

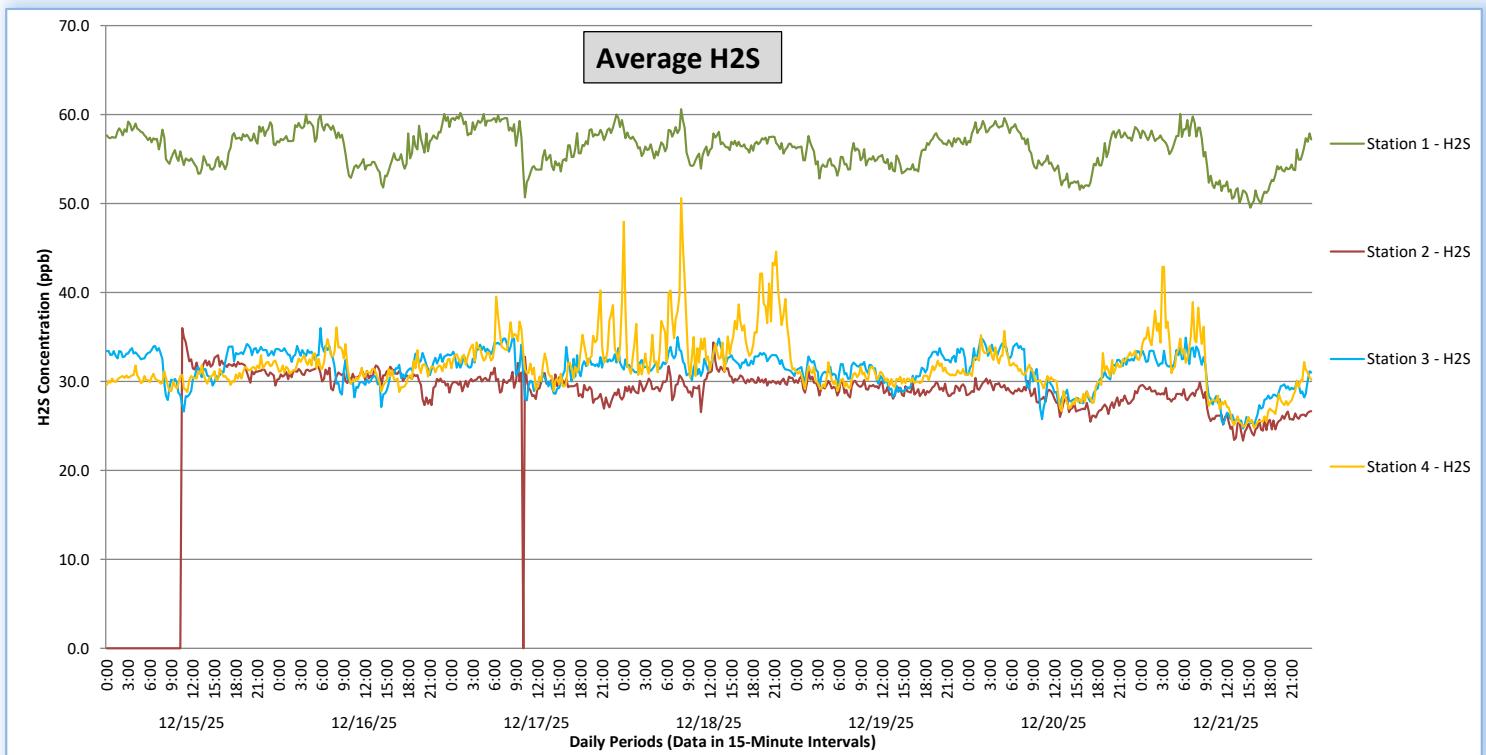
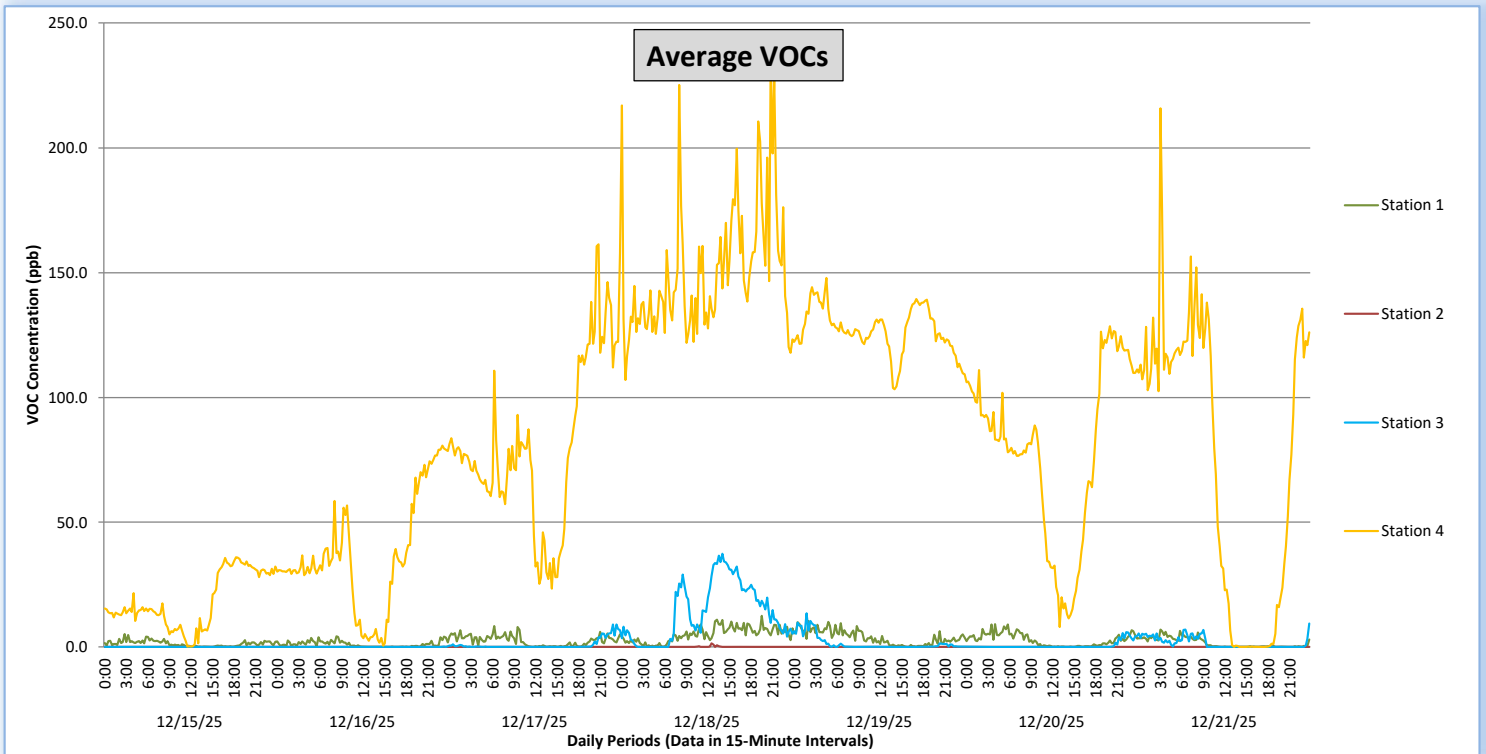


Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring
Bristol Landfill Air Investigation



December 15, 2025 - December 21, 2025



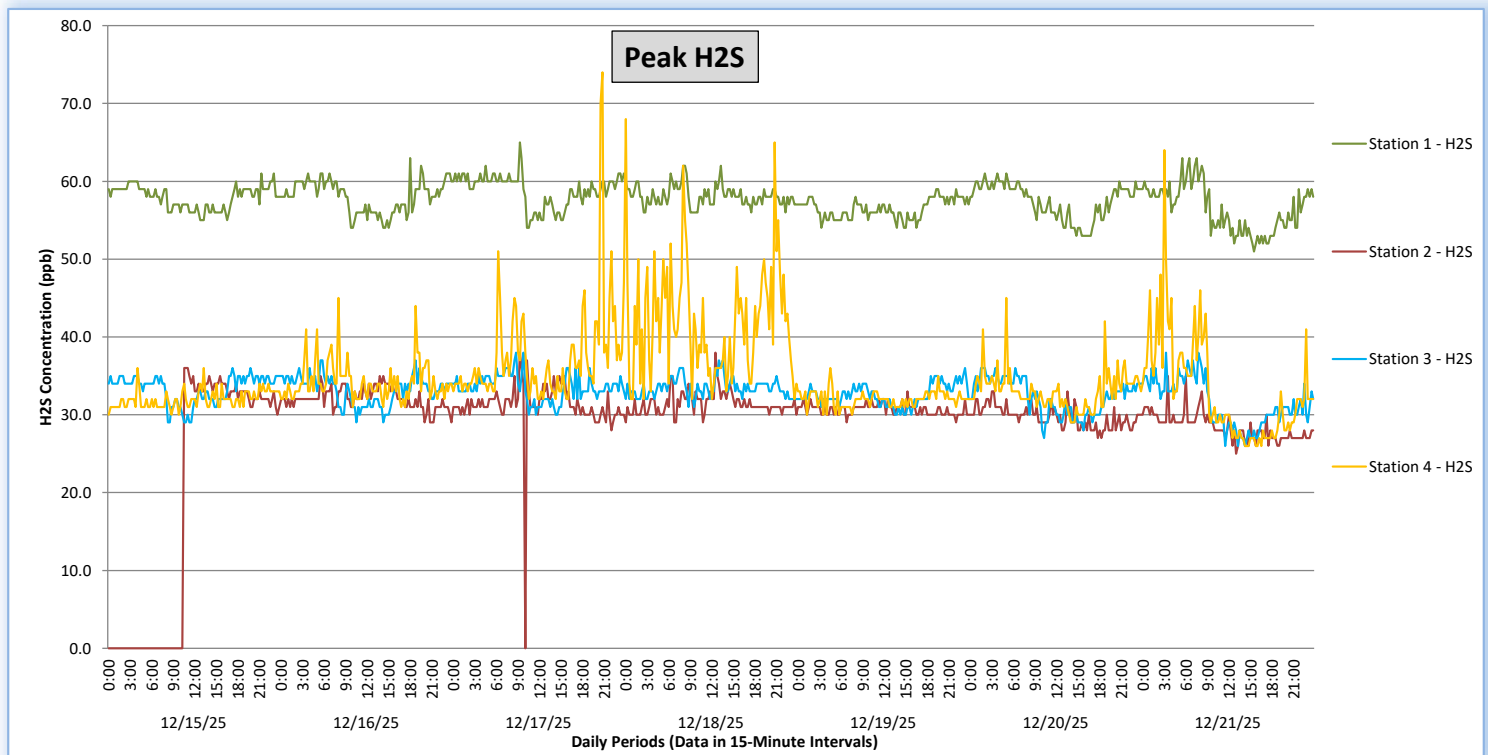
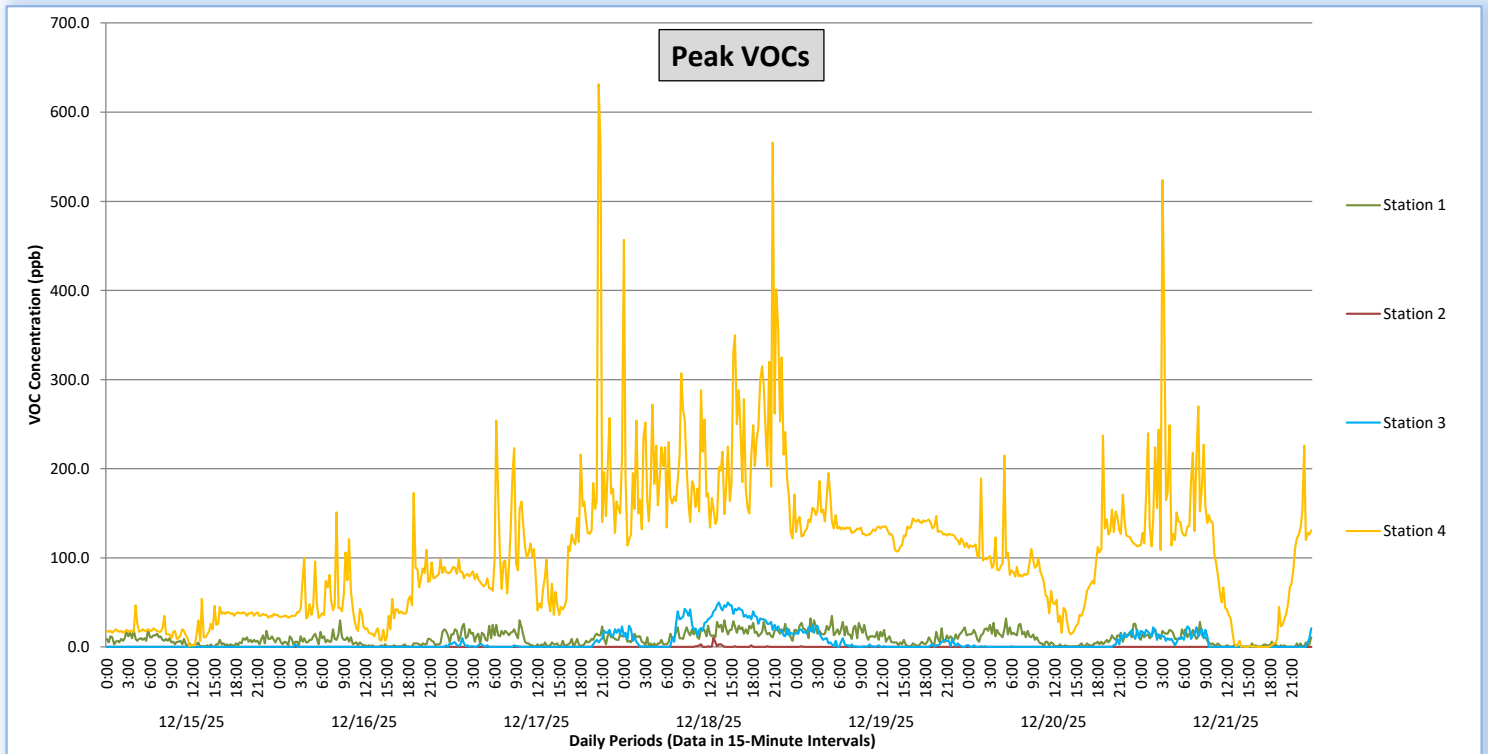


