REPORT CONTEXT

| FACILITY | SCOPE | REPORT PERIOD | GENERATED | PREPARED BY |
|---|---|---|---|---|
| **Murphy** | **4 sensors · 1 station** | **2026.10.05 00:00 – 2026.10.12 00:00 (UTC-07:00)** | **2026.10.13** | **lou.zylstra@ebresources.com** |

## Report summary

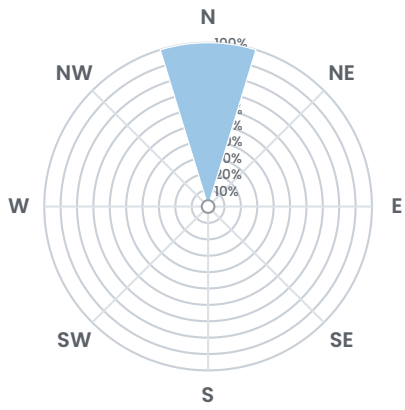
AI-generated · Report-wide overview

This report covers sensor data from equipment SL052301 at the Murphy facility, monitoring Hydrogen Sulfide (H2S), Sulfur Dioxide (SO2), Total VOC (PID), and Sound Intensity Level for the week ending in October 2026. All measurements are within safety goals with no exceedances noted. Hydrogen Sulfide and TVOC sensors showed numerous justified flatline events. Sulfur Dioxide showed multiple spike events with increased frequency. Sound Intensity Level monitored in decibel A (dBA) showed no significant trend or exceedances, with some spike events detected.

- Hydrogen Sulfide readings ranged between 0 and 0.002 ppm with zero exceedances and an average AQI of 0.
- Sulfur Dioxide had maximum readings between 0.015 and 0.108 ppm and no exceedances; spikes on SO2 were about 9 to 9.3 times more frequent this week than usual.
- Total VOC levels remained low, maxing at 0.004 ppm; no exceedances were recorded.
- Sound Intensity Levels ranged from 53.0 to 62.8 dBA with no exceedances, maintaining a stable trend.
- Hydrogen Sulfide and TVOC sensors experienced multiple justified flatline events indicating consistent sensor readings without variation.

## Site conditions — wind

Facility-level · shown once




**Prevailing direction** · North **Avg speed** · 0 m/s

0–2 m/s 2–4 m/s 4–6 m/s 6–8 m/s 8+ m/s

Wind is reported at the facility level for the whole period. When the payload carries no wind layer this section is omitted entirely and the roster reflows upward — no empty placeholder.

## Sensor roster

One row per sensor record

| SENSOR | PARAMETER | EQUIPMENT | ALARM COND. | EXC. | EVENTS | SCHEME | STATUS |
|---|---|---|---|---|---|---|---|
| **5546** | Concentration | SL052301 | N/A | 0 | 23 | AQI | Normal |
| **5549** | Concentration | SL052301 | N/A | 0 | 16 | AQI | Normal |
| **5556** | Concentration | SL052301 | N/A | 0 | 50 | AQI | Normal |
| **5594** | Concentration | SL052301 | N/A | 0 | 6 | — | Normal |

All 4 sensor records in this report. Rows use existing dataset statuses only — no aggregate health score is synthesised.

# Hydrogen Sulfide

Sensor 5546 · Concentration · ppm

SL052301

## SENSOR DETAIL & KEY METRICS

| EQUIP. NAME | EQUIPMENT ID | SENSOR ID |
|---|---|---|
| **SL052301** | **SL052301** | **5546** |
| PARAMETER | UNIT | LAST CALIBRATION |
| **Concentration** | **ppm** | **N/A** |

| EXCEEDANCES | EXCEEDED TIME | ALARM CONDITION | CONNECTED EVENTS |
|---|---|---|---|
| **0** | **0%** | **N/A** | **23** |

## Air quality — Standard AQI

Resolved scheme · AQI fallback

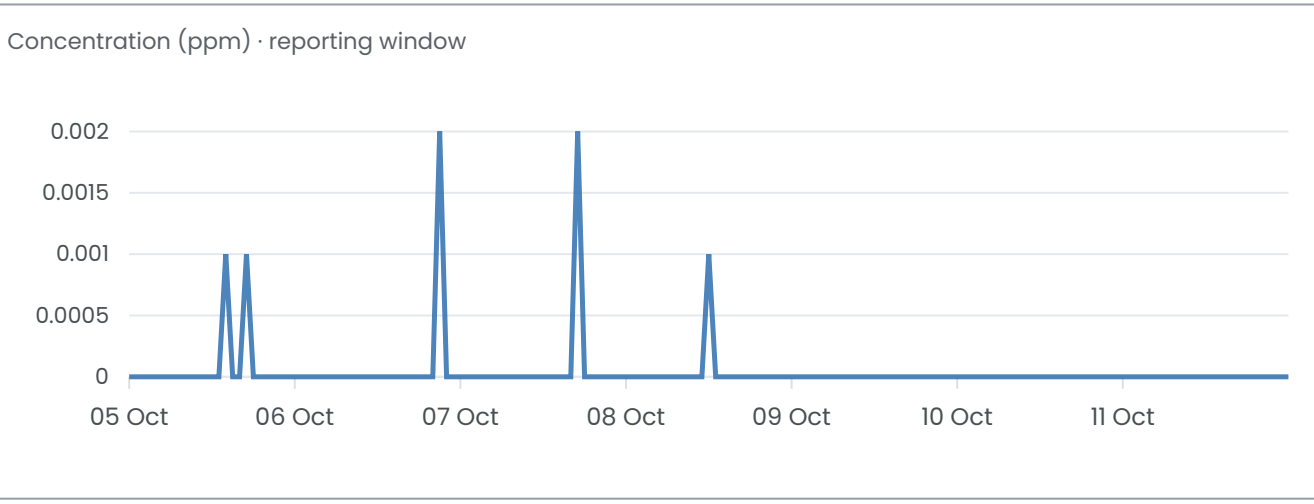



Standard AQI colours are used because no customer air-quality thresholds are configured for this sensor. All six categories are shown; bands with no readings are dimmed but retained.

| | | | |
|---|---|---|---|
| Good | **162 · 100.0%** | Moderate | **0 · 0.0%** |
| Sensitive | **0 · 0.0%** | Unhealthy | **0 · 0.0%** |
| Very Unhealthy | **0 · 0.0%** | Hazardous | **0 · 0.0%** |

