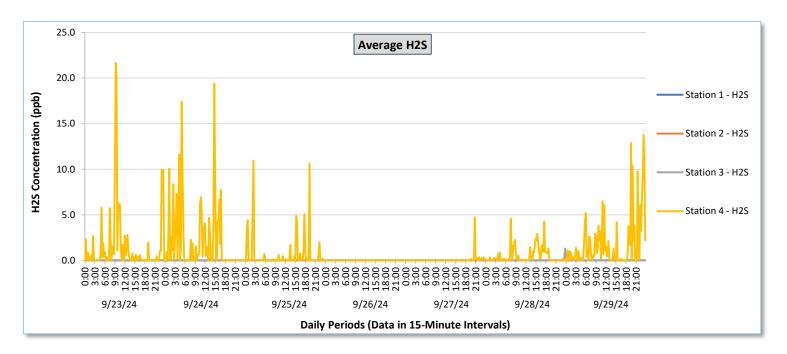


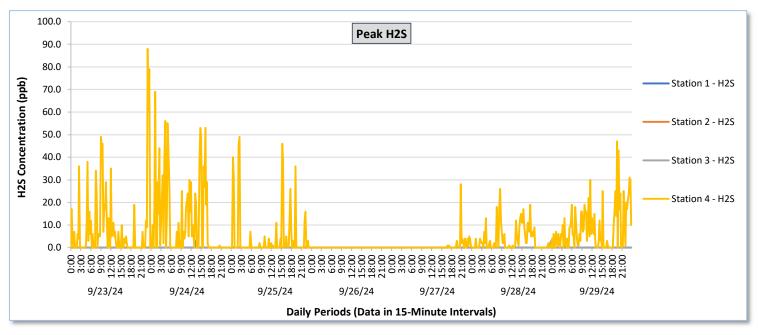


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## **Perimeter Air Monitoring Weekly Report**

Real-Time Multigas Monitoring Bristol Landfill Air Investigation September 23 - September 29, 2024







Real-Time Multigas Monitoring **Bristol Landfill Air Investigation** September 23 - September 29, 2024

