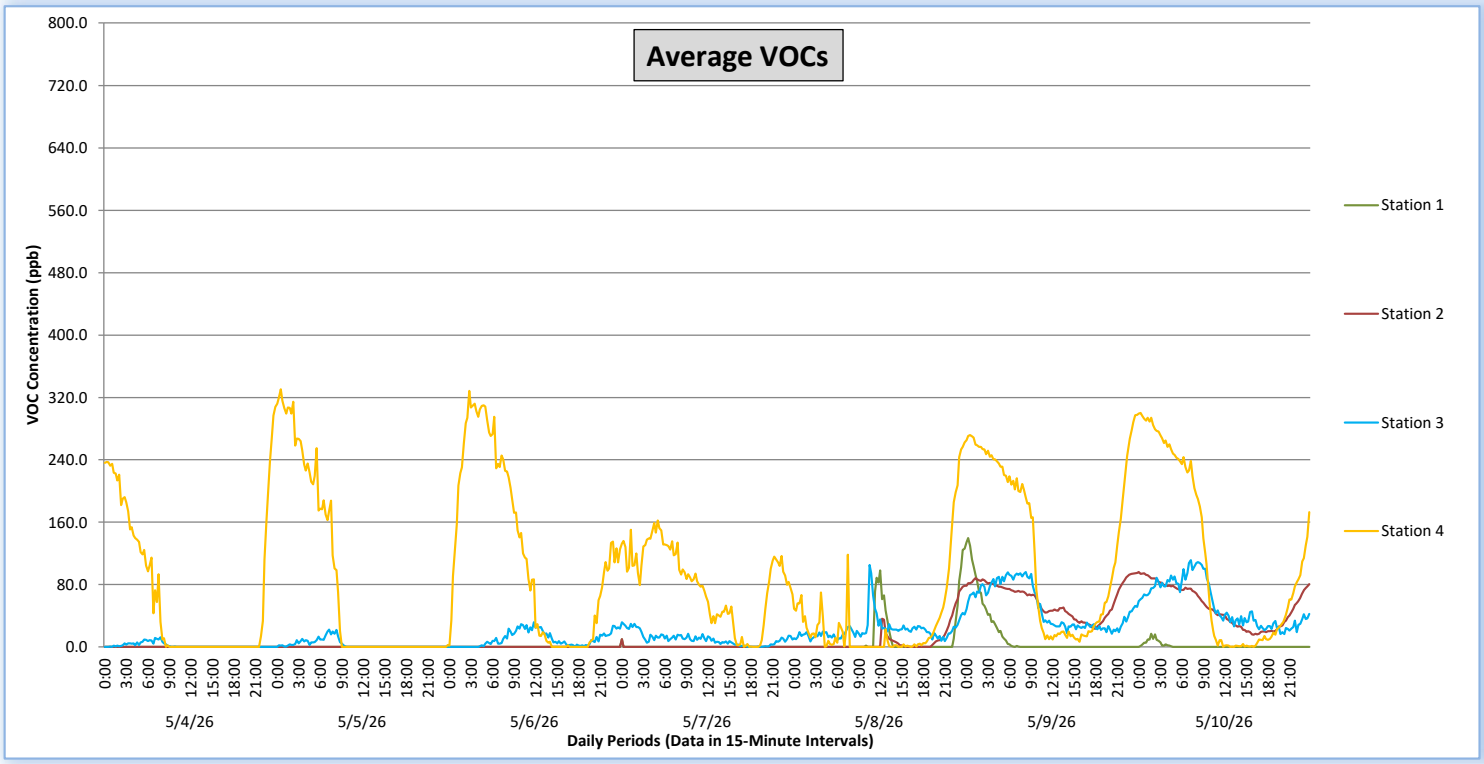
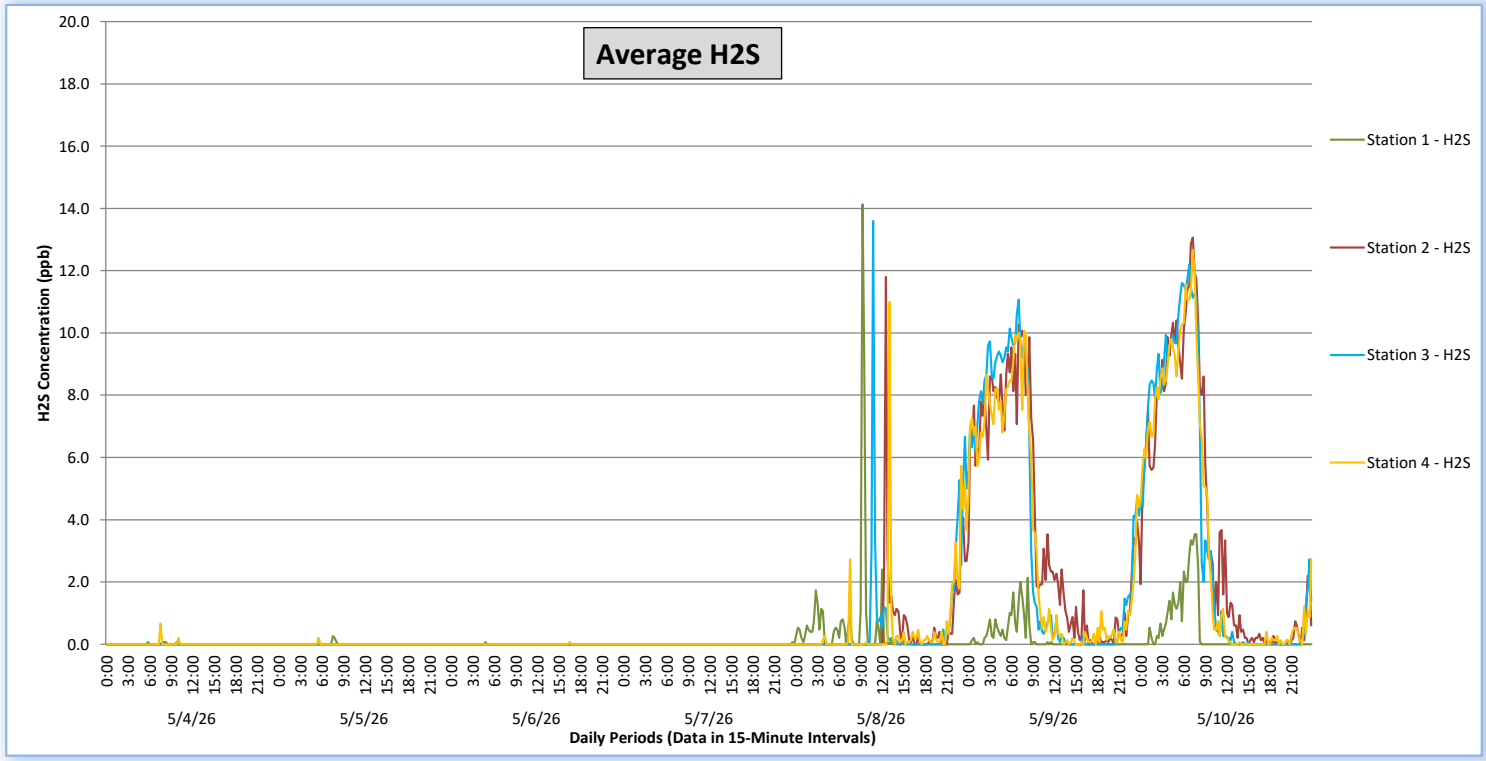
Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring

