

Appendix E

COPC Perimeter Assessment Plan Methodology

For additional help with the information provided in Appendix E, please contact Erin Somers, Arcadis Report Lead, at 905-807-6126.

Pacific Gas and Electric Company

Appendix E—COPC Perimeter Assessment Plan Methodology

**Fourth Quarter 2025 Quarterly Progress Report
Topock Compressor Station
Needles, California**

Contents

Acronyms and Abbreviations.....	iv
1 Introduction.....	1-1
2 Overview of Statistical Approach.....	2-1
3 Groundwater Analytical Dataset.....	3-1
4 Exploratory Data Analysis.....	4-1
4.1 Determination of Normality.....	4-1
4.2 Descriptive Statistics.....	4-1
4.3 Graphical Representations.....	4-2
5 Additional Statistical Testing.....	5-1
5.1 Trend Evaluation.....	5-1
5.2 Wilcoxon–Mann Whitney Evaluation.....	5-2
6 Statistical Calculation of Shewhart Control Limits.....	6-1
7 Final C O P C Trigger Levels.....	7-1
8 References.....	8-1

Tables

Table E-1	Well–Constituent Pair Sampling Frequencies and Well Designations
Table E-2	Groundwater Analytical Dataset
Table E-3	Alternate Reporting Limits Used in Sanitas
Table E-4	Statistical Summary of Trend Evaluation
Table E-5	Wilcoxon–Mann Whitney Results
Table E-6	Shewhart Control Limits

Figures

Figure E-1	COPC Monitoring Network
Figure E-2	COPC Perimeter Assessment Plan

Attachments

Attachment E-1	Concentration Time-Series Charts
Attachment E-2	Box and Whisker Plots
Attachment E-3	Sanitas Outputs

Acronyms and Abbreviations

µg/L	microgram per liter
ARAR	Applicable or Relevant and Appropriate Requirement
BOD SMP	Sampling and Monitoring Plan of the Basis of Design Report/Final (100%) Design Submittal for the Final Groundwater Remedy
CH2M Hill	CH2M Hill, Inc.
COPC	constituent of potential concern
Cr6	hexavalent chromium
Final BOD	Basis of Design Report/Final (100%) Design Submittal for the Final Groundwater Remedy
IRZ	In Situ Reactive Zone
mg/L	milligram per liter
NTH	National Trails Highway
O&M	operation and maintenance
PAP	Perimeter Assessment Plan
PG&E	Pacific Gas and Electric Company
SCL	Shewhart control limit
Site	Pacific Gas and Electric Company Topock Compressor Station, located in eastern San Bernardino County, 15 miles southeast of the City of Needles, California
Statistical Guidance	Statistical Guidance of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance
USEPA	United States Environmental Protection Agency
WMW	Wilcoxon–Mann Whitney

1 Introduction

Pacific Gas and Electric Company (PG&E) is implementing a final groundwater remedy to address hexavalent chromium (Cr6) in groundwater near the PG&E Topock Compressor Station, located in eastern San Bernardino County, 15 miles southeast of the City of Needles, California (the Site). In November 2015, PG&E submitted the Basis of Design Report/Final (100%) Design Submittal for the Final Groundwater Remedy (Final BOD), which presents the final design basis, design criteria, drawings, specifications, and operation and maintenance (O&M) requirements for the groundwater remedy (CH2M Hill, Inc. [CH2M Hill] 2015). Site-wide monitoring is being performed in accordance with the Sampling and Monitoring Plan of the Final BOD (BOD SMP) provided in the O&M Manual (Appendix L of the Final BOD; CH2M Hill 2015) to evaluate the performance of the groundwater remedy with respect to attaining the remedial action objectives and complying with Applicable or Relevant and Appropriate Requirements (ARARs).

Part of the site-wide monitoring program includes constituent of potential concern (COPC) monitoring, which consists of surface water and groundwater sampling to monitor COPC concentrations (dissolved molybdenum, dissolved selenium, and nitrate) during the remedial action. The COPC monitoring program also includes a COPC Perimeter Assessment Plan (PAP; Appendix L of the Final BOD [CH2M Hill 2015]) developed to provide threshold concentrations (i.e., trigger levels) and a decision tree for COPC monitoring. The COPC PAP is designed to monitor the edges of the Cr6 plume and the elevated COPC areas outside the Cr6 plume to provide assurance that elevated concentrations of COPCs are being contained within the area of active remediation. Thirty-one monitoring wells are included in the COPC PAP, as shown on Figure E-1. Because COPCs will be moved by the pumping and injection necessary to push the Cr6 plume through the In Situ Reactive Zone (IRZ), COPC concentrations in wells within the Cr6 plume are expected to change during the remedial action; therefore, it is not practical or useful to establish numerical COPC trigger levels for wells in the interior of the Cr6 plume.

This appendix describes the methodology used to calculate the COPC trigger levels. If COPC concentrations in the COPC PAP (Appendix L of the Final BOD; CH2M Hill 2015) monitoring wells exceed the trigger levels, then a series of notifications and actions is required, as outlined in the COPC PAP decision tree provided on Figure E-2. In accordance with the BOD SMP (Appendix L of the Final BOD; CH2M Hill 2015), the COPC trigger levels will be reevaluated/updated annually, and the updated trigger levels will be applied to data collected during the next calendar year.

2 Overview of Statistical Approach

The statistical approach used in this appendix is based on the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance (Statistical Guidance; United States Environmental Protection Agency [USEPA] 2009). The use of Shewhart control limits (SCLs) is one of the recommended core strategies for detection monitoring. For each COPC PAP monitoring well, SCLs were calculated for dissolved molybdenum, dissolved selenium, and nitrate as nitrogen for use as COPC trigger levels.

The Statistical Guidance (USEPA 2019) recommends the following steps for establishing SCLs for groundwater:

- Perform an exploratory data analysis, which includes determination of normality, calculation of descriptive statistics, and creation of graphical representations (Section 4);
- Determine if a new SCL should be calculated (Section 5); and
- Calculate SCLs (Section 6).

3 Groundwater Analytical Dataset

The groundwater analytical dataset used in this appendix consists of dissolved molybdenum, dissolved selenium, and nitrate as nitrogen¹ analytical results for samples collected from the 31 COPC PAP (Appendix L of the Final B OD; CH2M Hill 2015) monitoring wells.

The number of samples used to calculate the COPC trigger levels varied by well–constituent pair due to variations in sampling frequency (Table E-1). For well–constituent pairs sampled on an annual basis, the eight most recent groundwater samples were considered in calculating the COPC trigger level. If eight groundwater samples were not available for a well–constituent pair, then a COPC trigger level was not calculated. A trigger level will be calculated once a sufficient number of samples has been collected. For well–constituent pairs sampled on a monthly or quarterly basis, the 12 most recent groundwater samples were considered in calculating the COPC trigger levels. Sample results from 2025 that exceeded the 2025 COPC trigger levels were excluded from the statistical evaluation.

Table E-2 presents the groundwater analytical dataset used in this appendix.

¹ Nitrate as nitrogen and nitrate/nitrite as nitrogen data have historically been collected from the COPC PAP monitoring wells. If eight nitrate analytical results were not available to calculate a nitrate trigger level, then nitrate/nitrite analytical results were used to calculate a nitrate/nitrite trigger level, which will be used as the interim trigger level until sufficient nitrate results are collected.

4 Exploratory Data Analysis

The first step in the calculation of SCLs is to complete exploratory data analysis, which includes the determination of normality, calculation of descriptive statistics, and creation of graphical representations. This section describes how the exploratory data analysis was completed and presents the associated statistics for each step of the analysis.

4.1 Determination of Normality

Many of the tests described in this appendix are predicated on the normality of the dataset; therefore, when necessary, datasets were tested to demonstrate normality. The Shapiro-Wilk Test for Normality was used for the datasets with a sample size of less than 50 (USEPA 2009; Shapiro and Wilk 1965). The test was run at the 5 percent critical level.

If a dataset did not pass a test of normality, data were transformed following the ladder of powers. The ladder of powers is a sequence of transformations: square root, square, cube root, cube, logarithmic transformation, x^4 , x^5 , and x^6 (Helsel and Hirsch 2002; Box and Cox 1964). All points in the untransformed dataset were changed by one of these operations, and the new dataset was tested to determine if the transformed data met the criterion of normality. If the test failed, the original data were transformed using the next transformation in the ladder. Transformations were attempted in the order of the ladder of powers until normality was achieved or until all of the options were exhausted. In the latter case, non-parametric tests were necessary.

4.2 Descriptive Statistics

Descriptive statistics quantitatively describe the main features of a dataset. The development of descriptive statistics followed the Data Quality Assessment: Statistical Methods for Practitioners (USEPA 2006). The following commonly calculated descriptive statistics were performed on the complete dataset (as described in Section 3):

- *Number of detects, number of non-detects, and frequency of detection.* These statistics describe the sample size, number of detects and non-detects, and frequency of uncensored (i.e., detect) data.
- *Minimum, maximum, and standard deviation.* These statistics are measures of dispersion and characterize the distribution of the data. The minimum and maximum show the range of the data, and the standard deviation shows the spread of the data. A low standard deviation indicates that the observations are close to the mean, and a high standard deviation indicates that the observations are spread out over a larger range.
- *Mean and median.* These statistics are measures of central tendency and characterize the center of a dataset. The mean represents the arithmetic average, and the median represents the middle of the ordered dataset.

Data qualified as estimated (i.e., J flagged) were included as detected values. Descriptive statistics were calculated in ProUCL using the following treatment of non-detects for calculation of the mean and standard deviation values:

- If the dataset contained fewer than 100 percent detections, but more than 85 percent detections, the values were calculated using the reporting limit for non-detects.

- If the dataset contained fewer than or equal to 85 percent detections, but more than 50 percent detections, the values were calculated using the Kaplan-Meier substitution method for non-detects.
- If the dataset contained fewer than or equal to 50 percent detections, then the mean and standard deviation were not calculated.

Additionally, if a transformation was required to normalize the dataset, then the mean and standard deviation were based on transformed data.

4.3 Graphical Representations

Graphical representations visually communicate the features of a dataset. Concentration time-series charts and box and whisker plots were created for each well–constituent pair in the groundwater analytical dataset.

Concentration time-series charts show constituent concentrations through time. They are useful for identifying inconsistent observations. Concentration time-series charts were created using Microsoft Excel. Attachment E-1 provides concentration time-series charts for each well–constituent pair in the groundwater analytical dataset.

Box and whisker plots present an overall picture of the distribution of a dataset by displaying several percentiles (10th, 25th, 50th, 75th, and 90th). They provide insight into the location, shape, and spread of the data. Data are commonly plotted together in side-by-side box and whisker plots to determine if concentrations are comparable across multiple datasets. Additionally, potential elevated or extreme values (i.e., outliers) are identified on box and whisker plots as either one and a half or three times the interquartile range (defined as the third quartile [75th percentile] minus the first quartile [25th percentile]; USEPA 2006, 2015), respectively, from either end of the box. Box and whisker plots were created using R studio. Attachment E-2 presents side-by-side box and whisker plots for each well–constituent pair in the groundwater analytical dataset.

5 Additional Statistical Testing

Additional statistical testing (i.e., the Mann–Kendall test/Sen’s Slope Estimator, or the Wilcoxon–Mann Whitney [WMW] test) were performed on each well–analyte pair dataset to determine if a new COPC trigger level should be calculated. All calculations were performed using a commercially available statistics package, Sanitas (version 10.1.03), distributed by Sanitas Technologies.

This section describes how the trend (Mann–Kendall/Sen’s Slope Estimator) and WMW evaluations were completed and presents the associated statistics for each evaluation.

5.1 Trend Evaluation

Well–constituent pairs sampled on an annual basis were evaluated using the Mann–Kendall test for trends and Sen’s Slope Estimator. Both methods are described in the Statistical Guidance (USEPA 2009). The eight most recent sample results were used for the evaluation.

The Mann–Kendall trend test is a non-parametric test for linear trends based on the concept that a series of data points without a trend should fluctuate randomly around a constant mean. If an increasing trend were to exist, one would expect an earlier point to have a lower value than a later point. The converse would be true if a decreasing trend were present. A Mann–Kendall statistic S is computed by comparing each pair of data points in a dataset and assigning a value of +1 or –1 if the earlier data point is less than the later data point or greater than the later data point, respectively. If the two data points are equal, the pair is assigned a zero value. The values assigned to the pairs are summed. If the total is positive, it implies that the majority of the differences between points are positive, indicating a positive trend. Likewise, a negative sum indicates a decreasing trend. A value at or near zero indicates that the differences are roughly equal, implying that there is no trend. A critical value of S is determined based on the number of points in the dataset and the level of significance (α) of the test. If the Mann–Kendall statistic S exceeds the critical S , then an upward trend is statistically significant. Conversely, if the Mann–Kendall S is negative and its absolute value is greater than the critical S , then there is a statistically significant downward trend. These tests were run in two-tailed mode with a significance (α) equal to 0.05 on each tail. The test is non-parametric, because there is no requirement that the data follow any specific underlying distribution. This is important in datasets with a large proportion of non-detects. Results less than the method detection limit were replaced by a common value less than the minimum detected value as summarized in Table E-3. The Mann–Kendall test for trends was performed if at least four sample results were present in a dataset and greater than 20 percent of the sample results were detected at concentrations greater than the laboratory method detection limit.

Sen’s Slope Estimator is also a non-parametric test and handles non-detects. It is a good complement to the Mann–Kendall test because the Mann–Kendall test looks at changes in value but does not account for the magnitude of the values. In contrast, Sen’s Slope Estimator accounts for actual slopes. Sen’s Slope Estimator was performed at 90 percent confidence ($\alpha = 0.10$) using Sanitas software. Although Sen’s Slope Estimator is somewhat more robust than the Mann–Kendall test, it is recommended that there be eight or more data points. It is recommended in the Statistical Guidance (USEPA 2019) that there be no more than 50 percent non-detects in a dataset evaluated by Sen’s Slope Estimator. Due to the lower detection frequencies in some datasets, Sen’s Slope Estimator could not always be run.

Results of the trend evaluation are provided in Table E-4. Sanitas software outputs are provided in Attachment E-3. For monitoring wells located downgradient of the National Trails Highway (NTH) IRZ (i.e., monitoring wells potentially impacted by Phase 1 groundwater remedy operation), the trend evaluation results were used to determine if an updated SCL should be calculated. If a trend was present for a well–constituent pair, then the SCL was not recalculated, and the previous year’s COPC trigger level was applied². If no trend was present, then the eight most recent sample results were used to recalculate the SCL (Section 6). For monitoring wells located upgradient of the NTH IRZ (i.e., monitoring wells unimpacted by Phase 1 groundwater remedy operation), the eight most recent sample results were used to recalculate the SCL regardless of the trend results.

5.2 Wilcoxon–Mann Whitney Evaluation

Well–constituent pairs sampled on a monthly or quarterly basis were evaluated using the WMW test as described in the Statistical Guidance (USEPA 2009). The datasets were evaluated by comparing the 12 (for monthly datasets) or four (for quarterly datasets) most recent groundwater samples to the 12 previously collected samples to determine if there was a statistically significant difference between the new and older data.

A two-sided hypothesis test was used to evaluate the following hypothesis in accordance with Statistical Guidance (USEPA 2009) and USEPA Data Quality Assessment: Statistical Methods for Practitioners (USEPA 2006):

- Null hypothesis (H_0): The mean/median of the compliance (newest) data equals the mean/median of the background (previous) data.
- Alternative hypothesis (H_A): The mean/median of the compliance (newest) data does not equal the mean/median of the background (previous) data.

The test was performed with a significance (α) of 0.01.

For each well–constituent pair, if the data exhibited a statistically significant difference between the newest data points and 12 previously collected data points, then the SCL was not recalculated, and the previous year’s COPC trigger level was applied. If the data did not exhibit a statistically significant difference, then the SCL was recalculated using the following data points:

- For monthly datasets: the 12 newest data points replaced the 12 previous data points.
- For quarterly datasets: the four newest data points replaced the four oldest data points of the 12 previous data points.

Results of the WMW test are provided in Table E-5. Sanitas software outputs are provided in Attachment E-3.

² At monitoring well MW-23-080, nitrate as nitrogen results from 2009 through 2025 exhibited a statistically significant decreasing trend, with reduced concentrations observed after start-up of the Phase 1 remedy in December 2021. Because a SCL was not previously calculated for nitrate as nitrogen or nitrate/nitrite as nitrogen, the dataset was adjusted to combine pre-remedy nitrate and nitrate/nitrite results (from 2009 through 2021) to calculate a SCL.

6 Statistical Calculation of Shewhart Control Limits

Following the exploratory data analysis and additional statistical testing, SCLs were calculated for use as the 2026 COPC trigger levels. As described in Section 5, an updated SCL was not calculated for a well–constituent pair if any of the following criteria applied:

- For monitoring wells located downgradient of the NTH IRZ, the Mann-Kendall trend test exhibited a statistically significant trend (for constituents analyzed annually);
- The WMW test (for constituents analyzed quarterly) indicated a statistically significant difference between the four newest data points and 12 previously collected data points; or
- The WMW test (for constituents analyzed monthly) indicated a statistically significant difference between the 12 newest data points and 12 previously collected data points.

For datasets with fewer than 15 percent non-detects, the reporting limit was used to represent non-detects. For datasets with greater than or equal to 15 percent non-detects, the Kaplan–Meier method for non-detects was used. If a dataset had more than 50 percent non-detects, a non-parametric method was used. For highly censored datasets, the highest detected value was used as the non-parametric SCL. For totally censored datasets (datasets composed exclusively of non-detects), the Double Quantification rule was applied. The Double Quantification rule (USEPA 2009) states that:

“A confirmed exceedance is registered if any well-constituent pair in the ‘100% non-detect’ group exhibits quantified measurements (i.e., at or greater than the reporting limit) in two consecutive sample and resample events.”

Before calculating SCLs, the dataset was checked for normality (Section 4.1) to determine which SCL was appropriate to represent the dataset. If the data were found to not be normally distributed, then a transformation was applied using the ladder of powers. The resulting SCL was back-transformed using the inverse of the applied transformation.

The SCLs for datasets with normal distributions or data normalized by a transformation were calculated using the following equation:

$$SCL = \bar{x} + \text{standardized control limit} \times s$$

where \bar{x} is the mean, s is the standard deviation, and the standardized control limit is equal to 5 (USEPA 2009).

Well–constituent pairs with datasets that were not normally distributed and could not be normalized were represented by a non-parametric SCL equal to the maximum detected value.

All calculations were made using the Sanitas software. The SCLs for each well–constituent pair are presented in Table E-6.

7 Final COPC Trigger Levels

In accordance with the BOD SMP (Appendix L of the Final BOD; CH2M Hill 2015), COPC trigger levels were selected using the following logic:

- If the baseline concentration (defined based on the median of the available data) is less than the ARAR, and the SCL is higher than the ARAR, then the ARAR is used as the trigger level. This approach provides a conservative means of establishing a trigger level that will bring attention to rising COPC concentrations before the ARAR concentration is reached. The ARARs for selenium and nitrate³ are 50 micrograms per liter (µg/L) and 10 milligrams per liter (mg/L), respectively. There is no ARAR for molybdenum.
- If the criteria described above are not met, then the SCL is used as the trigger level.

For all COPC monitoring wells presented in Table E-6, the baseline selenium and nitrate (or nitrate/nitrite) concentrations are less than the ARARs, and the SCLs are less than the ARARs except for the selenium SCL for monitoring well MW-40S (80 µg/L), the nitrate SCLs for monitoring wells MW-14 (12 mg/L) and MW-71-035 (27 mg/L), and the nitrate/nitrite SCL for monitoring well MW-95-157 (15 mg/L). Therefore, the selenium and nitrate (or nitrate/nitrite) SCLs are used as the trigger levels for all monitoring wells except MW-40S (selenium), which will use the selenium ARAR of 50 µg/L, and MW-14 (nitrate), MW-71-035 (nitrate), and MW-95-157 (nitrate/nitrite), which will use the nitrate ARAR of 10 mg/L as the trigger level. Because molybdenum does not have an ARAR, the molybdenum SCLs are used as the trigger levels.

³ For monitoring wells that have an interim nitrate/nitrite trigger level, the nitrate ARAR of 10 mg/L was applied to evaluate nitrate/nitrite SCLs.

8 References

- Box, G.E.P., and D.R. Cox. 1964. An analysis of transformations (with discussion). *Journal of Royal Statistical Society: Series B*. 26(2):211–252.
- CH2M Hill. 2015. Basis of Design Report/Final (100%) Design Submittal for the Final Groundwater Remedy, PG&E Topock Compressor Station, Needles, California. November
- Helsel, D.R., and R.M. Hirsch. 2002. *Statistical Methods in Water Resources*. Superseded by U.S. Geological Survey Techniques of Water-Resources Investigations, Book 4, Chap. A3. Available online at: <http://water.usgs.gov/pubs/twri/twri4a3/>.
- Shapiro, S.S., and M.B. Wilk. 1965. An Analysis of Variance Test for Normality (Complete Samples). *Biometrika*. 52(3/4):591–611.
- USEPA. 2006. Data Quality Assessment: Statistical Methods for Practitioners. United States Environmental Protection Agency Office of Information, Washington, D.C. EPA/240/B-06/003. February. Available online at: <https://www.epa.gov/sites/default/files/2015-08/documents/g9s-final.pdf>.
- USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. United States Environmental Protection Agency Office of Resource Conservation and Recovery. EPA 530/R-09-007. March.
- USEPA. 2015. ProUCL Version 5.1 Technical Guide. EPA/600/R-07/041. October. Available online at: https://www.epa.gov/sites/production/files/2016-05/documents/proucl_5.1_tech-guide.pdf

Tables

Table E-1
Well–Constituent Pair Sampling Frequencies and Well Designation
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Dissolved Molybdenum	Dissolved Selenium	Nitrate as Nitrogen)	Nitrate/Nitrite as Nitrogen	Location
MW-14	A	A	A	--	Upgradient
MW-22	A	A	Q	--	Downgradient
MW-23-060	A	A	A	--	Downgradient
MW-23-080	A	A	A	--	Downgradient
MW-27-060	A	A	Q	--	Downgradient
MW-27-085	A	A	Q	--	Downgradient
MW-32-035	A	A	Q	--	Downgradient
MW-33-040	A	A	A	--	Downgradient
MW-33-090	A	A	A	--	Downgradient
MW-33-150	A	A	A	--	Downgradient
MW-34-055	A	A	Q	--	Downgradient
MW-34-100	A	A	M ^a	--	Downgradient
MW-35-060	A	A	A	--	Downgradient
MW-35-135	A	A	A	--	Downgradient
MW-36-040	A	A	Q	--	Downgradient
MW-36-100	A	A	M ^a	--	Downgradient
MW-37S	A	A	A	--	Upgradient
MW-40D	A	A	A	--	Upgradient
MW-40S	A	A	A	--	Upgradient
MW-41M	A	A	A	--	Upgradient
MW-41S	A	A	A	--	Upgradient
MW-42-030	A	A	Q	--	Downgradient
MW-44-070	A	A	Q	--	Downgradient
MW-44-125	A	A	M ^a	--	Downgradient
MW-46-175	A	A	M ^a	--	Downgradient
MW-71-035	Q	Q	M	--	Downgradient
MW-89-183	A	A	A	A	Upgradient
MW-89-273	A	A	A	A	Upgradient
MW-90-031	A	A	Q	--	Downgradient
MW-95-113	A	A	A	A	Upgradient
MW-95-157	A	A	A	A	Upgradient

Note:

^a Monitoring wells MW-34-100, MW-36-100, MW-44-125, and MW-46-175 were sampled for nitrate as nitrogen monthly through May 2025. The sampling frequency was reduced to quarterly thereafter. For this evaluation, the nitrate sampling frequency is treated as monthly.

Acronyms and Abbreviations:

-- = not applicable

A = annual

COPC = constituent of potential concern

Downgradient = monitoring well located downgradient of the National Trails Highway In Situ Reactive Zone

M = monthly

Q = quarterly

Upgradient = monitoring well located upgradient of the National Trails Highway In Situ Reactive Zone

Table E-3
Alternate Reporting Limits Used in Sanitas
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Constituent	Units	Minimum Detection	Minimum RL	Half Minimum RL	Half Minimum Detection	Selected Alternate RL
Molybdenum, dissolved	µg/L	2.4	n.a.	n.a.	n.a.	n.a.
Nitrate as nitrogen	mg/L	0.28	0.050	0.025	0.14	0.025
Nitrate/nitrite as nitrogen	mg/L	0.0257	0.010	0.0050	0.01285	0.0050
Selenium, dissolved	µg/L	0.51	0.50	0.25	0.255	0.25

Note:

1. The selected alternate RL used in statistical calculations was chosen as follows: If half the minimum RL was less than the minimum detected result, then one half of the minimum RL was used. Otherwise, half of the minimum detected concentration was used.

