



August 13, 2026
Jeff Beecher
San Joaquin Refining Co. Inc.

**Subject: San Joaquin Refining Co. Inc. Rule 4460 Fence-line Monitoring
Quarter 2 2026 Report**

Dear Jeff Beecher

Argos Scientific, Inc. is pleased to submit this quarterly report associated with the fence-line air monitoring program at San Joaquin Refining Co. Inc. (SJR). This report has been prepared in accordance with the San Joaquin Valley Air Pollution Control District's Rule 4460 and the program's Quality Assurance Project Plan (QAPP) for quarterly reporting. This report covers the period from April 1, 2026 through June 30, 2026.

The fence-line air monitoring data for SJR was made publicly available on August 26, 2025, providing real-time air quality information to the surrounding community. The monitoring network currently includes three open-path UV DOAS systems, two point monitoring systems, and one meteorological (MET) station, installed along the refinery fence-line at locations selected to capture emissions transported toward nearby sensitive receptors. A third point monitoring system at the south tank farm is currently undergoing installation and commissioning and is not included in this report.

The public-facing community website, where live data and visualizations can be accessed, is available at: <https://sjr.argos-scientific.com/>.

Please let us know if you have any questions regarding this report.

Sincerely,

Don Gamiles
President
Argos Scientific, Inc.

San Joaquin Refining Co. Inc. Rule 4460 Fence-line Monitoring

Q2 2026 Report

Prepared by:
Argos Scientific, Inc.



Prepared for:
San Joaquin Refining Co.



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List of Acronyms

BTEX – Benzene, Toluene, Ethylbenzene and Xylene

H₂S – Hydrogen Sulfide

MET – Meteorological

MPH – Miles Per Hour

NO₂ – Nitrogen Dioxide

OEHHA – Office of Environmental Health Hazard Assessment

PPB – Parts Per Billion

QA/QC – Quality Assurance / Quality Control

QAPP – Quality Assurance Project Plan

REL – Reference Exposure Level

RSD – Relative Standard Deviation

SJR – San Joaquin Refining Company, Inc.

SJVAPCD – San Joaquin Valley Air Pollution Control District

SO₂ – Sulfur Dioxide

UV DOAS – Ultraviolet Differential Optical Absorption Spectroscopy

1. Introduction

Petroleum refineries in the San Joaquin Valley are required to conduct real-time fence-line monitoring of several air pollutants under Rule 4460, adopted by the San Joaquin Valley Air Pollution Control District (SJVAPCD) to provide the public with air quality information at and near refinery property boundaries. San Joaquin Refining Co. Inc. (SJR) operates open-path and point-source air monitoring instrumentation along the refinery fence-line in accordance with Rule 4460 and the SJR Air Monitoring Plan and Quality Assurance Project Plan (QAPP). Measurements are obtained continuously and displayed in near real time on a publicly accessible website (<https://sjr.argos-scientific.com/>), giving the surrounding community ongoing visibility into fence-line data.

This report summarizes monitoring data collected during the second quarter of 2026 (April 1 – June 30, 2026) for three open-path UV DOAS systems and two point monitoring systems; a third point monitoring system at the south tank farm, intended to measure H₂S and SO₂, is excluded from this report as it is still undergoing commissioning. Consistent with the objectives of Rule 4460 and the QAPP, this report addresses data completeness, quarterly and monthly statistics, instrument performance checks, and any exceedances of applicable notification thresholds.

2. Monitoring Overview

SJR's fence-line monitoring network consists of three open-path UV DOAS systems, three hydrogen sulfide point monitors, and a meteorological (MET) station, positioned along the refinery boundary to capture emissions transported toward the sensitive receptors identified in the Air Monitoring Plan. Figure 1 shows the location of each monitoring site, and Table 1 summarizes the equipment installed and pollutants measured at each.

Paths 1 through 3 are open-path UV DOAS systems; each spans a fixed beam length and measures benzene, toluene, ethylbenzene, xylenes (BTEX), sulfur dioxide, nitrogen dioxide, and naphthalene over its beam length. Sites B and H house point monitors that measure hydrogen sulfide. A MET station at Site G provides wind speed, wind direction, temperature, and humidity data to support interpretation of the path and point monitor readings.