Bristol Landfill Air Investigation

May 04 - May 10, 2026





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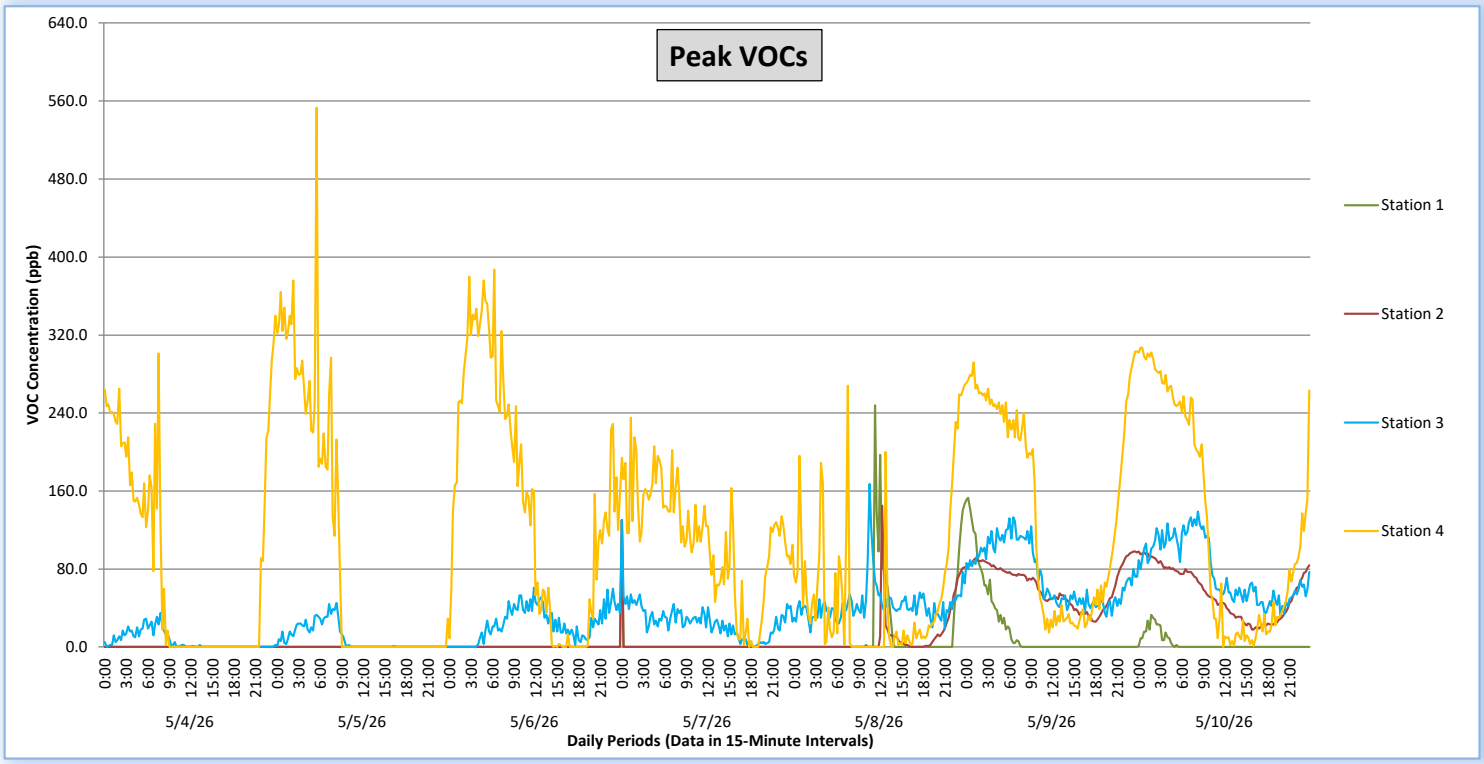