Acronyms and Abbreviations:

µg/L = microgram per liter

COPC = constituent of potential concern

mg/L = milligram per liter

n.a. = not applicable; all results for analyzed datasets were detections

RL = reporting limit

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
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Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-14	6/24/2020	Molybdenum, dissolved	10	Detect	µg/L	No
MW-14	12/10/2020	Molybdenum, dissolved	10	Detect	µg/L	No
MW-14	5/28/2021	Molybdenum, dissolved	12	Detect	µg/L	No
MW-14	12/7/2021	Molybdenum, dissolved	13	Detect	µg/L	No
MW-14	12/2/2022	Molybdenum, dissolved	8.4	Detect	µg/L	No
MW-14	12/1/2023	Molybdenum, dissolved	9.6	Detect	µg/L	No
MW-14	11/21/2024	Molybdenum, dissolved	8.1	Detect	µg/L	No
MW-14	11/25/2025	Molybdenum, dissolved	8.5	Detect	µg/L	No
MW-14	10/3/2008	Nitrate as Nitrogen	6.4	Detect	mg/L	No
MW-14	9/21/2009	Nitrate as Nitrogen	5.8	Detect	mg/L	No
MW-14	12/7/2010	Nitrate as Nitrogen	5.1	Detect	mg/L	No
MW-14	12/9/2011	Nitrate as Nitrogen	4.7	Detect	mg/L	No
MW-14	12/2/2022	Nitrate as Nitrogen	2.7	Detect	mg/L	No
MW-14	12/1/2023	Nitrate as Nitrogen	2.8	Detect	mg/L	No
MW-14	11/21/2024	Nitrate as Nitrogen	2.9	Detect	mg/L	No
MW-14	11/25/2025	Nitrate as Nitrogen	3.2	Detect	mg/L	No
MW-14	6/24/2020	Selenium, dissolved	1.8	Detect	µg/L	No
MW-14	12/10/2020	Selenium, dissolved	2	Detect	µg/L	No
MW-14	5/28/2021	Selenium, dissolved	2	Detect	µg/L	No
MW-14	12/7/2021	Selenium, dissolved	2.1	Detect	µg/L	No
MW-14	12/2/2022	Selenium, dissolved	1.9	Detect	µg/L	No
MW-14	12/1/2023	Selenium, dissolved	1.8	Detect	µg/L	No
MW-14	11/21/2024	Selenium, dissolved	1.8	Detect	µg/L	No
MW-14	11/25/2025	Selenium, dissolved	1.9	Detect	µg/L	No
MW-22	12/11/2019	Molybdenum, dissolved	28	Detect	µg/L	No
MW-22	12/8/2020	Molybdenum, dissolved	32	Detect	µg/L	No
MW-22	11/30/2021	Molybdenum, dissolved	36	Detect	µg/L	No
MW-22	11/16/2022	Molybdenum, dissolved	36	Detect	µg/L	No
MW-22	11/14/2023	Molybdenum, dissolved	59	Detect	µg/L	No
MW-22	2/19/2024	Molybdenum, dissolved	43	Detect	µg/L	No
MW-22	10/30/2024	Molybdenum, dissolved	56	Detect	µg/L	No
MW-22	12/10/2025	Molybdenum, dissolved	54	Detect	µg/L	No
MW-22	3/4/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	5/5/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	8/19/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	11/16/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	2/22/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	5/23/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	8/16/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	11/14/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	2/19/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	4/9/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	8/22/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	10/30/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	2/18/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	5/22/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	8/21/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	12/10/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-22	12/4/2018	Selenium, dissolved	2.5	Non-Detect	µg/L	No
MW-22	12/11/2019	Selenium, dissolved	2.5	Non-Detect	µg/L	No
MW-22	12/8/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-22	11/30/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-22	11/16/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-22	11/14/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-22	10/30/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-22	12/10/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-23-060	12/11/2018	Molybdenum, dissolved	25	Detect	µg/L	No
MW-23-060	12/9/2019	Molybdenum, dissolved	22	Detect	µg/L	No
MW-23-060	12/8/2020	Molybdenum, dissolved	21	Detect	µg/L	No
MW-23-060	12/9/2021	Molybdenum, dissolved	24	Detect	µg/L	No
MW-23-060	11/18/2022	Molybdenum, dissolved	23	Detect	µg/L	No
MW-23-060	11/28/2023	Molybdenum, dissolved	25	Detect	µg/L	No
MW-23-060	11/15/2024	Molybdenum, dissolved	21	Detect	µg/L	No
MW-23-060	12/11/2025	Molybdenum, dissolved	31	Detect	µg/L	No
MW-23-060	7/21/2009	Nitrate as Nitrogen	3.9	Detect	mg/L	No
MW-23-060	9/24/2009	Nitrate as Nitrogen	4.6	Detect	mg/L	No
MW-23-060	12/14/2010	Nitrate as Nitrogen	3.7	Detect	mg/L	No
MW-23-060	12/13/2011	Nitrate as Nitrogen	5	Detect	mg/L	No
MW-23-060	11/18/2022	Nitrate as Nitrogen	5.1	Detect	mg/L	No
MW-23-060	11/28/2023	Nitrate as Nitrogen	4.6	Detect	mg/L	No
MW-23-060	11/15/2024	Nitrate as Nitrogen	4	Detect	mg/L	No
MW-23-060	12/11/2025	Nitrate as Nitrogen	3.6	Detect	mg/L	No
MW-23-060	12/11/2018	Selenium, dissolved	5.9	Detect	µg/L	No
MW-23-060	12/9/2019	Selenium, dissolved	5.1	Detect	µg/L	No
MW-23-060	12/8/2020	Selenium, dissolved	4.8	Detect	µg/L	No
MW-23-060	12/9/2021	Selenium, dissolved	5.3	Detect	µg/L	No
MW-23-060	11/18/2022	Selenium, dissolved	4.7	Detect	µg/L	No
MW-23-060	11/28/2023	Selenium, dissolved	4.7	Detect	µg/L	No
MW-23-060	11/15/2024	Selenium, dissolved	3.6	Detect	µg/L	No
MW-23-060	12/11/2025	Selenium, dissolved	3.2	Detect	µg/L	No
MW-23-080	12/11/2018	Molybdenum, dissolved	46	Detect	µg/L	No
MW-23-080	12/9/2019	Molybdenum, dissolved	47	Detect	µg/L	No
MW-23-080	12/8/2020	Molybdenum, dissolved	45	Detect	µg/L	No
MW-23-080	12/9/2021	Molybdenum, dissolved	46	Detect	µg/L	No
MW-23-080	11/18/2022	Molybdenum, dissolved	48	Detect	µg/L	No
MW-23-080	11/28/2023	Molybdenum, dissolved	50	Detect	µg/L	No
MW-23-080	11/15/2024	Molybdenum, dissolved	34	Detect	µg/L	No
MW-23-080	12/11/2025	Molybdenum, dissolved	57	Detect	µg/L	No
MW-23-080	7/21/2009	Nitrate as Nitrogen	6.3	Detect	mg/L	No
MW-23-080	9/23/2009	Nitrate as Nitrogen	5.7	Detect	mg/L	No
MW-23-080	12/14/2010	Nitrate as Nitrogen	3.9	Detect	mg/L	No
MW-23-080	12/12/2011	Nitrate as Nitrogen	4.9	Detect	mg/L	No
MW-23-080	11/18/2022	Nitrate as Nitrogen	0.95	Detect	mg/L	No
MW-23-080	11/28/2023	Nitrate as Nitrogen	2.3	Detect	mg/L	No
MW-23-080	11/15/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-23-080	12/11/2025	Nitrate as Nitrogen	1.4	Detect	mg/L	No
MW-23-080	11/8/2012	Nitrate/Nitrite as Nitrogen	6.82	Detect	mg/L	No
MW-23-080	11/11/2013	Nitrate/Nitrite as Nitrogen	6.68	Detect	mg/L	No
MW-23-080	12/9/2021	Nitrate/Nitrite as Nitrogen	4.7	Detect	mg/L	No
MW-23-080	11/28/2023	Nitrate/Nitrite as Nitrogen	3.6	Detect	mg/L	No
MW-23-080	11/15/2024	Nitrate/Nitrite as Nitrogen	0.76	Detect	mg/L	No
MW-23-080	12/11/2025	Nitrate/Nitrite as Nitrogen	2.1	Detect	mg/L	No
MW-23-080	12/11/2018	Selenium, dissolved	5.3	Detect	µg/L	No
MW-23-080	12/9/2019	Selenium, dissolved	5.1	Detect	µg/L	No
MW-23-080	12/8/2020	Selenium, dissolved	5	Detect	µg/L	No
MW-23-080	12/9/2021	Selenium, dissolved	4.5	Detect	µg/L	No
MW-23-080	11/18/2022	Selenium, dissolved	5	Detect	µg/L	No
MW-23-080	11/28/2023	Selenium, dissolved	4.3	Detect	µg/L	No
MW-23-080	11/15/2024	Selenium, dissolved	0.69	Detect	µg/L	No
MW-23-080	12/11/2025	Selenium, dissolved	1.7	Detect	µg/L	No
MW-27-060	12/5/2018	Molybdenum, dissolved	4.3	Detect	µg/L	No
MW-27-060	12/10/2019	Molybdenum, dissolved	3.9	Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-27-060	12/3/2020	Molybdenum, dissolved	4.6	Detect	µg/L	No
MW-27-060	12/1/2021	Molybdenum, dissolved	4.7	Detect	µg/L	No
MW-27-060	11/9/2022	Molybdenum, dissolved	4	Detect	µg/L	No
MW-27-060	11/27/2023	Molybdenum, dissolved	4.9	Detect	µg/L	No
MW-27-060	11/15/2024	Molybdenum, dissolved	5.6	Detect	µg/L	No
MW-27-060	11/13/2025	Molybdenum, dissolved	6	Detect	µg/L	No
MW-27-060	3/10/2022	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-27-060	5/5/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	8/23/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	11/9/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	2/22/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	5/24/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	8/23/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	11/27/2023	Nitrate as Nitrogen	0.36	Detect	mg/L	No
MW-27-060	2/19/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	4/29/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	8/20/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	11/15/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	2/24/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	5/5/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	8/26/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	11/13/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-060	12/5/2018	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-060	12/10/2019	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-060	12/3/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-060	12/1/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-060	11/9/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-060	11/27/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-060	11/15/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-060	11/13/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-085	6/18/2020	Molybdenum, dissolved	16	Detect	µg/L	No
MW-27-085	12/3/2020	Molybdenum, dissolved	21	Detect	µg/L	No
MW-27-085	4/27/2021	Molybdenum, dissolved	16	Detect	µg/L	No
MW-27-085	12/1/2021	Molybdenum, dissolved	19	Detect	µg/L	No
MW-27-085	11/9/2022	Molybdenum, dissolved	25	Detect	µg/L	No
MW-27-085	11/27/2023	Molybdenum, dissolved	29	Detect	µg/L	No
MW-27-085	11/15/2024	Molybdenum, dissolved	22	Detect	µg/L	No
MW-27-085	11/13/2025	Molybdenum, dissolved	22	Detect	µg/L	No
MW-27-085	3/10/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	5/5/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	8/23/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	11/9/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	2/22/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	5/24/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	8/23/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	11/27/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	2/19/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	4/29/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	8/20/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	11/15/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	2/24/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	5/5/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	8/26/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	11/13/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-27-085	6/18/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-085	12/3/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-27-085	4/27/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-085	12/1/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-085	11/9/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-085	11/27/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-085	11/15/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-27-085	11/13/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-32-035	12/4/2018	Molybdenum, dissolved	14	Detect	µg/L	No
MW-32-035	12/9/2019	Molybdenum, dissolved	12	Detect	µg/L	No
MW-32-035	12/7/2020	Molybdenum, dissolved	13	Detect	µg/L	No
MW-32-035	11/30/2021	Molybdenum, dissolved	9.6	Detect	µg/L	No
MW-32-035	11/10/2022	Molybdenum, dissolved	13	Detect	µg/L	No
MW-32-035	11/14/2023	Molybdenum, dissolved	12	Detect	µg/L	No
MW-32-035	11/14/2024	Molybdenum, dissolved	8.5	Detect	µg/L	No
MW-32-035	11/19/2025	Molybdenum, dissolved	6.9	Detect	µg/L	No
MW-32-035	3/4/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	5/4/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	8/19/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	11/10/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	2/14/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	5/23/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	8/16/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	11/14/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	2/22/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	5/10/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	8/14/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	11/14/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	2/27/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	5/22/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	8/21/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-32-035	11/19/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-32-035	12/4/2018	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-32-035	12/9/2019	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-32-035	12/7/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-32-035	11/30/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-32-035	11/10/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-32-035	11/14/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-32-035	11/14/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-32-035	11/19/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-040	6/17/2020	Molybdenum, dissolved	120	Detect	µg/L	No
MW-33-040	12/2/2020	Molybdenum, dissolved	440	Detect	µg/L	No
MW-33-040	4/29/2021	Molybdenum, dissolved	140	Detect	µg/L	No
MW-33-040	11/30/2021	Molybdenum, dissolved	380	Detect	µg/L	No
MW-33-040	11/17/2022	Molybdenum, dissolved	340	Detect	µg/L	No
MW-33-040	11/15/2023	Molybdenum, dissolved	170	Detect	µg/L	No
MW-33-040	11/14/2024	Molybdenum, dissolved	150	Detect	µg/L	No
MW-33-040	11/20/2025	Molybdenum, dissolved	120	Detect	µg/L	No
MW-33-040	12/12/2011	Nitrate as Nitrogen	1	Non-Detect	mg/L	No
MW-33-040	2/8/2012	Nitrate as Nitrogen	1	Non-Detect	mg/L	No
MW-33-040	4/23/2012	Nitrate as Nitrogen	1	Non-Detect	mg/L	No
MW-33-040	9/10/2012	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-33-040	11/17/2022	Nitrate as Nitrogen	0.38	Detect	mg/L	No
MW-33-040	11/15/2023	Nitrate as Nitrogen	0.29	Detect	mg/L	No
MW-33-040	11/14/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-33-040	11/20/2025	Nitrate as Nitrogen	0.28	Detect	mg/L	No
MW-33-040	6/17/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-040	12/2/2020	Selenium, dissolved	11	Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-33-040	4/29/2021	Selenium, dissolved	0.52	Detect	µg/L	No
MW-33-040	11/30/2021	Selenium, dissolved	5.7	Detect	µg/L	No
MW-33-040	11/17/2022	Selenium, dissolved	1.8	Detect	µg/L	No
MW-33-040	11/15/2023	Selenium, dissolved	1.3	Detect	µg/L	No
MW-33-040	11/14/2024	Selenium, dissolved	1.5	Detect	µg/L	No
MW-33-040	11/20/2025	Selenium, dissolved	1	Detect	µg/L	No
MW-33-090	6/17/2020	Molybdenum, dissolved	8.2	Detect	µg/L	No
MW-33-090	12/2/2020	Molybdenum, dissolved	9.9	Detect	µg/L	No
MW-33-090	4/29/2021	Molybdenum, dissolved	8.4	Detect	µg/L	No
MW-33-090	11/30/2021	Molybdenum, dissolved	8.1	Detect	µg/L	No
MW-33-090	11/17/2022	Molybdenum, dissolved	8.8	Detect	µg/L	No
MW-33-090	11/15/2023	Molybdenum, dissolved	11	Detect	µg/L	No
MW-33-090	11/14/2024	Molybdenum, dissolved	9.1	Detect	µg/L	No
MW-33-090	11/20/2025	Molybdenum, dissolved	7	Detect	µg/L	No
MW-33-090	12/13/2011	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-33-090	2/9/2012	Nitrate as Nitrogen	1.6	Detect	mg/L	No
MW-33-090	4/30/2012	Nitrate as Nitrogen	1.5	Detect	mg/L	No
MW-33-090	9/24/2012	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-33-090	11/17/2022	Nitrate as Nitrogen	0.98	Detect	mg/L	No
MW-33-090	11/15/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-33-090	11/14/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-33-090	11/20/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-33-090	6/17/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-090	12/2/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-090	4/29/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-090	11/30/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-090	11/17/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-090	11/15/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-090	11/14/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-090	11/20/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-150	6/17/2020	Molybdenum, dissolved	48	Detect	µg/L	No
MW-33-150	12/2/2020	Molybdenum, dissolved	41	Detect	µg/L	No
MW-33-150	4/29/2021	Molybdenum, dissolved	45	Detect	µg/L	No
MW-33-150	11/30/2021	Molybdenum, dissolved	39	Detect	µg/L	No
MW-33-150	11/17/2022	Molybdenum, dissolved	37	Detect	µg/L	No
MW-33-150	11/15/2023	Molybdenum, dissolved	43	Detect	µg/L	No
MW-33-150	11/14/2024	Molybdenum, dissolved	37	Detect	µg/L	No
MW-33-150	11/20/2025	Molybdenum, dissolved	38	Detect	µg/L	No
MW-33-150	12/13/2011	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-33-150	2/9/2012	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-33-150	4/23/2012	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-33-150	9/11/2012	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-33-150	11/17/2022	Nitrate as Nitrogen	1.7	Detect	mg/L	No
MW-33-150	11/15/2023	Nitrate as Nitrogen	1.5	Detect	mg/L	No
MW-33-150	11/14/2024	Nitrate as Nitrogen	1.6	Detect	mg/L	No
MW-33-150	11/20/2025	Nitrate as Nitrogen	1.5	Detect	mg/L	No
MW-33-150	6/17/2020	Selenium, dissolved	0.83	Detect	µg/L	No
MW-33-150	12/2/2020	Selenium, dissolved	0.61	Detect	µg/L	No
MW-33-150	4/29/2021	Selenium, dissolved	0.82	Detect	µg/L	No
MW-33-150	11/30/2021	Selenium, dissolved	0.63	Detect	µg/L	No
MW-33-150	11/17/2022	Selenium, dissolved	0.73	Detect	µg/L	No
MW-33-150	11/15/2023	Selenium, dissolved	0.71	Detect	µg/L	No
MW-33-150	11/14/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-33-150	11/20/2025	Selenium, dissolved	0.74	Detect	µg/L	No
MW-34-055	12/5/2018	Molybdenum, dissolved	5.4	Detect	µg/L	No
MW-34-055	12/10/2019	Molybdenum, dissolved	4.6	Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-34-055	12/3/2020	Molybdenum, dissolved	5.2	Detect	µg/L	No
MW-34-055	12/1/2021	Molybdenum, dissolved	4.5	Detect	µg/L	No
MW-34-055	11/9/2022	Molybdenum, dissolved	4.1	Detect	µg/L	No
MW-34-055	11/8/2023	Molybdenum, dissolved	4.2	Detect	µg/L	No
MW-34-055	11/12/2024	Molybdenum, dissolved	4.1	Detect	µg/L	No
MW-34-055	11/12/2025	Molybdenum, dissolved	4.7	Detect	µg/L	No
MW-34-055	5/5/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	8/23/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	11/9/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	2/22/2023	Nitrate as Nitrogen	0.38	Detect	mg/L	No
MW-34-055	5/10/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	8/23/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	11/8/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	2/7/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	5/8/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	8/8/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	11/12/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	2/12/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	5/14/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	8/12/2025	Nitrate as Nitrogen	0.57	Detect	mg/L	Yes
MW-34-055	9/10/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	11/12/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-055	12/5/2018	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-055	12/10/2019	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-055	12/3/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-055	12/1/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-055	11/9/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-055	11/8/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-055	11/12/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-055	11/12/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-100	2/25/2021	Molybdenum, dissolved	55	Detect	µg/L	No
MW-34-100	4/28/2021	Molybdenum, dissolved	63	Detect	µg/L	No
MW-34-100	8/26/2021	Molybdenum, dissolved	65	Detect	µg/L	No
MW-34-100	12/1/2021	Molybdenum, dissolved	59	Detect	µg/L	No
MW-34-100	11/9/2022	Molybdenum, dissolved	47	Detect	µg/L	No
MW-34-100	11/8/2023	Molybdenum, dissolved	55	Detect	µg/L	No
MW-34-100	11/12/2024	Molybdenum, dissolved	52	Detect	µg/L	No
MW-34-100	11/12/2025	Molybdenum, dissolved	53	Detect	µg/L	No
MW-34-100	11/9/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-100	2/22/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-100	5/10/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-100	8/23/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-100	11/8/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-100	12/12/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-34-100	2/7/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	3/12/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	4/10/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	5/8/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	6/11/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	7/18/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	8/8/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	9/12/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	10/10/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	11/12/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	12/12/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	1/15/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-34-100	2/12/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	3/12/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	4/9/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	5/8/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	8/12/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	11/12/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-34-100	2/25/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-100	4/28/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-100	8/26/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-100	12/1/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-100	11/9/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-100	11/8/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-100	11/12/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-34-100	11/12/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-35-060	4/27/2020	Molybdenum, dissolved	15	Detect	µg/L	No
MW-35-060	12/8/2020	Molybdenum, dissolved	10	Detect	µg/L	No
MW-35-060	4/30/2021	Molybdenum, dissolved	12	Detect	µg/L	No
MW-35-060	12/6/2021	Molybdenum, dissolved	8.8	Detect	µg/L	No
MW-35-060	11/17/2022	Molybdenum, dissolved	9.2	Detect	µg/L	No
MW-35-060	11/16/2023	Molybdenum, dissolved	9.3	Detect	µg/L	No
MW-35-060	10/28/2024	Molybdenum, dissolved	8.9	Detect	µg/L	No
MW-35-060	12/15/2025	Molybdenum, dissolved	9.4	Detect	µg/L	No
MW-35-060	12/7/2011	Nitrate as Nitrogen	1.9	Detect	mg/L	No
MW-35-060	2/6/2012	Nitrate as Nitrogen	1.9	Detect	mg/L	No
MW-35-060	4/26/2012	Nitrate as Nitrogen	2	Detect	mg/L	No
MW-35-060	9/10/2012	Nitrate as Nitrogen	1.8	Detect	mg/L	No
MW-35-060	11/17/2022	Nitrate as Nitrogen	2.1	Detect	mg/L	No
MW-35-060	11/16/2023	Nitrate as Nitrogen	2	Detect	mg/L	No
MW-35-060	10/28/2024	Nitrate as Nitrogen	1.9	Detect	mg/L	No
MW-35-060	12/15/2025	Nitrate as Nitrogen	1.9	Detect	mg/L	No
MW-35-060	4/27/2020	Selenium, dissolved	1.5	Detect	µg/L	No
MW-35-060	12/8/2020	Selenium, dissolved	1.3	Detect	µg/L	No
MW-35-060	4/30/2021	Selenium, dissolved	1.2	Detect	µg/L	No
MW-35-060	12/6/2021	Selenium, dissolved	0.92	Detect	µg/L	No
MW-35-060	11/17/2022	Selenium, dissolved	0.98	Detect	µg/L	No
MW-35-060	11/16/2023	Selenium, dissolved	0.97	Detect	µg/L	No
MW-35-060	10/28/2024	Selenium, dissolved	1.1	Detect	µg/L	No
MW-35-060	12/15/2025	Selenium, dissolved	0.98	Detect	µg/L	No
MW-35-135	4/27/2020	Molybdenum, dissolved	20	Detect	µg/L	No
MW-35-135	12/8/2020	Molybdenum, dissolved	21	Detect	µg/L	No
MW-35-135	4/30/2021	Molybdenum, dissolved	20	Detect	µg/L	No
MW-35-135	12/6/2021	Molybdenum, dissolved	20	Detect	µg/L	No
MW-35-135	11/17/2022	Molybdenum, dissolved	9.2	Detect	µg/L	No
MW-35-135	11/16/2023	Molybdenum, dissolved	20	Detect	µg/L	No
MW-35-135	10/28/2024	Molybdenum, dissolved	18	Detect	µg/L	No
MW-35-135	12/15/2025	Molybdenum, dissolved	3.5	Detect	µg/L	No
MW-35-135	9/24/2009	Nitrate as Nitrogen	3	Detect	mg/L	No
MW-35-135	12/14/2010	Nitrate as Nitrogen	2.5	Detect	mg/L	No
MW-35-135	12/7/2011	Nitrate as Nitrogen	2.6	Detect	mg/L	No
MW-35-135	4/26/2012	Nitrate as Nitrogen	2.5	Detect	mg/L	No
MW-35-135	11/17/2022	Nitrate as Nitrogen	2.3	Detect	mg/L	No
MW-35-135	11/16/2023	Nitrate as Nitrogen	2.5	Detect	mg/L	No
MW-35-135	10/28/2024	Nitrate as Nitrogen	2.6	Detect	mg/L	No
MW-35-135	12/15/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-35-135	4/27/2020	Selenium, dissolved	0.92	Detect	µg/L	No
MW-35-135	12/8/2020	Selenium, dissolved	1	Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-35-135	4/30/2021	Selenium, dissolved	1.1	Detect	µg/L	No
MW-35-135	12/6/2021	Selenium, dissolved	1	Detect	µg/L	No
MW-35-135	11/17/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-35-135	11/16/2023	Selenium, dissolved	1.1	Detect	µg/L	No
MW-35-135	10/28/2024	Selenium, dissolved	1	Detect	µg/L	No
MW-35-135	12/15/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-040	12/6/2018	Molybdenum, dissolved	3.5	Detect	µg/L	No
MW-36-040	12/4/2019	Molybdenum, dissolved	2.4	Detect	µg/L	No
MW-36-040	12/15/2020	Molybdenum, dissolved	2.9	Detect	µg/L	No
MW-36-040	12/3/2021	Molybdenum, dissolved	3.5	Detect	µg/L	No
MW-36-040	11/10/2022	Molybdenum, dissolved	4.5	Detect	µg/L	No
MW-36-040	11/8/2023	Molybdenum, dissolved	3.5	Detect	µg/L	No
MW-36-040	11/13/2024	Molybdenum, dissolved	4.6	Detect	µg/L	No
MW-36-040	11/12/2025	Molybdenum, dissolved	4.4	Detect	µg/L	No
MW-36-040	3/9/2022	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-36-040	5/4/2022	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-36-040	8/23/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-36-040	11/10/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-36-040	2/24/2023	Nitrate as Nitrogen	0.05	Non-Detect	mg/L	No
MW-36-040	5/23/2023	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-36-040	8/15/2023	Nitrate as Nitrogen	0.34	Detect	mg/L	No
MW-36-040	11/8/2023	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-36-040	2/8/2024	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-36-040	5/8/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-36-040	8/13/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-36-040	11/13/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-36-040	2/18/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-36-040	5/7/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-36-040	8/26/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-36-040	11/12/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-36-040	12/6/2018	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-040	12/4/2019	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-040	12/15/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-040	12/3/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-040	11/10/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-040	11/8/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-040	11/13/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-040	11/12/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-100	6/16/2020	Molybdenum, dissolved	20	Detect	µg/L	No
MW-36-100	12/15/2020	Molybdenum, dissolved	19	Detect	µg/L	No
MW-36-100	4/28/2021	Molybdenum, dissolved	21	Detect	µg/L	No
MW-36-100	12/3/2021	Molybdenum, dissolved	19	Detect	µg/L	No
MW-36-100	11/10/2022	Molybdenum, dissolved	13	Detect	µg/L	No
MW-36-100	11/8/2023	Molybdenum, dissolved	18	Detect	µg/L	No
MW-36-100	11/13/2024	Molybdenum, dissolved	15	Detect	µg/L	No
MW-36-100	11/12/2025	Molybdenum, dissolved	14	Detect	µg/L	No