Site I, located at the south tank farm, is being installed as an additional H₂S/SO₂ point monitor and is currently in the installation and commissioning phase and is not included in the data presented in this report.



Figure 1: Site Map of Monitoring Locations

Table 1: Description of Monitoring Site Locations

Site	Equipment	Measurements
Path 1 (Site A to Site B)	Open-path UV DOAS	Benzene, toluene, ethylbenzene, xylenes, sulfur dioxide, nitrogen dioxide, naphthalene
Site B	H ₂ S point monitor	Hydrogen sulfide
Path 2 (Site C to Site D)	Open-path UV DOAS	Benzene, toluene, ethylbenzene, xylenes, sulfur dioxide, nitrogen dioxide, naphthalene
Path 3 (Site E to Site F)	Open-path UV DOAS	Benzene, toluene, ethylbenzene, xylenes, sulfur dioxide, nitrogen dioxide, naphthalene
Site G	MET Station	Wind speed, wind direction, temperature, humidity
Site H	H ₂ S point monitor	Hydrogen sulfide
Site I*	H ₂ S/SO ₂ point monitor	Hydrogen sulfide, sulfur dioxide

*Site I is in the installation and commissioning phase

3. Data Quality Assurance

Data quality is central to the value of the fence-line monitoring program, and SJR maintains a multi-layered quality assurance approach designed to meet the data quality objectives established in the QAPP. Incoming 5-minute measurements are first screened through automated quality control (QC) checks that evaluate instrument health indicators, including signal strength and spectral match quality for the open-path analyzers, and flag data accordingly as valid, invalid, or further review required. This automated screening is designed to catch the most common sources of data quality issues, such as low-visibility conditions, instrument drift, and communication interruptions, as soon as they occur. Data flagged for further review is evaluated by a qualified analyst and assigned a final validity determination in accordance with the QAPP.

Automated screening is supplemented by manual review performed by qualified analysts, who examine time-series data for each instrument to confirm reasonable operation and investigate any anomalies flagged by the automated system. On a quarterly basis, this review is extended to a more comprehensive assessment that includes evaluating instrument metadata, confirming that scheduled maintenance and calibration checks were completed, reviewing data completeness and validity statistics, and looking for statistical outliers or anomalies across the quarter. Together, these automated and manual processes are intended to ensure that the data presented in this report meet the accuracy, precision, and completeness objectives of the QAPP. All monitoring, data validation, and QA/QC activities performed during the quarter were conducted in accordance with the procedures established in the QAPP, including automated and manual data review, routine instrument maintenance, and scheduled calibration checks.

4. Data Completeness

Data completeness is one of the primary indicators used to evaluate whether the fence-line monitoring network is meeting its reporting objectives, since gaps in the data record limit the program's ability to inform the public and the SJVAPCD about fence-line data. Data completeness was assessed for each compound measured at each monitoring path and point monitor using the definitions and methodology described in Appendix A, which distinguish between data lost to weather conditions outside the monitoring team's control and data invalidated for other reasons. A detailed breakdown by path and compound is provided in Table A-1. Table B-1 in Appendix B lists the time periods of downtime beyond one hour.

All data collection and validation activities supporting the completeness calculations were performed in accordance with the QAPP. All systems maintained data completeness above 90% for the quarter.

5. Quarterly and Monthly Statistics

Quarterly and monthly statistics provide an additional layer of insight into the reporting quarter's data beyond completeness alone, supporting the identification of outliers and consistency across monitoring paths. Monthly and quarterly statistics including mean, standard deviation, minimum, maximum, and total valid data points for each monitoring path, compound, and period are provided in Appendix C (Table C-1 and Table C-2). All statistics were calculated using only valid data, in accordance with the QAPP, so that reported concentrations reflect measurements that have passed both automated and manual QC review.