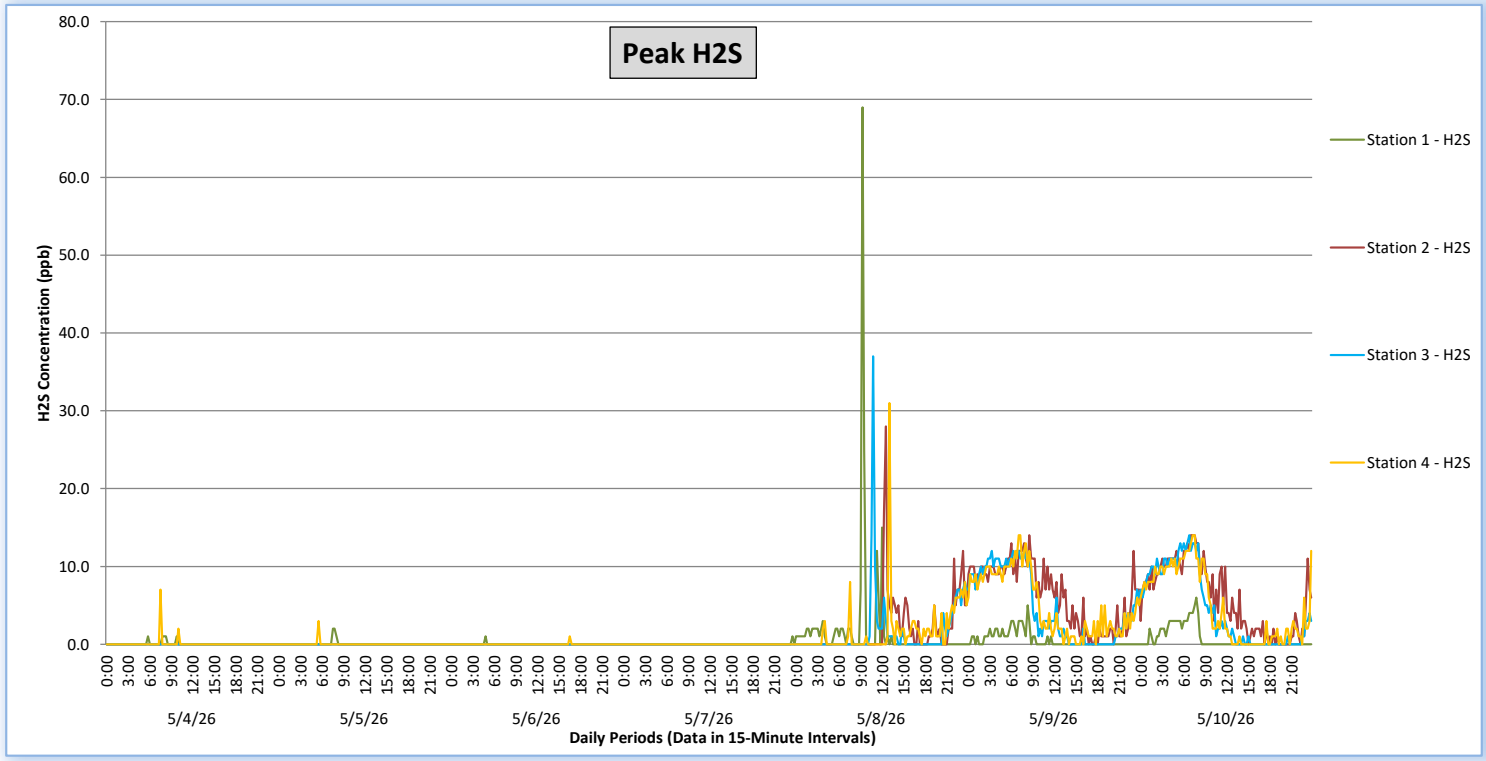

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May 04 - May 10, 2026

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
May 4, 2026	Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	12.5	35.0	0.0	0.0	308.0	340.0	0.7	7.0
	Average	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.8	6.0	0.0	0.0	68.6	84.9	0.0	0.1
May 5, 2026	Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.3	2.0	0.0	0.0	0.0	0.0	22.1	45.0	0.0	0.0	330.4	553.0	0.2	3.0
	Average	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	3.2	8.7	0.0	0.0	83.9	98.9	0.0	0.0
May 6, 2026	Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	31.9	61.0	0.0	0.0	328.3	387.0	0.1	1.0
	Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	23.7	0.0	0.0	121.7	151.4	0.0	0.0
May 7, 2026	Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	10.0	130.0	0.1	1.0	10.0	130.0	0.0	0.0	31.6	130.0	0.0	0.0	162.3	235.0	0.0	0.0
	Average	0.1	1.4	0.0	0.0	0.1	1.4	0.0	0.0	10.2	26.0	0.0	0.0	79.8	109.6	0.0	0.0
May 8, 2026	Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	15.0	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	126.3	248.0	14.1	69.0	78.5	145.0	11.8	28.0	105.1	167.0	13.6	37.0	262.5	269.0	11.0	31.0
	Average	11.6	18.1	0.5	1.9	8.5	11.3	0.5	1.9	22.3	44.0	0.7	1.6	34.5	54.4	0.5	1.7
May 9, 2026	Minimum	0.0	0.0	0.0	0.0	23.6	26.0	0.0	0.0	16.8	31.0	0.0	0.0	6.7	15.0	0.0	0.0
	Maximum	139.5	153.0	2.1	5.0	95.1	98.0	10.3	14.0	96.0	133.0	11.1	12.0	297.7	303.0	10.1	14.0
	Average	14.4	18.4	0.2	0.6	61.2	64.2	3.8	6.4	51.3	73.9	3.6	4.9	134.7	147.7	3.4	5.2
May 10, 2026	Minimum	0.0	0.0	0.0	0.0	15.8	18.0	0.0	0.0	16.5	32.0	0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	17.0	33.0	3.5	6.0	96.1	98.0	13.1	14.0	111.5	139.0	12.2	14.0	300.1	307.0	12.7	14.0
	Average	1.2	3.2	0.4	0.8	52.6	55.5	3.8	5.9	54.9	78.0	3.6	4.6	116.6	128.7	3.6	4.9

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.
- 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.
