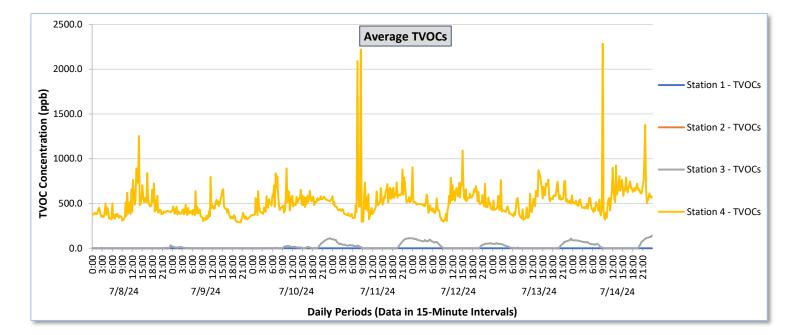
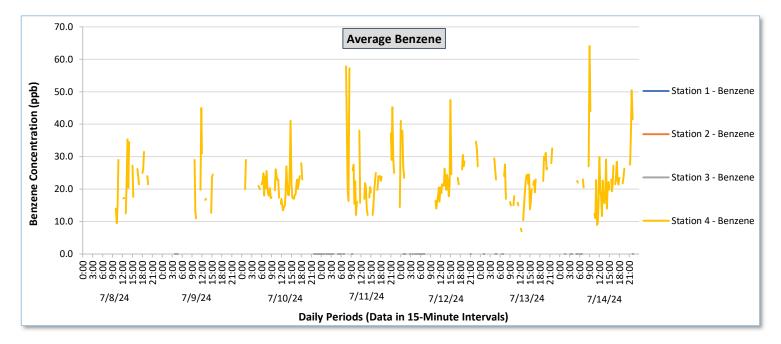