MW-36-100	8/10/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	9/14/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	10/11/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	11/8/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	12/12/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	1/10/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	2/8/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	3/12/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	4/10/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	5/8/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-36-100	6/11/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	7/17/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	8/7/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	9/12/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	10/9/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	11/13/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	12/11/2024	Nitrate as Nitrogen	0.61	Detect	mg/L	No
MW-36-100	1/15/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	2/12/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	3/12/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	4/8/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	5/7/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	8/12/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-36-100	11/12/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-36-100	6/16/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-100	12/15/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-100	4/28/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-100	12/3/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-100	11/10/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-100	11/8/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-100	11/13/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-36-100	11/12/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-37S	12/6/2018	Molybdenum, dissolved	15	Detect	µg/L	No
MW-37S	12/19/2019	Molybdenum, dissolved	14	Detect	µg/L	No
MW-37S	12/10/2020	Molybdenum, dissolved	15	Detect	µg/L	No
MW-37S	12/7/2021	Molybdenum, dissolved	16	Detect	µg/L	No
MW-37S	12/1/2022	Molybdenum, dissolved	13	Detect	µg/L	No
MW-37S	11/28/2023	Molybdenum, dissolved	13	Detect	µg/L	No
MW-37S	10/29/2024	Molybdenum, dissolved	12	Detect	µg/L	No
MW-37S	11/20/2025	Molybdenum, dissolved	11	Detect	µg/L	No
MW-37S	10/3/2008	Nitrate as Nitrogen	1.8	Detect	mg/L	No
MW-37S	9/23/2009	Nitrate as Nitrogen	1.8	Detect	mg/L	No
MW-37S	12/10/2010	Nitrate as Nitrogen	1.5	Detect	mg/L	No
MW-37S	12/7/2011	Nitrate as Nitrogen	1.4	Detect	mg/L	No
MW-37S	12/1/2022	Nitrate as Nitrogen	1.8	Detect	mg/L	No
MW-37S	11/28/2023	Nitrate as Nitrogen	1.4	Detect	mg/L	No
MW-37S	10/29/2024	Nitrate as Nitrogen	1.4	Detect	mg/L	No
MW-37S	11/20/2025	Nitrate as Nitrogen	1.2	Detect	mg/L	No
MW-37S	12/6/2018	Selenium, dissolved	0.76	Detect	µg/L	No
MW-37S	12/19/2019	Selenium, dissolved	0.7	Detect	µg/L	No
MW-37S	12/10/2020	Selenium, dissolved	0.82	Detect	µg/L	No
MW-37S	12/7/2021	Selenium, dissolved	0.8	Detect	µg/L	No
MW-37S	12/1/2022	Selenium, dissolved	0.87	Detect	µg/L	No
MW-37S	11/28/2023	Selenium, dissolved	1	Detect	µg/L	No
MW-37S	10/29/2024	Selenium, dissolved	0.89	Detect	µg/L	No
MW-37S	11/20/2025	Selenium, dissolved	0.77	Detect	µg/L	No
MW-40D	6/17/2020	Molybdenum, dissolved	41	Detect	µg/L	No
MW-40D	12/10/2020	Molybdenum, dissolved	41	Detect	µg/L	No
MW-40D	5/19/2021	Molybdenum, dissolved	49	Detect	µg/L	No
MW-40D	12/6/2021	Molybdenum, dissolved	35	Detect	µg/L	No
MW-40D	12/1/2022	Molybdenum, dissolved	33	Detect	µg/L	No
MW-40D	11/29/2023	Molybdenum, dissolved	30	Detect	µg/L	No
MW-40D	12/12/2024	Molybdenum, dissolved	27	Detect	µg/L	No
MW-40D	12/11/2025	Molybdenum, dissolved	25	Detect	µg/L	No
MW-40D	9/28/2009	Nitrate as Nitrogen	3.3	Detect	mg/L	No
MW-40D	12/15/2010	Nitrate as Nitrogen	2.9	Detect	mg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-40D	5/5/2011	Nitrate as Nitrogen	2.7	Detect	mg/L	No
MW-40D	12/7/2011	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-40D	12/1/2022	Nitrate as Nitrogen	3.5	Detect	mg/L	No
MW-40D	11/29/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-40D	12/12/2024	Nitrate as Nitrogen	0.56	Detect	mg/L	No
MW-40D	12/11/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-40D	6/17/2020	Selenium, dissolved	0.78	Detect	µg/L	No
MW-40D	12/10/2020	Selenium, dissolved	1	Detect	µg/L	No
MW-40D	5/19/2021	Selenium, dissolved	1.8	Detect	µg/L	No
MW-40D	12/6/2021	Selenium, dissolved	1.1	Detect	µg/L	No
MW-40D	12/1/2022	Selenium, dissolved	0.84	Detect	µg/L	No
MW-40D	11/29/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-40D	12/12/2024	Selenium, dissolved	0.64	Detect	µg/L	No
MW-40D	12/11/2025	Selenium, dissolved	0.84	Detect	µg/L	No
MW-40S	6/17/2020	Molybdenum, dissolved	30	Detect	µg/L	No
MW-40S	12/10/2020	Molybdenum, dissolved	5.2	Detect	µg/L	No
MW-40S	5/19/2021	Molybdenum, dissolved	15	Detect	µg/L	No
MW-40S	12/6/2021	Molybdenum, dissolved	32	Detect	µg/L	No
MW-40S	12/1/2022	Molybdenum, dissolved	6.7	Detect	µg/L	No
MW-40S	11/29/2023	Molybdenum, dissolved	6.5	Detect	µg/L	No
MW-40S	12/12/2024	Molybdenum, dissolved	6.2	Detect	µg/L	No
MW-40S	12/11/2025	Molybdenum, dissolved	7.7	Detect	µg/L	No
MW-40S	5/3/2006	Nitrate as Nitrogen	4.6	Detect	mg/L	No
MW-40S	12/14/2007	Nitrate as Nitrogen	5.53	Detect	mg/L	No
MW-40S	9/28/2009	Nitrate as Nitrogen	4.2	Detect	mg/L	No
MW-40S	12/7/2011	Nitrate as Nitrogen	3.7	Detect	mg/L	No
MW-40S	12/1/2022	Nitrate as Nitrogen	4.5	Detect	mg/L	No
MW-40S	11/29/2023	Nitrate as Nitrogen	3.9	Detect	mg/L	No
MW-40S	12/12/2024	Nitrate as Nitrogen	3.7	Detect	mg/L	No
MW-40S	12/11/2025	Nitrate as Nitrogen	3.8	Detect	mg/L	No
MW-40S	6/17/2020	Selenium, dissolved	6.1	Detect	µg/L	No
MW-40S	12/10/2020	Selenium, dissolved	1.8	Detect	µg/L	No
MW-40S	5/19/2021	Selenium, dissolved	3.9	Detect	µg/L	No
MW-40S	12/6/2021	Selenium, dissolved	11	Detect	µg/L	No
MW-40S	12/1/2022	Selenium, dissolved	2	Detect	µg/L	No
MW-40S	11/29/2023	Selenium, dissolved	2.1	Detect	µg/L	No
MW-40S	12/12/2024	Selenium, dissolved	2.2	Detect	µg/L	No
MW-40S	12/11/2025	Selenium, dissolved	2.5	Detect	µg/L	No
MW-41M	12/17/2019	Molybdenum, dissolved	24	Detect	µg/L	No
MW-41M	12/17/2020	Molybdenum, dissolved	26	Detect	µg/L	No
MW-41M	12/7/2021	Molybdenum, dissolved	27	Detect	µg/L	No
MW-41M	11/30/2022	Molybdenum, dissolved	26	Detect	µg/L	No
MW-41M	12/1/2023	Molybdenum, dissolved	27	Detect	µg/L	No
MW-41M	11/22/2024	Molybdenum, dissolved	28	Detect	µg/L	No
MW-41M	1/16/2025	Molybdenum, dissolved	27	Detect	µg/L	No
MW-41M	11/25/2025	Molybdenum, dissolved	28	Detect	µg/L	No
MW-41M	10/3/2008	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-41M	9/23/2009	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-41M	12/8/2010	Nitrate as Nitrogen	1	Non-Detect	mg/L	No
MW-41M	12/5/2011	Nitrate as Nitrogen	2.5	Non-Detect	mg/L	No
MW-41M	11/30/2022	Nitrate as Nitrogen	0.51	Detect	mg/L	No
MW-41M	12/1/2023	Nitrate as Nitrogen	0.66	Detect	mg/L	No
MW-41M	11/22/2024	Nitrate as Nitrogen	0.69	Detect	mg/L	No
MW-41M	11/25/2025	Nitrate as Nitrogen	0.61	Detect	mg/L	No
MW-41M	12/11/2018	Selenium, dissolved	0.72	Detect	µg/L	No
MW-41M	12/17/2019	Selenium, dissolved	0.65	Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-41M	12/17/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-41M	12/7/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-41M	11/30/2022	Selenium, dissolved	0.53	Detect	µg/L	No
MW-41M	12/1/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-41M	11/22/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-41M	11/25/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-41S	12/7/2018	Molybdenum, dissolved	13	Detect	µg/L	No
MW-41S	12/17/2019	Molybdenum, dissolved	13	Detect	µg/L	No
MW-41S	12/17/2020	Molybdenum, dissolved	13	Detect	µg/L	No
MW-41S	12/7/2021	Molybdenum, dissolved	14	Detect	µg/L	No
MW-41S	11/30/2022	Molybdenum, dissolved	12	Detect	µg/L	No
MW-41S	12/1/2023	Molybdenum, dissolved	13	Detect	µg/L	No
MW-41S	11/22/2024	Molybdenum, dissolved	12	Detect	µg/L	No
MW-41S	11/25/2025	Molybdenum, dissolved	12	Detect	µg/L	No
MW-41S	9/23/2009	Nitrate as Nitrogen	1.6	Detect	mg/L	No
MW-41S	12/8/2010	Nitrate as Nitrogen	1.3	Detect	mg/L	No
MW-41S	12/7/2011	Nitrate as Nitrogen	1.2	Detect	mg/L	No
MW-41S	11/30/2022	Nitrate as Nitrogen	2.4	Detect	mg/L	No
MW-41S	12/1/2023	Nitrate as Nitrogen	2.6	Detect	mg/L	No
MW-41S	11/22/2024	Nitrate as Nitrogen	2.7	Detect	mg/L	No
MW-41S	1/16/2025	Nitrate as Nitrogen	2.7	Detect	mg/L	No
MW-41S	11/25/2025	Nitrate as Nitrogen	2.8	Detect	mg/L	No
MW-41S	12/7/2018	Selenium, dissolved	1.7	Detect	µg/L	No
MW-41S	12/17/2019	Selenium, dissolved	1.8	Detect	µg/L	No
MW-41S	12/17/2020	Selenium, dissolved	1.9	Detect	µg/L	No
MW-41S	12/7/2021	Selenium, dissolved	2.2	Detect	µg/L	No
MW-41S	11/30/2022	Selenium, dissolved	2.3	Detect	µg/L	No
MW-41S	12/1/2023	Selenium, dissolved	2.5	Detect	µg/L	No
MW-41S	11/22/2024	Selenium, dissolved	2.6	Detect	µg/L	No
MW-41S	11/25/2025	Selenium, dissolved	2.9	Detect	µg/L	No
MW-42-030	12/11/2019	Molybdenum, dissolved	24	Detect	µg/L	No
MW-42-030	12/16/2020	Molybdenum, dissolved	27	Detect	µg/L	No
MW-42-030	11/30/2021	Molybdenum, dissolved	17	Detect	µg/L	No
MW-42-030	11/10/2022	Molybdenum, dissolved	6.3	Detect	µg/L	No
MW-42-030	11/13/2023	Molybdenum, dissolved	12	Detect	µg/L	No
MW-42-030	11/1/2024	Molybdenum, dissolved	4.9	Detect	µg/L	No
MW-42-030	5/21/2025	Molybdenum, dissolved	4.6	Detect	µg/L	No
MW-42-030	11/14/2025	Molybdenum, dissolved	8.2	Detect	µg/L	No
MW-42-030	3/10/2022	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-42-030	5/5/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	8/18/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	11/10/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	2/16/2023	Nitrate as Nitrogen	0.05	Non-Detect	mg/L	No
MW-42-030	5/22/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	8/14/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	11/13/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	2/9/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	5/3/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	8/12/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	11/1/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	2/25/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	5/21/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	8/26/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	11/14/2025	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-42-030	12/11/2019	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-42-030	12/16/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-42-030	11/30/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-42-030	11/10/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-42-030	11/13/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-42-030	11/1/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-42-030	5/21/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-42-030	11/14/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-070	12/5/2018	Molybdenum, dissolved	8.7	Detect	µg/L	No
MW-44-070	12/11/2019	Molybdenum, dissolved	6.3	Detect	µg/L	No
MW-44-070	12/11/2020	Molybdenum, dissolved	8.8	Detect	µg/L	No
MW-44-070	12/8/2021	Molybdenum, dissolved	7.6	Detect	µg/L	No
MW-44-070	11/8/2022	Molybdenum, dissolved	11	Detect	µg/L	No
MW-44-070	11/8/2023	Molybdenum, dissolved	9.1	Detect	µg/L	No
MW-44-070	11/12/2024	Molybdenum, dissolved	7.2	Detect	µg/L	No
MW-44-070	11/13/2025	Molybdenum, dissolved	8.3	Detect	µg/L	No
MW-44-070	3/10/2022	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-44-070	5/6/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-44-070	8/23/2022	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-44-070	11/8/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-070	2/22/2023	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-44-070	5/24/2023	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-44-070	8/16/2023	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-44-070	11/8/2023	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-44-070	2/7/2024	Nitrate as Nitrogen	0.1	Non-Detect	mg/L	No
MW-44-070	5/8/2024	Nitrate as Nitrogen	0.25	Non-Detect	mg/L	No
MW-44-070	8/14/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-070	11/12/2024	Nitrate as Nitrogen	0.64	Detect	mg/L	No
MW-44-070	2/11/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-070	5/9/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-070	8/12/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-070	11/13/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-070	12/5/2018	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-070	12/11/2019	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-070	12/11/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-070	12/8/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-070	11/8/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-070	11/8/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-070	11/12/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-070	11/13/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-125	6/23/2020	Molybdenum, dissolved	13	Detect	µg/L	No
MW-44-125	12/11/2020	Molybdenum, dissolved	27	Detect	µg/L	No
MW-44-125	4/28/2021	Molybdenum, dissolved	10	Detect	µg/L	No
MW-44-125	12/8/2021	Molybdenum, dissolved	230	Detect	µg/L	No
MW-44-125	11/8/2022	Molybdenum, dissolved	120	Detect	µg/L	No
MW-44-125	11/8/2023	Molybdenum, dissolved	160	Detect	µg/L	No
MW-44-125	11/12/2024	Molybdenum, dissolved	170	Detect	µg/L	No
MW-44-125	11/13/2025	Molybdenum, dissolved	130	Detect	µg/L	No
MW-44-125	8/8/2023	Nitrate as Nitrogen	0.5	Detect	mg/L	No
MW-44-125	9/14/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	10/11/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	11/8/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	12/12/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	1/10/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	2/7/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	3/11/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	4/10/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	5/8/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-44-125	6/11/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	7/17/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	8/7/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	9/12/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	10/9/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	11/12/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	12/11/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	1/14/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	2/11/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	3/12/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	4/9/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	5/9/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	8/12/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	11/13/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-44-125	6/23/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-125	12/11/2020	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-125	4/28/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-125	12/8/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-125	11/8/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-125	11/8/2023	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-125	11/12/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-44-125	11/13/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-46-175	2/25/2021	Molybdenum, dissolved	180	Detect	µg/L	No
MW-46-175	4/29/2021	Molybdenum, dissolved	210	Detect	µg/L	No
MW-46-175	8/26/2021	Molybdenum, dissolved	200	Detect	µg/L	No
MW-46-175	12/8/2021	Molybdenum, dissolved	200	Detect	µg/L	No
MW-46-175	11/17/2022	Molybdenum, dissolved	160	Detect	µg/L	No
MW-46-175	11/16/2023	Molybdenum, dissolved	180	Detect	µg/L	No
MW-46-175	11/12/2024	Molybdenum, dissolved	140	Detect	µg/L	No
MW-46-175	11/13/2025	Molybdenum, dissolved	140	Detect	µg/L	No
MW-46-175	3/3/2022	Nitrate as Nitrogen	0.76	Detect	mg/L	No
MW-46-175	5/5/2022	Nitrate as Nitrogen	1	Detect	mg/L	No
MW-46-175	8/24/2022	Nitrate as Nitrogen	1	Detect	mg/L	No
MW-46-175	11/17/2022	Nitrate as Nitrogen	0.97	Detect	mg/L	No
MW-46-175	2/21/2023	Nitrate as Nitrogen	0.91	Detect	mg/L	No
MW-46-175	5/25/2023	Nitrate as Nitrogen	0.58	Detect	mg/L	No
MW-46-175	8/23/2023	Nitrate as Nitrogen	1.2	Detect	mg/L	No
MW-46-175	11/16/2023	Nitrate as Nitrogen	1.2	Detect	mg/L	No
MW-46-175	2/22/2024	Nitrate as Nitrogen	1.2	Detect	mg/L	No
MW-46-175	5/15/2024	Nitrate as Nitrogen	1.3	Detect	mg/L	No
MW-46-175	6/12/2024	Nitrate as Nitrogen	1.2	Detect	mg/L	No
MW-46-175	7/17/2024	Nitrate as Nitrogen	1.3	Detect	mg/L	No
MW-46-175	8/7/2024	Nitrate as Nitrogen	1.3	Detect	mg/L	No
MW-46-175	9/11/2024	Nitrate as Nitrogen	1.9	Detect	mg/L	No
MW-46-175	10/9/2024	Nitrate as Nitrogen	1.1	Detect	mg/L	No
MW-46-175	11/12/2024	Nitrate as Nitrogen	1.1	Detect	mg/L	No
MW-46-175	12/10/2024	Nitrate as Nitrogen	1.1	Detect	mg/L	No
MW-46-175	1/14/2025	Nitrate as Nitrogen	0.95	Detect	mg/L	No
MW-46-175	2/12/2025	Nitrate as Nitrogen	0.92	Detect	mg/L	No
MW-46-175	3/12/2025	Nitrate as Nitrogen	1.3	Detect	mg/L	No
MW-46-175	4/9/2025	Nitrate as Nitrogen	1.3	Detect	mg/L	No
MW-46-175	5/8/2025	Nitrate as Nitrogen	1.2	Detect	mg/L	No
MW-46-175	8/14/2025	Nitrate as Nitrogen	0.98	Detect	mg/L	No
MW-46-175	11/13/2025	Nitrate as Nitrogen	0.79	Detect	mg/L	No
MW-46-175	2/25/2021	Selenium, dissolved	0.62	Detect	µg/L	No
MW-46-175	4/29/2021	Selenium, dissolved	0.56	Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-46-175	8/26/2021	Selenium, dissolved	0.79	Detect	µg/L	No
MW-46-175	12/8/2021	Selenium, dissolved	0.56	Detect	µg/L	No
MW-46-175	11/17/2022	Selenium, dissolved	0.51	Detect	µg/L	No
MW-46-175	11/16/2023	Selenium, dissolved	0.66	Detect	µg/L	No
MW-46-175	11/12/2024	Selenium, dissolved	0.53	Detect	µg/L	No
MW-46-175	11/13/2025	Selenium, dissolved	0.57	Detect	µg/L	No
MW-71-035	3/14/2022	Molybdenum, dissolved	13	Detect	µg/L	No
MW-71-035	6/15/2022	Molybdenum, dissolved	21	Detect	µg/L	No
MW-71-035	8/12/2022	Molybdenum, dissolved	23	Detect	µg/L	No
MW-71-035	11/10/2022	Molybdenum, dissolved	16	Detect	µg/L	No
MW-71-035	2/15/2023	Molybdenum, dissolved	19	Detect	µg/L	No
MW-71-035	5/10/2023	Molybdenum, dissolved	42	Detect	µg/L	No
MW-71-035	8/9/2023	Molybdenum, dissolved	22	Detect	µg/L	No
MW-71-035	11/7/2023	Molybdenum, dissolved	21	Detect	µg/L	No
MW-71-035	2/8/2024	Molybdenum, dissolved	23	Detect	µg/L	No
MW-71-035	5/10/2024	Molybdenum, dissolved	26	Detect	µg/L	No
MW-71-035	8/8/2024	Molybdenum, dissolved	28	Detect	µg/L	No
MW-71-035	11/11/2024	Molybdenum, dissolved	25	Detect	µg/L	No
MW-71-035	2/13/2025	Molybdenum, dissolved	22	Detect	µg/L	No
MW-71-035	5/7/2025	Molybdenum, dissolved	26	Detect	µg/L	No
MW-71-035	8/14/2025	Molybdenum, dissolved	28	Detect	µg/L	No
MW-71-035	11/12/2025	Molybdenum, dissolved	28	Detect	µg/L	No
MW-71-035	1/11/2024	Nitrate as Nitrogen	1.3	Detect	mg/L	No
MW-71-035	2/8/2024	Nitrate as Nitrogen	1.6	Detect	mg/L	No
MW-71-035	3/14/2024	Nitrate as Nitrogen	2.7	Detect	mg/L	No
MW-71-035	4/11/2024	Nitrate as Nitrogen	2.4	Detect	mg/L	No
MW-71-035	5/10/2024	Nitrate as Nitrogen	3.5	Detect	mg/L	No
MW-71-035	6/13/2024	Nitrate as Nitrogen	2.9	Detect	mg/L	No
MW-71-035	7/18/2024	Nitrate as Nitrogen	5.1	Detect	mg/L	No
MW-71-035	8/8/2024	Nitrate as Nitrogen	6.5	Detect	mg/L	No
MW-71-035	9/12/2024	Nitrate as Nitrogen	8.5	Detect	mg/L	No
MW-71-035	10/10/2024	Nitrate as Nitrogen	7.8	Detect	mg/L	No
MW-71-035	11/11/2024	Nitrate as Nitrogen	6.9	Detect	mg/L	No
MW-71-035	12/10/2024	Nitrate as Nitrogen	5.5	Detect	mg/L	No
MW-71-035	1/15/2025	Nitrate as Nitrogen	7.5	Detect	mg/L	No
MW-71-035	2/13/2025	Nitrate as Nitrogen	4.9	Detect	mg/L	No
MW-71-035	3/13/2025	Nitrate as Nitrogen	6.7	Detect	mg/L	No
MW-71-035	4/10/2025	Nitrate as Nitrogen	9	Detect	mg/L	No
MW-71-035	5/7/2025	Nitrate as Nitrogen	7	Detect	mg/L	No
MW-71-035	6/11/2025	Nitrate as Nitrogen	8.7	Detect	mg/L	No
MW-71-035	7/17/2025	Nitrate as Nitrogen	11	Detect	mg/L	Yes
MW-71-035	8/14/2025	Nitrate as Nitrogen	12	Detect	mg/L	Yes
MW-71-035	9/11/2025	Nitrate as Nitrogen	13	Detect	mg/L	Yes
MW-71-035	10/21/2025	Nitrate as Nitrogen	11	Detect	mg/L	Yes
MW-71-035	11/12/2025	Nitrate as Nitrogen	7.9	Detect	mg/L	No
MW-71-035	12/10/2025	Nitrate as Nitrogen	4	Detect	mg/L	No
MW-71-035	6/15/2022	Selenium, dissolved	0.51	Detect	µg/L	No
MW-71-035	8/12/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-71-035	11/10/2022	Selenium, dissolved	1.5	Detect	µg/L	No
MW-71-035	1/11/2023	Selenium, dissolved	2.7	Detect	µg/L	No
MW-71-035	2/15/2023	Selenium, dissolved	0.64	Detect	µg/L	No
MW-71-035	5/10/2023	Selenium, dissolved	3.5	Detect	µg/L	No
MW-71-035	8/9/2023	Selenium, dissolved	1.8	Detect	µg/L	No
MW-71-035	11/7/2023	Selenium, dissolved	1.2	Detect	µg/L	No
MW-71-035	2/8/2024	Selenium, dissolved	1.1	Detect	µg/L	No
MW-71-035	5/10/2024	Selenium, dissolved	5.4	Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-71-035	8/8/2024	Selenium, dissolved	4.9	Detect	µg/L	No
MW-71-035	11/11/2024	Selenium, dissolved	5.3	Detect	µg/L	No
MW-71-035	2/13/2025	Selenium, dissolved	5.9	Detect	µg/L	No
MW-71-035	5/7/2025	Selenium, dissolved	2.9	Detect	µg/L	No
MW-71-035	8/14/2025	Selenium, dissolved	5.5	Detect	µg/L	No
MW-71-035	11/12/2025	Selenium, dissolved	6	Detect	µg/L	No
MW-89-183	2/24/2021	Molybdenum, dissolved	7.4	Detect	µg/L	No
MW-89-183	5/19/2021	Molybdenum, dissolved	9.7	Detect	µg/L	No
MW-89-183	8/25/2021	Molybdenum, dissolved	8.3	Detect	µg/L	No
MW-89-183	12/6/2021	Molybdenum, dissolved	7	Detect	µg/L	No
MW-89-183	12/1/2022	Molybdenum, dissolved	6.7	Detect	µg/L	No
MW-89-183	11/29/2023	Molybdenum, dissolved	6.1	Detect	µg/L	No
MW-89-183	12/12/2024	Molybdenum, dissolved	5.6	Detect	µg/L	No
MW-89-183	12/11/2025	Molybdenum, dissolved	7.3	Detect	µg/L	No
MW-89-183	12/1/2022	Nitrate as Nitrogen	3.9	Detect	mg/L	No
MW-89-183	11/29/2023	Nitrate as Nitrogen	3.3	Detect	mg/L	No
MW-89-183	12/12/2024	Nitrate as Nitrogen	3	Detect	mg/L	No
MW-89-183	12/11/2025	Nitrate as Nitrogen	2.9	Detect	mg/L	No
MW-89-183	2/24/2021	Nitrate/Nitrite as Nitrogen	2.6	Detect	mg/L	No
MW-89-183	5/19/2021	Nitrate/Nitrite as Nitrogen	2.9	Detect	mg/L	No
MW-89-183	8/25/2021	Nitrate/Nitrite as Nitrogen	2.7	Detect	mg/L	No
MW-89-183	12/6/2021	Nitrate/Nitrite as Nitrogen	2.8	Detect	mg/L	No
MW-89-183	12/1/2022	Nitrate/Nitrite as Nitrogen	2.8	Detect	mg/L	No
MW-89-183	11/29/2023	Nitrate/Nitrite as Nitrogen	2.9	Detect	mg/L	No
MW-89-183	12/12/2024	Nitrate/Nitrite as Nitrogen	2.9	Detect	mg/L	No
MW-89-183	12/11/2025	Nitrate/Nitrite as Nitrogen	2.8	Detect	mg/L	No
MW-89-183	2/24/2021	Selenium, dissolved	2.2	Detect	µg/L	No
MW-89-183	5/19/2021	Selenium, dissolved	3.1	Detect	µg/L	No
MW-89-183	8/25/2021	Selenium, dissolved	2.8	Detect	µg/L	No
MW-89-183	12/6/2021	Selenium, dissolved	2.5	Detect	µg/L	No
MW-89-183	12/1/2022	Selenium, dissolved	2.6	Detect	µg/L	No
MW-89-183	11/29/2023	Selenium, dissolved	2.9	Detect	µg/L	No
MW-89-183	12/12/2024	Selenium, dissolved	2.7	Detect	µg/L	No
MW-89-183	12/11/2025	Selenium, dissolved	3.2	Detect	µg/L	No
MW-89-273	2/24/2021	Molybdenum, dissolved	36	Detect	µg/L	No
MW-89-273	5/19/2021	Molybdenum, dissolved	34	Detect	µg/L	No
MW-89-273	8/25/2021	Molybdenum, dissolved	33	Detect	µg/L	No
MW-89-273	12/6/2021	Molybdenum, dissolved	32	Detect	µg/L	No
MW-89-273	12/1/2022	Molybdenum, dissolved	35	Detect	µg/L	No
MW-89-273	11/29/2023	Molybdenum, dissolved	39	Detect	µg/L	No
MW-89-273	12/12/2024	Molybdenum, dissolved	37	Detect	µg/L	No
MW-89-273	12/11/2025	Molybdenum, dissolved	37	Detect	µg/L	No
MW-89-273	12/1/2022	Nitrate as Nitrogen	4	Detect	mg/L	No
MW-89-273	11/29/2023	Nitrate as Nitrogen	3.2	Detect	mg/L	No
MW-89-273	12/12/2024	Nitrate as Nitrogen	3	Detect	mg/L	No
MW-89-273	12/11/2025	Nitrate as Nitrogen	2.7	Detect	mg/L	No
MW-89-273	2/24/2021	Nitrate/Nitrite as Nitrogen	2.7	Detect	mg/L	No
MW-89-273	5/19/2021	Nitrate/Nitrite as Nitrogen	2.8	Detect	mg/L	No
MW-89-273	8/25/2021	Nitrate/Nitrite as Nitrogen	2.8	Detect	mg/L	No
MW-89-273	12/6/2021	Nitrate/Nitrite as Nitrogen	2.7	Detect	mg/L	No
MW-89-273	12/1/2022	Nitrate/Nitrite as Nitrogen	2.8	Detect	mg/L	No
MW-89-273	11/29/2023	Nitrate/Nitrite as Nitrogen	2.8	Detect	mg/L	No
MW-89-273	12/12/2024	Nitrate/Nitrite as Nitrogen	2.8	Detect	mg/L	No
MW-89-273	12/11/2025	Nitrate/Nitrite as Nitrogen	2.7	Detect	mg/L	No
MW-89-273	2/24/2021	Selenium, dissolved	3.5	Detect	µg/L	No
MW-89-273	5/19/2021	Selenium, dissolved	3.6	Detect	µg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-89-273	8/25/2021	Selenium, dissolved	3.7	Detect	µg/L	No
MW-89-273	12/6/2021	Selenium, dissolved	3.7	Detect	µg/L	No
MW-89-273	12/1/2022	Selenium, dissolved	3.6	Detect	µg/L	No
MW-89-273	11/29/2023	Selenium, dissolved	3.6	Detect	µg/L	No
MW-89-273	12/12/2024	Selenium, dissolved	3.4	Detect	µg/L	No
MW-89-273	12/11/2025	Selenium, dissolved	3.6	Detect	µg/L	No
MW-90-031	2/17/2021	Molybdenum, dissolved	16	Detect	µg/L	No
MW-90-031	5/25/2021	Molybdenum, dissolved	16	Detect	µg/L	No
MW-90-031	8/18/2021	Molybdenum, dissolved	13	Detect	µg/L	No
MW-90-031	12/8/2021	Molybdenum, dissolved	18	Detect	µg/L	No
MW-90-031	11/16/2022	Molybdenum, dissolved	15	Detect	µg/L	No
MW-90-031	11/14/2023	Molybdenum, dissolved	8.3	Detect	µg/L	No
MW-90-031	10/30/2024	Molybdenum, dissolved	8.2	Detect	µg/L	No
MW-90-031	12/10/2025	Molybdenum, dissolved	15	Detect	µg/L	No
MW-90-031	3/4/2022	Nitrate as Nitrogen	0.66	Detect	mg/L	No
MW-90-031	5/5/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	8/19/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	11/16/2022	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	2/22/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	5/23/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	8/16/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	11/14/2023	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	2/21/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	4/9/2024	Nitrate as Nitrogen	0.65	Detect	mg/L	No
MW-90-031	8/22/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	10/30/2024	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	2/19/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	5/22/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	8/21/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	12/10/2025	Nitrate as Nitrogen	0.5	Non-Detect	mg/L	No
MW-90-031	5/25/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-90-031	8/18/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-90-031	12/8/2021	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-90-031	11/16/2022	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-90-031	11/14/2023	Selenium, dissolved	0.62	Detect	µg/L	No
MW-90-031	2/21/2024	Selenium, dissolved	2.5	Non-Detect	µg/L	No
MW-90-031	10/30/2024	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-90-031	12/10/2025	Selenium, dissolved	0.5	Non-Detect	µg/L	No
MW-95-113	2/25/2021	Molybdenum, dissolved	4.2	Detect	µg/L	No
MW-95-113	5/19/2021	Molybdenum, dissolved	4.1	Detect	µg/L	No
MW-95-113	8/25/2021	Molybdenum, dissolved	4	Detect	µg/L	No
MW-95-113	12/8/2021	Molybdenum, dissolved	4.3	Detect	µg/L	No
MW-95-113	12/8/2022	Molybdenum, dissolved	4.2	Detect	µg/L	No
MW-95-113	12/14/2023	Molybdenum, dissolved	4.3	Detect	µg/L	No
MW-95-113	11/25/2024	Molybdenum, dissolved	3.8	Detect	µg/L	No
MW-95-113	12/18/2025	Molybdenum, dissolved	3.5	Detect	µg/L	No
MW-95-113	12/8/2022	Nitrate as Nitrogen	4.9	Detect	mg/L	No
MW-95-113	12/14/2023	Nitrate as Nitrogen	5.5	Detect	mg/L	No
MW-95-113	11/25/2024	Nitrate as Nitrogen	5.8	Detect	mg/L	No
MW-95-113	12/18/2025	Nitrate as Nitrogen	5.3	Detect	mg/L	No
MW-95-113	2/25/2021	Nitrate/Nitrite as Nitrogen	5.7	Detect	mg/L	No
MW-95-113	5/19/2021	Nitrate/Nitrite as Nitrogen	5.6	Detect	mg/L	No
MW-95-113	8/25/2021	Nitrate/Nitrite as Nitrogen	6.2	Detect	mg/L	No
MW-95-113	12/8/2021	Nitrate/Nitrite as Nitrogen	6.1	Detect	mg/L	No
MW-95-113	12/8/2022	Nitrate/Nitrite as Nitrogen	6	Detect	mg/L	No
MW-95-113	12/14/2023	Nitrate/Nitrite as Nitrogen	6.2	Detect	mg/L	No