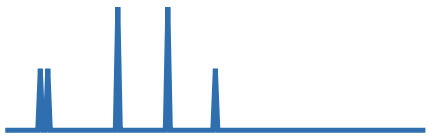
## Concentration trend

Primary visual · full width




## DATA TREND

**No significant trend.** Data trend shows no significant trend

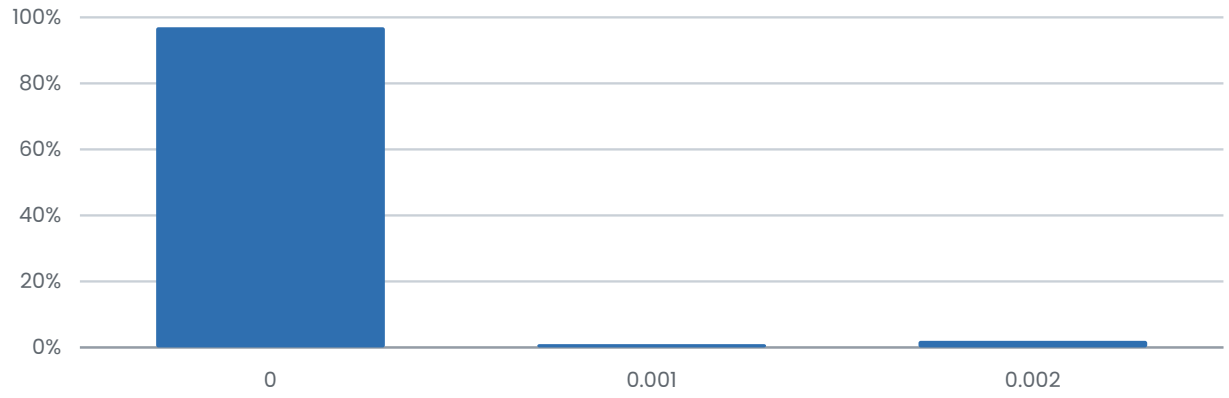


**Hydrogen Sulfide · Sensor 5546** — supporting analysis (continued)

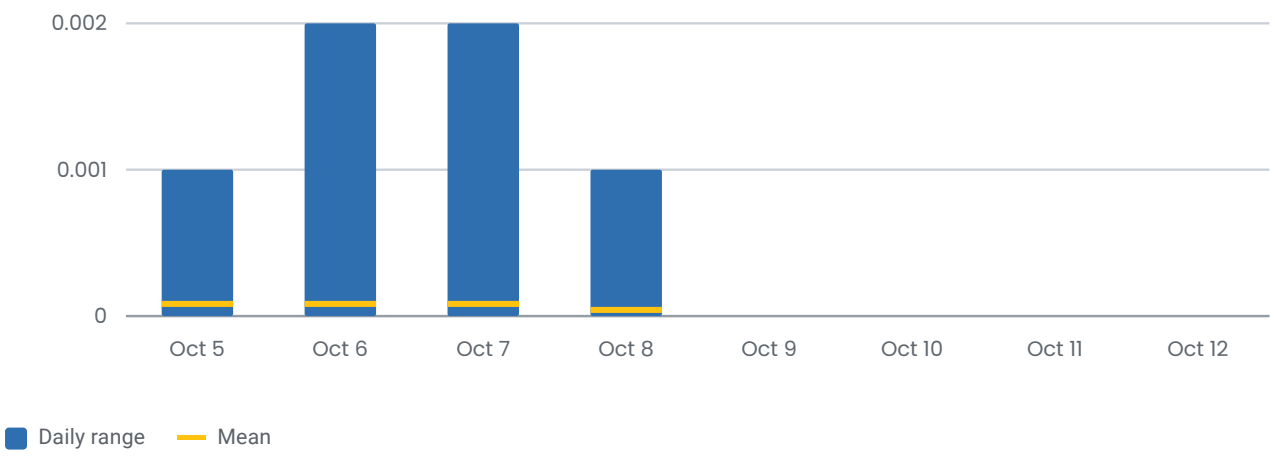
## Distribution analysis

Stacked full width

**Concentration histogram** — share of readings per concentration bin (ppm)




**Daily distribution** — daily min–max range with mean (ppm)



**Hydrogen Sulfide · Sensor 5546** — connected events (continued)

CONNECTED EVENTS

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 4, 17:00 – Oct 11, 17:00 | frequency_trend | Flatlines on Hydrogen Sulfide are about 2.6 times more frequent this week than usual | Justified | 21 |
| Oct 4, 17:33 – Oct 5, 12:23 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 1143 |
| Oct 5, 17:46 – Oct 5, 18:24 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 11 |
| Oct 5, 18:26 – Oct 5, 19:19 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 26 |
| Oct 5, 19:21 – Oct 5, 22:03 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 140 |
| Oct 5, 22:21 – Oct 6, 03:38 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 296 |
| Oct 6, 03:42 – Oct 6, 12:23 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 509 |
| Oct 6, 12:28 – Oct 6, 14:32 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 100 |
| Oct 6, 15:18 – Oct 6, 16:12 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 27 |
| Oct 6, 16:18 – Oct 6, 16:52 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 7 |
| Oct 6, 19:12 – Oct 6, 20:44 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 64 |
| Oct 6, 20:46 – Oct 6, 23:01 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 108 |
| Oct 6, 23:58 – Oct 7, 00:38 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 13 |
| Oct 7, 00:50 – Oct 7, 04:30 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 200 |
| Oct 7, 04:32 – Oct 7, 07:59 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 185 |

**Hydrogen Sulfide · Sensor 5546** — connected events (continued)

CONNECTED EVENTS · EVENTS 16–23 OF 23

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 7, 08:14 – Oct 7, 12:21 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 227 |
| Oct 7, 12:28 – Oct 7, 16:20 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 211 |
| Oct 7, 16:22 – Oct 8, 08:02 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 939 |
| Oct 8, 08:12 – Oct 8, 11:56 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 205 |
| Oct 8, 11:59 – Oct 9, 08:03 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 1196 |
| Oct 9, 08:12 – Oct 10, 03:10 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 1139 |
| Oct 10, 03:12 – Oct 11, 18:21 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 2368 |
| Oct 11, 18:23 – Oct 12, 00:15 | flatline | flatline detected on H2S-10 sensor for equipment: SL052301 | Justified | 329 |

# Sulfur Dioxide

Sensor 5549 · Concentration · ppm

SL052301

## SENSOR DETAIL & KEY METRICS

| EQUIP. NAME | EQUIPMENT ID | SENSOR ID |
|---|---|---|
| **SL052301** | **SL052301** | **5549** |
| PARAMETER | UNIT | LAST CALIBRATION |
| **Concentration** | **ppm** | **N/A** |

| EXCEEDANCES | EXCEEDED TIME | ALARM CONDITION | CONNECTED EVENTS |
|---|---|---|---|
| **0** | **0%** | **N/A** | **16** |

## Air quality — Standard AQI

Resolved scheme · AQI fallback



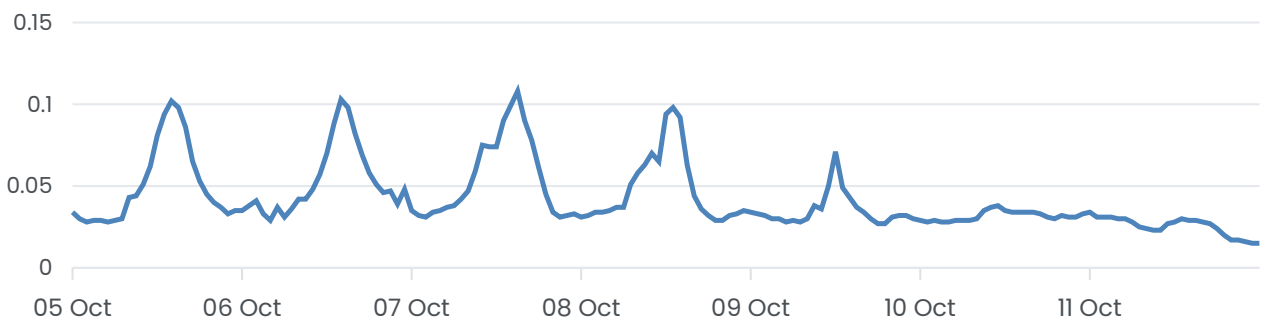

Standard AQI colours are used because no customer air-quality thresholds are configured for this sensor. All six categories are shown; bands with no readings are dimmed but retained.

| | | | |
|---|---|---|---|
| Good | **162 · 100.0%** | Moderate | **0 · 0.0%** |
| Sensitive | **0 · 0.0%** | Unhealthy | **0 · 0.0%** |
| Very Unhealthy | **0 · 0.0%** | Hazardous | **0 · 0.0%** |

