

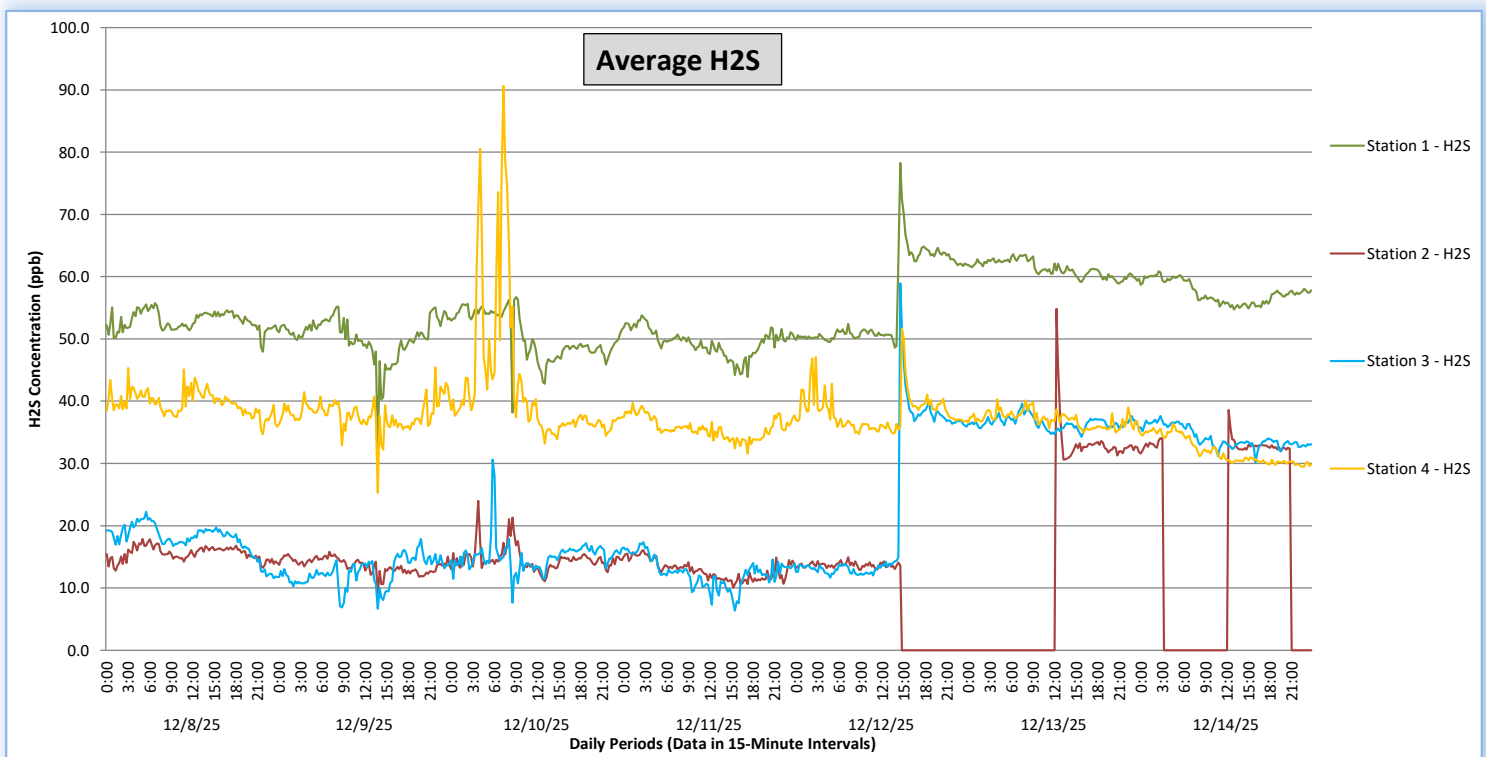