Reviewing these statistics on a monthly and quarterly basis allows month-to-month variability to be distinguished from isolated data anomalies and supports comparison of measured concentrations to notification thresholds. This recurring statistical review is part of a broader effort to meet the data quality and reporting objectives of the QAPP throughout the reporting period.

6. Instrument Performance Checks

The accuracy of the open-path UV DOAS analyzers is verified monthly using a bump test, in which a known concentration of benzene gas in a sealed cell is inserted in the beam path and the reported concentration is compared with the known concentration. Once a quarter, the open-path UV DOAS analyzers are also verified with an SO₂ sealed cell. Accuracy is calculated as the percent difference between the recorded measurement and the known concentration, and precision is the relative standard deviation across replicate measurements. The requirement is that accuracy and precision each be within 15%. The spectral match between the measured and reference spectra is also verified for the test to be considered successful.

The H₂S point monitors are verified monthly with a zero and span check using the analyzer's calibrator to control the flow of the connected target gas cylinder and zero air generator to achieve the target concentration. The accuracy is calculated from the recorded measurement of the span check and is required to be within 15%.

These checks are a required element of the QAPP and provide ongoing assurance that instrument calibration has not drifted outside acceptable limits between scheduled maintenance visits. All checks were performed in accordance with the QAPP, and results are summarized in Tables D-1 and D-2 in Appendix D. All checks conducted on the open-path analyzers and on the point monitors passed for quarter 2.

7. REL Exceedances

A central reporting objective of Rule 4460 is to notify the SJVAPCD and the public promptly when fence-line concentrations exceed health-based notification thresholds. A 1-hour rolling average was calculated from the 5-minute data for each system and compound to identify any exceedances of the OEHHA acute 1-hour reference exposure level (REL) notification thresholds stipulated in the QAPP. Whenever an exceedance is identified, the operational performance of the associated instrument is reviewed to confirm the validity of the reading before it is reported.

Exceedance events, if any, are summarized in Table 2, along with the probable cause and any corrective action taken. The percentage of time each compound exceeded its REL during the quarter, which provides additional context on the frequency and duration of elevated readings relative to the length of the reporting period, is summarized in Table 3.

Table 2: Summary of REL Exceedance Events during Quarter 2 2026

Path/Site	Compound	Start Date/Time	Peak 1-hour Concentration (ppb)	Probable Cause / Corrective Action
All Paths/Sites	All Compounds	N/A	N/A	No exceedances of the QAPP notification thresholds were identified on a 1-hour average basis during Q2 2026.

Table 3: Percent of Time Each Measured Compound was above the REL for Quarter 2 2026

Compound	% of Time Above 1-hour REL
Benzene	0.00
Toluene	0.00
Ethylbenzene	N/A
Total Xylenes	0.00
Naphthalene	N/A
NO ₂	0.00
SO ₂	0.00
H ₂ S	0.00

8. Conclusions

Data collection, validation, and quality assurance activities for quarter 2 of 2026 were conducted in accordance with the SJR Air Monitoring Plan and QAPP. All required monitoring, maintenance, and quality control procedures were completed. Together, the automated and manual QC processes described in Section 3, the instrument performance checks summarized in Section 6, and the data completeness and statistical review discussed in Sections 4 and 5 reflect the ongoing commitment to meeting the data quality and reporting objectives established under Rule 4460 and the QAPP.

No exceedances of the QAPP's notification thresholds were identified for any monitored path, point monitor, or compound during quarter 2 of 2026, as detailed in Section 7. All bump test and span check results for the quarter met the accuracy and precision requirements established in the QAPP, as summarized in Appendix D.

The data completeness trends and instrument performance will be monitored across future quarters, and will implement any corrective actions identified through the QAPP's quarterly review process. The fence-line monitoring program remains committed to providing the SJVAPCD and the surrounding community with accurate, complete, and timely fence-line monitoring data in accordance with Rule 4460.