Table E-2
Groundwater Analytical Dataset
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Location ID	Sample Date	Constituent	Result	Detect or Non-Detect	Units	Exceedance of 2025 COPC Trigger Level?
MW-95-113	11/25/2024	Nitrate/Nitrite as Nitrogen	6.1	Detect	mg/L	No
MW-95-113	12/18/2025	Nitrate/Nitrite as Nitrogen	5.4	Detect	mg/L	No
MW-95-113	2/25/2021	Selenium, dissolved	4.8	Detect	µg/L	No
MW-95-113	5/19/2021	Selenium, dissolved	5	Detect	µg/L	No
MW-95-113	8/25/2021	Selenium, dissolved	4.7	Detect	µg/L	No
MW-95-113	12/8/2021	Selenium, dissolved	5.3	Detect	µg/L	No
MW-95-113	12/8/2022	Selenium, dissolved	5.1	Detect	µg/L	No
MW-95-113	12/14/2023	Selenium, dissolved	5.1	Detect	µg/L	No
MW-95-113	11/25/2024	Selenium, dissolved	4.9	Detect	µg/L	No
MW-95-113	12/18/2025	Selenium, dissolved	4.2	Detect	µg/L	No
MW-95-157	2/25/2021	Molybdenum, dissolved	5	Detect	µg/L	No
MW-95-157	5/19/2021	Molybdenum, dissolved	4.8	Detect	µg/L	No
MW-95-157	8/25/2021	Molybdenum, dissolved	4.1	Detect	µg/L	No
MW-95-157	12/8/2021	Molybdenum, dissolved	3.8	Detect	µg/L	No
MW-95-157	12/8/2022	Molybdenum, dissolved	10	Detect	µg/L	No
MW-95-157	12/14/2023	Molybdenum, dissolved	15	Detect	µg/L	No
MW-95-157	11/25/2024	Molybdenum, dissolved	9.1	Detect	µg/L	No
MW-95-157	12/18/2025	Molybdenum, dissolved	5.3	Detect	µg/L	No
MW-95-157	12/8/2022	Nitrate as Nitrogen	5.6	Detect	mg/L	No
MW-95-157	12/14/2023	Nitrate as Nitrogen	6.1	Detect	mg/L	No
MW-95-157	11/25/2024	Nitrate as Nitrogen	7.3	Detect	mg/L	No
MW-95-157	12/18/2025	Nitrate as Nitrogen	8	Detect	mg/L	No
MW-95-157	2/25/2021	Nitrate/Nitrite as Nitrogen	8.9	Detect	mg/L	No
MW-95-157	5/19/2021	Nitrate/Nitrite as Nitrogen	8.7	Detect	mg/L	No
MW-95-157	8/25/2021	Nitrate/Nitrite as Nitrogen	9.3	Detect	mg/L	No
MW-95-157	12/8/2021	Nitrate/Nitrite as Nitrogen	9.5	Detect	mg/L	No
MW-95-157	12/8/2022	Nitrate/Nitrite as Nitrogen	5.8	Detect	mg/L	No
MW-95-157	12/14/2023	Nitrate/Nitrite as Nitrogen	6.7	Detect	mg/L	No
MW-95-157	11/25/2024	Nitrate/Nitrite as Nitrogen	7.7	Detect	mg/L	No
MW-95-157	12/18/2025	Nitrate/Nitrite as Nitrogen	8.6	Detect	mg/L	No
MW-95-157	2/25/2021	Selenium, dissolved	6.3	Detect	µg/L	No
MW-95-157	5/19/2021	Selenium, dissolved	6.7	Detect	µg/L	No
MW-95-157	8/25/2021	Selenium, dissolved	7	Detect	µg/L	No
MW-95-157	12/8/2021	Selenium, dissolved	6.5	Detect	µg/L	No
MW-95-157	12/8/2022	Selenium, dissolved	5.9	Detect	µg/L	No
MW-95-157	12/14/2023	Selenium, dissolved	5.7	Detect	µg/L	No
MW-95-157	11/25/2024	Selenium, dissolved	6.7	Detect	µg/L	No
MW-95-157	12/18/2025	Selenium, dissolved	6.3	Detect	µg/L	No

Notes:

1. Sampling results from 2025 that exceeded the 2025 COPC trigger levels were excluded from the statistical evaluation.
2. Sampling results from 2025 are highlighted in blue.

Acronyms and Abbreviations:

µg/L = microgram per liter
COPC = constituent of potential concern
ID = identification
mg/L = milligram per liter

Table E-4
Statistical Summary of Trend Evaluation
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Monitoring Well	Sample Size	Detections	Detection Frequency (percent)	Mann-Kendall Test (alpha = 0.05)	Mann-Kendall S	Sen's Slope Estimator (units per year)
Upgradient Wells						
MW-14						
Molybdenum, Dissolved	8	8	100%	No Trend	-11	-0.3664
Nitrate as Nitrogen	8	8	100%	Decreasing	-16	-0.1843
Selenium, Dissolved	8	8	100%	No Trend	-5	-0.01008
MW-37S						
Molybdenum, Dissolved	8	8	100%	Decreasing	-18	-0.5487
Nitrate as Nitrogen	8	8	100%	Decreasing	-18	-0.02643
Selenium, Dissolved	8	8	100%	No Trend	12	0.02367
MW-40D						
Molybdenum, Dissolved	8	8	100%	Decreasing	-23	-3.067
Nitrate as Nitrogen	8	5	63%	No Trend	-13	-0.1764
Selenium, Dissolved	8	7	88%	No Trend	-7	-0.07287
MW-40S						
Molybdenum, Dissolved	8	8	100%	No Trend	-6	-0.9436
Nitrate as Nitrogen	8	8	100%	No Trend	-15	-0.04872
Selenium, Dissolved	8	8	100%	No Trend	0	-0.1051
MW-41M						
Molybdenum, Dissolved	8	8	100%	Increasing	19	0.5059
Nitrate as Nitrogen	8	4	50%	Increasing	18	-0.09476
Selenium, Dissolved	8	3	38%	No Trend	-14	n.a.
MW-41S						
Molybdenum, Dissolved	8	8	100%	No Trend	-11	-0.1555
Nitrate as Nitrogen	8	8	100%	Increasing	21	0.1001
Selenium, Dissolved	8	8	100%	Increasing	28	0.1706
MW-89-183						
Molybdenum, Dissolved	8	8	100%	Decreasing	-16	-0.4776
Nitrate as Nitrogen	4	4	100%	No Trend	-6	n.a.
Nitrate/Nitrite as Nitrogen	8	8	100%	No Trend	10	0.03741
Selenium, Dissolved	8	8	100%	No Trend	10	0.09722
MW-89-273						
Molybdenum, Dissolved	8	8	100%	No Trend	9	0.6585
Nitrate as Nitrogen	4	4	100%	No Trend	-6	n.a.
Nitrate/Nitrite as Nitrogen	8	8	100%	No Trend	1	0
Selenium, Dissolved	8	8	100%	No Trend	-3	0
MW-95-113						
Molybdenum, Dissolved	8	8	100%	No Trend	-8	-0.1033
Nitrate as Nitrogen	4	4	100%	No Trend	2	n.a.
Nitrate/Nitrite as Nitrogen	8	8	100%	No Trend	0	0
Selenium, Dissolved	8	8	100%	No Trend	-3	-0.06378
MW-95-157						
Molybdenum, Dissolved	8	8	100%	No Trend	6	0.3251
Nitrate as Nitrogen	4	4	100%	No Trend	6	n.a.
Nitrate/Nitrite as Nitrogen	8	8	100%	No Trend	-6	-0.1927
Selenium, Dissolved	8	8	100%	No Trend	-6	-0.08969

Table E-4
Statistical Summary of Trend Evaluation
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Monitoring Well	Sample Size	Detections	Detection Frequency (percent)	Mann-Kendall Test (alpha = 0.05)	Mann-Kendall S	Sen's Slope Estimator (units per year)
Downgradient Wells						
MW-22						
Molybdenum, Dissolved	8	8	100%	Increasing	19	4.362
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-23-060						
Molybdenum, Dissolved	8	8	100%	No Trend	4	0.4236
Nitrate as Nitrogen	8	8	100%	No Trend	-3	-0.01248
Selenium, Dissolved	8	8	100%	Decreasing	-23	-0.3103
MW-23-080						
Molybdenum, Dissolved	8	8	100%	No Trend	9	0.9013
Nitrate as Nitrogen	8	7	88%	Decreasing	-20	-0.3248
Selenium, Dissolved	8	8	100%	Decreasing	-23	-0.3991
MW-27-060						
Molybdenum, Dissolved	8	8	100%	Increasing	20	0.2525
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-27-085						
Molybdenum, Dissolved	8	8	100%	No Trend	14	1.339
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-32-035						
Molybdenum, Dissolved	8	8	100%	Decreasing	-18	-0.8907
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-33-040						
Molybdenum, Dissolved	8	8	100%	No Trend	-7	-27.16
Nitrate as Nitrogen	8	3	38%	No Trend	8	n.a.
Selenium, Dissolved	8	7	88%	No Trend	-2	-0.1496
MW-33-090						
Molybdenum, Dissolved	8	8	100%	No Trend	0	0.04084
Nitrate as Nitrogen	8	3	38%	No Trend	-10	n.a.
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-33-150						
Molybdenum, Dissolved	8	8	100%	No Trend	-15	-1.688
Nitrate as Nitrogen	8	4	50%	No Trend	13	-0.07211
Selenium, Dissolved	8	7	88%	No Trend	-6	-0.01882
MW-34-055						
Molybdenum, Dissolved	8	8	100%	No Trend	-13	-0.1018
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-34-100						
Molybdenum, Dissolved	8	8	100%	No Trend	-11	-2.133
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-35-060						
Molybdenum, Dissolved	8	8	100%	No Trend	-10	-0.4163
Nitrate as Nitrogen	8	8	100%	No Trend	1	0
Selenium, Dissolved	8	8	100%	No Trend	-13	-0.08951
MW-35-135						
Molybdenum, Dissolved	8	8	100%	Decreasing	-16	-0.8883
Nitrate as Nitrogen	8	7	88%	No Trend	-12	-0.02694
Selenium, Dissolved	8	6	75%	No Trend	-3	0
MW-36-040						
Molybdenum, Dissolved	8	8	100%	No Trend	15	0.2671
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-36-100						
Molybdenum, Dissolved	8	8	100%	Decreasing	-17	-1.121
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-42-030						
Molybdenum, Dissolved	8	8	100%	Decreasing	-18	-3.555
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.

Table E-4
Statistical Summary of Trend Evaluation
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Monitoring Well	Sample Size	Detections	Detection Frequency (percent)	Mann-Kendall Test (alpha = 0.05)	Mann-Kendall S	Sen's Slope Estimator (units per year)
MW-44-070						
Molybdenum, Dissolved	8	8	100%	No Trend	2	0.06534
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-44-125						
Molybdenum, Dissolved	8	8	100%	No Trend	12	28.13
Selenium, Dissolved	8	0	0%	n.a.	n.a.	n.a.
MW-46-175						
Molybdenum, Dissolved	8	8	100%	Decreasing	-17	-11.67
Selenium, Dissolved	8	8	100%	No Trend	-5	-0.01042
MW-90-031						
Molybdenum, Dissolved	8	8	100%	No Trend	-12	-0.7122
Selenium, Dissolved	8	1	13%	n.a.	n.a.	n.a.

Notes:

1. All tests were run at a 0.10 level of significance (two-tailed, 0.05 on each tail).
2. Units are in micrograms per liter for dissolved molybdenum and dissolved selenium and milligrams per liter for nitrate as nitrogen and nitrate/nitrite as nitrogen.
3. Results were not reported for Sen's Slope Estimator if the detection frequency was less than 50% or if fewer than six results were available. Mann-Kendall tests were not conducted if the detection frequency was less than or equal to 20%.

Acronyms and Abbreviations:

COPC = constituent of potential concern

n.a. = not applicable

Table E-5
Wilcoxon–Mann Whitney Results
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well	Analyte	Wilcoxon–Mann Whitney Results ^a				Action
		Background Dataset Sample Size	Compliance Dataset Sample Size	Z Score	Significant Difference?	
Monthly Well–Constituent Pairs						
MW-34-100	Nitrate as Nitrogen	12	12	--	--	All data were non-detects.
MW-36-100	Nitrate as Nitrogen	12	12	-0.06019	No	Calculate new SCL using 12 new data points
MW-44-125	Nitrate as Nitrogen	12	12	--	--	All data were non-detects.
MW-46-175	Nitrate as Nitrogen	12	12	0.6122	No	Calculate new SCL using 12 new data points
MW-71-035	Nitrate as Nitrogen	12	8	2.122	No	Calculate new SCL using eight new data points (four exceedances removed)
Quarterly Well–Constituent Pairs						
MW-22	Nitrate as Nitrogen	12	4	--	--	All data were non-detects.
MW-27-060	Nitrate as Nitrogen	12	4	-0.1054	No	Calculate new SCL replacing the oldest four data points with newest four.
MW-27-085	Nitrate as Nitrogen	12	4	--	--	All data were non-detects.
MW-32-035	Nitrate as Nitrogen	12	4	--	--	All data were non-detects.
MW-34-055	Nitrate as Nitrogen	12	4	-0.1054	No	Calculate new SCL replacing the oldest four data points with newest four.
MW-36-040	Nitrate as Nitrogen	12	4	1.293	No	Calculate new SCL replacing the oldest four data points with newest four.
MW-42-030	Nitrate as Nitrogen	12	4	--	--	All data were non-detects.
MW-44-070	Nitrate as Nitrogen	12	4	1.976	No	Calculate new SCL replacing the oldest four data points with newest four.
MW-71-035	Molybdenum, Dissolved	12	4	1.403	No	Calculate new SCL replacing the oldest four data points with newest four.
	Selenium, Dissolved	12	4	2.365	Yes	Use previously calculated SCL and re-evaluate next year
MW-90-031	Nitrate as Nitrogen	12	4	-0.9487	No	Calculate new SCL replacing the oldest four data points with newest four.

Note:

^a Data were considered significantly different at a significance level of 0.01 (99%).

Acronyms and Abbreviations:

-- = not applicable

COPC = constituent of potential concern

SCL = Shewhart control limit

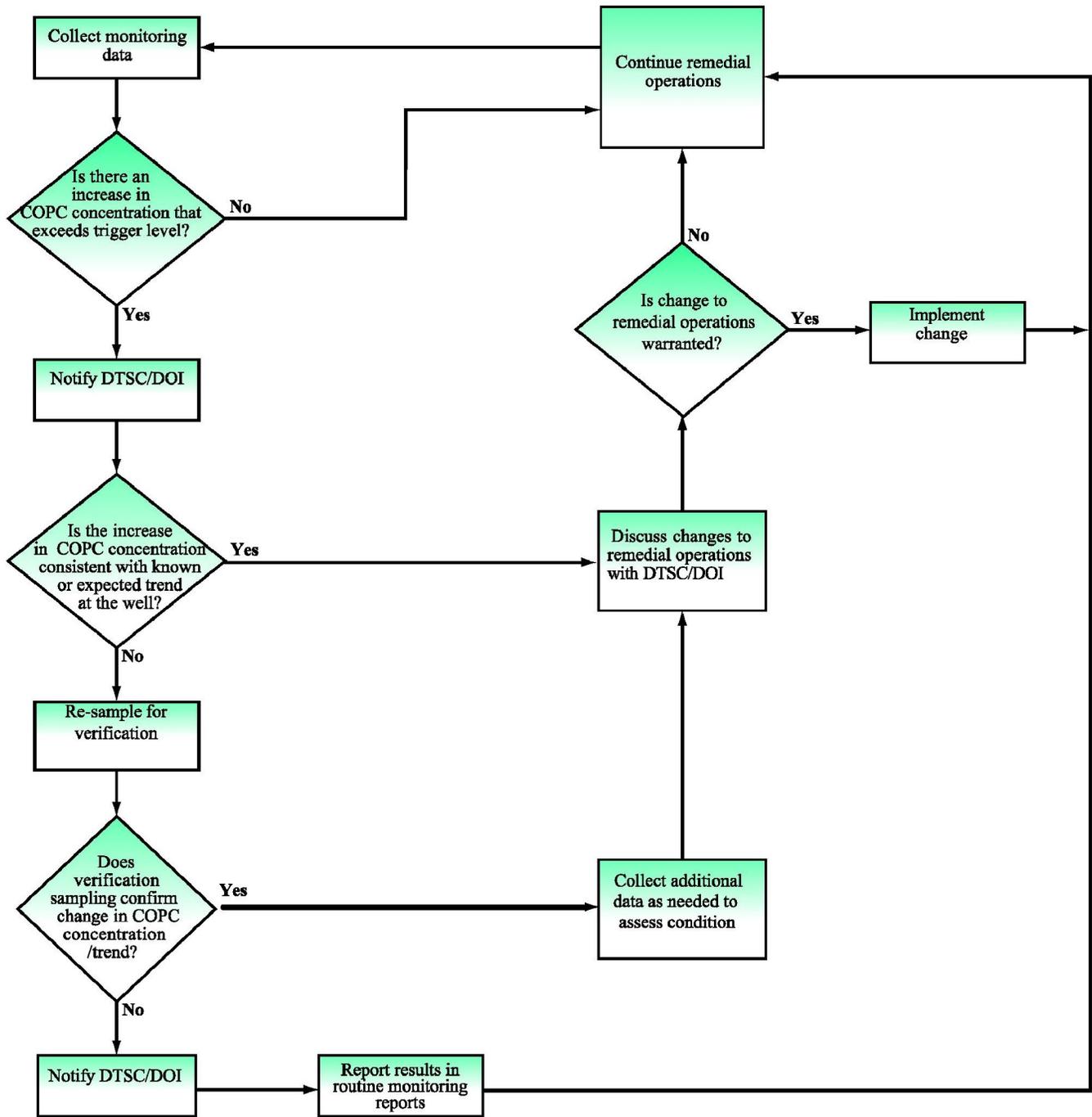
Table E-6
Shewhart Control Limits
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well	Analyte	Sample Size	Detects	FOD	Summary Statistics ^a						Distribution ^c	SCL Basis ^d	Final SCL ^{d,e}	
					Min Detect	Max Detect	Min ND	Max ND	Mean ^b	Median				SD ^b
MW-14	Molybdenum, dissolved	8	8	100%	8.1	13	NA	NA	10	9.8	1.8	Normal	Normal SCL	19
	Nitrate as Nitrogen	8	8	100%	2.7	6.4	NA	NA	4.2	4.0	1.5	Normal	Normal SCL	12
	Selenium, dissolved	8	8	100%	1.8	2.1	NA	NA	1.9	1.9	0.11	Normal	Normal SCL	2.5
MW-22	Molybdenum, dissolved	8	8	100%	28	59	NA	NA	43	39.5	12	Normal	Normal SCL	100
	Nitrate as Nitrogen	12	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
	Selenium, dissolved	8	0	0%	NA	NA	0.50	2.5	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-23-060	Molybdenum, dissolved	8	8	100%	21	31	NA	NA	24	23.5	3.3	Normal	Normal SCL	40
	Nitrate as Nitrogen	8	8	100%	3.6	5.1	NA	NA	4.3	4.3	0.59	Normal	< 8 Samples	7.2
	Selenium, dissolved	8	8	100%	3.2	5.9	NA	NA	4.7	4.75	0.88	Normal	Normal SCL	8.2
MW-23-080	Molybdenum, dissolved	8	8	100%	34	57	NA	NA	47	46.5	6.4	Normal	Normal SCL	78
	Nitrate as Nitrogen	7	7	100%	3.9	6.82	NA	NA	5.6	5.7	1.1	Normal	Normal SCL ^f	11
	Selenium, dissolved	8	8	100%	0.69	5.3	NA	NA	NA	4.75	NA	Nonparametric	Max Detect (distribution)	5.3
MW-27-060	Molybdenum, dissolved	8	8	100%	3.9	6	NA	NA	4.8	4.65	0.74	Normal	Normal SCL	7.3
	Nitrate as Nitrogen	12	1	8%	0.36	0.36	0.25	0.25	NA	0.25	NA	Nonparametric	Max Detect (%NDs > 50%)	0.36
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-27-085	Molybdenum, dissolved	8	8	100%	16	29	NA	NA	21	21.5	4.4	Normal	Normal SCL	43
	Nitrate as Nitrogen	12	0	0%	NA	NA	0.25	0.25	NA	NA	NA	Unknown	%NDs = 100%	DQR
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-32-035	Molybdenum, dissolved	8	8	100%	6.9	14	NA	NA	11	12	2.5	Normal	Normal SCL	22
	Nitrate as Nitrogen	12	0	0%	NA	NA	0.25	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-33-040	Molybdenum, dissolved	8	8	100%	120	440	NA	NA	6.0	160	1.1	Cube Root Normal	Normal SCL	1500
	Nitrate as Nitrogen	8	3	38%	0.28	0.38	0.25	2.5	NA	0.69	NA	Nonparametric	Max Detect (%NDs > 50%)	DQR ^g
	Selenium, dissolved	8	7	88%	0.52	11	0.50	0.50	1.5	1.40	0.94	Square Root Normal	Normal SCL	38
MW-33-090	Molybdenum, dissolved	8	8	100%	7.0	11	NA	NA	8.8	8.6	1.2	Normal	Normal SCL	15
	Nitrate as Nitrogen	8	3	38%	0.98	1.6	0.25	2.5	NA	1.2	NA	Nonparametric	Max Detect (%NDs > 50%)	DQR ^g
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-33-150	Molybdenum, dissolved	8	8	100%	37	48	NA	NA	41	40	4.0	Normal	Normal SCL	61
	Nitrate as Nitrogen	8	4	50%	1.5	1.7	2.5	2.5	NA	2.1	NA	Nonparametric	Max Detect (distribution)	DQR ^g
	Selenium, dissolved	8	7	88%	0.61	0.83	0.50	0.50	0.47	0.72	0.20	Squared Normal	Normal SCL	1.2
MW-34-055	Molybdenum, dissolved	8	8	100%	4.1	5.4	NA	NA	4.6	4.6	0.49	Normal	Normal SCL	7.0
	Nitrate as Nitrogen	12	1	8%	0.38	0.38	0.25	0.25	NA	0.25	NA	Nonparametric	Max Detect (%NDs > 50%)	0.38
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-34-100	Molybdenum, dissolved	8	8	100%	47	65	NA	NA	56	55	5.9	Normal	Normal SCL	86
	Nitrate as Nitrogen	12	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-35-060	Molybdenum, dissolved	8	8	100%	8.8	15	NA	NA	10	9.35	2.1	Normal	Normal SCL	21
	Nitrate as Nitrogen	8	8	100%	1.8	2.1	NA	NA	1.9	1.9	0.092	Normal	Normal SCL	2.4
	Selenium, dissolved	8	8	100%	0.92	1.5	NA	NA	1.1	1.0	0.20	Normal	Normal SCL	2.1
MW-35-135	Molybdenum, dissolved	8	8	100%	3.5	21	NA	NA	NA	20	NA	Nonparametric	Max Detect (distribution)	22
	Nitrate as Nitrogen	8	7	88%	2.3	3.0	0.50	0.50	15	2.5	7.5	Cubed Normal	Normal SCL	3.7
	Selenium, dissolved	8	6	75%	0.92	1.1	0.50	0.50	0.84	1	0.45	Cubed Normal	Normal SCL	1.4
MW-36-040	Molybdenum, dissolved	8	8	100%	2.4	4.6	NA	NA	3.7	3.5	0.79	Normal	Normal SCL	7.6
	Nitrate as Nitrogen	12	1	8%	0.34	0.34	0.050	0.25	NA	0.25	NA	Nonparametric	Max Detect (%NDs > 50%)	0.34
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-36-100	Molybdenum, dissolved	8	8	100%	13	21	NA	NA	17	18.5	3.0	Normal	Normal SCL	31
	Nitrate as Nitrogen	12	1	8%	0.61	0.61	0.25	0.50	NA	0.50	NA	Nonparametric	Max Detect (%NDs > 50%)	0.61
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-37S	Molybdenum, dissolved	8	8	100%	11	16	NA	NA	14	13.5	1.7	Normal	Normal SCL	22
	Nitrate as Nitrogen	8	8	100%	1.2	1.8	NA	NA	1.5	1.5	0.23	Normal	Normal SCL	2.7
	Selenium, dissolved	8	8	100%	0.70	1.0	NA	NA	0.83	0.81	0.093	Normal	Normal SCL	1.3