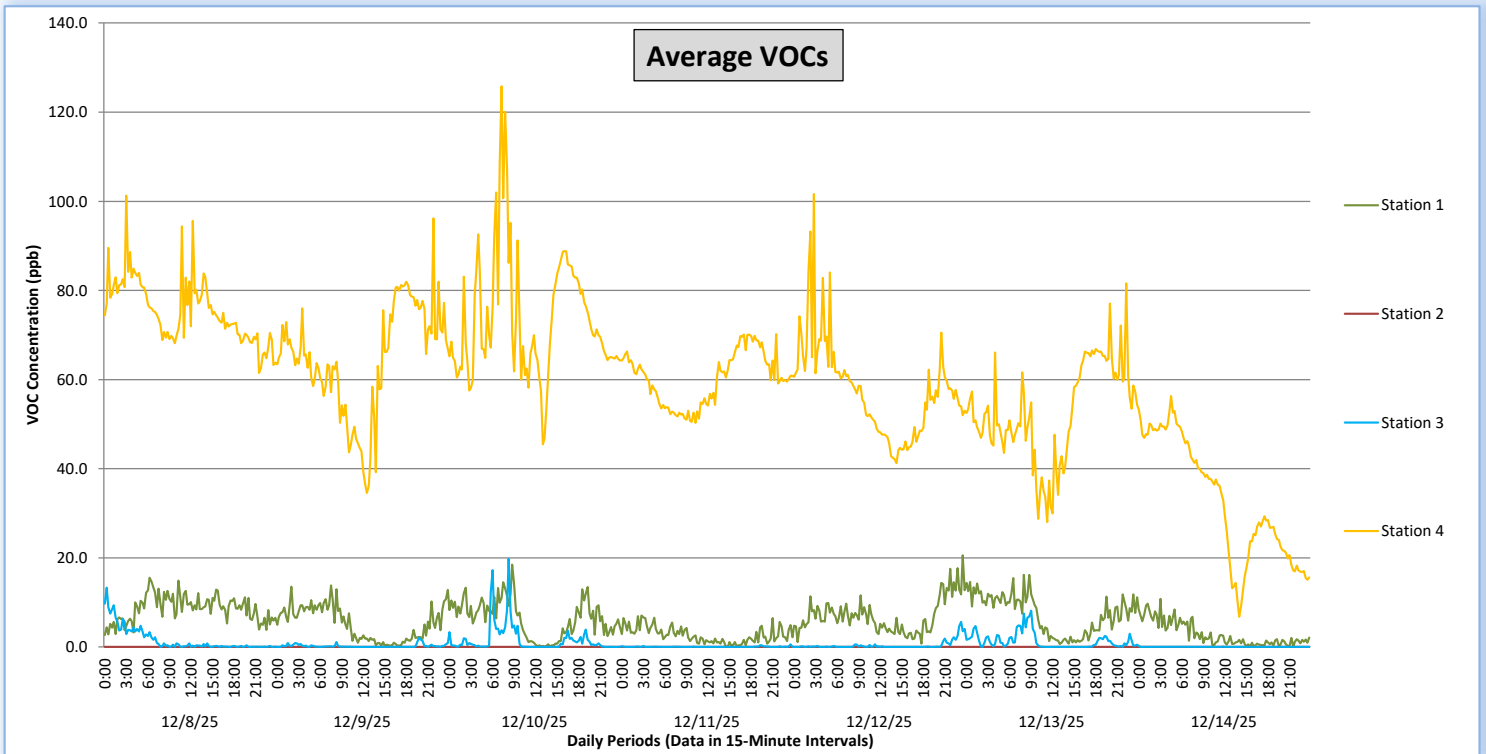


Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring
Bristol Landfill Air Investigation



December 08, 2025 - December 14, 2025





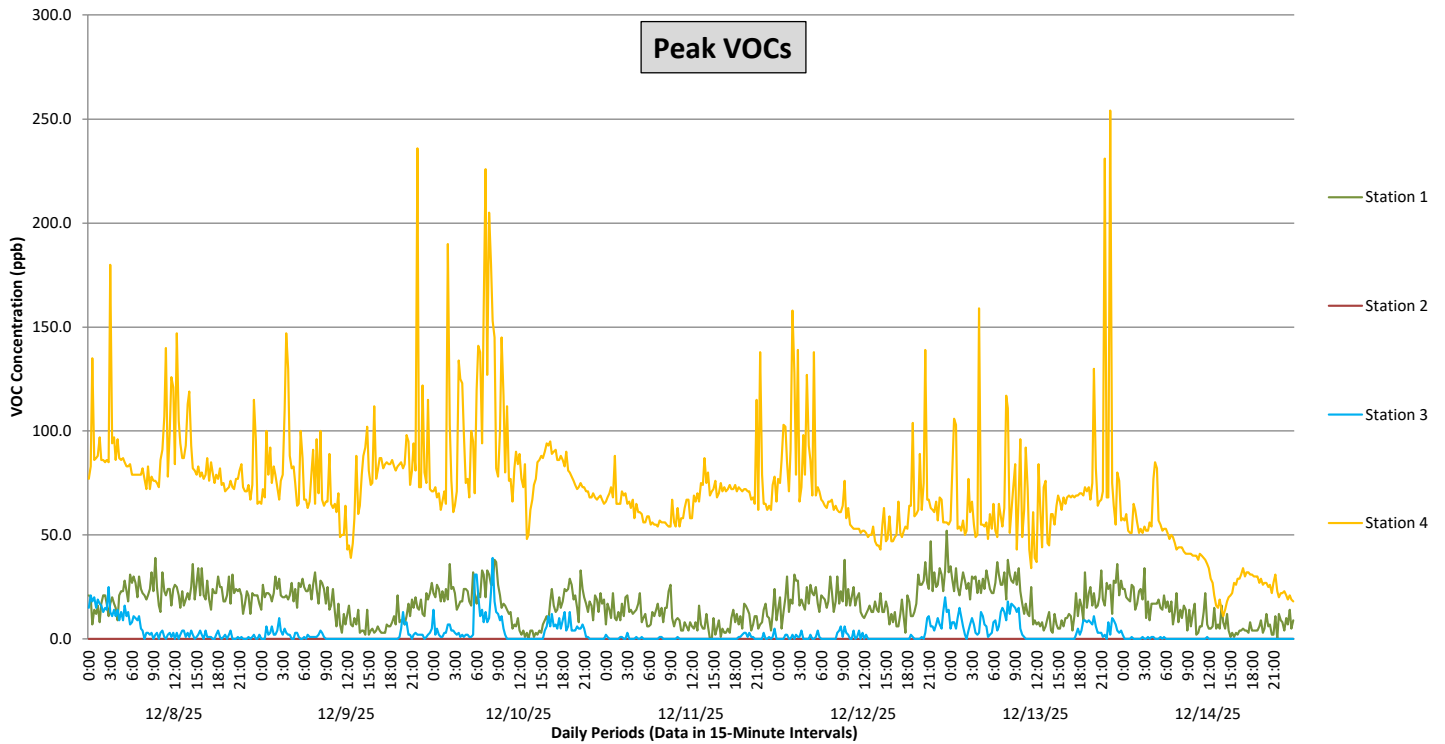
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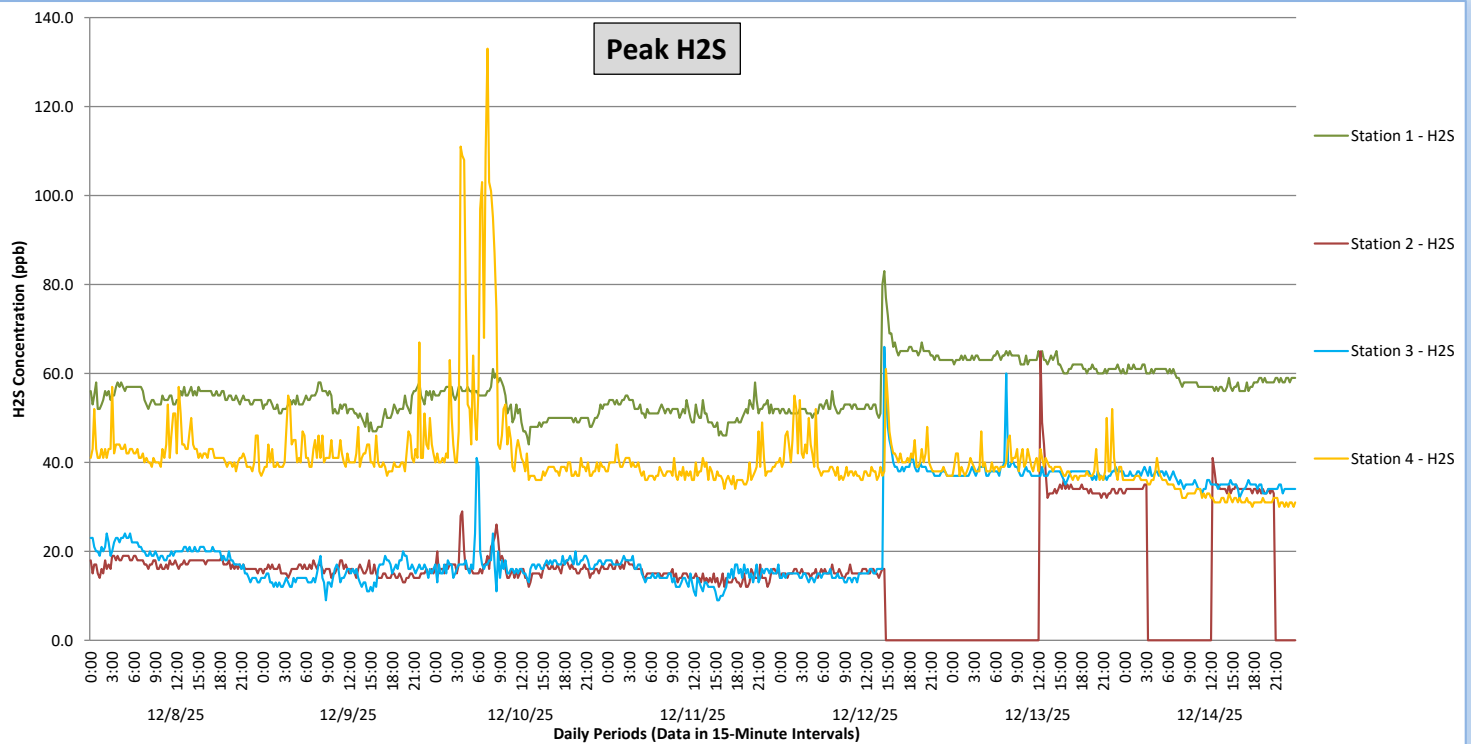