Appendix A - Data Completeness

Data completeness is assessed by reviewing the validation category assigned to each 5-minute measurement for each path and compound, consistent with the data quality objectives established in the QAPP. Completeness statistics are defined as follows:

Possible: The count of all 5-minute data points that could be collected for the reporting period

Captured: The count of all 5-minute data points that were collected for the reporting period

Missing: The count of all 5-minute data points where no data was collected

$$\text{Missing} = \text{Possible} - \text{Captured}$$

% Missing: The percentage of missing data points relative to the possible count of data points for the reporting period

$$\% \text{ Missing} = (\text{Missing} / \text{Possible}) \times 100$$

Invalid Weather: The count of 5-minute data points flagged as being impacted by weather-related events

Expected: A calculation of the possible number of data points adjusted to account for data invalidated by weather impacts

$$\text{Expected} = \text{Possible} - \text{Invalid Weather}$$

Other Invalid: The count of all 5-minute data points that are not flagged as being impact by weather and are not considered valid, example: an instrument produces an error code

% Other Invalid: The percentage of other invalid data points relative to the possible count of data points for the reporting period

$$\% \text{ Other Invalid} = (\text{Other Invalid} / \text{Possible}) \times 100$$

Valid: The number of 5-minute data points that are not affected by weather and are not considered invalid

% Valid: The percentage of valid data points relative to the possible count of data points for the reporting period

$$\% \text{ Valid} = (\text{Valid} / \text{Possible}) \times 100$$

Complete Hours: The count of block hours where more than 75% of the data is considered valid for that hour

Total Hours: The total number of block hours for the reporting period

% Complete: The percentage of data completeness for the reporting period

$$\% \text{ Complete} = (\text{Complete Hours} / \text{Total Hours}) \times 100$$

Table A-1: Data Completeness Per Compound / Parameter for Quarter 2

Path/Site	Compound/ Parameter	Possible	Captured	Missing	% Missing	Invalid Weather	Expected	Other Invalid	% Other Invalid	Valid	% Valid	Complete Hours	Total Hours	% Complete
Path 1	Benzene	26208	25561	647	2.5%	0	26208	263	1.0%	25298	96.5%	2104	2184	96.3%
Path 1	Toluene	26208	25561	647	2.5%	0	26208	256	1.0%	25305	96.6%	2104	2184	96.3%
Path 1	Ethylbenzene	26208	25561	647	2.5%	0	26208	256	1.0%	25305	96.6%	2104	2184	96.3%
Path 1	Total Xylenes	26208	25561	647	2.5%	0	26208	257	1.0%	25304	96.6%	2104	2184	96.3%
Path 1	SO ₂	26208	25561	647	2.5%	0	26208	362	1.4%	25199	96.2%	2102	2184	96.2%
Path 1	NO ₂	26208	25561	647	2.5%	0	26208	256	1.0%	25305	96.6%	2104	2184	96.3%
Path 1	Naphthalene	26208	25561	647	2.5%	0	26208	256	1.0%	25305	96.6%	2104	2184	96.3%
Path 2	Benzene	26208	25318	890	3.4%	0	26208	392	1.5%	24926	95.1%	2076	2184	95.1%
Path 2	Toluene	26208	25318	890	3.4%	0	26208	346	1.3%	24972	95.3%	2077	2184	95.1%
Path 2	Ethylbenzene	26208	25318	890	3.4%	0	26208	339	1.3%	24979	95.3%	2077	2184	95.1%
Path 2	Total Xylenes	26208	25318	890	3.4%	0	26208	340	1.3%	24978	95.3%	2077	2184	95.1%
Path 2	SO ₂	26208	25318	890	3.4%	0	26208	427	1.6%	24891	95.0%	2076	2184	95.1%
Path 2	NO ₂	26208	25318	890	3.4%	0	26208	338	1.3%	24980	95.3%	2077	2184	95.1%
Path 2	Naphthalene	26208	25318	890	3.4%	0	26208	338	1.3%	24980	95.3%	2077	2184	95.1%
Path 3	Benzene	26208	25282	926	3.5%	0	26208	649	2.5%	24633	94.0%	2049	2184	93.8%
Path 3	Toluene	26208	25282	926	3.5%	0	26208	649	2.5%	24633	94.0%	2049	2184	93.8%
Path 3	Ethylbenzene	26208	25282	926	3.5%	0	26208	649	2.5%	24633	94.0%	2049	2184	93.8%
Path 3	Total Xylenes	26208	25282	926	3.5%	0	26208	650	2.5%	24632	94.0%	2049	2184	93.8%
Path 3	SO ₂	26208	25282	926	3.5%	0	26208	858	3.3%	24424	93.2%	2044	2184	93.6%
Path 3	NO ₂	26208	25282	926	3.5%	0	26208	649	2.5%	24633	94.0%	2049	2184	93.8%