## Concentration trend

Primary visual · full width

Concentration (ppm) · reporting window




## DATA TREND

**No significant trend.** Data trend shows no significant trend

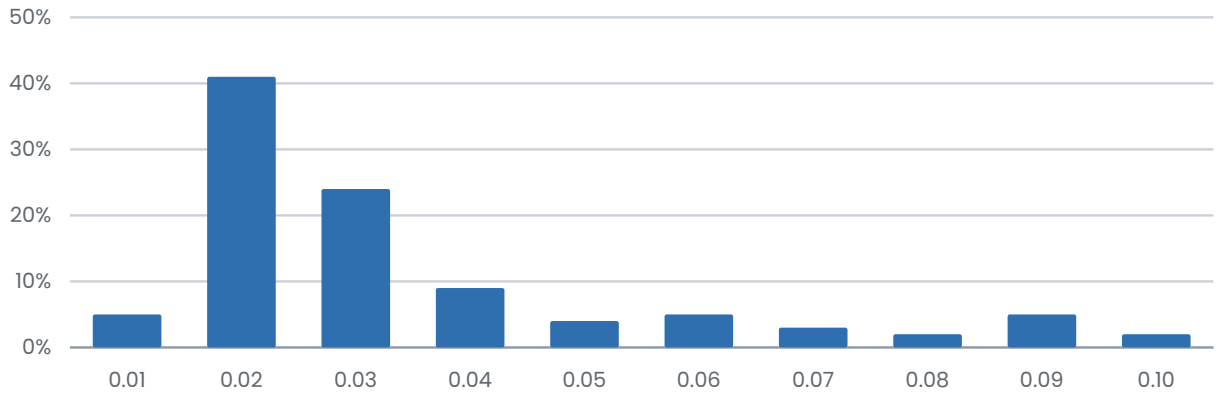


**Sulfur Dioxide · Sensor 5549** — supporting analysis (continued)

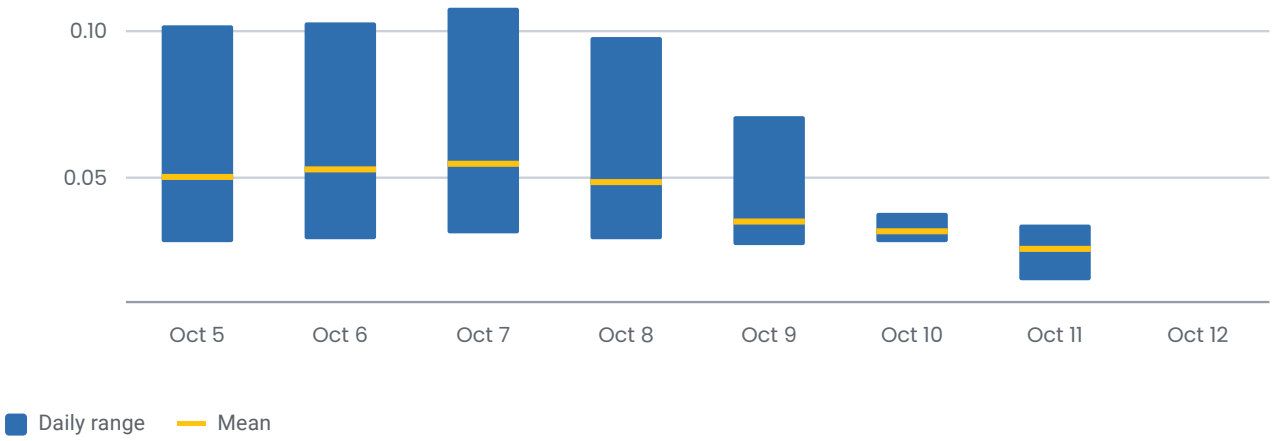
## Distribution analysis

Stacked full width

**Concentration histogram** — share of readings per concentration bin (ppm)




**Daily distribution** — daily min–max range with mean (ppm)



**Sulfur Dioxide · Sensor 5549** — connected events (continued)

CONNECTED EVENTS

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Sep 27, 17:00 – Oct 4, 17:00 | frequency_trend | Spikes on Sulfur Dioxide are about 9 times more frequent this week than usual | Justified | 9 |
| Oct 4, 17:00 – Oct 11, 17:00 | frequency_trend | Spikes on Sulfur Dioxide are about 9.3 times more frequent this week than usual | Justified | 14 |
| Oct 5, 12:35 – Oct 5, 12:35 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 1 |
| Oct 5, 12:52 – Oct 5, 12:57 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 3 |
| Oct 5, 13:12 – Oct 5, 14:25 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 34 |
| Oct 5, 15:07 – Oct 5, 15:08 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 2 |
| Oct 6, 13:19 – Oct 6, 13:19 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 1 |
| Oct 6, 13:45 – Oct 6, 13:46 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 2 |
| Oct 6, 13:57 – Oct 6, 13:57 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 1 |
| Oct 6, 14:24 – Oct 6, 14:24 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 1 |
| Oct 6, 20:45 – Oct 6, 20:45 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 1 |

**Sulfur Dioxide · Sensor 5549** — connected events (continued)

CONNECTED EVENTS · EVENTS 12–16 OF 16

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 7, 13:55 – Oct 7, 14:23 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 11 |
| Oct 7, 16:21 – Oct 7, 16:21 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 1 |
| Oct 8, 11:58 – Oct 8, 12:00 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 2 |
| Oct 8, 13:02 – Oct 8, 13:11 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 10 |
| Oct 9, 11:07 – Oct 9, 11:21 | spike | spike detected on SO2-20 sensor for equipment: SL052301 | Not Yet Justified | 4 |

# Total VOC - PID

Sensor 5556 · Concentration · ppm

SL052301

## SENSOR DETAIL & KEY METRICS

| EQUIP. NAME | EQUIPMENT ID | SENSOR ID |
|---|---|---|
| **SL052301** | **SL052301** | **5556** |
| PARAMETER | UNIT | LAST CALIBRATION |
| **Concentration** | **ppm** | **2023.08.08** |

| EXCEEDANCES | EXCEEDED TIME | ALARM CONDITION | CONNECTED EVENTS |
|---|---|---|---|
| **0** | **0%** | **N/A** | **50** |

## Air quality — Standard AQI

Resolved scheme · AQI fallback



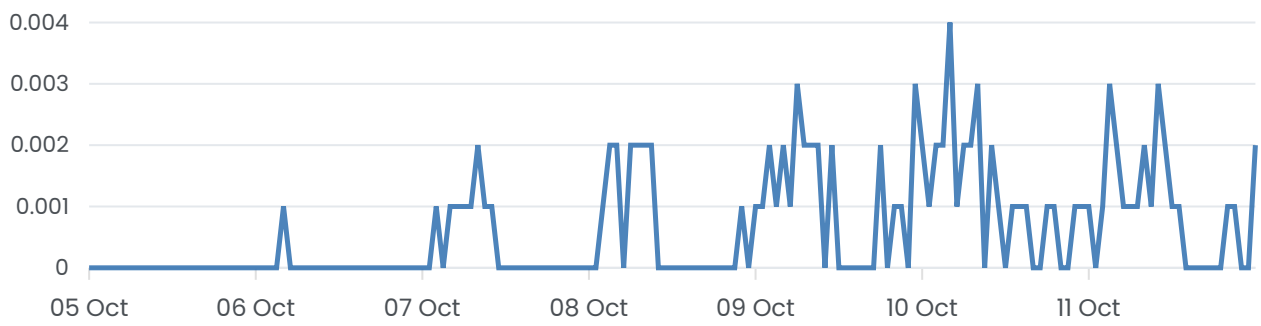

Standard AQI colours are used because no customer air-quality thresholds are configured for this sensor. All six categories are shown; bands with no readings are dimmed but retained.

| | | | |
|---|---|---|---|
| Good | **162 · 100.0%** | Moderate | **0 · 0.0%** |
| Sensitive | **0 · 0.0%** | Unhealthy | **0 · 0.0%** |
| Very Unhealthy | **0 · 0.0%** | Hazardous | **0 · 0.0%** |