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December 15, 2025 - December 21, 2025

Date	Daily Statistics	Station 1				Station 2				Station 3				Station 4			
		VOCs		H2S		VOCs		H2S		VOCs		H2S		VOCs		H2S	
		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	Average ppb	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	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	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	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
December 15, 2025	Minimum	0.0	0.0	53.3	55.0	0.0	0.0	29.5	30.0	0.0	0.0	26.6	29.0	0.1	1.0	28.8	30.0
	Maximum	5.1	19.0	59.2	61.0	0.0	0.0	36.0	36.0	0.0	0.0	34.2	36.0	35.9	54.0	32.9	36.0
	Average	1.3	6.8	56.6	57.9	0.0	0.0	31.8	33.1	0.0	0.0	32.1	33.3	18.4	24.7	30.6	32.0
December 16, 2025	Minimum	0.0	0.0	51.8	54.0	0.0	0.0	27.3	29.0	0.0	0.0	27.1	29.0	0.5	7.0	28.8	31.0
	Maximum	4.3	30.0	60.1	63.0	0.0	0.0	31.8	35.0	0.3	4.0	36.0	37.0	80.7	173.0	36.1	45.0
	Average	1.1	5.8	56.5	58.0	0.0	0.0	30.5	32.1	0.0	0.1	31.7	33.2	36.9	52.3	31.5	34.2
December 17, 2025	Minimum	0.0	0.0	50.7	54.0	0.0	0.0	26.9	28.0	0.0	0.0	27.9	30.0	23.3	36.0	28.9	32.0
	Maximum	8.4	30.0	60.2	65.0	0.0	0.0	32.8	38.0	9.1	23.0	34.9	38.0	161.4	631.0	40.2	74.0
	Average	2.6	10.0	57.3	58.8	0.0	0.0	29.5	31.5	0.9	2.9	31.9	33.5	80.9	119.0	33.1	37.4
December 18, 2025	Minimum	0.0	0.0	53.9	56.0	0.0	0.0	26.5	29.0	0.0	0.0	30.1	31.0	107.0	114.0	30.5	32.0
	Maximum	12.5	30.0	60.6	62.0	1.5	10.0	34.4	38.0	37.3	50.0	35.0	37.0	237.4	566.0	50.6	68.0
	Average	5.0	14.4	56.6	58.1	0.0	0.4	29.9	31.5	14.1	23.1	32.1	33.5	150.4	213.4	35.5	41.9
December 19, 2025	Minimum	0.0	0.0	52.8	54.0	0.0	0.0	28.1	29.0	0.0	0.0	28.3	30.0	103.3	107.0	28.9	30.0
	Maximum	10.4	35.0	57.9	59.0	0.1	1.0	31.1	33.0	13.5	25.0	33.7	36.0	147.8	195.0	32.3	36.0
	Average	3.8	13.1	55.4	56.4	0.0	0.0	29.3	30.7	1.5	4.4	31.2	32.5	127.0	134.1	30.5	32.0
December 20, 2025	Minimum	0.0	0.0	51.5	53.0	0.0	0.0	25.5	27.0	0.0	0.0	25.7	27.0	8.1	14.0	26.7	29.0
	Maximum	9.2	32.0	59.6	61.0	0.0	0.0	30.4	33.0	5.9	19.0	34.9	36.0	128.5	237.0	35.7	45.0
	Average	2.8	10.1	56.1	57.4	0.0	0.0	28.2	29.8	0.5	1.8	31.0	32.3	78.4	90.9	30.9	33.1
December 21, 2025	Minimum	0.0	0.0	49.5	51.0	0.0	0.0	23.3	25.0	0.0	0.0	24.7	26.0	0.0	0.0	24.8	26.0
	Maximum	6.9	28.0	60.1	63.0	0.0	0.0	29.9	35.0	9.5	23.0	34.9	38.0	215.9	524.0	42.9	64.0
	Average	1.6	6.4	54.6	56.4	0.0	0.0	26.7	28.4	1.6	5.6	29.6	31.4	74.5	100.2	30.3	33.1