Path/Site	Compound/ Parameter	Possible	Captured	Missing	% Missing	Invalid Weather	Expected	Other Invalid	% Other Invalid	Valid	% Valid	Complete Hours	Total Hours	% Complete
Path 3	Naphthalene	26208	25282	926	3.5%	0	26208	649	2.5%	24633	94.0%	2049	2184	93.8%
Site B	H ₂ S	26208	25901	307	1.2%	0	26208	117	0.4%	25784	98.4%	2146	2184	98.3%
Site H	H ₂ S	26208	25919	289	1.1%	0	26208	72	0.3%	25847	98.6%	2151	2184	98.5%
Site G	Wind Speed	26208	26204	4	0.0%	0	26208	0	0.0%	26204	100.0%	2184	2184	100.0%
Site G	Wind Direction	26208	26204	4	0.0%	0	26208	0	0.0%	26204	100.0%	2184	2184	100.0%
Site G	Temperature	26208	26204	4	0.0%	0	26208	0	0.0%	26204	100.0%	2184	2184	100.0%
Site G	Humidity	26208	26204	4	0.0%	0	26208	0	0.0%	26204	100.0%	2184	2184	100.0%

Appendix B – Downtime Events

A summary of analyzer downtime events are the time periods where no data was reported for at least one hour and does not include time periods where there were weather impacts. These events are summarized in Table B-1.

Table B-1: Downtime Events for Quarter 2

Path/Site	Start Date/Time	End Date/Time	Description
Path 1	2026-04-23 09:30:00	2026-04-23 10:55:00	Remote system checks
Path 1	2026-04-23 23:25:00	2026-04-24 00:35:00	Remote system checks
Path 1	2026-04-24 00:50:00	2026-04-24 02:05:00	Remote system checks
Path 1	2026-05-26 09:20:00	2026-05-27 21:55:00	Power shut down for site activities
Path 1	2026-06-18 13:50:00	2026-06-18 16:20:00	On site maintenance
Path 2	2026-04-08 02:55:00	2026-04-08 03:55:00	Open-path performance checks
Path 2	2026-04-24 00:35:00	2026-04-24 03:00:00	Remote system checks
Path 2	2026-04-29 14:15:00	2026-04-29 19:45:00	On site maintenance
Path 2	2026-05-12 12:25:00	2026-05-13 12:35:00	Power shut down for site activities
Path 2	2026-05-15 12:10:00	2026-05-15 14:25:00	On site maintenance
Path 2	2026-06-06 00:00:00	2026-06-07 00:55:00	Software update
Path 2	2026-06-10 15:35:00	2026-06-10 16:45:00	On site maintenance
Path 2	2026-06-18 12:55:00	2026-06-18 15:50:00	On site maintenance
Path 3	2026-04-10 18:55:00	2026-04-12 23:20:00	Software failure
Path 3	2026-04-22 15:10:00	2026-04-22 16:25:00	Remote system checks
Path 3	2026-04-23 07:25:00	2026-04-23 08:40:00	Remote system checks
Path 3	2026-04-23 22:50:00	2026-04-23 23:55:00	Remote system checks
Path 3	2026-05-14 06:50:00	2026-05-14 08:40:00	Power shut down for site activities
Path 3	2026-05-18 15:05:00	2026-05-18 16:15:00	System realignment
Path 3	2026-05-25 07:05:00	2026-05-25 09:00:00	Remote system checks
Site B	2026-04-08 10:50:00	2026-04-08 12:50:00	Point monitor performance checks
Site B	2026-04-27 09:05:00	2026-04-27 10:45:00	Point monitor performance checks
Site B	2026-05-12 08:50:00	2026-05-12 10:35:00	Point monitor performance checks
Site B	2026-05-26 09:20:00	2026-05-27 10:55:00	Power shut down for site activities
Site B	2026-06-29 14:30:00	2026-06-29 16:35:00	Point monitor performance checks
Site H	2026-04-08 10:30:00	2026-04-08 11:40:00	Point monitor performance checks
Site H	2026-04-27 9:15:00	2026-04-27 10:15:00	Point monitor performance checks
Site H	2026-05-12 09:05:00	2026-05-12 10:10:00	Point monitor performance checks
Site H	2026-05-26 09:20:00	2026-05-27 08:20:00	Power shut down for site activities
Site H	2026-06-10 12:55:00	2026-06-10 14:00:00	On site maintenance
Site H	2026-06-30 13:25:00	2026-06-30 14:25:00	Point monitor performance checks