## Concentration trend

Primary visual · full width

Concentration (ppm) · reporting window




## DATA TREND

**No significant trend.** Data trend shows no significant trend

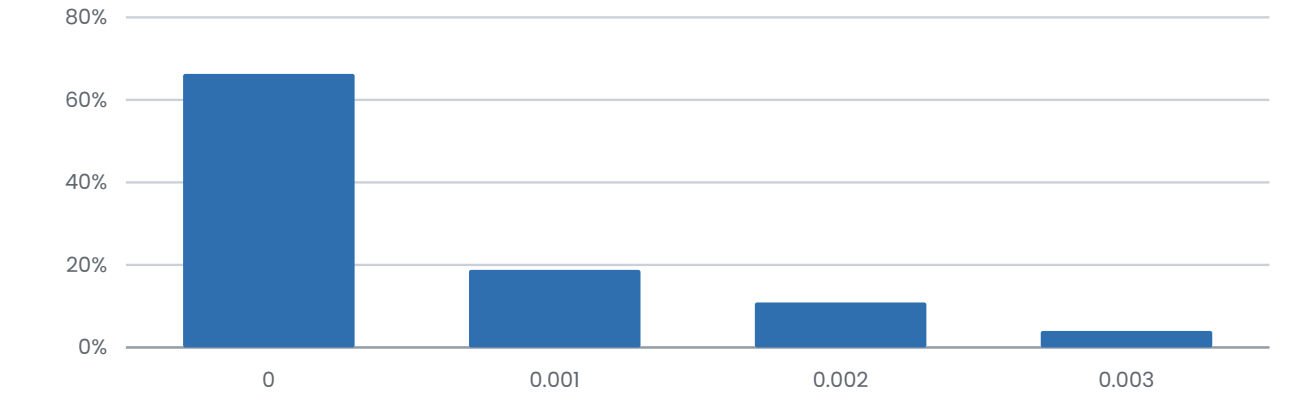


**Total VOC - PID · Sensor 5556** — supporting analysis (continued)

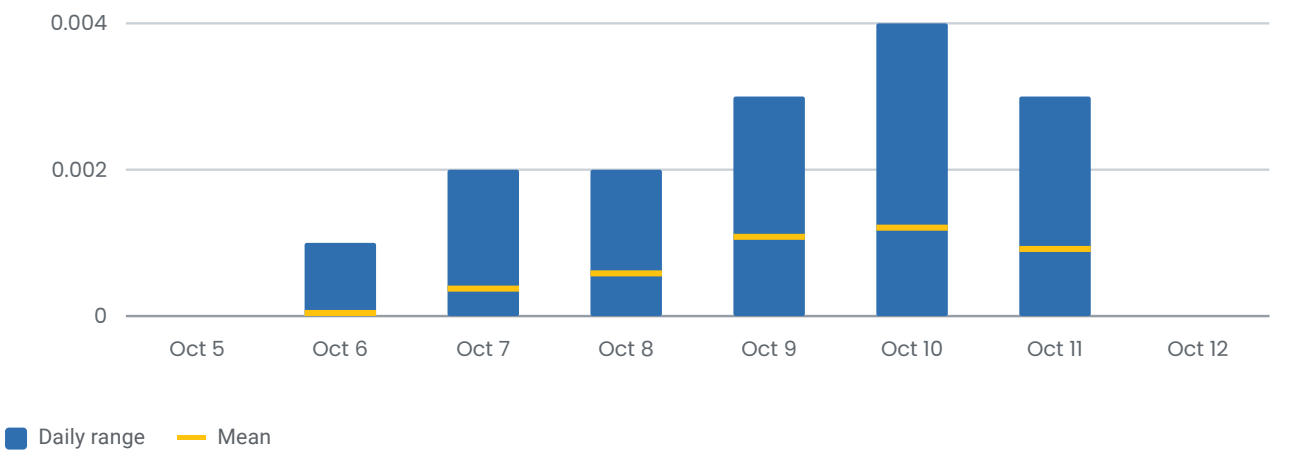
## Distribution analysis

Stacked full width

**Concentration histogram** — share of readings per concentration bin (ppm)




**Daily distribution** — daily min–max range with mean (ppm)



**Total VOC - PID · Sensor 5556** — connected events (continued)

CONNECTED EVENTS

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 4, 20:08 – Oct 5, 03:51 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 450 |
| Oct 5, 03:53 – Oct 5, 05:36 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 79 |
| Oct 5, 05:38 – Oct 5, 06:38 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 35 |
| Oct 5, 06:40 – Oct 5, 07:56 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 51 |
| Oct 5, 08:28 – Oct 6, 03:54 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 1167 |
| Oct 6, 03:56 – Oct 7, 00:11 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 1217 |
| Oct 7, 00:13 – Oct 7, 01:07 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 27 |
| Oct 7, 01:39 – Oct 7, 02:19 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 13 |
| Oct 7, 02:37 – Oct 7, 03:21 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 18 |
| Oct 7, 04:39 – Oct 7, 05:08 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 2 |
| Oct 7, 08:13 – Oct 7, 09:08 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 29 |
| Oct 7, 09:14 – Oct 7, 18:42 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 552 |
| Oct 7, 18:44 – Oct 7, 21:44 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 159 |
| Oct 7, 21:52 – Oct 7, 22:33 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 15 |
| Oct 7, 22:50 – Oct 7, 23:22 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 5 |

**Total VOC - PID · Sensor 5556** — connected events (continued)

CONNECTED EVENTS · EVENTS 16–30 OF 50

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 7, 23:40 – Oct 8, 00:08 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 1 |
| Oct 8, 00:12 – Oct 8, 01:04 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 26 |
| Oct 8, 05:51 – Oct 8, 06:28 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 11 |
| Oct 8, 06:57 – Oct 8, 07:31 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 7 |
| Oct 8, 09:04 – Oct 8, 18:14 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 539 |
| Oct 8, 18:16 – Oct 8, 20:11 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 87 |
| Oct 8, 20:13 – Oct 8, 21:24 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 44 |
| Oct 8, 22:00 – Oct 8, 22:48 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 20 |
| Oct 8, 23:31 – Oct 9, 00:02 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 1 |
| Oct 9, 00:14 – Oct 9, 00:45 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 2 |
| Oct 9, 03:51 – Oct 9, 04:27 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 7 |
| Oct 9, 08:39 – Oct 9, 09:55 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 50 |
| Oct 9, 10:33 – Oct 9, 11:46 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 48 |
| Oct 9, 11:48 – Oct 9, 17:46 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 340 |
| Oct 9, 17:48 – Oct 9, 18:22 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 7 |

**Total VOC - PID · Sensor 5556** — connected events (continued)

CONNECTED EVENTS · EVENTS 31–45 OF 50

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 9, 18:24 – Oct 9, 19:19 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 29 |
| Oct 9, 21:18 – Oct 9, 22:08 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 23 |
| Oct 10, 11:02 – Oct 10, 12:18 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 51 |
| Oct 10, 12:21 – Oct 10, 13:16 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 29 |
| Oct 10, 14:21 – Oct 10, 15:17 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 29 |
| Oct 10, 15:19 – Oct 10, 16:17 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 32 |
| Oct 10, 18:44 – Oct 10, 19:57 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 44 |
| Oct 10, 20:15 – Oct 10, 20:48 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 6 |
| Oct 10, 21:35 – Oct 10, 22:06 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 2 |
| Oct 10, 23:04 – Oct 10, 23:32 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 1 |
| Oct 10, 23:37 – Oct 11, 00:05 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 2 |
| Oct 11, 00:36 – Oct 11, 01:05 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 2 |
| Oct 11, 11:37 – Oct 11, 12:12 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 5 |
| Oct 11, 12:52 – Oct 11, 14:19 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 60 |
| Oct 11, 14:31 – Oct 11, 15:56 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 58 |

**Total VOC - PID · Sensor 5556** — connected events (continued)

CONNECTED EVENTS · EVENTS 46–50 OF 50

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 11, 16:38 – Oct 11, 18:11 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 68 |
| Oct 11, 18:15 – Oct 11, 19:05 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 23 |
| Oct 11, 19:27 – Oct 11, 19:55 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 1 |
| Oct 11, 19:57 – Oct 11, 20:47 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 23 |
| Oct 11, 21:18 – Oct 11, 22:12 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052301 | Justified | 28 |

# Sound Intensity Level - Class II

Sensor 5594 · Concentration · dBA

SL052301

## SENSOR DETAIL & KEY METRICS

| EQUIP. NAME | EQUIPMENT ID | SENSOR ID |
|---|---|---|
| **SL052301** | **SL052301** | **5594** |
| PARAMETER | UNIT | LAST CALIBRATION |
| **Concentration** | **dBA** | **N/A** |

| EXCEEDANCES | EXCEEDED TIME | ALARM CONDITION | CONNECTED EVENTS |
|---|---|---|---|
| **0** | **0%** | **N/A** | **6** |

## Air quality — not available

No categorisation for this parameter

No air-quality categorisation applies to this parameter, so only the concentration series is shown.

