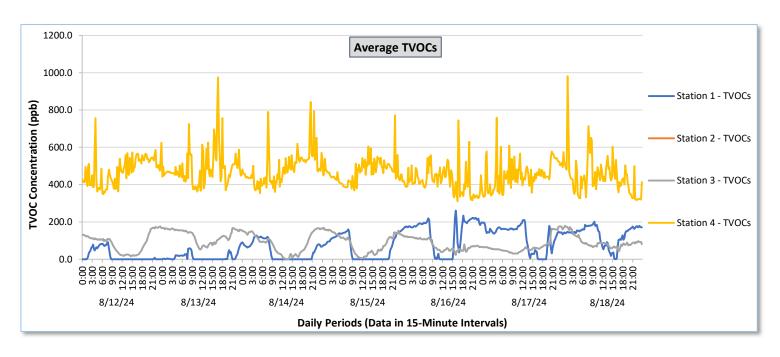
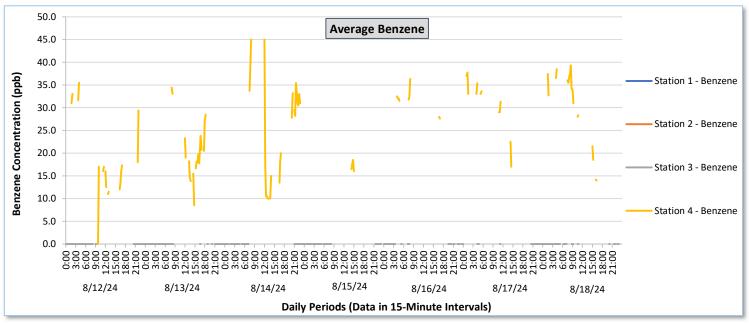