Appendix C - Quarterly and Monthly Statistics

Quarterly and monthly statistics for 5-minute data at each monitoring path and site are listed in Table C-1 and Table C-2. Table C-1 summarizes the quarterly and monthly statistics for compounds measured and Table C-2 summarizes it for the MET. The quarterly and monthly statistics are calculated using the valid 5-minute data points only.

Table C-1: Quarterly and Monthly Statistics for Compounds for Quarter 2

Path/Site	Compound	Period	Mean (ppb)	Standard Deviation (ppb)	Minimum (ppb)	Maximum (ppb)
Path 1	Benzene	All Q2	0.45	0.00	0.45	0.45
Path 1	Benzene	April	0.45	0.00	0.45	0.45
Path 1	Benzene	May	0.45	0.00	0.45	0.45
Path 1	Benzene	June	0.45	0.00	0.45	0.45
Path 1	Toluene	All Q2	1.40	0.00	1.40	1.40
Path 1	Toluene	April	1.40	0.00	1.40	1.40
Path 1	Toluene	May	1.40	0.00	1.40	1.40
Path 1	Toluene	June	1.40	0.00	1.40	1.40
Path 1	Ethylbenzene	All Q2	6.00	0.00	6.00	6.00
Path 1	Ethylbenzene	April	6.00	0.00	6.00	6.00
Path 1	Ethylbenzene	May	6.00	0.00	6.00	6.00
Path 1	Ethylbenzene	June	6.00	0.00	6.00	6.00
Path 1	Total Xylenes	All Q2	0.80	0.00	0.80	0.80
Path 1	Total Xylenes	April	0.80	0.00	0.80	0.80
Path 1	Total Xylenes	May	0.80	0.00	0.80	0.80
Path 1	Total Xylenes	June	0.80	0.00	0.80	0.80
Path 1	SO ₂	All Q2	1.12	4.99	1.05	683.41
Path 1	SO ₂	April	1.26	8.63	1.05	683.41
Path 1	SO ₂	May	1.06	0.36	1.05	26.24
Path 1	SO ₂	June	1.05	0.00	1.05	1.05
Path 1	NO ₂	All Q2	1.73	3.61	0.00	24.56
Path 1	NO ₂	April	0.91	3.39	0.00	24.56
Path 1	NO ₂	May	5.36	2.23	1.00	9.61
Path 1	NO ₂	June	5.13	1.88	1.03	9.60
Path 1	Naphthalene	All Q2	0.50	0.00	0.50	0.50
Path 1	Naphthalene	April	0.50	0.00	0.50	0.50
Path 1	Naphthalene	May	0.50	0.00	0.50	0.50
Path 1	Naphthalene	June	0.50	0.00	0.50	0.50
Path 2	Benzene	All Q2	0.45	0.00	0.45	0.45
Path 2	Benzene	April	0.45	0.00	0.45	0.45
Path 2	Benzene	May	0.45	0.00	0.45	0.45
Path 2	Benzene	June	0.45	0.00	0.45	0.45
Path 2	Toluene	All Q2	1.40	0.00	1.40	1.40
Path 2	Toluene	April	1.40	0.00	1.40	1.40