Table E-6
Shewhart Control Limits
Appendix E COPC Perimeter Assessment Plan Methodology
Fourth Quarter 2025 Quarterly Progress Report
Pacific Gas and Electric Company, Topock Compressor Station, Needles, California

Well	Analyte	Sample Size	Detects	FOD	Summary Statistics ^a							Distribution ^c	SCL Basis ^d	Final SCL ^{d,e}
					Min Detect	Max Detect	Min ND	Max ND	Mean ^b	Median	SD ^b			
MW-40D	Molybdenum, dissolved	8	8	100%	25	49	NA	NA	35	34	8.1	Normal	Normal SCL	76
	Nitrate as Nitrogen	8	5	63%	0.56	3.5	0.25	2.5	1.7	2.6	1.4	Normal	Normal SCL	8.7
	Selenium, dissolved	8	7	88%	0.64	1.8	0.50	0.50	0.91	0.84	0.44	Normal	Normal SCL	3.1
MW-40S	Molybdenum, dissolved	8	8	100%	5.2	32	NA	NA	14	7.2	11	Normal	Normal SCL	69
	Nitrate as Nitrogen	8	8	100%	3.7	5.5	NA	NA	4.2	4.1	0.63	Normal	Normal SCL	7.4
	Selenium, dissolved	8	8	100%	1.8	11	NA	NA	1.2	2.4	0.65	Lognormal	Normal SCL	80
MW-41M	Molybdenum, dissolved	8	8	100%	24	28	NA	NA	27	27	1.3	Normal	Normal SCL	33
	Nitrate as Nitrogen	8	4	50%	0.51	0.69	1.0	2.5	NA	0.8	NA	Nonparametric	Max Detect (distribution)	DQR ^g
	Selenium, dissolved	8	3	38%	0.53	0.72	0.50	0.5	NA	0.50	NA	Nonparametric	Max Detect (%NDs > 50%)	0.72
MW-41S	Molybdenum, dissolved	8	8	100%	12	14	NA	NA	13	13	0.71	Normal	Normal SCL	16
	Nitrate as Nitrogen	8	8	100%	1.2	2.8	NA	NA	5.1	2.5	2.7	Squared Normal	Normal SCL	4.3
	Selenium, dissolved	8	8	100%	1.7	2.9	NA	NA	2.2	2.25	0.42	Normal	Normal SCL	4.3
MW-42-030	Molybdenum, dissolved	8	8	100%	4.6	27	NA	NA	13	10.1	8.8	Normal	Normal SCL	64
	Nitrate as Nitrogen	12	0	0%	NA	NA	0.050	0.25	NA	NA	NA	Unknown	%NDs = 100%	DQR
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-44-070	Molybdenum, dissolved	8	8	100%	6.3	11	NA	NA	8.4	8.5	1.4	Normal	Normal SCL	15
	Nitrate as Nitrogen	12	1	8%	0.64	0.64	0.10	0.50	NA	0.375	NA	Nonparametric	Max Detect (%NDs > 50%)	0.64
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-44-125	Molybdenum, dissolved	8	8	100%	10	230	NA	NA	110	125	82	Normal	Normal SCL	520
	Nitrate as Nitrogen	12	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
	Selenium, dissolved	8	0	0%	NA	NA	0.50	0.50	NA	NA	NA	Unknown	%NDs = 100%	DQR
MW-46-175	Molybdenum, dissolved	8	8	100%	140	210	NA	NA	180	180	27	Normal	Normal SCL	300
	Nitrate as Nitrogen	12	12	100%	0.79	1.9	NA	NA	1.2	1.1	0.28	Normal	Normal SCL	2.6
	Selenium, dissolved	8	8	100%	0.51	0.79	NA	NA	0.60	0.565	0.090	Normal	Normal SCL	1.1
MW-71-035	Molybdenum, dissolved	12	12	100%	19	42	NA	NA	2.9	25.5	0.21	Cube Root Normal	Normal SCL	63
	Nitrate as Nitrogen	8	8	100%	4.0	9	NA	NA	7.0	7.25	1.8	Normal	Normal SCL	16
	Selenium, dissolved	12	12	100%	0.64	6	NA	NA	3.7	4.20	2.1	Normal	Normal SCL	13
MW-89-183	Molybdenum, dissolved	8	8	100%	5.6	9.7	NA	NA	7.3	7.15	1.3	Normal	Normal SCL	14
	Nitrate as Nitrogen	4	4	100%	2.9	3.9	NA	NA	NA	3.15	NA	< 8 samples	< 8 Samples	NC
	Nitrate/Nitrite as Nitrogen	8	8	100%	2.6	2.9	NA	NA	2.8	2.8	0.11	Normal	Normal SCL	3.3
	Selenium, dissolved	8	8	100%	2.2	3.2	NA	NA	2.8	2.75	0.33	Normal	Normal SCL	4.4
MW-89-273	Molybdenum, dissolved	8	8	100%	32	39	NA	NA	35	35.5	2.3	Normal	Normal SCL	47
	Nitrate as Nitrogen	4	4	100%	2.7	4.0	NA	NA	NA	3.1	NA	< 8 samples	< 8 Samples	NC
	Nitrate/Nitrite as Nitrogen	8	8	100%	2.7	2.8	NA	NA	2.8	2.8	0.052	Normal	Normal SCL	3.1
	Selenium, dissolved	8	8	100%	3.4	3.7	NA	NA	3.6	3.6	0.099	Normal	Normal SCL	4.1
MW-90-031	Molybdenum, dissolved	8	8	100%	8.2	18	NA	NA	14	15	3.6	Normal	Normal SCL	32
	Nitrate as Nitrogen	12	1	8%	0.65	0.65	0.50	0.50	NA	0.50	NA	Nonparametric	Max Detect (%NDs > 50%)	0.65
	Selenium, dissolved	8	1	13%	0.62	0.62	0.50	2.5	NA	0.50	NA	Nonparametric	Max Detect (%NDs > 50%)	DQR ^g
MW-95-113	Molybdenum, dissolved	8	8	100%	3.5	4.3	NA	NA	4.1	4.15	0.28	Normal	Normal SCL	5.4
	Nitrate as Nitrogen	4	4	100%	4.9	5.8	NA	NA	NA	5.4	NA	< 8 samples	< 8 Samples	NC
	Nitrate/Nitrite as Nitrogen	8	8	100%	5.4	6.2	NA	NA	5.9	6.05	0.30	Normal	Normal SCL	7.4
	Selenium, dissolved	8	8	100%	4.2	5.3	NA	NA	4.9	4.95	0.34	Normal	Normal SCL	6.6
MW-95-157	Molybdenum, dissolved	8	8	100%	3.8	15	NA	NA	7.1	5.15	3.9	Normal	Normal SCL	27
	Nitrate as Nitrogen	4	4	100%	5.6	8.0	NA	NA	NA	6.7	NA	< 8 samples	< 8 Samples	NC
	Nitrate/Nitrite as Nitrogen	8	8	100%	5.8	9.5	NA	NA	8.2	8.65	1.3	Normal	Normal SCL	15
	Selenium, dissolved	8	8	100%	5.7	7.0	NA	NA	6.4	6.4	0.43	Normal	Normal SCL	8.5

Figures



Notes:

1. Notification will be provided within 5 days following receipt of validated laboratory results.
2. Re-sampling to occur within 45 days of receipt of validated laboratory results.
3. Data needed to assess trend or condition may include increased sampling frequency at triggered well, increased sampling at adjacent wells (i.e., lateral, vertical), or collection of additional data to assess change in geochemical conditions.
4. Assess the gradient direction near the triggered well and evaluate potential for remedial measure optimization accordingly. Optimization may include change to pumping or injection rates.
5. Changes to manage constituents of potential concern (COPCs) will be balanced against optimization for chromium removal.
6. DTSC = California Department of Toxic Substances Control
7. DOI = U.S. Department of the Interior

FOURTH QUARTER 2025
 QUARTERLY PROGRESS REPORT
 PG&E TOPOCK COMPRESSOR STATION
 NEEDLES, CALIFORNIA

COPC PERIMETER ASSESSMENT PLAN

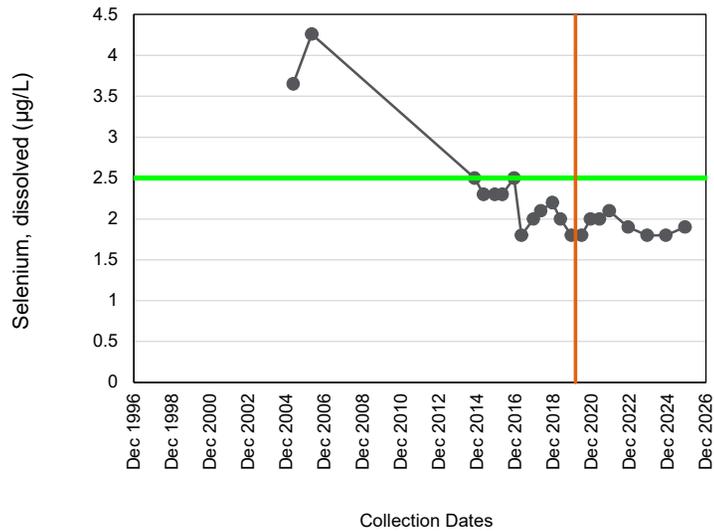
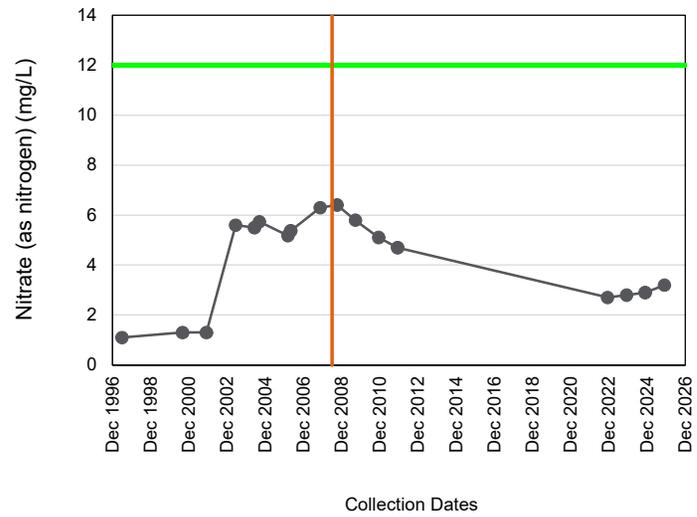
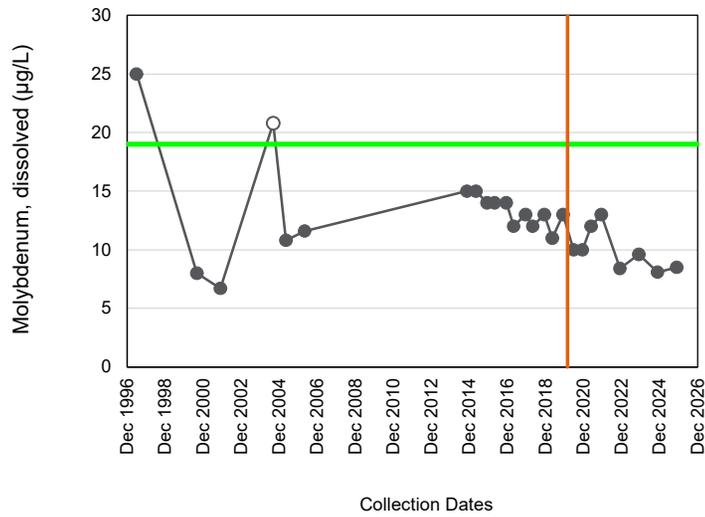


FIGURE
E-2

Attachment E-1

Concentration Time-Series Charts

Location: **MW-14**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

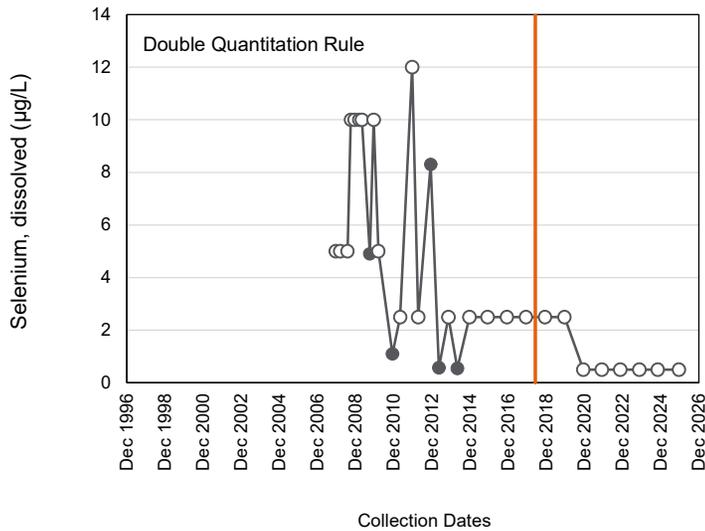
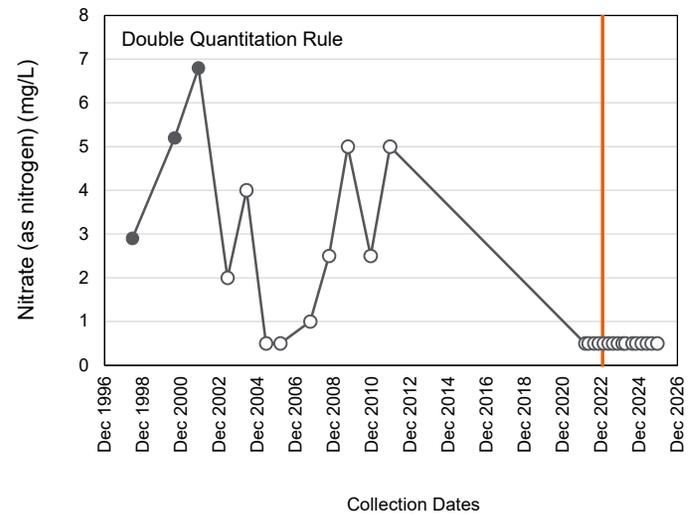
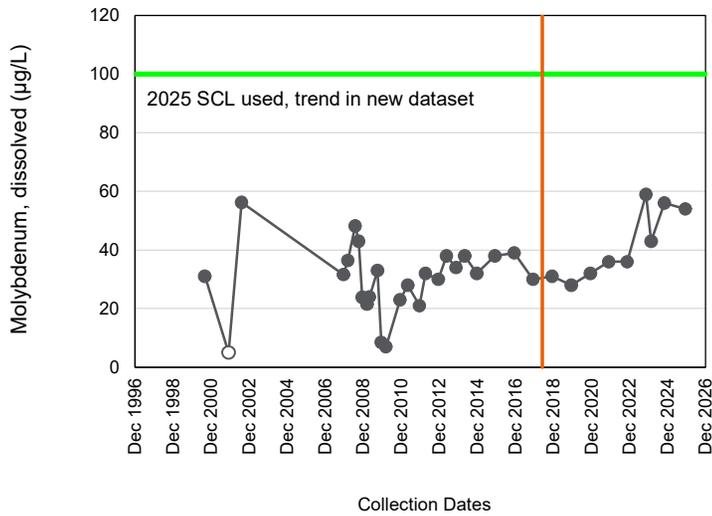
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CONCENTRATION TIME-SERIES CHARTS



**FIGURE
E-1-1**

Location: **MW-22**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

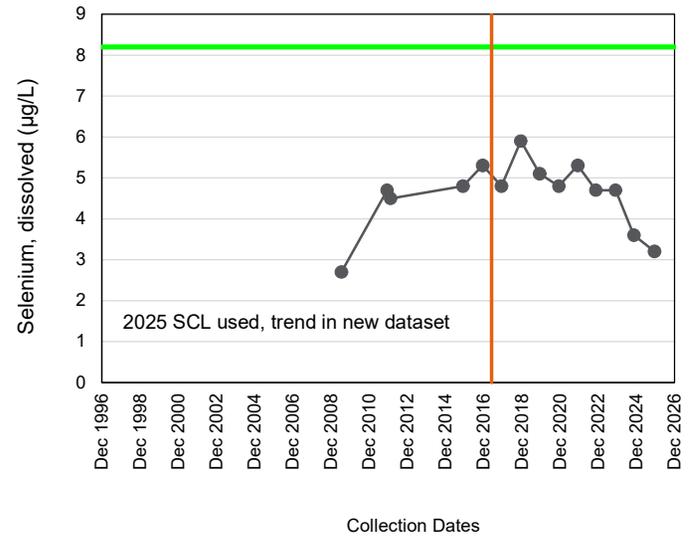
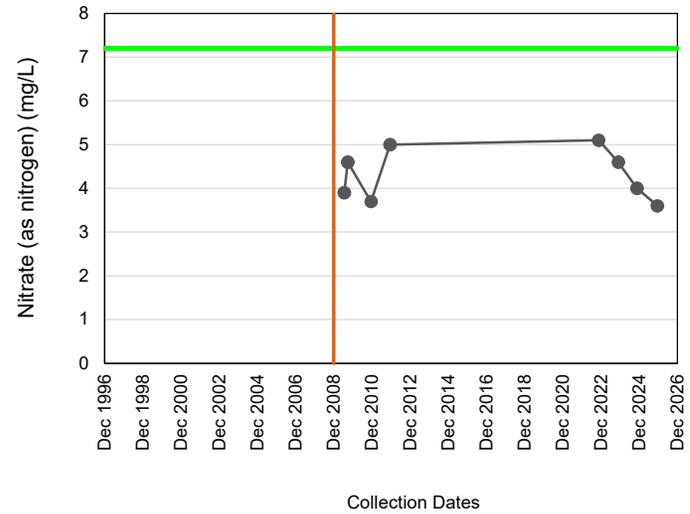
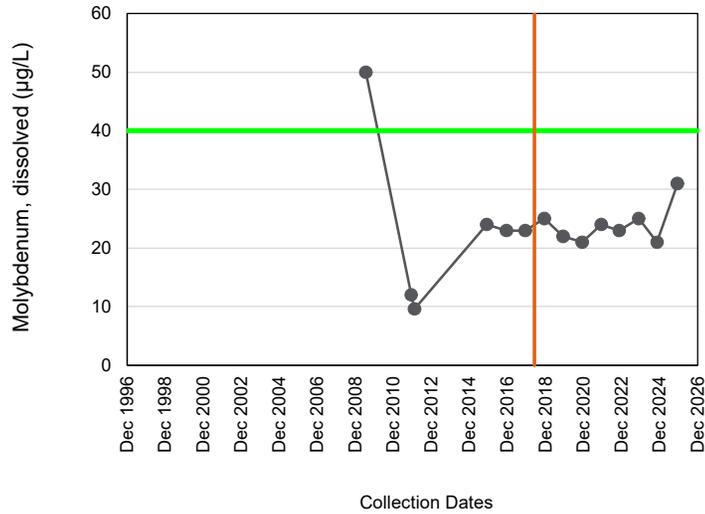
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-2

Location: **MW-23-060**



Notes:

- 1. Detected results are indicated by a full circle.
- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

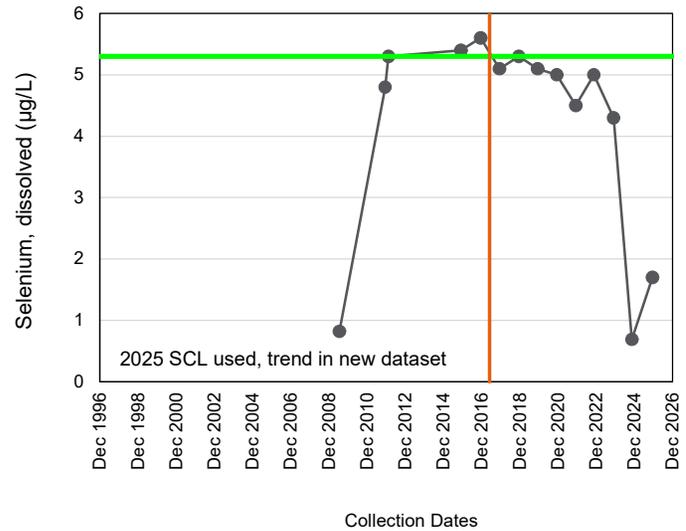
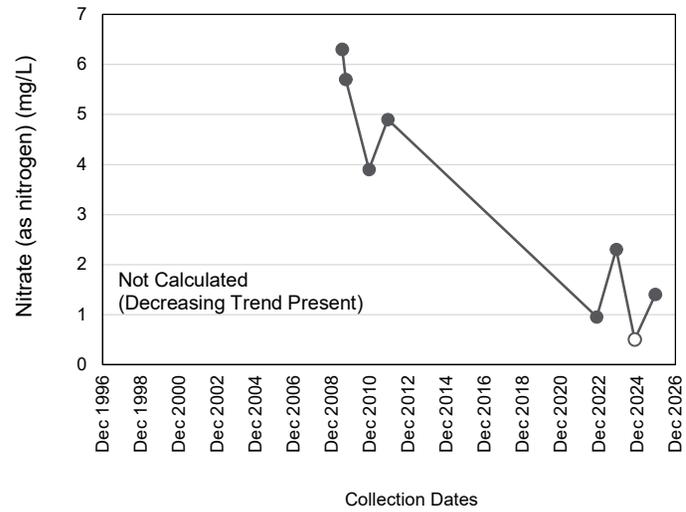
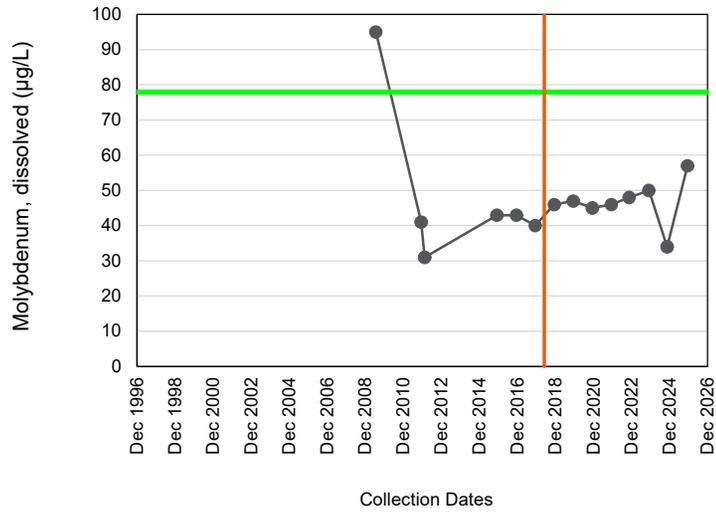
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-3