	Daily Statistics	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	Peak ppb	Average	Peak ppb	Average	Peak ppb	Average	Peak ppb	Average	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.																				
September 23, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	419.6	425.0	0.0	0.0	0.0	0.0	299.7	326.0	0.0	0.0	10.5	11.0
	Maximum	19.8	22.0	0.0	0.0	-	-	-	-	-		-	-	559.6	566.0	0.0	0.0	0.0	0.0	737.3	1,453.0	21.7	88.0	34.5	35.0
	Average	2.3	3.3	0.0	0.0	-	-	-	-	-	-	-	-	481.2	489.0	0.0	0.0	0.0	0.0	413.4	593.4	1.6	8.9	24.8	26.9
September 24, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-		-	-		387.9	405.0	0.0	0.0	0.0	0.0	273.6	283.0	0.0	0.0	17.8	20.0
	Maximum	49.2	51.0	0.2	3.0	-	-	-		-		-		623.0	634.0	0.0	0.0	0.0	0.0	574.0	1,077.0	19.4	69.0	32.5	34.0
	Average	8.6	11.1	0.0	0.0	-	-	-	-	-		-	-	461.6	471.7	0.0	0.0	0.0	0.0	374.2	534.1	2.0	11.0	27.1	28.2
September 25, 2024	Minimum	0.0	0.0	0.0	0.0	-			-	-	-	-	-	323.9	346.0	0.0	0.0	0.0	0.0	283.5	288.0	0.0	0.0	20.0	20.0
	Maximum	17.1	22.0	0.0	0.0					-				783.4	808.0	0.0	0.0	0.0	0.0	549.9	981.0	10.9	49.0	32.5	34.0
	Average	1.0	1.9	0.0	0.0	-	-	-					-	493.4	507.6	0.0	0.0	0.0	0.0	362.8	469.7	0.6	4.3	26.5	27.9
																				=					
6, 2024	Minimum	0.1	1.0	0.0	0.0	-	-	-	-	-	-	-	-	442.1	456.0	0.0	0.0	0.0	0.0	279.0	282.0	0.0	0.0	0.0	0.0
September 26,	Maximum	46.3	49.0	0.0	0.0	-	-	-	-	-	-	-	-	573.2	586.0	0.0	0.0	0.0	0.0	334.5	404.0	0.0	0.0	0.0	0.0
Sept	Average	22.1	25.0	0.0	0.0	-	-	-	-	-	-	-	-	492.1	504.9	0.0	0.0	0.0	0.0	305.4	311.4	0.0	0.0	-	-
September 27, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	238.1	240.0	0.0	0.0	0.0	0.0	257.4	267.0	0.0	0.0	13.0	26.0
	Maximum	98.7	107.0	0.0	0.0	1	-		1	1	•	1	1	708.8	717.0	0.0	0.0	0.0	0.0	616.7	988.0	4.7	28.0	30.0	35.0
	Average	25.4	28.1	0.0	0.0		-	-	-	-			-	408.0	417.6	0.0	0.0	0.0	0.0	440.3	492.8	0.1	0.6	21.5	30.5
September 28, 2024	Minimum	0.0	0.0	0.0	0.0	-			-	-		-	-	250.6	255.0	0.0	0.0	0.0	0.0	386.8	398.0	0.0	0.0	26.0	30.0
	Maximum	0.0	0.0	0.0	0.0	-		-	-	-	-	-	-	370.6	381.0	1.3	3.0	0.0	0.0	591.9	872.0	4.6	26.0	31.8	35.0
	Average	0.0	0.0	0.0	0.0	-				-				305.0	311.6	0.0	0.1	0.0	0.0	490.9	566.4	0.5	3.6	28.9	32.5
September 29, 2024	Minimum	0.0	0.0	0.0	0.0	-		-	-				-	278.6	281.0	0.0	0.0	0.0	0.0	291.1	315.0	0.0	0.0	19.5	20.0
	Maximum	15.9	20.0	0.0	0.0			-				-		345.8	361.0	0.1	1.0	0.0	0.0	755.1	1,547.0	13.8	47.0	29.5	30.0
	Average	0.8	1.3	0.0	0.0									315.2	323.0	0.0	0.0	0.0	0.0	441.9	607.6	1.8	8.8	24.7	26.5

- 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

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		Bristol Met Station											
Date	Daily Statistics	Wind Dir	Wind Speed	Temp	Rel Humidity	Baro							
		degrees	mph	°F	%	mbar							
3, 2024	Minimum		0.0	66.0	57.1	947.6							
September 23, 2024	Maximum		12.0	83.6	94.3	950.1							
Septen	Average	140.3	1.5	71.6	82.5	948.7							
, 2024	Minimum		0.0	65.2	66.5	946.6							
September 24, 2024	Maximum		15.0	80.9	96.5	949.5							
Septen	Average	141.8	2.3	70.1	89.1	948.2							
, 2024	Minimum		0.0	62.7	74.3	946.9							
September 25, 2024	Maximum		10.0	77.0	96.8	950.1							
Septen	Average	138.0	2.3	66.1	92.7	948.5							
, 2024	Minimum		0.0	62.6	90.8	942.1							
September 26, 2024	Maximum		14.0	67.3	96.9	948.9							
Septen	Average	65.2	5.1	64.9	95.1	946.4							
2024	Minimum		0.0	66.0	56.5	922.0							
September 27, 2024	Maximum		38.0	80.4	94.5	942.1							
Septem	Average	99.6	9.5	71.9	76.4	933.7							
2024	Minimum		0.0	63.2	56.6	939.7							
ıber 28,	Maximum		19.0	77.3	86.0	944.6							
September 28, 2024	Average	145.8	2.9	70.2	69.7	941.8							
2024	Minimum		0.0	63.5	65.0	943.3							
September 29, 2024	Maximum		9.0	72.7	95.9	947.4							
Septem	Average	227.3	1.3	67.1	84.4	945.1							

#### 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.