## Concentration trend

Primary visual · full width




## DATA TREND

**No significant trend.** Data trend shows no significant trend

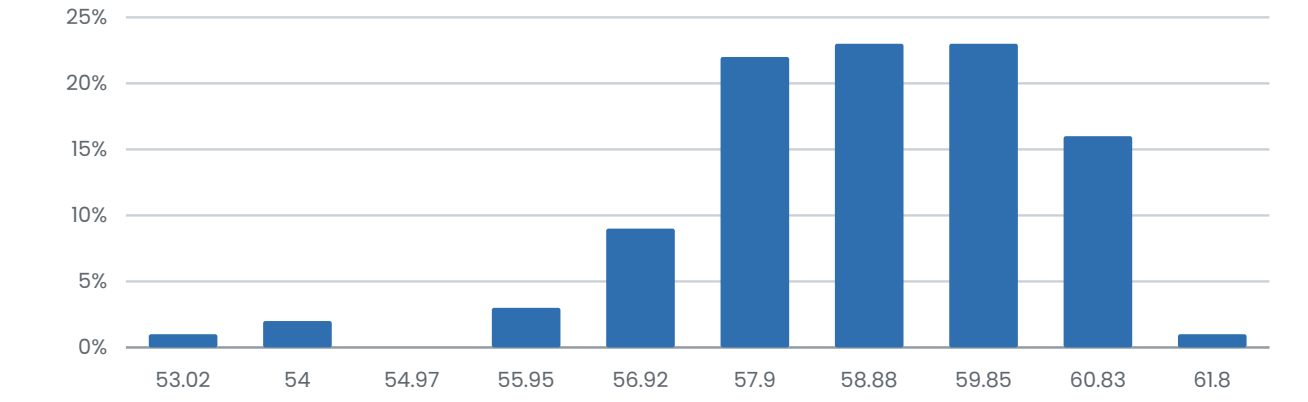


**Sound Intensity Level - Class II · Sensor 5594** — supporting analysis (continued)

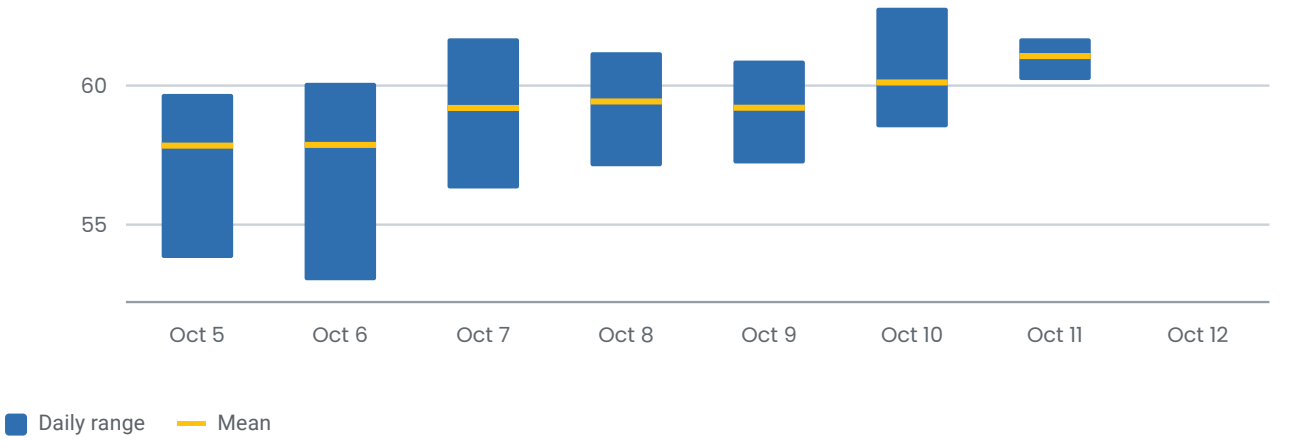
## Distribution analysis

Stacked full width

**Concentration histogram** — share of readings per concentration bin (dBA)




**Daily distribution** — daily min–max range with mean (dBA)



**Sound Intensity Level - Class II · Sensor 5594** — connected events (continued)

CONNECTED EVENTS

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 7, 14:08 – Oct 7, 14:08 | spike | spike detected on SND-LVL-C2 sensor for equipment: SL052301 | Not Yet Justified | 1 |
| Oct 7, 14:28 – Oct 7, 14:32 | spike | spike detected on SND-LVL-C2 sensor for equipment: SL052301 | Not Yet Justified | 2 |
| Oct 8, 13:00 – Oct 8, 13:05 | spike | spike detected on SND-LVL-C2 sensor for equipment: SL052301 | Not Yet Justified | 6 |
| Oct 9, 06:21 – Oct 9, 06:21 | spike | spike detected on SND-LVL-C2 sensor for equipment: SL052301 | Not Yet Justified | 1 |
| Oct 10, 13:15 – Oct 10, 13:24 | spike | spike detected on SND-LVL-C2 sensor for equipment: SL052301 | Not Yet Justified | 7 |
| Oct 11, 19:57 – Oct 11, 19:57 | spike | spike detected on SND-LVL-C2 sensor for equipment: SL052301 | Not Yet Justified | 1 |

REPORT CONTEXT

| FACILITY | SCOPE | REPORT PERIOD | GENERATED | PREPARED BY |
|---|---|---|---|---|
| **Murphy** | **4 sensors · 1 station** | **2026.10.05 00:00 – 2026.10.12 00:00 (UTC-07:00)** | **2026.10.13** | **lou.zylstra@ebresources.com** |

## Report summary

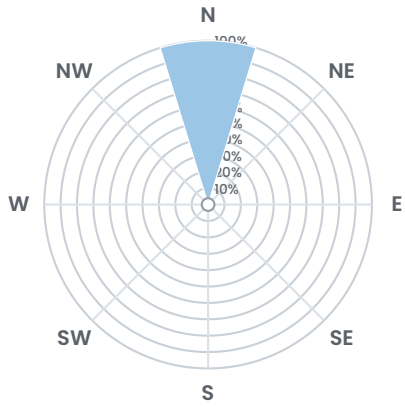
AI-generated · Report-wide overview

This individual sensor report covers measurements from equipment SL052302 at the Murphy facility for the week. Sensors monitored include Hydrogen Sulfide (H2S-10), Sulfur Dioxide (SO2-20), Total VOC - PID (TVOC-P-40), and Sound Intensity Level - Class II (SND-LVL-C2). All sensors showed no significant trend and maintained averages within the set goals. No exceedances or alarm conditions were recorded during the period.

- Hydrogen Sulfide (H2S-10) levels remained very low, with maximum values reaching 0.002 ppm and total readings of 169 without any exceedances.
- Sulfur Dioxide (SO2-20) showed maximum daily measurements up to 0.182 ppm, with no exceedances detected despite reported frequent spikes.
- Total VOC - PID (TVOC-P-40) readings registered consistently at zero ppm throughout the week, indicating no detectable VOC levels.
- Sound Intensity Level (SND-LVL-C2) fluctuated between 59.0 dBA and 69.1 dBA, staying within the average goal range without exceeding limits.
- Multiple justified flatline events were detected on H2S-10 and TVOC-P-40 sensors, while several spikes on SO2-20 and SND-LVL-C2 sensors remain not yet justified.

## Site conditions — wind

Facility-level · shown once




**Prevailing direction** · North **Avg speed** · 0 m/s

0–2 m/s 2–4 m/s 4–6 m/s 6–8 m/s 8+ m/s

Wind is reported at the facility level for the whole period. When the payload carries no wind layer this section is omitted entirely and the roster reflows upward — no empty placeholder.

## Sensor roster

One row per sensor record

| SENSOR | PARAMETER | EQUIPMENT | ALARM COND. | EXC. | EVENTS | SCHEME | STATUS |
|---|---|---|---|---|---|---|---|
| **5559** | Concentration | SL052302 | N/A | 0 | 31 | AQI | Normal |
| **5562** | Concentration | SL052302 | N/A | 0 | 5 | AQI | Normal |
| **5569** | Concentration | SL052302 | N/A | 0 | 1 | AQI | Normal |
| **5595** | Concentration | SL052302 | N/A | 0 | 4 | — | Normal |

All 4 sensor records in this report. Rows use existing dataset statuses only — no aggregate health score is synthesised.

# Hydrogen Sulfide

Sensor 5559 · Concentration · ppm

SL052302

## SENSOR DETAIL & KEY METRICS

| EQUIP. NAME | EQUIPMENT ID | SENSOR ID |
|---|---|---|
| **SL052302** | **SL052302** | **5559** |
| PARAMETER | UNIT | LAST CALIBRATION |
| **Concentration** | **ppm** | **N/A** |

| EXCEEDANCES | EXCEEDED TIME | ALARM CONDITION | CONNECTED EVENTS |
|---|---|---|---|
| **0** | **0%** | **N/A** | **31** |

## Air quality — Standard AQI

Resolved scheme · AQI fallback



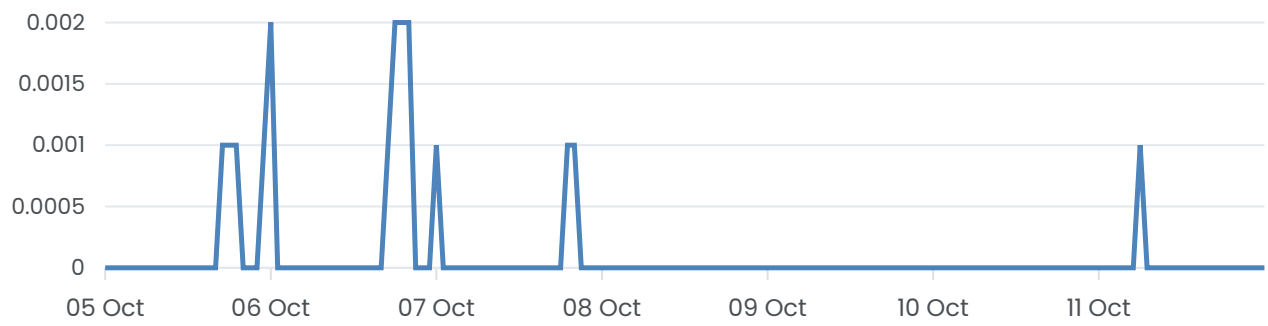

Standard AQI colours are used because no customer air-quality thresholds are configured for this sensor. All six categories are shown; bands with no readings are dimmed but retained.

| | | | |
|---|---|---|---|
| Good | **163 · 100.0%** | Moderate | **0 · 0.0%** |
| Sensitive | **0 · 0.0%** | Unhealthy | **0 · 0.0%** |
| Very Unhealthy | **0 · 0.0%** | Hazardous | **0 · 0.0%** |