Real-Time Multigas Monitoring Bristol Landfill Air Investigation

July 8 - July 14, 2024

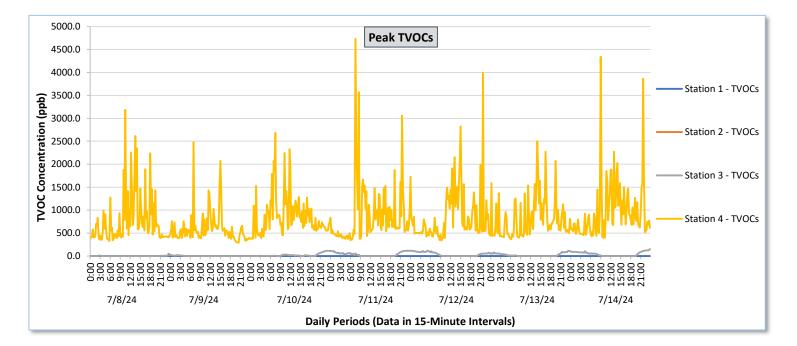


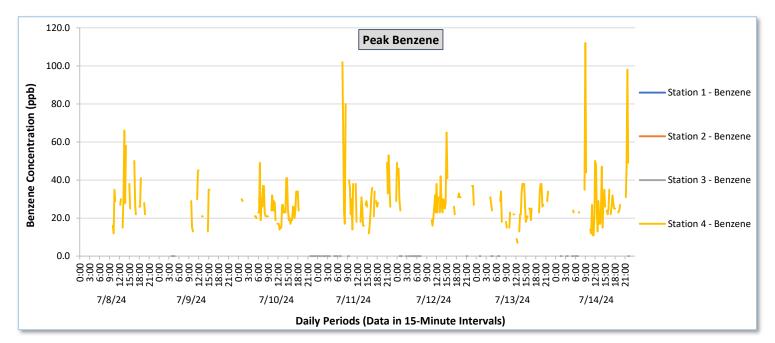




Real-Time Multigas Monitoring Bristol Landfill Air Investigation

July 8 - July 14, 2024

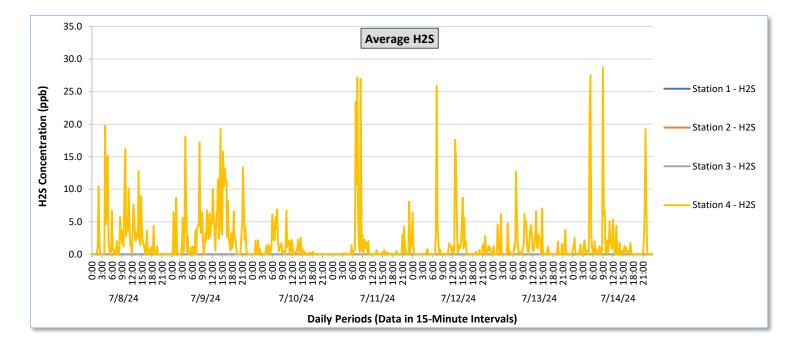


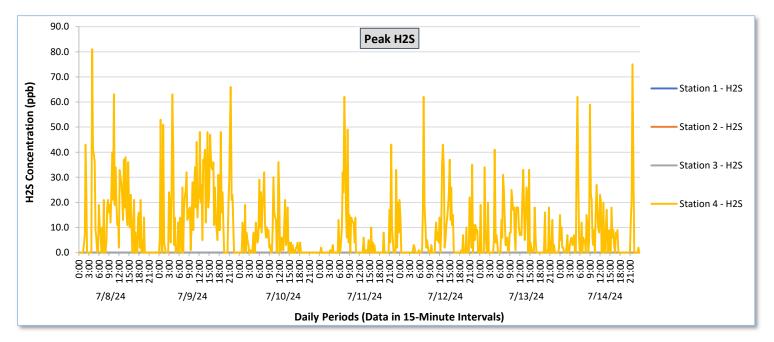




Real-Time Multigas Monitoring Bristol Landfill Air Investigation

July 8 - July 14, 2024







Real-Time Multigas Monitoring

Bristol Landfill Air Investigation July 8 - July 14, 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 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. |
| July 8, 2024 | Minimum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 306.6 | 327.0 | 0.0 | 0.0 | 9.5 | 12.0 |
| | Maximum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 33.5 | 52.0 | 0.0 | 0.0 | - | - | 1,255.4 | 3,186.0 | 19.8 | 81.0 | 35.3 | 66.0 |
| | Average | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 0.9 | 1.5 | 0.0 | 0.0 | - | - | 462.4 | 771.3 | 2.3 | 11.9 | 21.4 | 28.6 |
| July 9, 2024 | Minimum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | | - | | | | | 0.0 | 0.0 | 0.0 | 0.0 | - | | 287.5 | 289.0 | 0.0 | 0.0 | 11.0 | 13.0 |
| | Maximum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 21.6 | 25.0 | 0.0 | 0.0 | - | - | 796.6 | 2,478.0 | 19.3 | 66.0 | 45.0 | 52.0 |
| | Average | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 1.6 | 2.4 | 0.0 | 0.0 | - | | 405.4 | 598.8 | 3.7 | 17.8 | 22.1 | 27.7 |
| July 10, 2024 | Minimum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | | | - | - | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 368.3 | 372.0 | 0.0 | 0.0 | 13.5 | 14.0 |
| | Maximum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 112.3 | 116.0 | 0.0 | 0.0 | - | - | 890.4 | 2,684.0 | 6.9 | 36.0 | 41.0 | 49.0 |
| | Average | 0.0 | 0.0 | 0.0 | 0.0 | - | - | | - | - | - | - | | 18.0 | 20.5 | 0.0 | 0.0 | - | - | 523.7 | 870.3 | 0.8 | 5.4 | 21.4 | 25.2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| July 11, 2024 | Minimum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | • | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 296.5 | 344.0 | 0.0 | 0.0 | 12.0 | 12.0 |
| | Maximum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 112.5 | 116.0 | 0.0 | 0.0 | - | - | 2,218.1 | 4,731.0 | 27.2 | 62.0 | 57.8 | 102.0 |
| | Average | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 31.3 | 37.4 | 0.0 | 0.0 | - | - | 540.8 | 871.3 | 1.4 | 5.5 | 24.3 | 32.2 |
| 2024 | Minimum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | | - | | - | - | 0.0 | 0.0 | 0.0 | 0.0 | - | | 295.5 | 337.0 | 0.0 | 0.0 | 14.0 | 16.0 |
| July 12, 20 | Maximum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 110.5 | 118.0 | 0.0 | 0.0 | - | - | 1,091.3 | 3,993.0 | 25.9 | 62.0 | 47.5 | 65.0 |
| 1 | Average | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 36.3 | 40.4 | 0.0 | 0.0 | - | - | 526.3 | 864.2 | 1.4 | 6.7 | 25.2 | 30.8 |
| July 13, 2024 | Minimum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | | - | | | | | 0.0 | 0.0 | 0.0 | 0.0 | - | | 318.2 | 366.0 | 0.0 | 0.0 | 7.0 | 7.0 |
| | Maximum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | - | - | - | 107.9 | 113.0 | 0.0 | 0.0 | - | | 870.6 | 2,499.0 | 12.7 | 41.0 | 33.5 | 40.0 |
| | Average | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | | - | | 20.2 | 23.2 | 0.0 | 0.0 | - | - | 518.3 | 809.4 | 1.2 | 7.3 | 21.9 | 26.1 |
| July 14, 2024 | Minimum | 0.0 | 0.0 | 0.0 | 0.0 | | - | | - | | | | | 0.0 | 0.0 | 0.0 | 0.0 | - | - | 319.3 | 396.0 | 0.0 | 0.0 | 9.0 | 11.0 |
| | Maximum | 0.0 | 0.0 | 0.0 | 0.0 | - | - | | | - | | - | - | 140.7 | 154.0 | 0.0 | 0.0 | - | | 2,282.9 | 4,342.0 | 28.7 | 75.0 | 64.1 | 112.0 |
| | Average | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - | - | | | | 39.0 | 42.3 | 0.0 | 0.0 | - | | 595.8 | 960.0 | 1.9 | 8.0 | 23.8 | 30.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