Notes:

- o Data records with a dash indicate no data is available for that interval.
- o Calibration readings and data produced during periods of sensor downtime and/or maintenance are excluded from the report.
- o The 10.6 electron volt (eV) photoionization detector (PID) sensor can detect volatile organic compounds common to landfill gas, such as aromatics (benzene), which have ionization potentials below 10.6 eV.
- o The hydrogen sulfide (H2S) electrochemical sensor measures in the 0-1000 ppb range, though readings below the 10-ppb minimum detection limit are considered estimates. It is important to note that the sensor is susceptible to interference from other gases, particularly dimethylsulfide (DMS) and dimethyl disulfide (DMDS) or other total reduced sulfurs, which are the same compounds that may be responsible for nuisance odor complaints.
- o Station 2 experienced intermittent power loss during the following periods: 12/15/2025 from 0000 to 1030 and 12/17/2025 from 0952 to 1017.



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December 15, 2025 - December 21, 2025

Date	Daily Statistics	Bristol Met Station 1				
		Wind Direction	Wind Speed	Temperature	Relative Humidity	Barometric Pressure
		degrees	mph	°F	%	mbar
December 15, 2025	Minimum		0.0	6.3	37.5	954.5
	Maximum		4.6	32.4	78.4	963.2
	Average	242	0.4	18.8	56.6	959.3
December 16, 2025	Minimum		0.4	21.0	18.4	952.6
	Maximum		5.5	45.6	63.6	956.3
	Average	225	0.8	34.1	43.0	954.4
December 17, 2025	Minimum		0.3	29.8	26.1	951.6
	Maximum		5.0	49.6	72.1	954.7
	Average	20	0.4	39.1	48.1	953.0
December 18, 2025	Minimum		0.5	36.3	34.8	934.5
	Maximum		4.7	59.5	83.4	952.2
	Average	79	1.4	49.1	57.6	946.5
December 19, 2025	Minimum		1.0	31.3	39.6	933.0
	Maximum		11.1	60.5	93.0	953.0
	Average	245	5.2	40.9	66.5	944.2
December 20, 2025	Minimum		0.7	24.8	23.5	949.2
	Maximum		4.8	58.8	78.8	954.6
	Average	30	1.1	39.9	50.7	951.8
December 21, 2025	Minimum		0.1	31.4	11.2	952.4
	Maximum		7.8	51.3	58.6	963.2
	Average	1	2.2	43.0	33.6	957.9

Notes:

- o Dash/Blank data records indicate no data is available for that interval.
- o Wind direction is a daily (24-hr) average value; with the origin of wind in degrees; clockwise from North calculated with vector averaging.