## Concentration trend

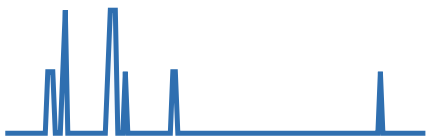
Primary visual · full width

Concentration (ppm) · reporting window




## DATA TREND

**No significant trend.** Data trend shows no significant trend

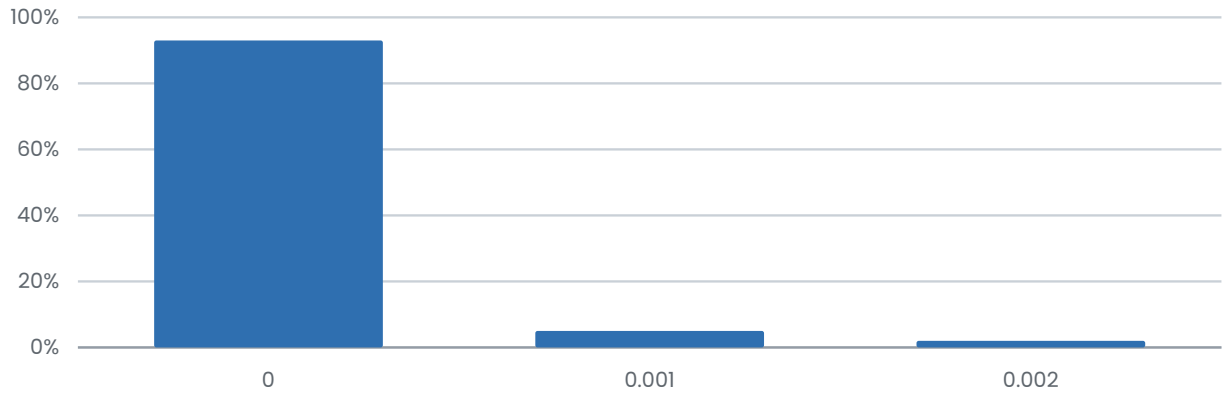


**Hydrogen Sulfide · Sensor 5559** — supporting analysis (continued)

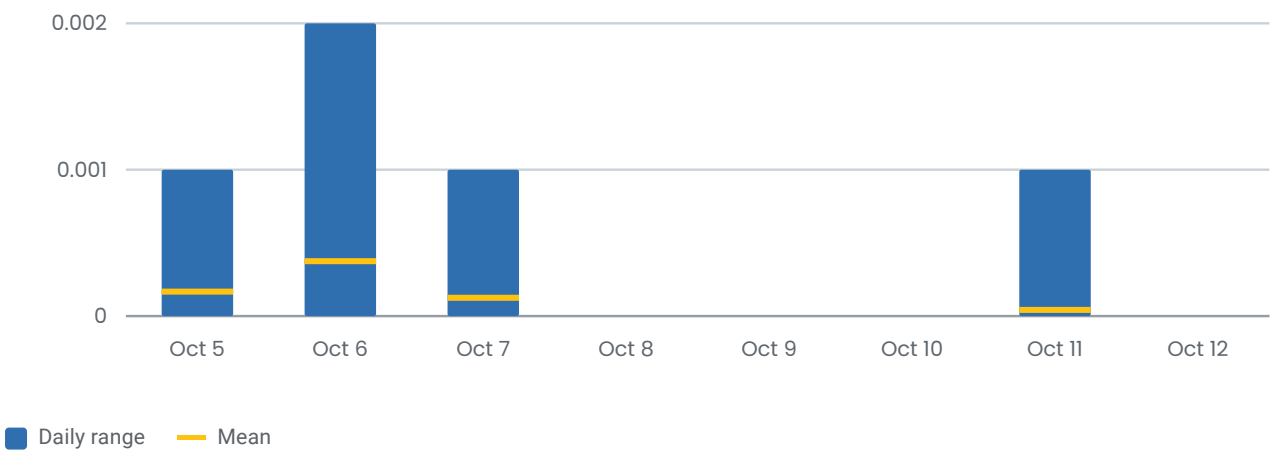
## Distribution analysis

Stacked full width

**Concentration histogram** — share of readings per concentration bin (ppm)




**Daily distribution** — daily min–max range with mean (ppm)



**Hydrogen Sulfide · Sensor 5559** — connected events (continued)

CONNECTED EVENTS

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 4, 23:28 – Oct 5, 01:06 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 73 |
| Oct 5, 01:08 – Oct 5, 02:00 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 26 |
| Oct 5, 02:02 – Oct 5, 12:50 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 642 |
| Oct 5, 14:43 – Oct 5, 15:34 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 24 |
| Oct 5, 19:30 – Oct 5, 20:53 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 58 |
| Oct 5, 21:20 – Oct 5, 21:55 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 8 |
| Oct 5, 23:13 – Oct 5, 23:42 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 2 |
| Oct 5, 23:57 – Oct 5, 23:57 | spike | spike detected on H2S-10 sensor for equipment: SL052302 | Not Yet Justified | 1 |
| Oct 5, 23:58 – Oct 6, 03:34 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 196 |
| Oct 6, 04:00 – Oct 6, 06:40 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 137 |
| Oct 6, 06:44 – Oct 6, 11:59 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 296 |
| Oct 6, 12:39 – Oct 6, 14:30 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 83 |
| Oct 6, 19:33 – Oct 6, 19:33 | spike | spike detected on H2S-10 sensor for equipment: SL052302 | Not Yet Justified | 1 |
| Oct 6, 20:34 – Oct 6, 21:06 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 5 |
| Oct 6, 21:25 – Oct 6, 22:47 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 57 |

**Hydrogen Sulfide · Sensor 5559** — connected events (continued)

CONNECTED EVENTS · EVENTS 16–30 OF 31

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 6, 23:36 – Oct 7, 12:17 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 753 |
| Oct 7, 12:19 – Oct 7, 15:09 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 145 |
| Oct 7, 15:11 – Oct 7, 16:51 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 74 |
| Oct 7, 17:15 – Oct 7, 18:35 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 55 |
| Oct 7, 19:54 – Oct 7, 23:34 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 194 |
| Oct 7, 23:36 – Oct 8, 11:08 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 687 |
| Oct 8, 11:25 – Oct 8, 18:26 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 408 |
| Oct 8, 19:28 – Oct 9, 06:21 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 636 |
| Oct 9, 06:23 – Oct 9, 19:13 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 756 |
| Oct 9, 19:15 – Oct 10, 01:58 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 379 |
| Oct 10, 02:00 – Oct 10, 14:48 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 767 |
| Oct 10, 14:51 – Oct 10, 21:33 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 384 |
| Oct 10, 21:35 – Oct 11, 01:06 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 181 |
| Oct 11, 01:37 – Oct 11, 05:20 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 204 |
| Oct 11, 05:47 – Oct 11, 10:26 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 259 |

**Hydrogen Sulfide · Sensor 5559** — connected events (continued)

CONNECTED EVENTS · EVENTS 31–31 OF 31

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 11, 10:29 – Oct 12, 00:16 | flatline | flatline detected on H2S-10 sensor for equipment: SL052302 | Justified | 823 |

# Sulfur Dioxide

Sensor 5562 · Concentration · ppm

SL052302

## SENSOR DETAIL & KEY METRICS

| EQUIP. NAME | EQUIPMENT ID | SENSOR ID |
|---|---|---|
| **SL052302** | **SL052302** | **5562** |
| PARAMETER | UNIT | LAST CALIBRATION |
| **Concentration** | **ppm** | **N/A** |

| EXCEEDANCES | EXCEEDED TIME | ALARM CONDITION | CONNECTED EVENTS |
|---|---|---|---|
| **0** | **0%** | **N/A** | **5** |

## Air quality — Standard AQI

Resolved scheme · AQI fallback

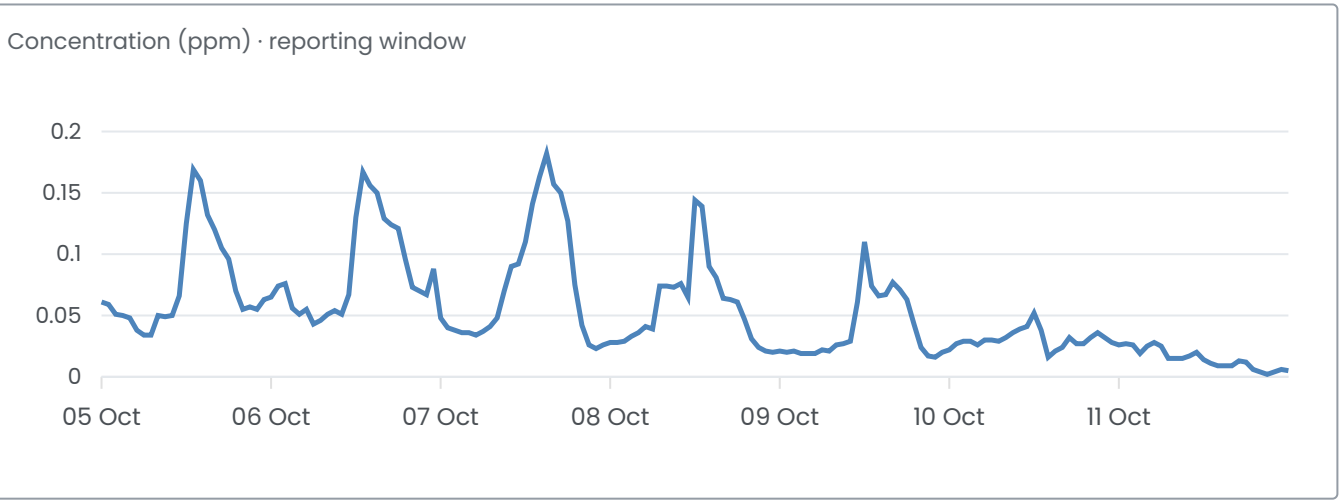



Standard AQI colours are used because no customer air-quality thresholds are configured for this sensor. All six categories are shown; bands with no readings are dimmed but retained.