Location: **MW-23-080**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

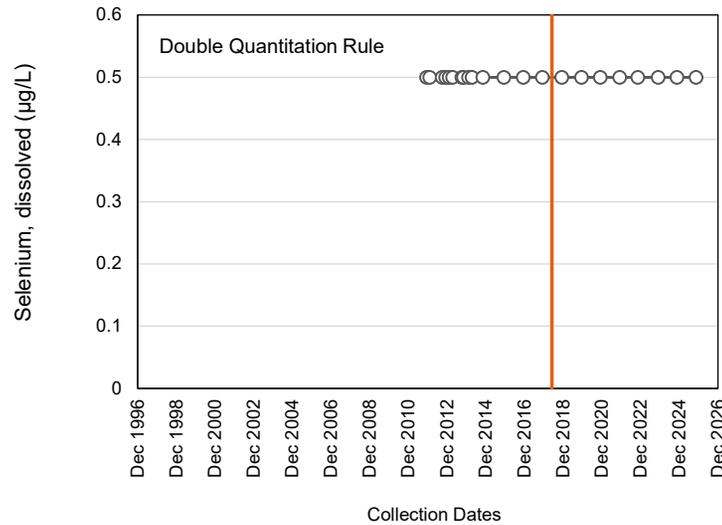
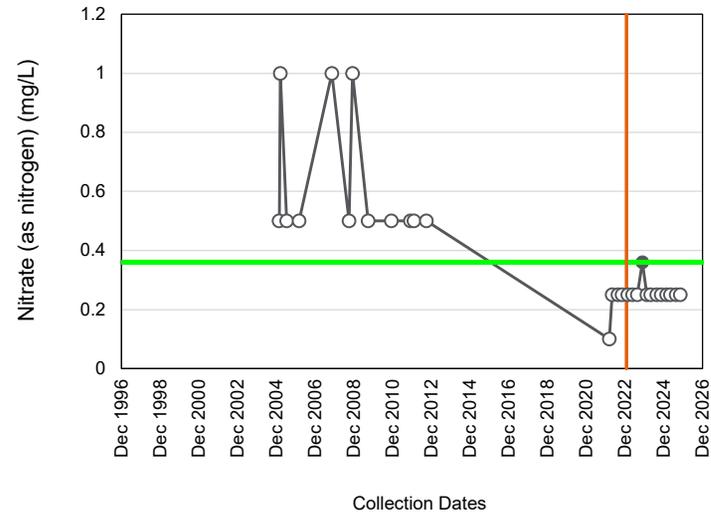
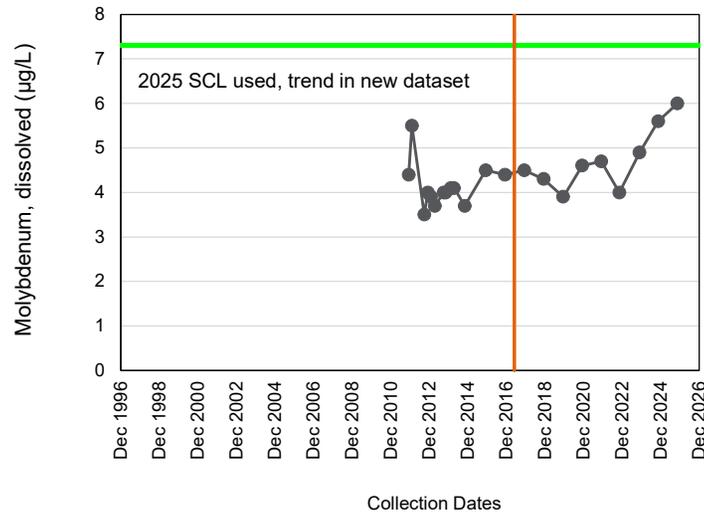
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CONCENTRATION TIME-SERIES CHARTS



**FIGURE
E-1-4**

Location: **MW-27-060**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

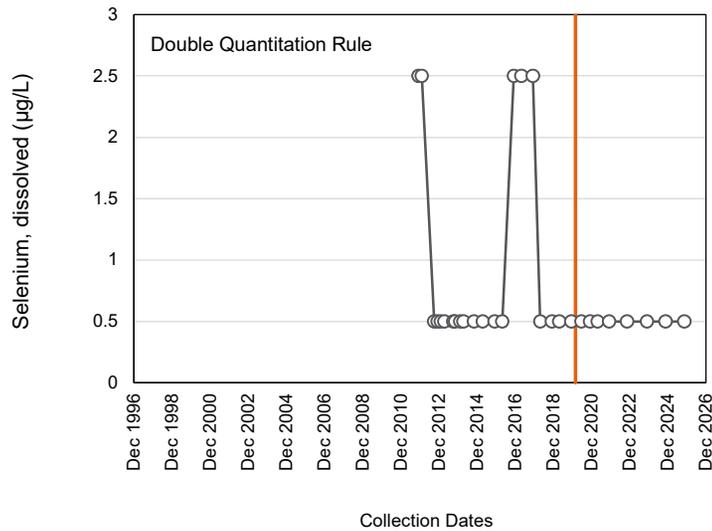
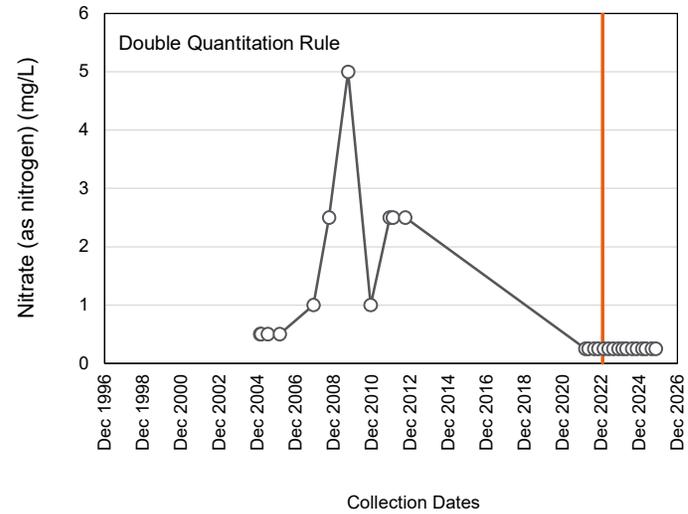
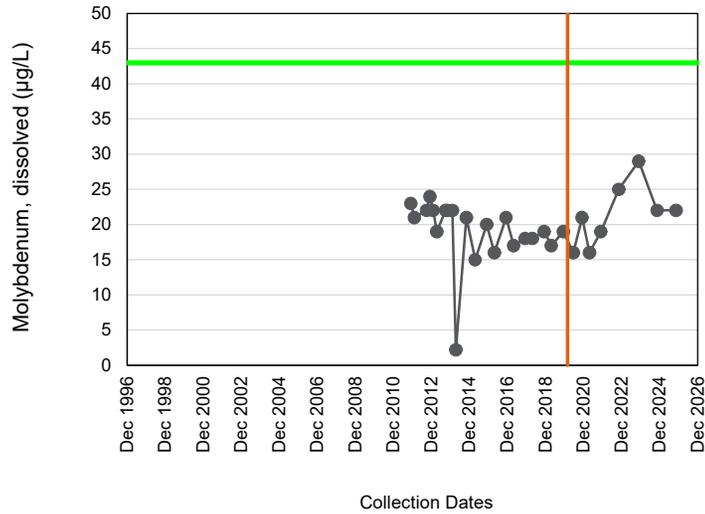
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CONCENTRATION TIME-SERIES CHARTS



**FIGURE
E-1-5**

Location: **MW-27-085**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

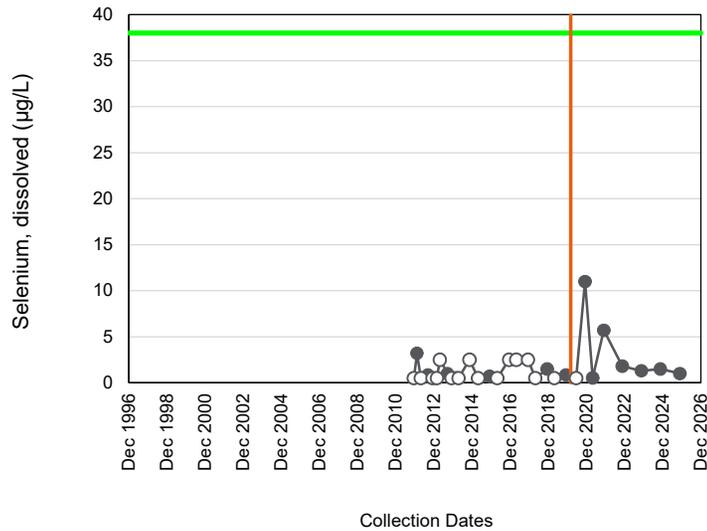
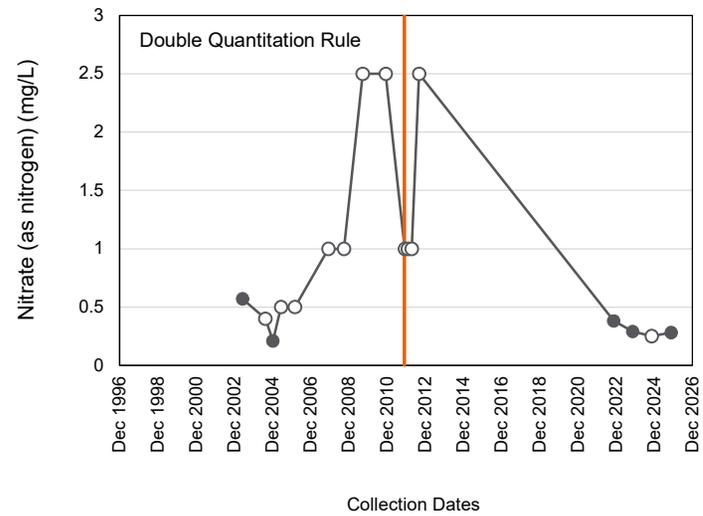
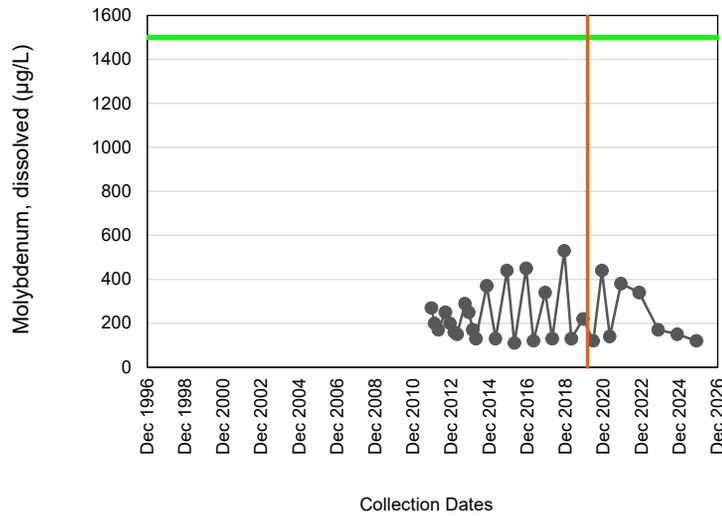
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-6

Location: **MW-33-040**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

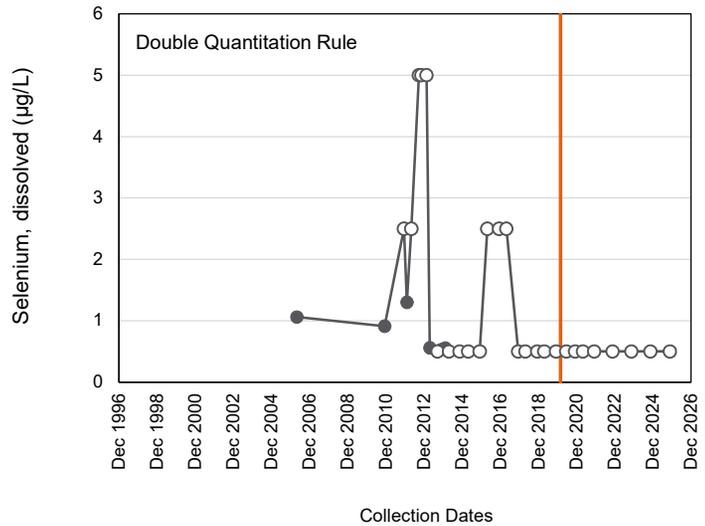
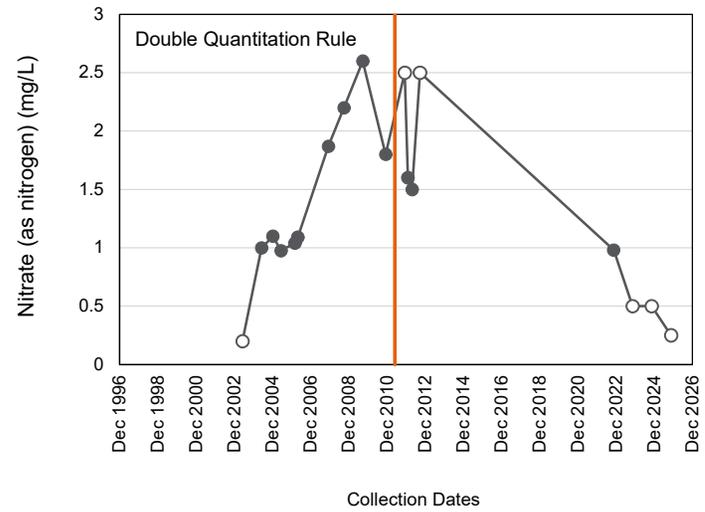
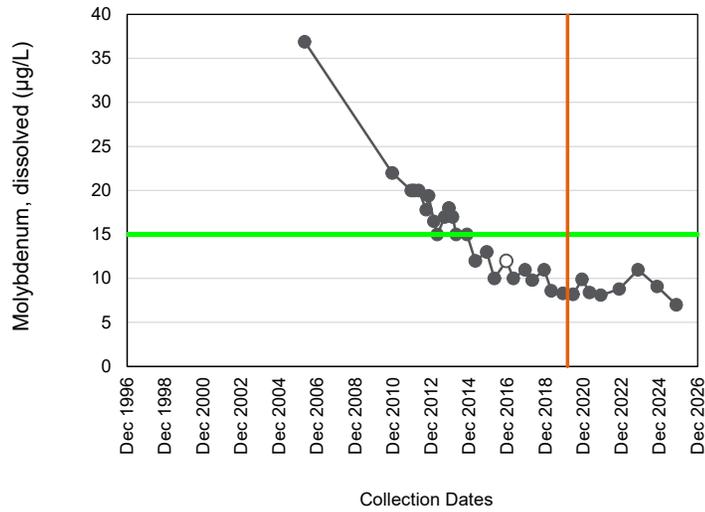
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-8

Location: **MW-33-090**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

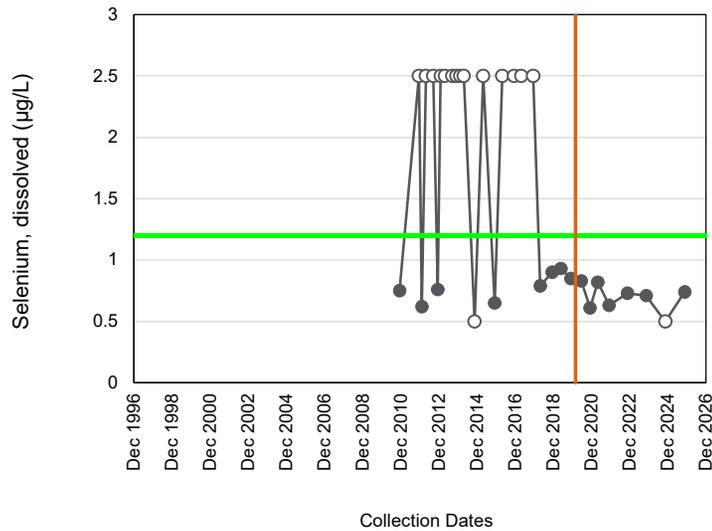
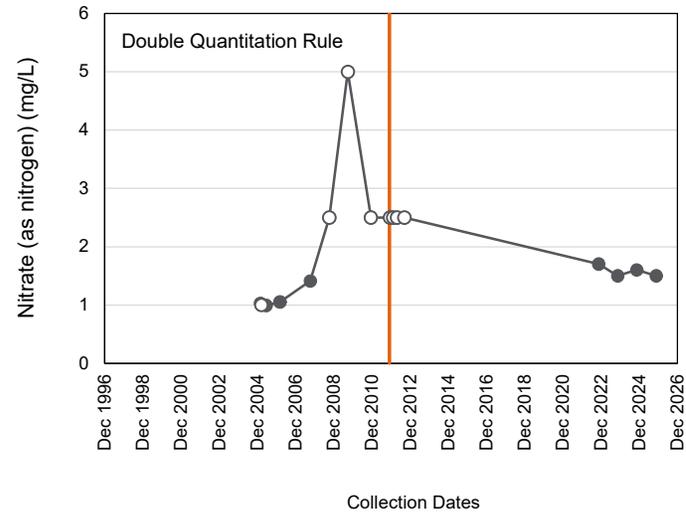
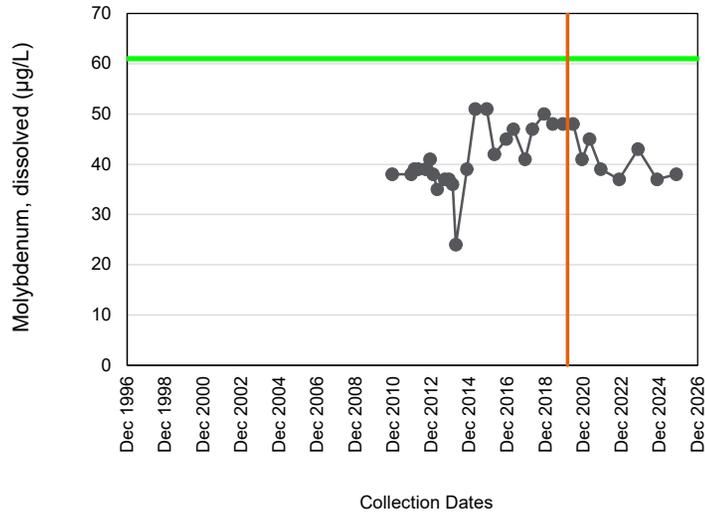
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CONCENTRATION TIME-SERIES CHARTS



**FIGURE
E-1-9**

Location: **MW-33-150**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

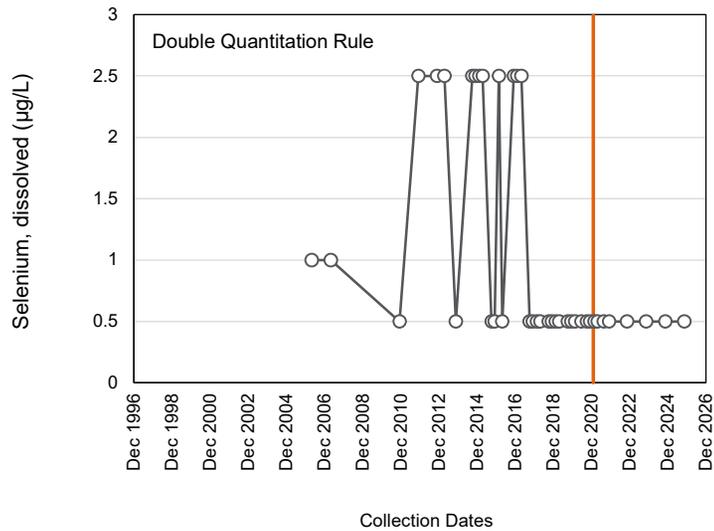
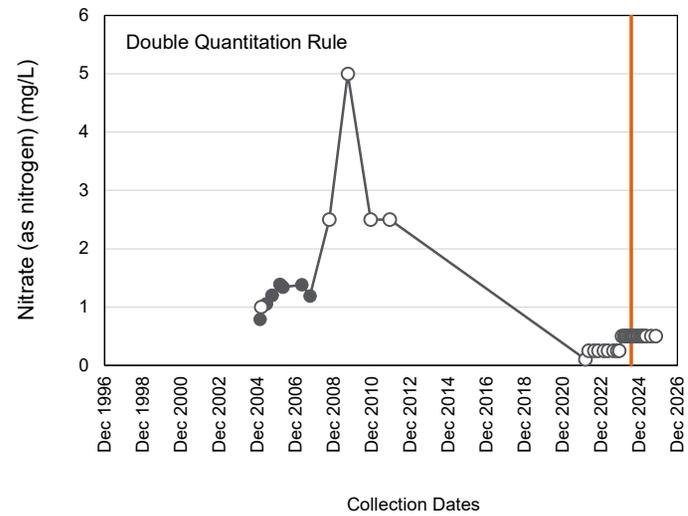
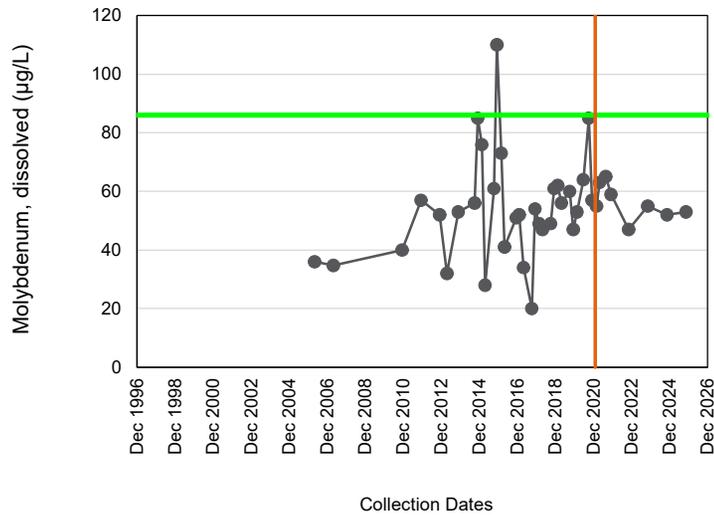
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-10

Location: **MW-34-100**



Notes:

- 1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.
- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

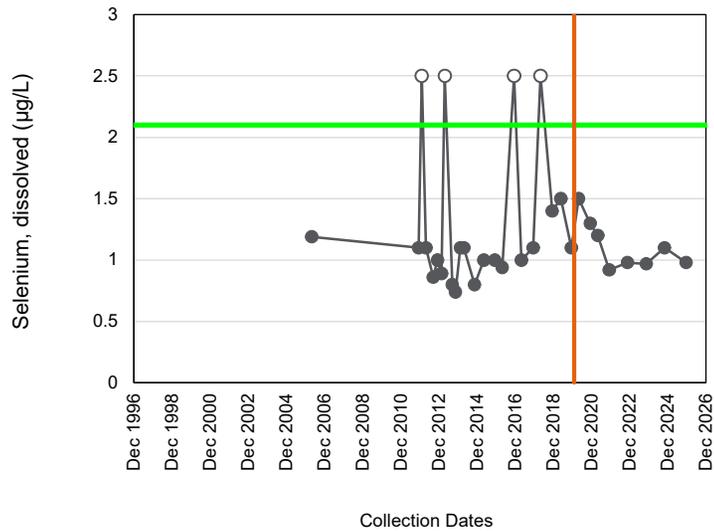
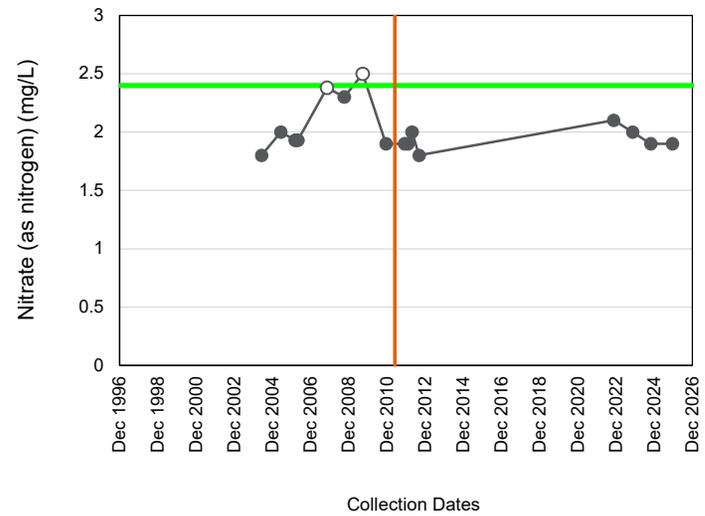
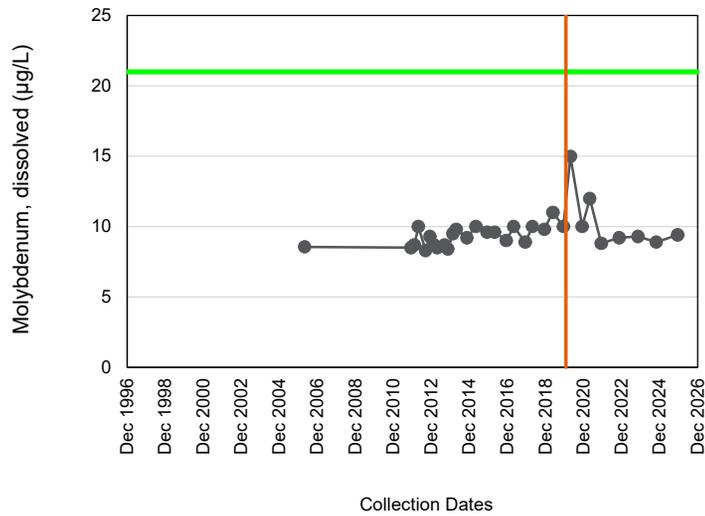
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-12