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 6/20/2024 at 11:54 AM 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 included in the report table. 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, and methyl mercaptan.



Real-Time Multigas Monitoring Bristol Landfill Air Investigation

July 8 - July 14, 2024

| | | Bristol Met Station | | | | | | | | | | | |
|---------------|------------------|---------------------|------------|------|--------------|-------|--|--|--|--|--|--|--|
| Date | Daily Statistics | Wind Dir | Wind Speed | Temp | Rel Humidity | Baro | | | | | | | |
| | | degrees | mph | °F | % | mbar | | | | | | | |
| July 8, 2024 | Minimum | | 0.0 | 67.6 | 42.6 | 950.2 | | | | | | | |
| | Maximum | | 9.0 | 90.7 | 93.2 | 953.3 | | | | | | | |
| nſ | Average | 154.0 | 1.6 | 79.4 | 69.5 | 951.9 | | | | | | | |
| July 9, 2024 | Minimum | | 0.0 | 70.7 | 44.2 | 946.8 | | | | | | | |
| | Maximum | | 10.0 | 92.9 | 88.5 | 952.1 | | | | | | | |
| | Average | 163.1 | 2.0 | 81.7 | 69.5 | 949.5 | | | | | | | |
| July 10, 2024 | Minimum | | 0.0 | 67.5 | 55.7 | 945.5 | | | | | | | |
| | Maximum | | 16.0 | 81.4 | 80.3 | 951.5 | | | | | | | |
| ylul | Average | 221.2 | 3.3 | 76.3 | 69.4 | 948.1 | | | | | | | |
| | Minimum | | 0.0 | 59.0 | 38.0 | 951.1 | | | | | | | |
| July 11, 2024 | | | | | | | | | | | | | |
| July 11 | Maximum | | 9.0 | 85.9 | 93.7 | 953.6 | | | | | | | |
| | Average | 177.9 | 1.8 | 72.6 | 65.9 | 952.2 | | | | | | | |
| 24 | Minimum | | 0.0 | 62.0 | 37.1 | 952.5 | | | | | | | |
| July 12, 2024 | Maximum | | 8.0 | 88.4 | 85.6 | 955.2 | | | | | | | |
| lur | Average | 176.0 | 1.6 | 76.9 | 60.2 | 953.7 | | | | | | | |
| 24 | Minimum | | 0.0 | 67.3 | 31.5 | 954.9 | | | | | | | |
| July 13, 2024 | Maximum | | 11.0 | 92.7 | 90.3 | 957.8 | | | | | | | |
| VINL | Average | 146.2 | 1.9 | 79.2 | 62.9 | 956.0 | | | | | | | |
| 14 | Minimum | | 0.0 | 64.2 | 32.3 | 952.2 | | | | | | | |
| July 14, 2024 | Maximum | | 14.0 | 93.5 | 88.5 | 956.4 | | | | | | | |
| VlnL | Average | 180.3 | 2.2 | 79.3 | 58.5 | 954.5 | | | | | | | |
| Notes: | | | | | | | | | | | | | |

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.