| | | | |
|---|---|---|---|
| Good | **163 · 100.0%** | Moderate | **0 · 0.0%** |
| Sensitive | **0 · 0.0%** | Unhealthy | **0 · 0.0%** |
| Very Unhealthy | **0 · 0.0%** | Hazardous | **0 · 0.0%** |

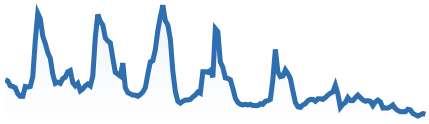
## Concentration trend

Primary visual · full width




## DATA TREND

**No significant trend.** Data trend shows no significant trend

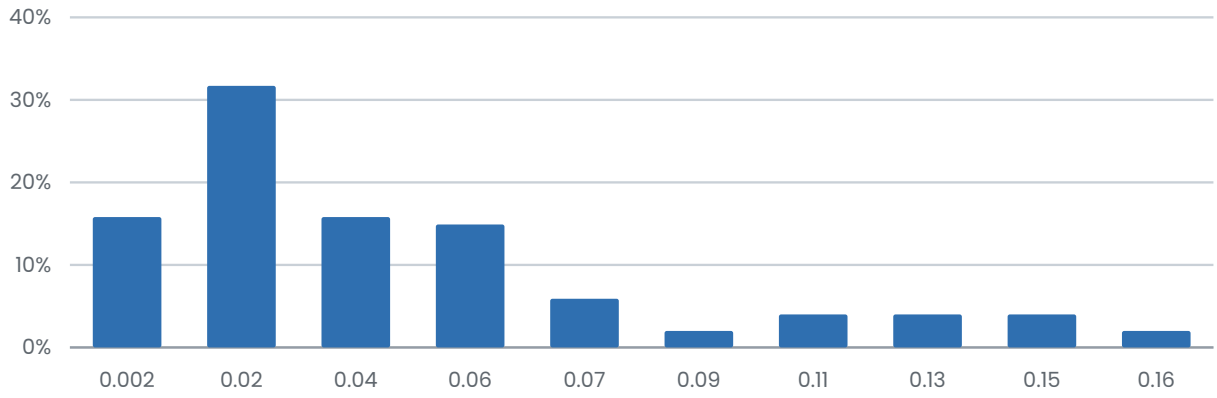


**Sulfur Dioxide · Sensor 5562** — supporting analysis (continued)

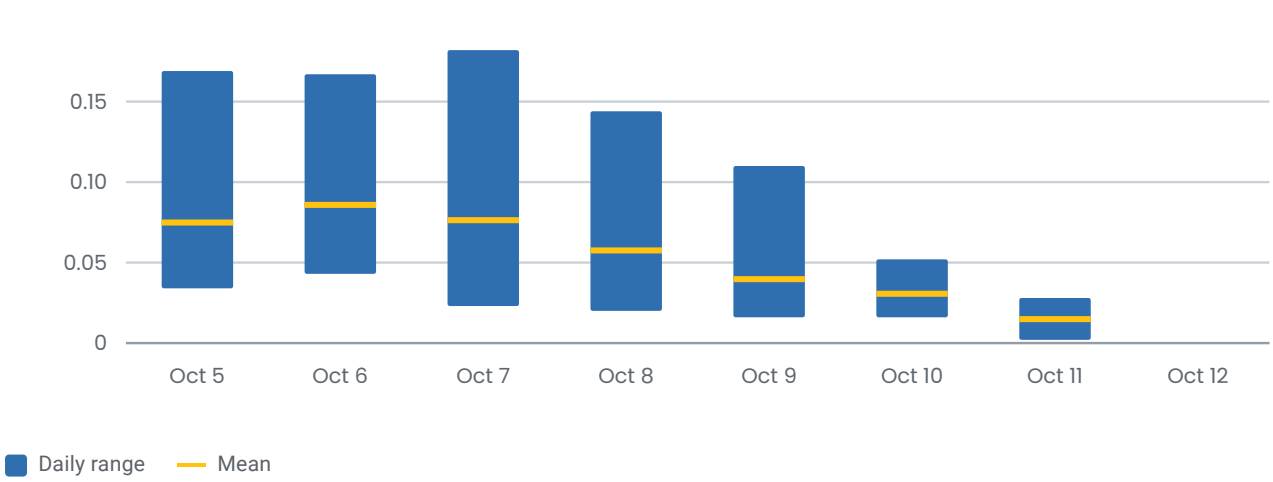
## Distribution analysis

Stacked full width

**Concentration histogram** — share of readings per concentration bin (ppm)




**Daily distribution** — daily min–max range with mean (ppm)



**Sulfur Dioxide · Sensor 5562** — connected events (continued)

CONNECTED EVENTS

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Sep 27, 17:00 – Oct 4, 17:00 | frequency_trend | Spikes on Sulfur Dioxide are about 5 times more frequent this week than usual | Justified | 5 |
| Oct 5, 11:55 – Oct 5, 13:37 | spike | spike detected on SO2-20 sensor for equipment: SL052302 | Not Yet Justified | 99 |
| Oct 6, 11:56 – Oct 6, 13:17 | spike | spike detected on SO2-20 sensor for equipment: SL052302 | Not Yet Justified | 67 |
| Oct 7, 12:18 – Oct 7, 12:31 | spike | spike detected on SO2-20 sensor for equipment: SL052302 | Not Yet Justified | 12 |
| Oct 7, 13:22 – Oct 7, 16:50 | spike | spike detected on SO2-20 sensor for equipment: SL052302 | Not Yet Justified | 174 |

# Total VOC - PID

Sensor 5569 · Concentration · ppm

SL052302

## SENSOR DETAIL & KEY METRICS

| EQUIP. NAME | EQUIPMENT ID | SENSOR ID |
|---|---|---|
| **SL052302** | **SL052302** | **5569** |
| PARAMETER | UNIT | LAST CALIBRATION |
| **Concentration** | **ppm** | **2023.08.08** |

| EXCEEDANCES | EXCEEDED TIME | ALARM CONDITION | CONNECTED EVENTS |
|---|---|---|---|
| **0** | **0%** | **N/A** | **1** |

## Air quality — Standard AQI

Resolved scheme · AQI fallback

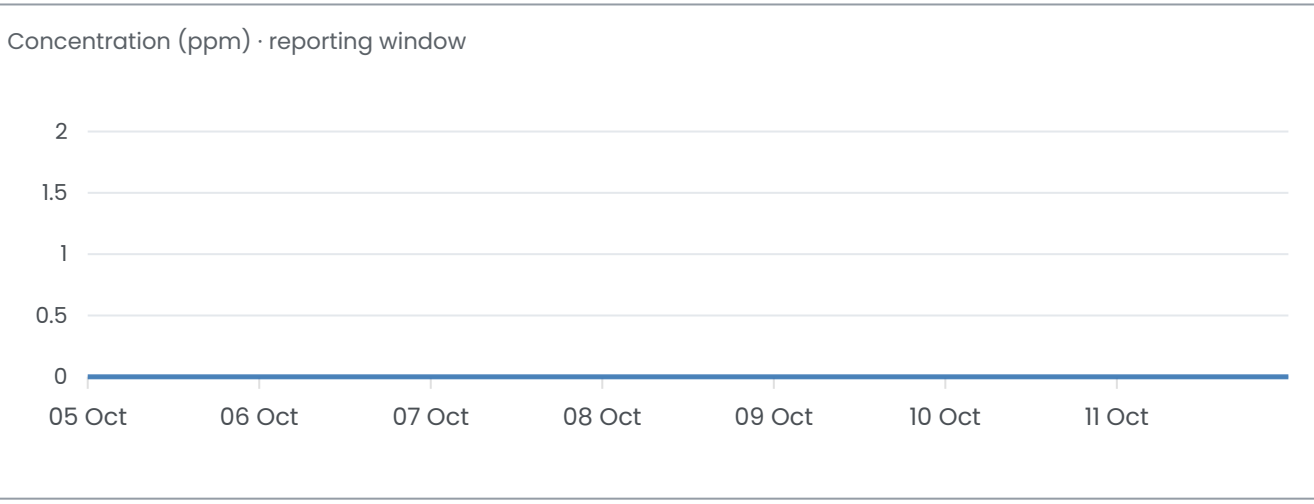



Standard AQI colours are used because no customer air-quality thresholds are configured for this sensor. All six categories are shown; bands with no readings are dimmed but retained.