- The hydrogen sulfide (H2S) electrochemical 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.
- The full-scale range of the H2S electrochemical sensor is 1,000 ppb, resulting in an effective range between 10 ppb and 1000 ppb (MDL 1% of full scale). Readings outside of the effective range of the sensor are qualitative, not quantitative.
- The full-scale range of the VOC electrochemical sensor is 10,000 ppb, resulting in an effective range between 100 ppb and 10,000 ppb (MDL 1% of full scale). Readings outside of the effective range of the sensor are qualitative, not quantitative.
- Field calibrations were conducted on May 8, 2026, during the following time frames: Station 1 (0900–0930 and 1145–1200), Station 2 (1200–1230), Station 3 (1020–1050), and Station 4 (1240–1310). While these recorded values are included for transparency, they are not representative of actual ambient air concentrations during the calibration intervals.

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May 04 - May 10, 2026

Date	Daily Statistics	Bristol Met Station 1				
		Wind Direction	Wind Speed	Temperature	Relative Humidity	Barometric Pressure
		degrees	mph	°F	%	mbar
May 4, 2026	Minimum		0.6	42.1	64.0	949.2
	Maximum		2.7	45.0	74.0	949.6
	Average	214	0.9	43.3	70.1	949.4
May 5, 2026	Minimum		0.9	40.3	74.0	949.0
	Maximum		3.7	42.1	79.0	949.7
	Average	228	1.4	41.1	76.7	949.3
May 6, 2026	Minimum		0.4	39.6	75.0	948.9
	Maximum		3.5	40.8	82.0	949.3
	Average	230	1.5	40.3	78.9	949.1
May 7, 2026	Minimum		0.4	38.3	81.0	948.8
	Maximum		5.0	40.5	86.0	949.4
	Average	341	1.1	39.6	83.0	949.1
May 8, 2026	Minimum		0.1	38.7	65.0	948.1
	Maximum		4.6	49.6	85.0	949.5
	Average	259	0.6	42.3	79.2	948.9
May 9, 2026	Minimum		0.2	48.7	59.3	949.3
	Maximum		3.8	52.2	67.0	951.2
	Average	263	1.3	51.0	62.5	950.2
May 10, 2026	Minimum		0.2	51.1	60.0	949.9
	Maximum		5.1	54.4	73.3	951.4
	Average	254	1.1	52.5	65.9	950.9

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.