Path/Site	Compound	Period	Mean (ppb)	Standard Deviation (ppb)	Minimum (ppb)	Maximum (ppb)
Path 2	Toluene	May	1.40	0.00	1.40	1.40
Path 2	Toluene	June	1.40	0.00	1.40	1.40
Path 2	Ethylbenzene	All Q2	6.00	0.00	6.00	6.00
Path 2	Ethylbenzene	April	6.00	0.00	6.00	6.00
Path 2	Ethylbenzene	May	6.00	0.00	6.00	6.00
Path 2	Ethylbenzene	June	6.00	0.00	6.00	6.00
Path 2	Total Xylenes	All Q2	0.80	0.00	0.80	0.80
Path 2	Total Xylenes	April	0.80	0.00	0.80	0.80
Path 2	Total Xylenes	May	0.80	0.00	0.80	0.80
Path 2	Total Xylenes	June	0.80	0.00	0.80	0.80
Path 2	SO ₂	All Q2	1.40	4.44	1.05	203.04
Path 2	SO ₂	April	1.42	5.52	1.05	203.04
Path 2	SO ₂	May	1.41	3.42	1.05	84.61
Path 2	SO ₂	June	1.38	4.09	1.05	78.52
Path 2	NO ₂	All Q2	0.89	1.57	0.00	13.90
Path 2	NO ₂	April	0.44	1.29	0.00	9.17
Path 2	NO ₂	May	2.43	1.62	0.85	13.90
Path 2	NO ₂	June	2.43	1.11	0.91	5.28
Path 2	Naphthalene	All Q2	0.50	0.00	0.50	0.50
Path 2	Naphthalene	April	0.50	0.00	0.50	0.50
Path 2	Naphthalene	May	0.50	0.00	0.50	0.50
Path 2	Naphthalene	June	0.50	0.00	0.50	0.50
Path 3	Benzene	All Q2	0.45	0.00	0.45	0.45
Path 3	Benzene	April	0.45	0.00	0.45	0.45
Path 3	Benzene	May	0.45	0.00	0.45	0.45
Path 3	Benzene	June	0.45	0.00	0.45	0.45
Path 3	Toluene	All Q2	1.40	0.00	1.40	1.40
Path 3	Toluene	April	1.40	0.00	1.40	1.40
Path 3	Toluene	May	1.40	0.00	1.40	1.40
Path 3	Toluene	June	1.40	0.00	1.40	1.40
Path 3	Ethylbenzene	All Q2	6.00	0.00	6.00	6.00
Path 3	Ethylbenzene	April	6.00	0.00	6.00	6.00
Path 3	Ethylbenzene	May	6.00	0.00	6.00	6.00
Path 3	Ethylbenzene	June	6.00	0.00	6.00	6.00
Path 3	Total Xylenes	All Q2	0.80	0.00	0.80	0.80
Path 3	Total Xylenes	April	0.80	0.00	0.80	0.80
Path 3	Total Xylenes	May	0.80	0.00	0.80	0.80
Path 3	Total Xylenes	June	0.80	0.00	0.80	0.80
Path 3	SO ₂	All Q2	1.07	1.20	1.05	113.19
Path 3	SO ₂	April	1.12	2.13	1.05	113.19
Path 3	SO ₂	May	1.05	0.00	1.05	1.05
Path 3	SO ₂	June	1.05	0.03	1.05	3.04
Path 3	NO ₂	All Q2	0.93	1.80	0.00	12.37
Path 3	NO ₂	April	0.35	1.29	0.00	12.37
Path 3	NO ₂	May	3.10	1.75	0.35	8.44