Location: **MW-35-060**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

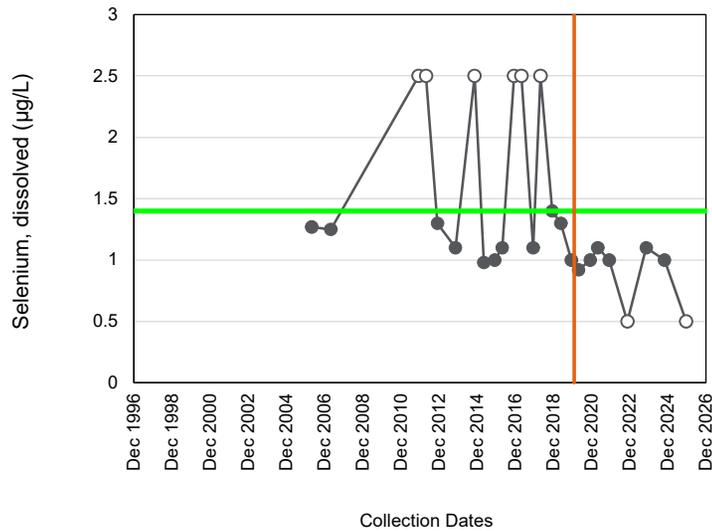
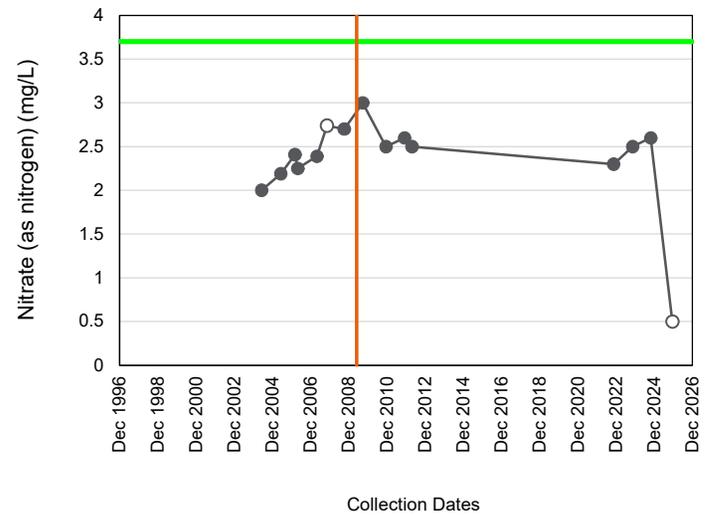
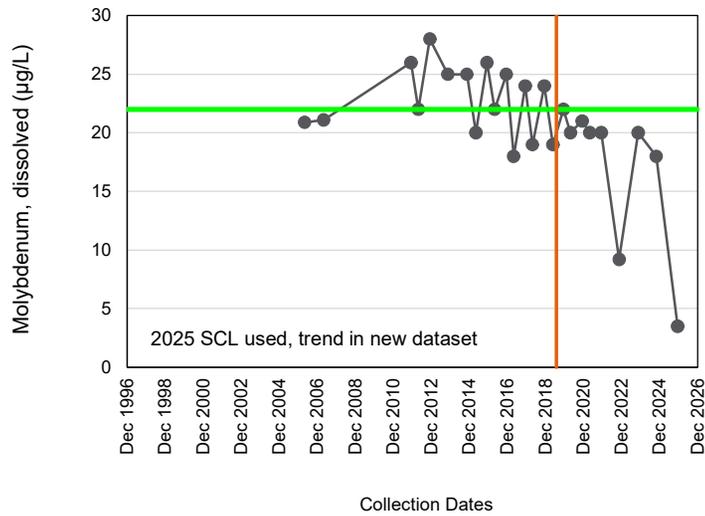
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-13

Location: **MW-35-135**



Notes:

- 1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.
- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

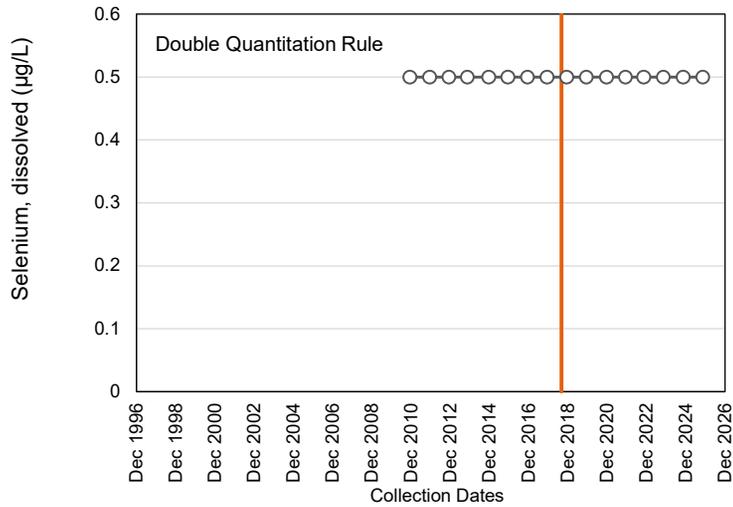
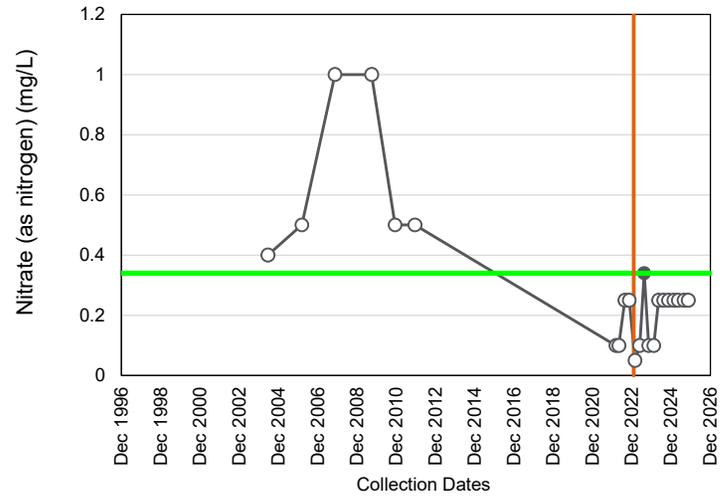
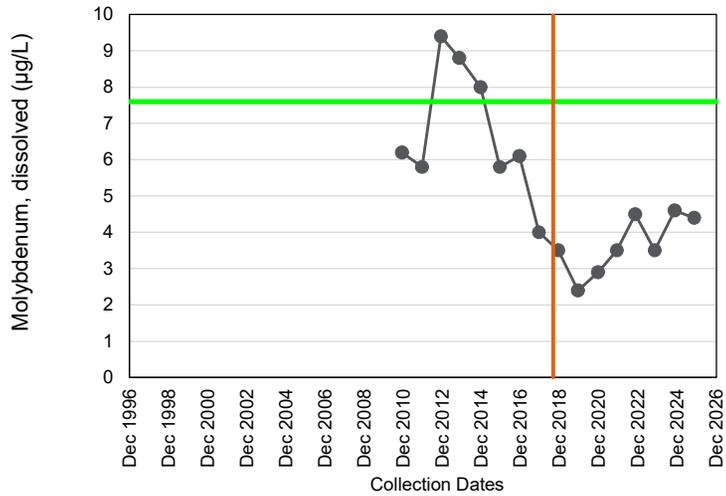
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FIGURE
E-1-14

Location: **MW-36-040**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

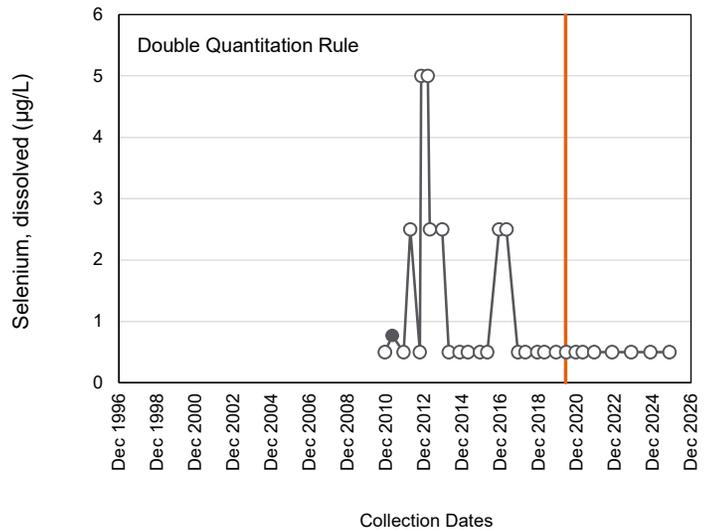
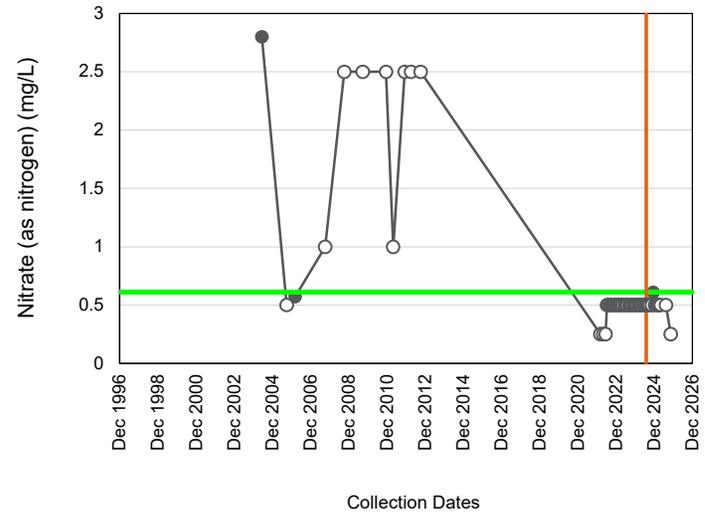
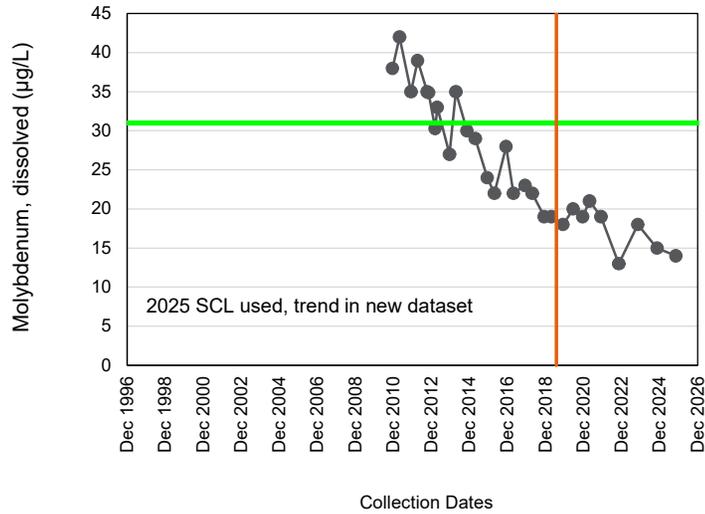
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**FIGURE
E-1-15**

Location: **MW-36-100**



Notes:

- 1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.
- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

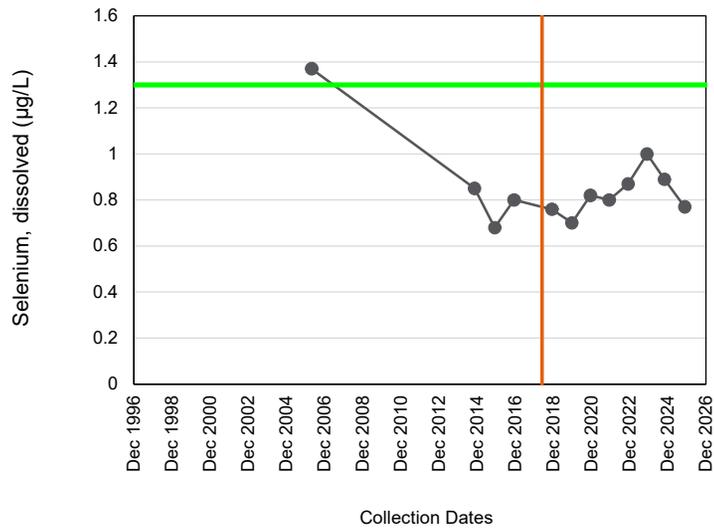
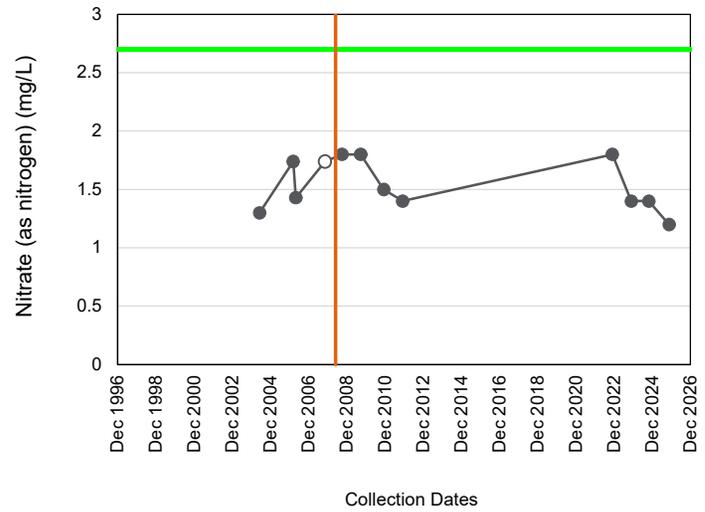
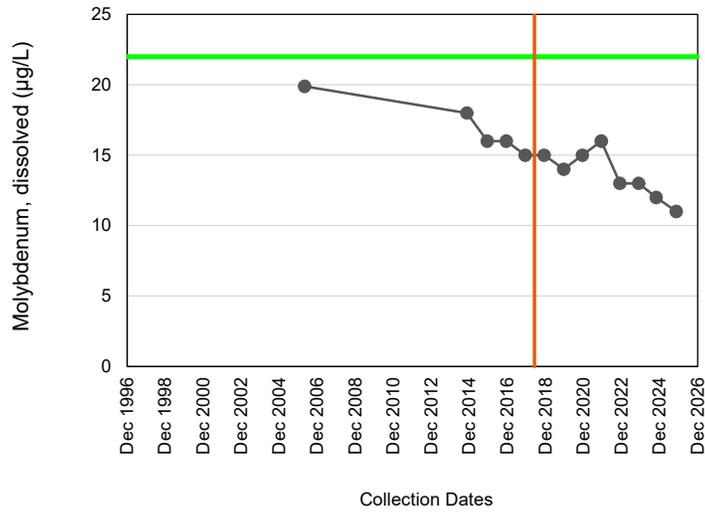
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FIGURE
E-1-16

Location: **MW-37S**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

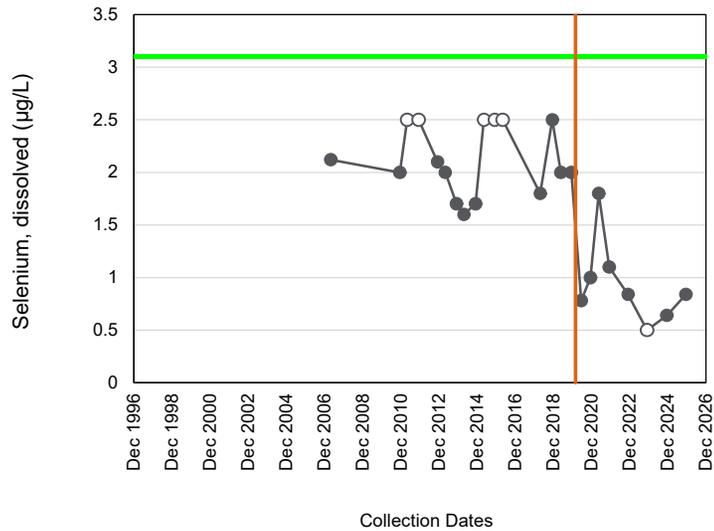
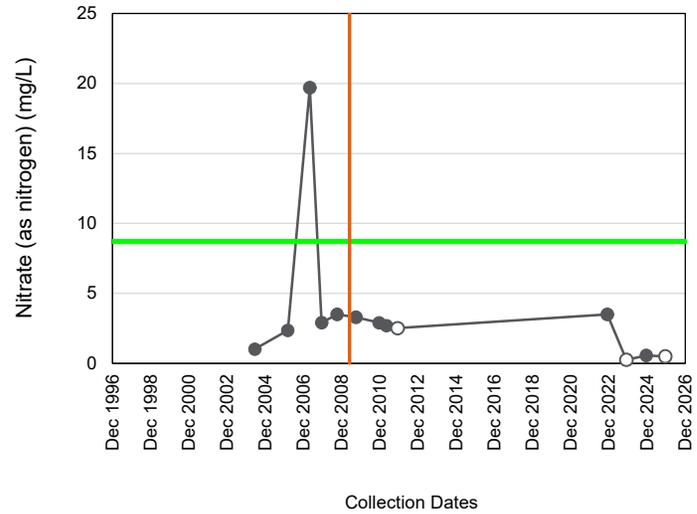
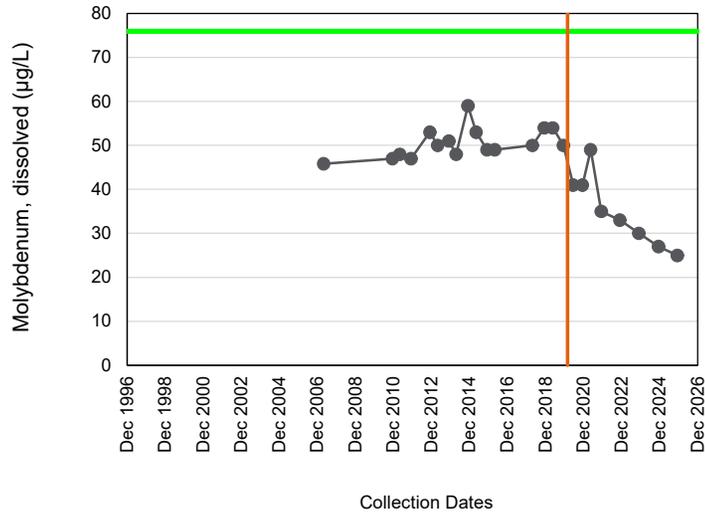
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**FIGURE
E-1-17**

Location: **MW-40D**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

— = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
— = SCL calculation start date µg/L = microgram per liter

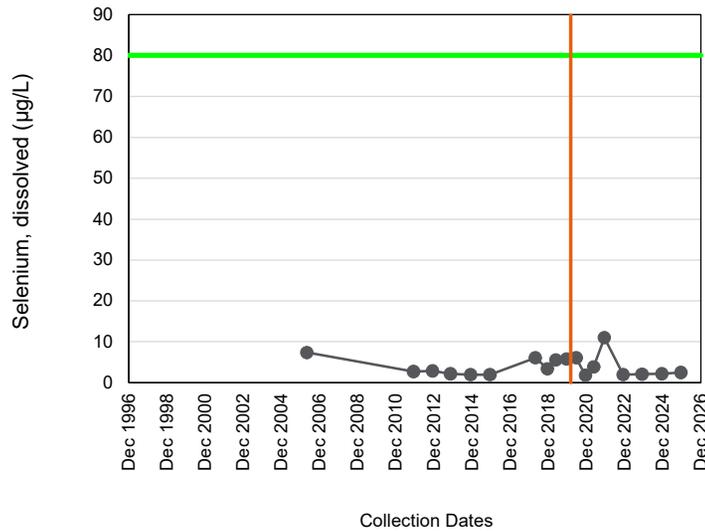
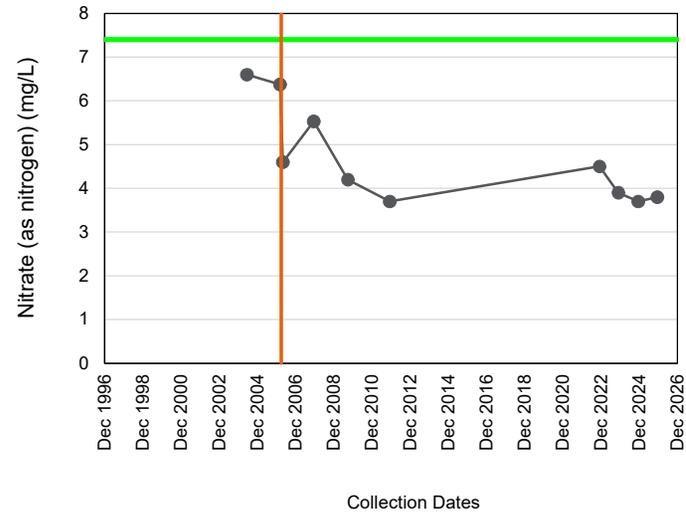
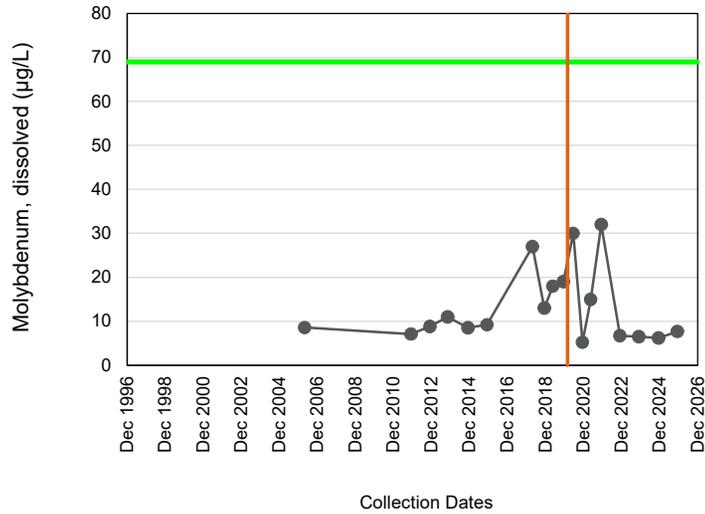
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-18

Location: **MW-40S**



Notes:

- 1. Detected results are indicated by a full circle.
- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

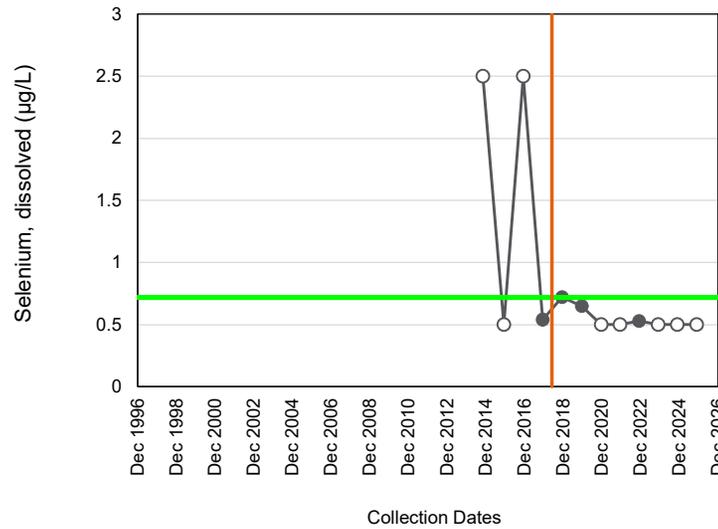
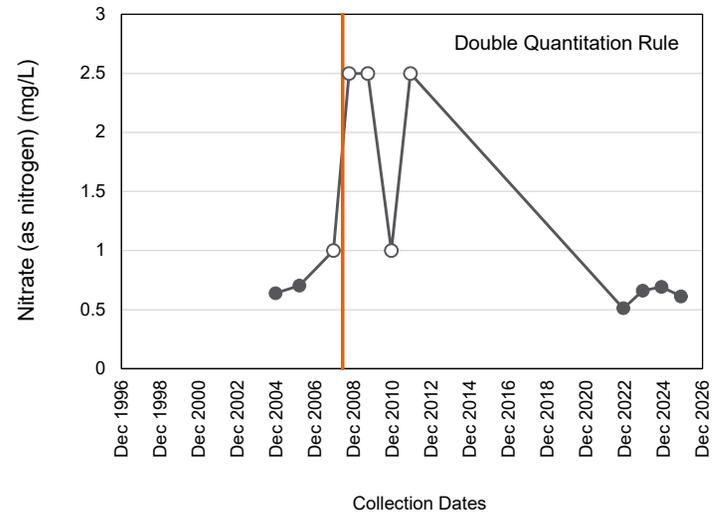
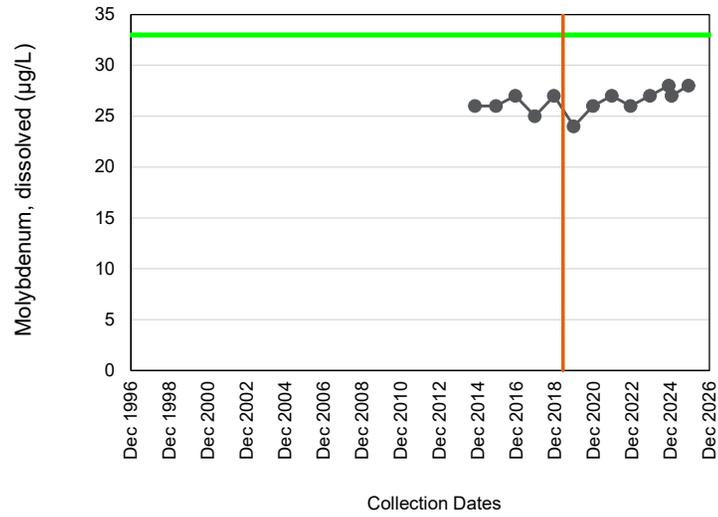
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-19