Real-Time Multigas Monitoring Bristol Landfill Air Investigation

August 12 - August 18, 2024

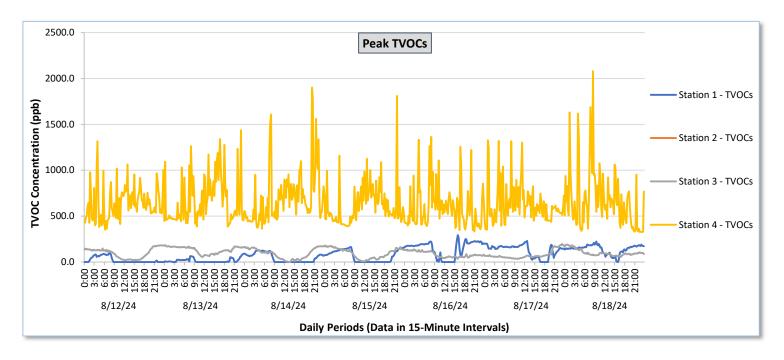


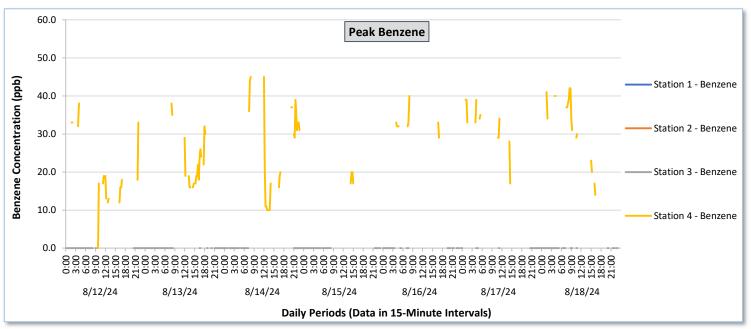




Real-Time Multigas Monitoring Bristol Landfill Air Investigation

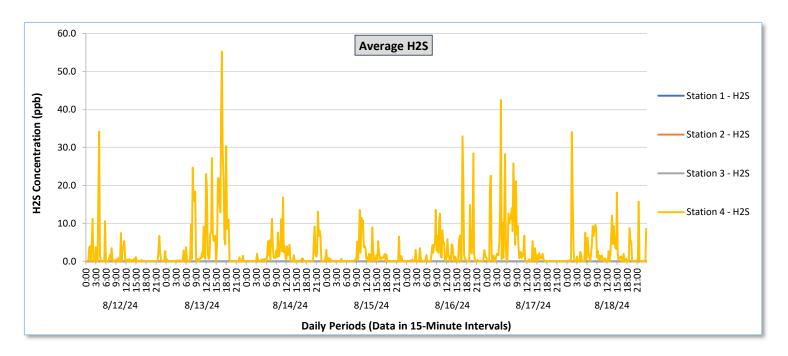
August 12 - August 18, 2024

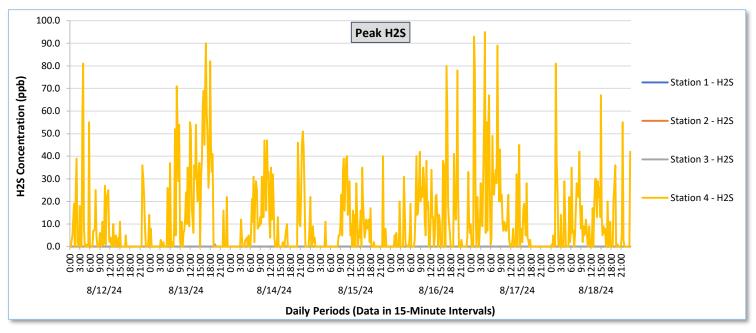






Real-Time Multigas Monitoring Bristol Landfill Air Investigation August 12 - August 18, 2024







Real-Time Multigas Monitoring Bristol Landfill Air Investigation August 12 - August 18, 2024

	Daile Chadalain	Station 1					Station 2					Station 3				Station 4									
Date		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene	
		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.																				
August 12, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	15.7	18.0	0.0	0.0	0.0	0.0	348.1	351.0	0.0	0.0	0.0	0.0
	Maximum	91.6	96.0	0.0	0.0	-	-	-	-	-	-	-	-	175.2	181.0	0.0	0.0	0.0	0.0	756.3	1,316.0	34.1	81.0	35.5	38.0
	Average	18.3	20.8	0.0	0.0	-	-	-	-	-	-	-	-	88.4	97.0	0.0	0.0	0.0	0.0	476.4	641.4	1.5	6.9	20.6	21.7
August 13, 2024	Minimum	0.0	0.0	0.0	0.0	-	-		-	-	-	-		52.3	54.0	0.0	0.0	0.0	0.0	362.8	385.0	0.0	0.0	8.5	16.0
	Maximum	87.7	89.0	0.0	0.0	-	-	-	-	-		-	-	167.5	184.0	0.1	1.0	0.0	0.0	974.9	1,435.0	55.3	90.0	36.0	38.0
	Average	12.5	15.0	0.0	0.0	-	-	-	-	-		-	-	126.1	132.0	0.0	0.0	0.0	0.0	488.8	677.9	5.4	17.6	23.8	25.9
August 14, 2024	Minimum	0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0	0.0	0.0	354.1	362.0	0.0	0.0	10.0	10.0
	Maximum	126.5	128.0	0.0	0.0									166.8	172.0	0.0	0.0	0.0	0.0	842.5	1,901.0	16.8	51.0	45.0	45.0
	Average	42.7	44.8	0.0	0.0									85.4	91.1	0.0	0.0	0.0	0.0	487.3	708.7	1.8	9.8	25.6	27.2
	, we age	72.7	-1-1.0	0.0	0.0									05.4	31.1	0.0	0.0	0.0	0.0	407.5	700.7	1.0	5.0	25.0	27.2
2024	Minimum	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	5.0	7.0	0.0	0.0	0.0	0.0	369.1	388.0	0.0	0.0	12.5	13.0
August 15,	Maximum	160.3	163.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	168.4	181.0	0.0	0.0	0.0	0.0	770.3	1,810.0	13.5	40.0	33.7	49.0
Aug	Average	60.7	63.3	0.0	0.0	-	-	-	-	-	-	-	-	88.6	95.7	0.0	0.0	0.0	0.0	470.6	617.6	1.3	6.9	20.1	22.4
August 16, 2024	Minimum	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	23.1	36.0	0.0	0.0	-		309.9	333.0	0.0	0.0	17.0	18.0
	Maximum	260.8	293.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	127.9	138.0	0.0	0.0	-		744.0	1,363.0	32.9	80.0	37.0	40.0
	Average	135.5	145.5	0.0	0.0	-	-	-	-	-			-	77.4	83.5	0.0	0.0			422.6	599.9	2.7	12.0	30.1	32.1
August 17, 2024	Minimum	0.0	0.0	0.0	0.0	0.0	0.0	-	-				-	30.3	34.0	0.0	0.0	0.0	0.0	334.3	352.0	0.0	0.0	13.5	14.0
	Maximum	211.3	231.0	0.0	0.0	0.0	0.0	-		-		-		176.3	196.0	0.0	0.0	0.0	0.0	757.8	1,326.0	42.5	95.0	37.8	39.0
	Average	119.6	127.7	0.0	0.0	-				-		-		70.2	75.7	0.0	0.0	0.0	0.0	454.0	632.2	3.8	14.7	30.6	32.2
August 18, 2024																									
	Minimum	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	42.2	57.0	0.0	0.0	0.0	0.0	316.9	325.0	0.0	0.0	14.0	14.0
	Maximum	202.0	223.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	180.0	190.0	0.0	0.0	0.0	0.0	981.0	2,080.0	34.1	81.0	39.3	42.0
	Average	131.6	139.4	0.0	0.0	-	-	-	-	-	-	-	-	94.2	102.6	0.0	0.0	0.0	0.0	444.2	672.8	2.7	11.0	29.5	31.7