December 08, 2025 - December 14, 2025

Peak VOCs



Peak H2S





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December 08, 2025 - December 14, 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 8, 2025	Minimum	2.7	7.0	47.9	52.0	0.0	0.0	12.8	14.0	0.0	0.0	11.5	13.0	61.5	65.0	34.7	37.0
	Maximum	15.5	39.0	55.7	58.0	0.0	0.0	17.9	19.0	13.3	25.0	22.3	24.0	101.3	180.0	45.3	57.0
	Average	8.6	21.6	52.9	55.0	0.0	0.0	15.5	17.2	1.6	5.3	17.8	19.5	75.3	86.4	39.7	42.6
December 9, 2025	Minimum	0.2	2.0	31.9	47.0	0.0	0.0	9.1	13.0	0.0	0.0	6.7	9.0	34.5	39.0	25.3	37.0
	Maximum	13.8	32.0	55.2	58.0	0.0	0.0	15.8	18.0	2.1	13.0	17.9	20.0	96.2	236.0	45.4	67.0
	Average	5.2	15.4	50.3	52.7	0.0	0.0	13.6	15.5	0.2	1.5	12.6	14.7	64.4	80.2	37.9	42.0
December 10, 2025	Minimum	0.0	0.0	38.2	44.0	0.0	0.0	11.1	12.0	0.0	0.0	7.7	11.0	45.5	48.0	33.2	36.0
	Maximum	18.5	38.0	56.7	61.0	0.0	0.0	24.0	29.0	19.8	39.0	30.6	41.0	125.8	226.0	90.7	133.0
	Average	6.4	17.5	50.5	52.5	0.0	0.0	14.7	16.6	1.7	5.3	15.1	17.4	73.9	90.3	42.6	49.7
December 11, 2025	Minimum	0.0	0.0	43.9	46.0	0.0	0.0	10.1	12.0	0.0	0.0	6.4	9.0	50.3	54.0	31.6	34.0
	Maximum	7.1	26.0	53.8	58.0	0.0	0.0	16.1	18.0	0.6	5.0	17.3	19.0	70.2	138.0	39.7	49.0
	Average	2.7	10.2	49.5	51.4	0.0	0.0	12.9	14.7	0.0	0.4	12.5	14.5	60.1	67.3	35.7	38.1
December 12, 2025	Minimum	0.7	3.0	48.6	50.0	0.0	0.0	12.9	14.0	0.0	0.0	11.7	13.0	41.3	43.0	34.7	36.0
	Maximum	20.5	52.0	78.3	83.0	0.0	0.0	14.9	17.0	5.6	20.0	58.9	66.0	101.6	158.0	51.6	61.0
	Average	7.0	19.8	56.1	57.7	0.0	0.0	13.7	15.2	0.4	2.0	23.3	24.7	57.4	68.2	38.3	40.6
December 13, 2025	Minimum	0.7	3.0	58.9	60.0	0.0	0.0	30.6	32.0	0.0	0.0	34.3	35.0	28.1	34.0	34.9	36.0
	Maximum	16.2	38.0	63.6	65.0	0.0	0.0	54.9	65.0	8.1	18.0	39.6	60.0	81.6	254.0	40.3	52.0
	Average	7.4	20.2	61.2	62.5	0.0	0.0	33.3	34.9	1.3	5.0	36.5	37.9	52.7	70.0	37.1	39.2
December 14, 2025	Minimum	0.0	0.0	54.7	56.0	0.0	0.0	31.6	33.0	0.0	0.0	30.1	32.0	6.8	11.0	29.5	30.0
	Maximum	10.8	34.0	60.9	62.0	0.0	0.0	38.6	41.0	0.3	2.0	37.6	39.0	56.3	85.0	36.4	41.0
	Average	2.9	10.8	57.4	58.6	0.0	0.0	32.9	34.1	0.0	0.1	34.1	35.4	32.8	37.5	32.0	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 H2S spikes on 12/12/2025 were caused by monthly sensor exchanges (Station 1: 1422; Station 2: [sensor exchange during station power loss period]; Station 3: 1439; Station 4: 1447 local time). Per protocol, sensors are exchanged monthly for recalibration. H2S sensors installed on 12/03 (calibrated 11/04) were replaced as soon as possible to minimize the period beyond the 30-day calibration window. VOC sensors were field calibrated on 12/03. All H2S data from 12/04 through the 12/12 exchange is valid and included.
- o Station 2 experienced intermittent power loss during the following periods: 12/12/2025 (1445) to 12/13/2025 (1215); 12/14/2025 from 0315 to 1215; and 12/14/2025 from 2100 to 2359. All times are local.



Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring Bristol Landfill Air Investigation



December 08, 2025 - December 14, 2025

Date	Daily Statistics	Bristol Met Station 1				
		Wind Direction	Wind Speed	Temperature	Relative Humidity	Barometric Pressure
		degrees	mph	°F	%	mbar
December 8, 2025	Minimum		0.2	28.7	60.1	947.0
	Maximum		6.2	42.7	91.8	953.2
	Average	342	1.2	35.6	84.3	949.5
December 9, 2025	Minimum		0.2	26.7	43.3	945.9
	Maximum		4.7	42.4	91.0	953.1
	Average	214	1.3	33.1	73.5	950.2
December 10, 2025	Minimum		0.3	28.1	39.9	935.1
	Maximum		11.1	49.5	92.0	946.1
	Average	251	3.1	36.5	76.8	940.0
December 11, 2025	Minimum		0.5	30.9	50.2	941.7
	Maximum		5.7	38.5	88.7	948.3
	Average	272	2.6	33.0	68.2	945.4
December 12, 2025	Minimum		0.5	29.5	75.7	948.1
	Maximum		3.8	36.5	93.0	950.3
	Average	43	1.1	31.6	89.2	949.0
December 13, 2025	Minimum		0.3	27.0	53.8	946.8
	Maximum		5.3	53.3	93.6	952.6
	Average	247	0.7	39.1	77.3	949.7
December 14, 2025	Minimum		0.5	8.6	43.6	947.4
	Maximum		7.5	41.1	91.7	963.6
	Average	330	4.2	22.2	67.7	956.0

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.