| | | | |
|---|---|---|---|
| Good | **163 · 100.0%** | Moderate | **0 · 0.0%** |
| Sensitive | **0 · 0.0%** | Unhealthy | **0 · 0.0%** |
| Very Unhealthy | **0 · 0.0%** | Hazardous | **0 · 0.0%** |

## Concentration trend

Primary visual · full width




## DATA TREND

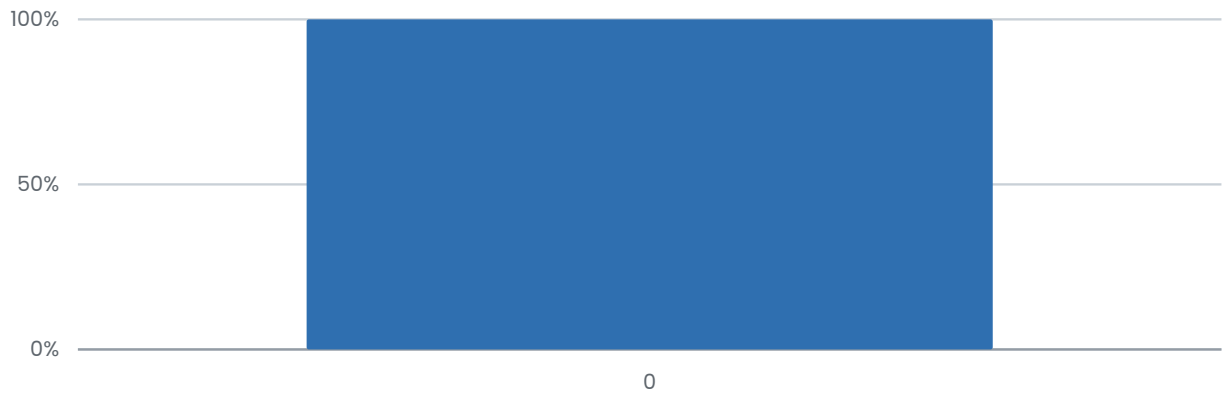
**No significant trend.** Data trend shows no significant trend

**Total VOC - PID · Sensor 5569** — supporting analysis (continued)

## Distribution analysis

Stacked full width

**Concentration histogram** — share of readings per concentration bin (ppm)




**Daily distribution** — daily min–max range with mean (ppm)

Insufficient data to calculate daily ranges.

CONNECTED EVENTS

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Sep 4, 12:48 – Oct 12, 00:16 | flatline | flatline detected on TVOC-P-40 sensor for equipment: SL052302 | Justified | 55638 |

# Sound Intensity Level - Class II

Sensor 5595 · Concentration · dBA

SL052302

## SENSOR DETAIL & KEY METRICS

| EQUIP. NAME | EQUIPMENT ID | SENSOR ID |
|---|---|---|
| **SL052302** | **SL052302** | **5595** |
| PARAMETER | UNIT | LAST CALIBRATION |
| **Concentration** | **dBA** | **N/A** |

| EXCEEDANCES | EXCEEDED TIME | ALARM CONDITION | CONNECTED EVENTS |
|---|---|---|---|
| **0** | **0%** | **N/A** | **4** |

## Air quality — not available

No categorisation for this parameter

No air-quality categorisation applies to this parameter, so only the concentration series is shown.

## Concentration trend

Primary visual · full width




## DATA TREND

**No significant trend.** Data trend shows no significant trend

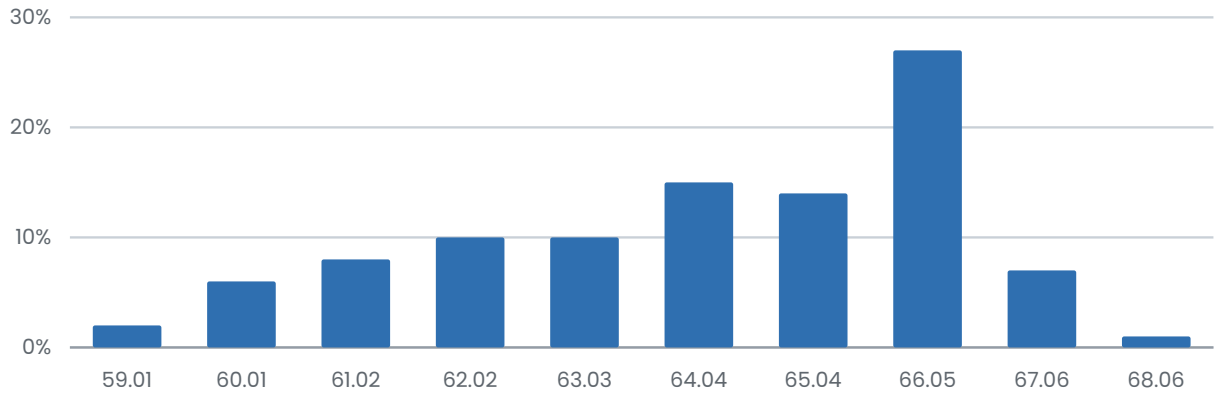


**Sound Intensity Level - Class II · Sensor 5595** — supporting analysis (continued)

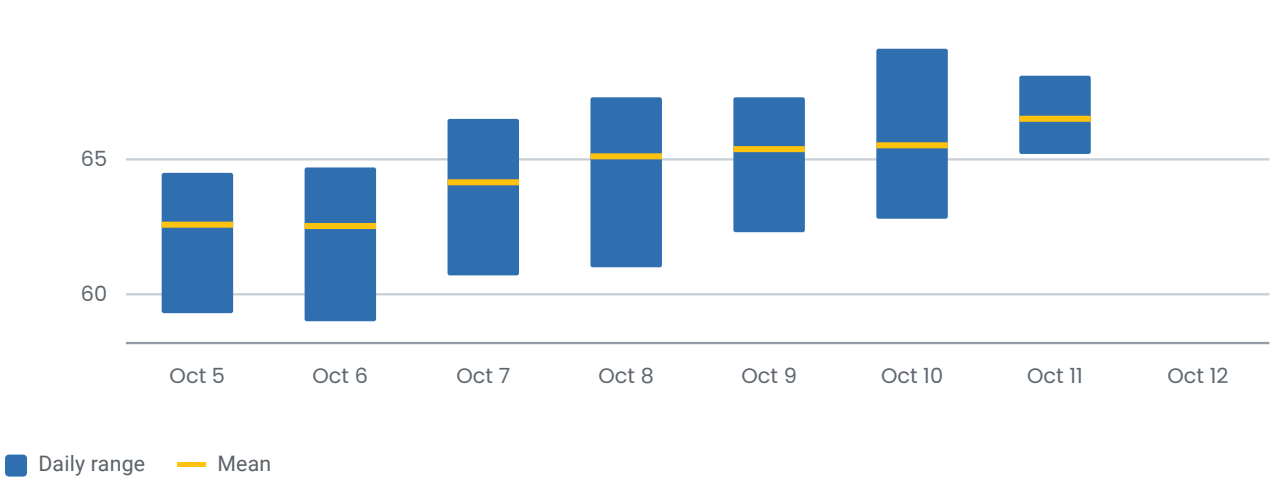
## Distribution analysis

Stacked full width

**Concentration histogram** — share of readings per concentration bin (dBA)




**Daily distribution** — daily min–max range with mean (dBA)



**Sound Intensity Level - Class II · Sensor 5595** — connected events (continued)

CONNECTED EVENTS

| DATE & TIME | TYPE | NOTES | JUSTIFICATION | OCCURRENCES |
|---|---|---|---|---|
| Oct 10, 12:14 – Oct 10, 12:20 | spike | spike detected on SND-LVL-C2 sensor for equipment: SL052302 | Not Yet Justified | 3 |
| Oct 10, 12:33 – Oct 10, 12:33 | spike | spike detected on SND-LVL-C2 sensor for equipment: SL052302 | Not Yet Justified | 1 |
| Oct 10, 12:44 – Oct 10, 12:44 | spike | spike detected on SND-LVL-C2 sensor for equipment: SL052302 | Not Yet Justified | 1 |
| Oct 10, 13:21 – Oct 10, 13:21 | spike | spike detected on SND-LVL-C2 sensor for equipment: SL052302 | Not Yet Justified | 1 |