Path/Site	Compound	Period	Mean (ppb)	Standard Deviation (ppb)	Minimum (ppb)	Maximum (ppb)
Path 3	NO ₂	June	3.32	1.63	0.44	7.59
Path 3	Naphthalene	All Q2	0.50	0.00	0.50	0.50
Path 3	Naphthalene	April	0.50	0.00	0.50	0.50
Path 3	Naphthalene	May	0.50	0.00	0.50	0.50
Path 3	Naphthalene	June	0.50	0.00	0.50	0.50
Site B	H ₂ S	All Q2	0.55	0.39	0.00	4.36
Site B	H ₂ S	April	0.36	0.45	0.00	4.36
Site B	H ₂ S	May	0.62	0.29	0.00	3.53
Site B	H ₂ S	June	0.67	0.34	0.00	3.61
Site H	H ₂ S	All Q2	1.62	1.39	0.00	19.79
Site H	H ₂ S	April	1.46	1.68	0.00	19.79
Site H	H ₂ S	May	1.67	1.34	0.35	14.74
Site H	H ₂ S	June	1.73	1.06	0.10	10.41

Table C-2: Quarterly and Monthly Statistics for the MET for Quarter 2

Site	Parameter	Period	Mean	Standard Deviation	Minimum	Maximum
Site G	Wind Speed (mph)	All Q2	2.22	1.14	0.01	8.12
Site G	Wind Speed (mph)	April	2.13	1.10	0.01	6.83
Site G	Wind Speed (mph)	May	2.30	1.19	0.01	8.12
Site G	Wind Speed (mph)	June	2.23	1.11	0.03	6.40
Site G	Wind Direction (degrees)	All Q2	316.62	66.38	0.01	359.98
Site G	Wind Direction (degrees)	April	324.23	76.01	0.04	359.87
Site G	Wind Direction (degrees)	May	317.46	68.46	0.04	359.98
Site G	Wind Direction (degrees)	June	310.99	54.47	0.01	359.95
Site G	Temperature (°F)	All Q2	23.08	6.65	9.30	39.43
Site G	Temperature (°F)	April	18.52	5.17	9.30	31.42
Site G	Temperature (°F)	May	22.89	5.82	11.32	38.03
Site G	Temperature (°F)	June	27.83	5.39	16.70	39.43
Site G	Humidity (%)	All Q2	42.26	16.27	10.20	88.24
Site G	Humidity (%)	April	49.34	17.40	10.62	88.24
Site G	Humidity (%)	May	42.31	15.65	12.07	82.94
Site G	Humidity (%)	June	35.11	12.06	10.20	71.53

Appendix D - Instrument Performance Checks

Tables D-1 and D-2 summarize the bump checks performed on the open-path UV DOAS analyzers and the span checks on point monitoring systems during quarter 2, 2026.

Table D-1: Summary of the Open-path UV DOAS Bump Checks Performed during Quarter 2

Path	Compound	Date	Accuracy (%)	Precision (%)	Pass / Fail
Path 1	Benzene	4/8/2026	7.18	5.17	Pass
Path 2	Benzene	4/8/2026	2.20	6.03	Pass
Path 3	Benzene	4/8/2026	10.07	4.76	Pass
Path 1	Benzene	5/15/2026	1.97	8.08	Pass
Path 2	Benzene	5/15/2026	4.23	2.10	Pass
Path 3	Benzene	5/15/2026	0.86	0.61	Pass
Path 1	Benzene	6/13/2026	1.23	2.15	Pass
Path 1	SO ₂	6/13/2026	3.98	5.16	Pass
Path 2	Benzene	6/18/2026	0.32	4.30	Pass
Path 2	SO ₂	6/18/2026	4.27	3.23	Pass
Path 3	Benzene	6/10/2026	8.36	8.28	Pass
Path 3	SO ₂	6/18/2026	5.19	14.05	Pass

Table D-2: Summary of the Point Monitor Span Checks Performed during Quarter 2

Site	Compound	Date	Accuracy (%)	Pass / Fail
Site B	H ₂ S	4/8/2026	2.20	Pass
Site H	H ₂ S	4/8/2026	8.30	Pass
Site B	H ₂ S	4/27/2026	14.2	Pass
Site H	H ₂ S	4/27/2026	14.0	Pass
Site B	H ₂ S	5/12/2026	7.50	Pass
Site H	H ₂ S	5/12/2026	8.00	Pass
Site B	H ₂ S	6/29/2026	5.10	Pass
Site H	H ₂ S	6/30/2026	6.50	Pass