- Notes:
  Data records with a dash indicate no data is available for that interval.
- Calibration readings and data produced during sensor errors 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 manufacturer is actively working to resolve this issue.
- As discussed with the manufacturer of the H2S sensor, there is high likelihood that the H2S sensor has cross sensitivity with other sulfur compounds. Other sulfur compounds include, but are not limited to, carbonyl sulfide, dimethyl sulfide, dimethyl disulfide, and methyl mercaptan.



Real-Time Multigas Monitoring Bristol Landfill Air Investigation

August 12 - August 18, 2024

		Bristol Met Station											
Date	Daily Statistics	Wind Dir	Wind Speed	Temp	Rel Humidity	Baro							
		degrees	mph	°F	%	mbar							
2024	Minimum		0.0	58.6	45.3	951.7							
August 12, 2024	Maximum		8.0	81.5	92.6	954.0							
Augı	Average	121.4	1.6	70.1	69.5	952.7							
24	Minimum		0.0	65.1	53.9	951.6							
August 13, 2024	Maximum		8.0	80.6	80.6	953.7							
Augus	Average	111.3	1.7	72.7	67.7	952.5							
.024	Minimum		0.0	62.7	36.7	952.3							
August 14, 2024	Maximum		7.0	84.9	91.3	954.6							
Augu	Average	106.6	1.5	73.4	65.8	953.2							
2024	Minimum		0.0	62.5	49.9	951.3							
August 15, 2024	Maximum		8.0	85.1	88.9	954.9							
Augu	Average	151.3	1.3	73.5	70.8	953.0							
124	Minimum		0.0	66.9	63.4	948.9							
August 16, 2024	Maximum		17.0	83.0	95.5	953.2							
Augu	Average	173.4	2.0	72.6	82.8	951.5							
)24	Minimum		0.0	66.6	62.1	946.5							
st 17, 2024	Maximum		18.0	82.5	97.1	951.4							
August (	Average	206.2	1.6	72.1	85.4	949.4							
024	Minimum		0.0	63.6	69.1	945.0							
August 18, 2024	Maximum		10.0	78.7	96.3	948.4							
Augu	Average	206.1	1.8	68.6	89.2	946.8							

#### 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.