Location: **MW-41M**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

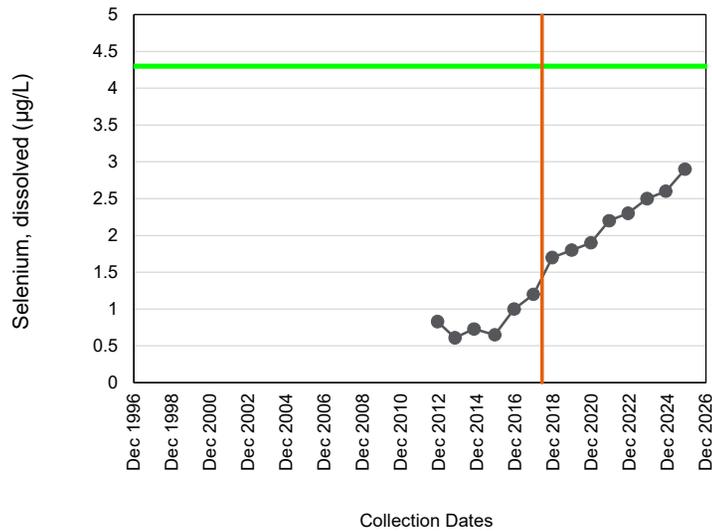
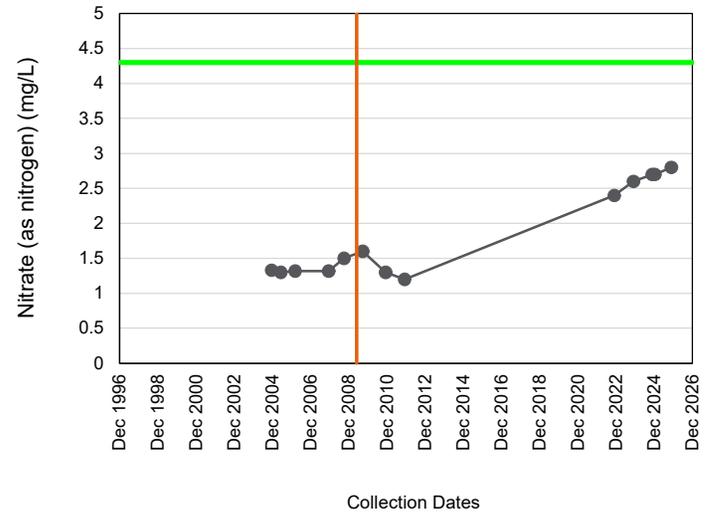
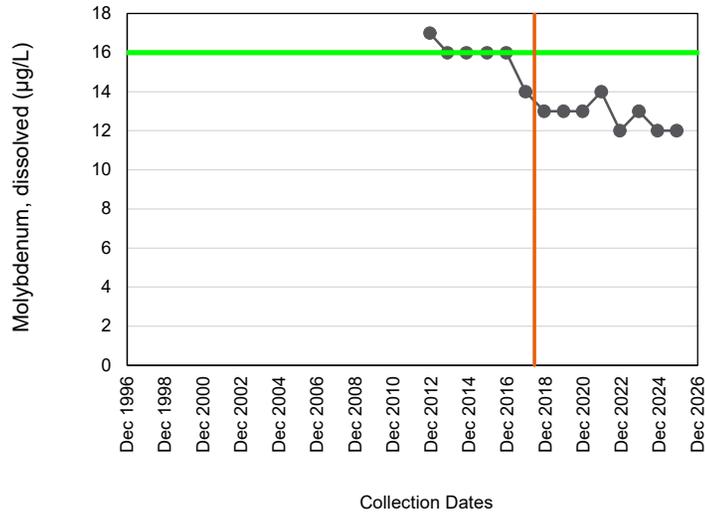
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CONCENTRATION TIME-SERIES CHARTS



**FIGURE
E-1-20**

Location: **MW-41S**



Notes:

1. Detected results are indicated by a full circle.

- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

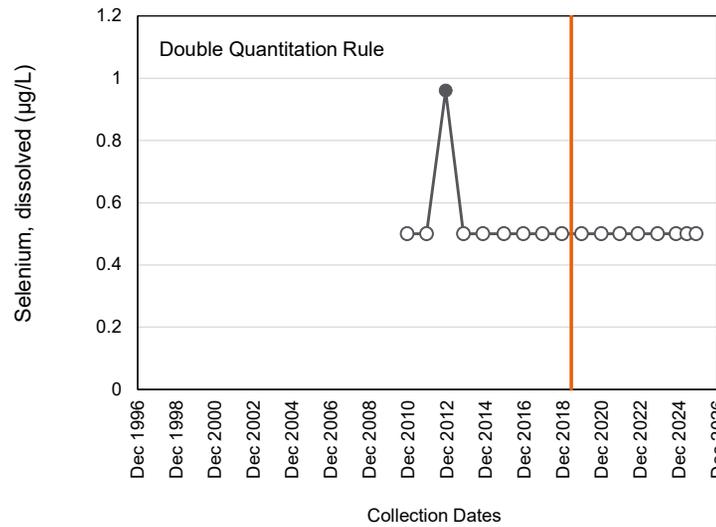
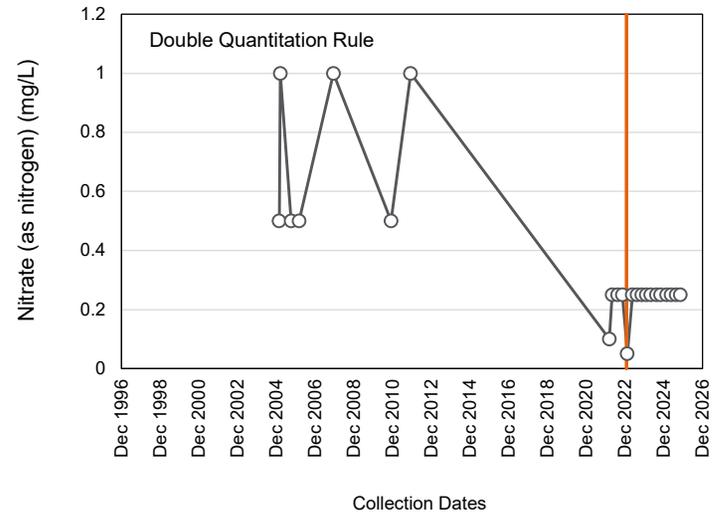
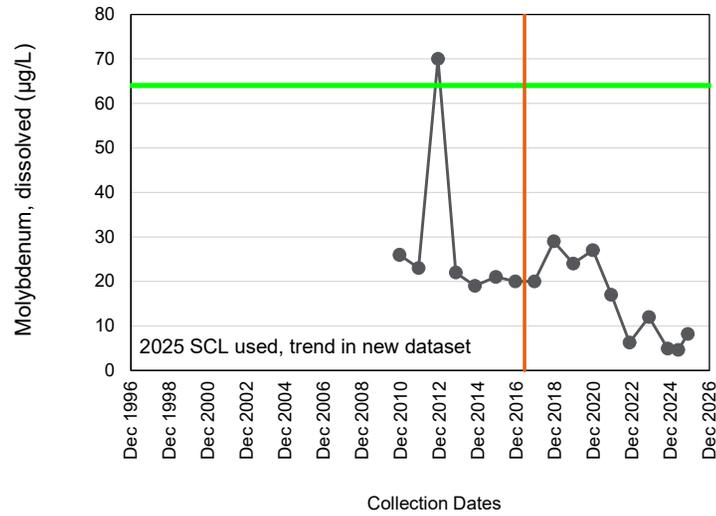
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-21

Location: **MW-42-030**



Notes:
 1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.
 — = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
 — = SCL calculation start date µg/L = microgram per liter

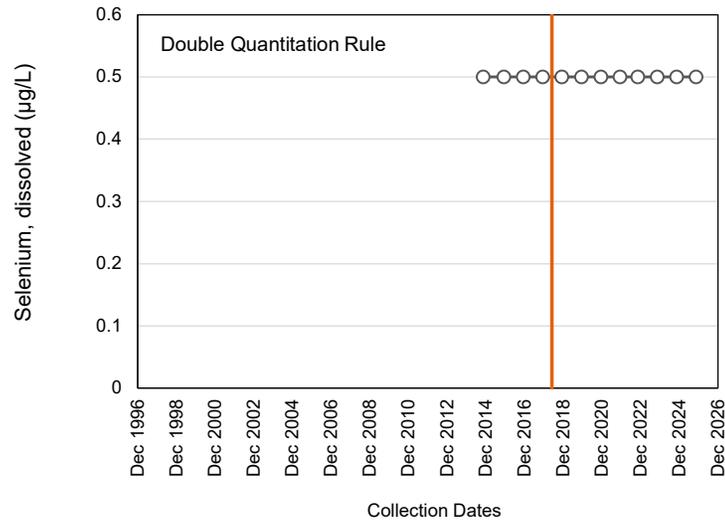
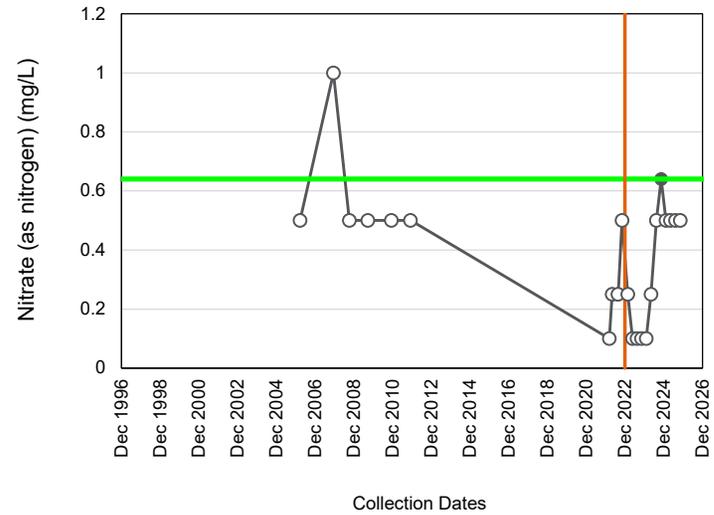
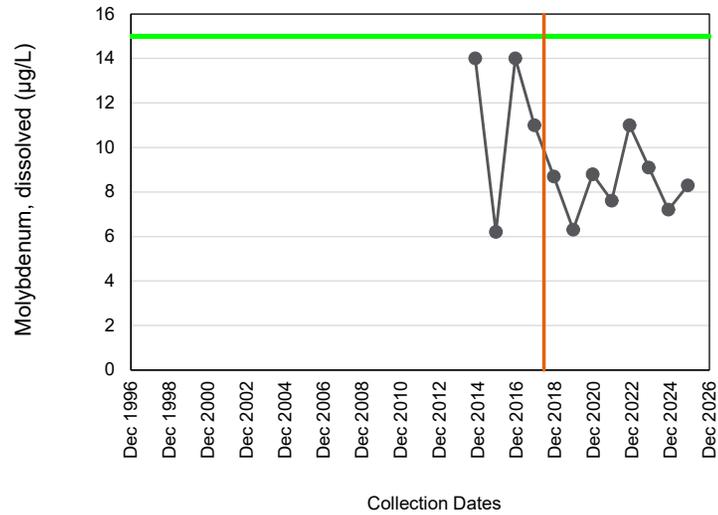
PACIFIC GAS AND ELECTRIC COMPANY
 TOPOCK COMPRESSOR STATION
 TOPOCK, CALIFORNIA

CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-22

Location: **MW-44-070**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

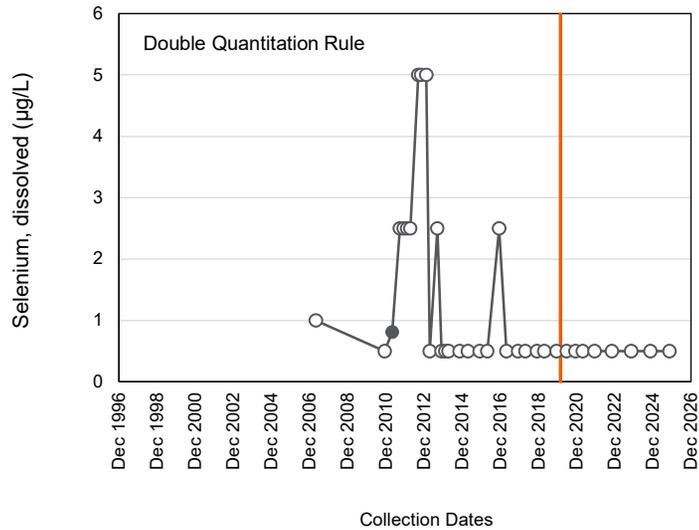
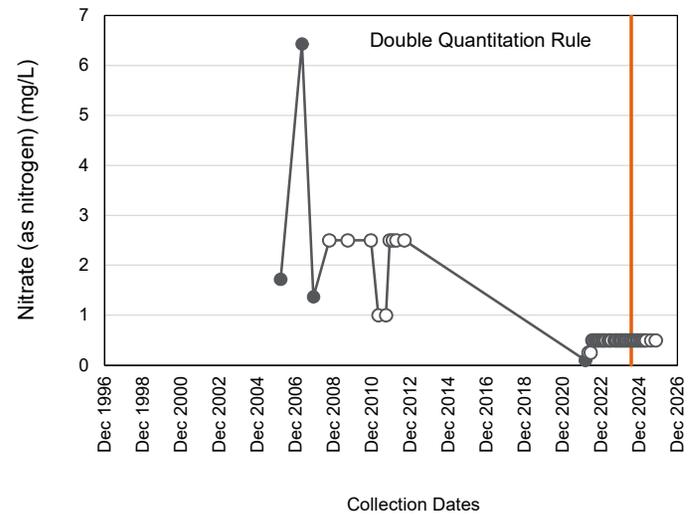
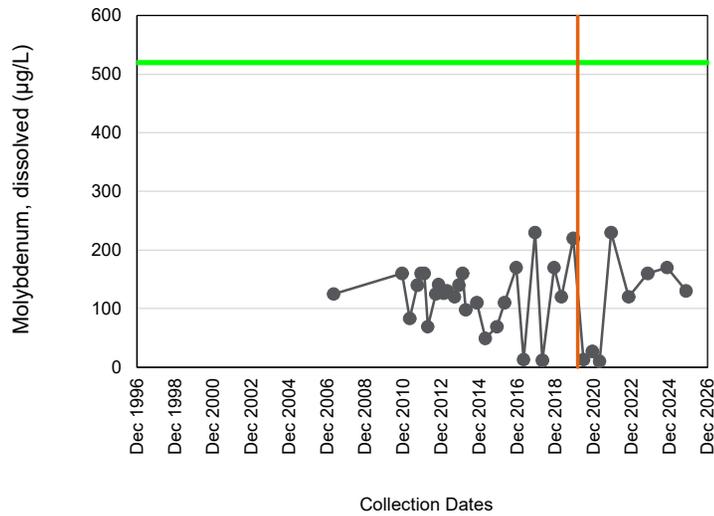
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TOPOCK, CALIFORNIA

CONCENTRATION TIME-SERIES CHARTS



**FIGURE
E-1-23**

Location: **MW-44-125**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

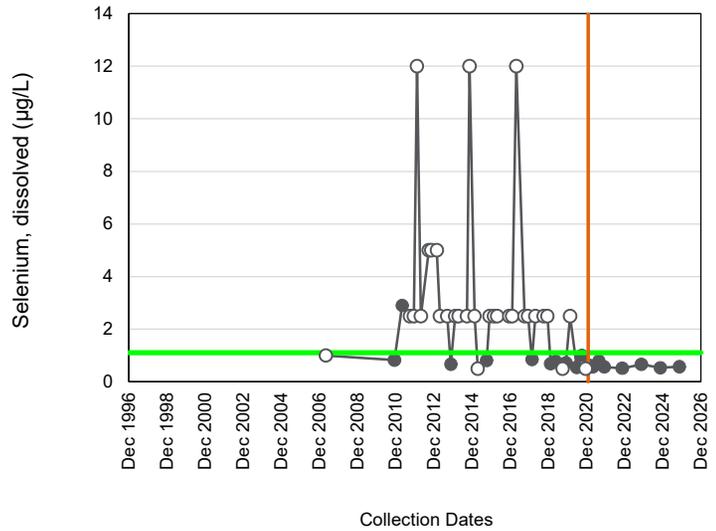
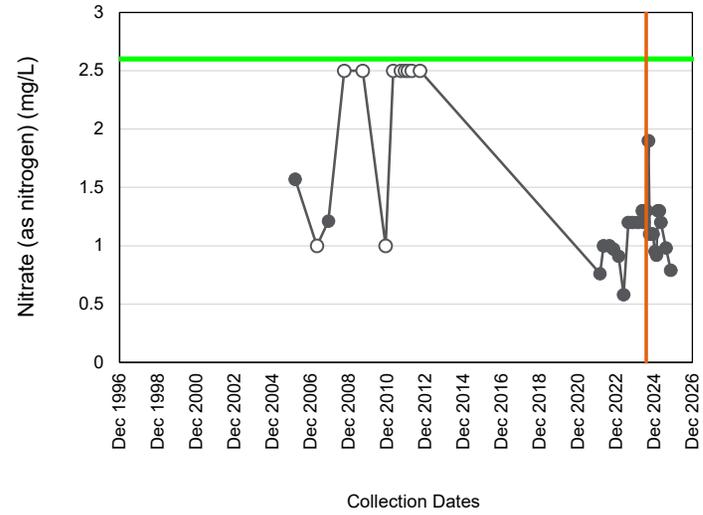
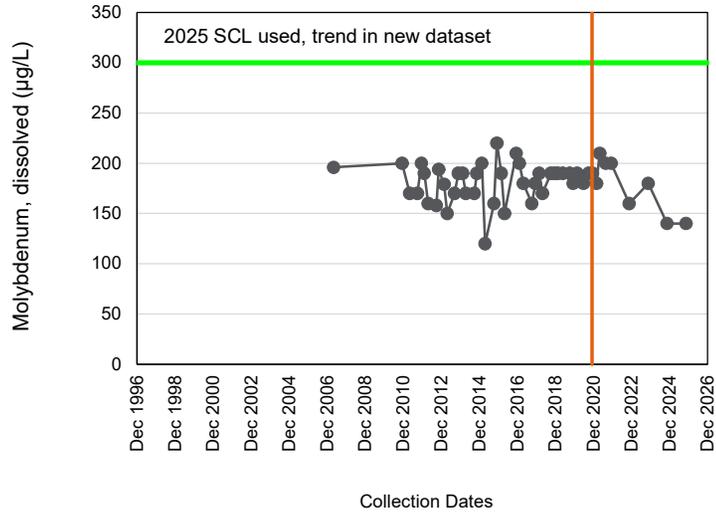
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-24

Location: **MW-46-175**



Notes:

- 1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.
- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

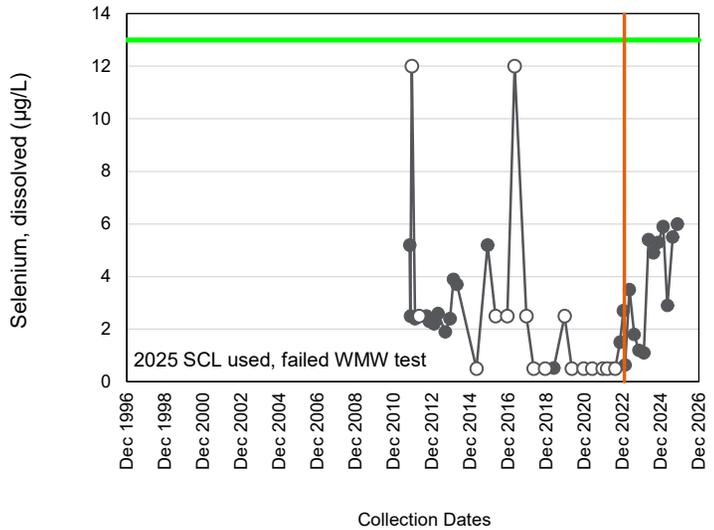
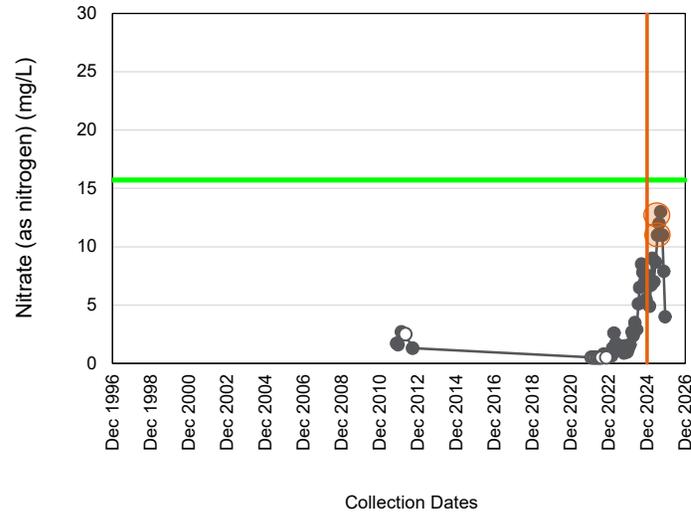
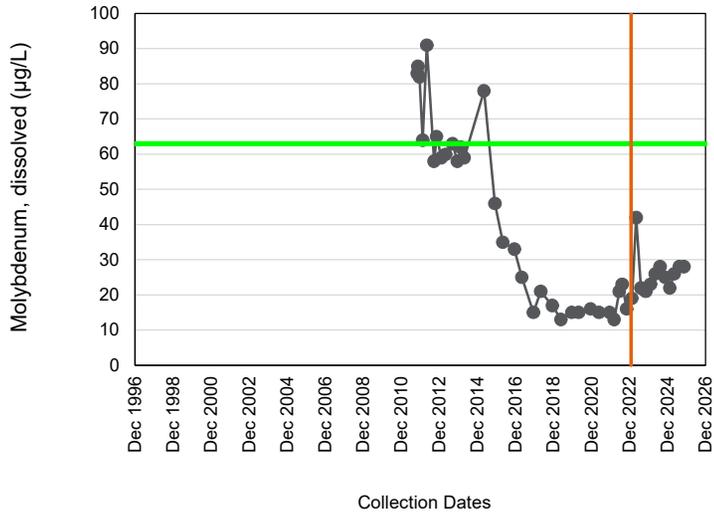
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-25

Location: **MW-71-035**



Notes:

- 1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.
- = Shewhart control limit (SCL) WMW = Wilcoxon Mann Whitney
- | = SCL calculation start date mg/L = milligram per liter µg/L = microgram per liter
- = Exceedance of 2025 SCL excluded from calculation

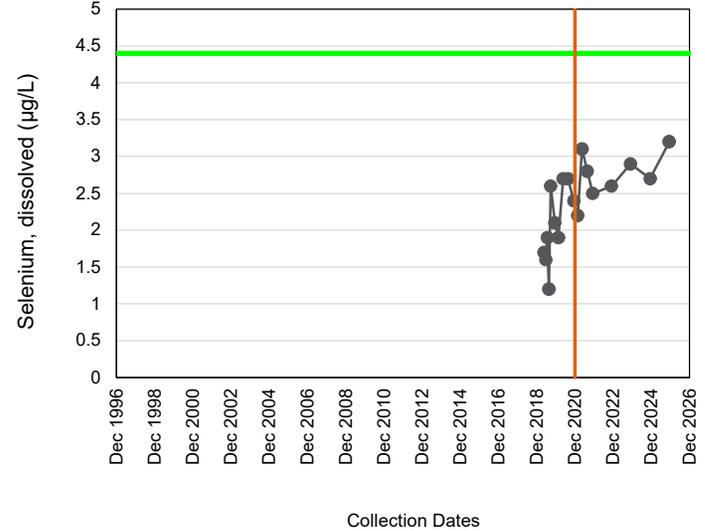
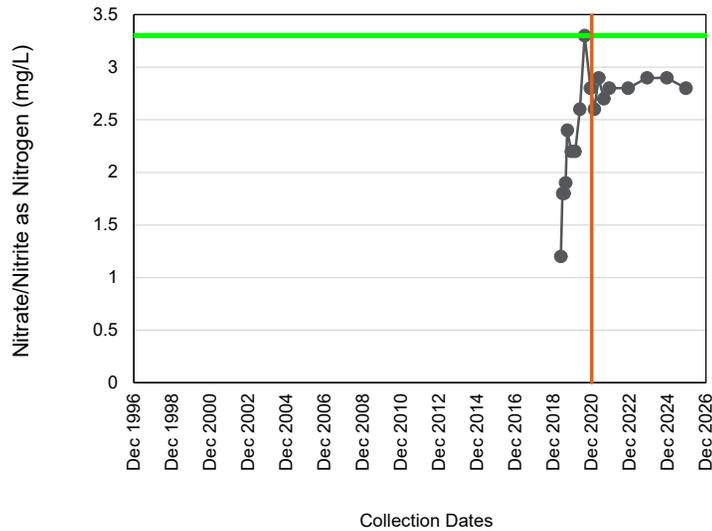
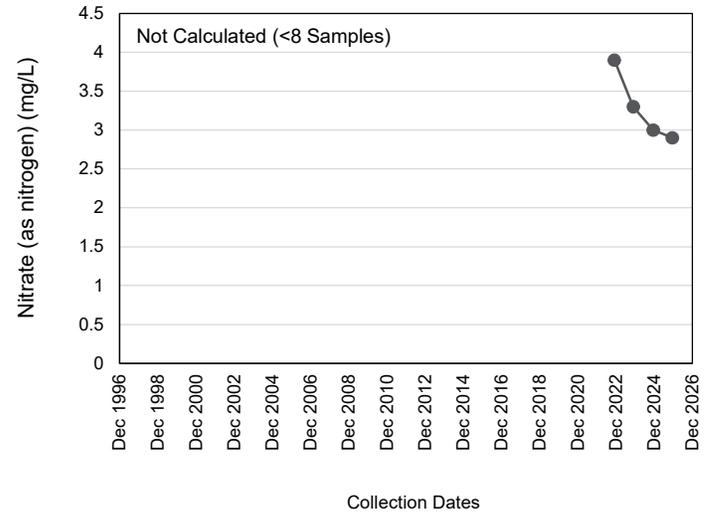
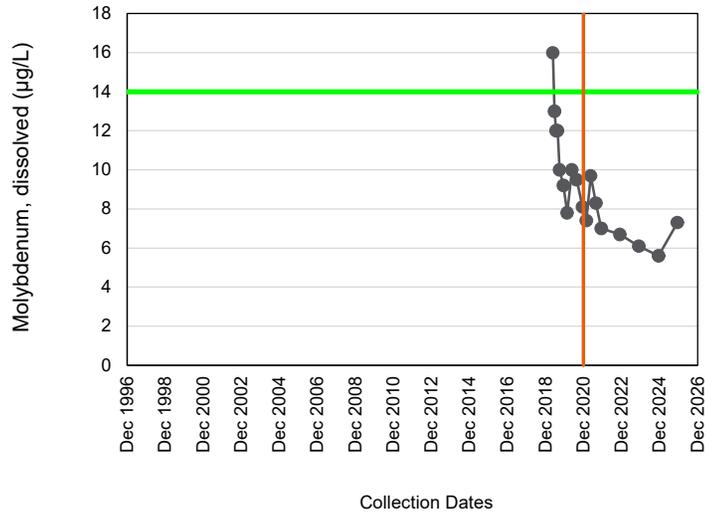
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-26

Location: **MW-89-183**



Notes:

- 1. Detected results are indicated by a full circle.
- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

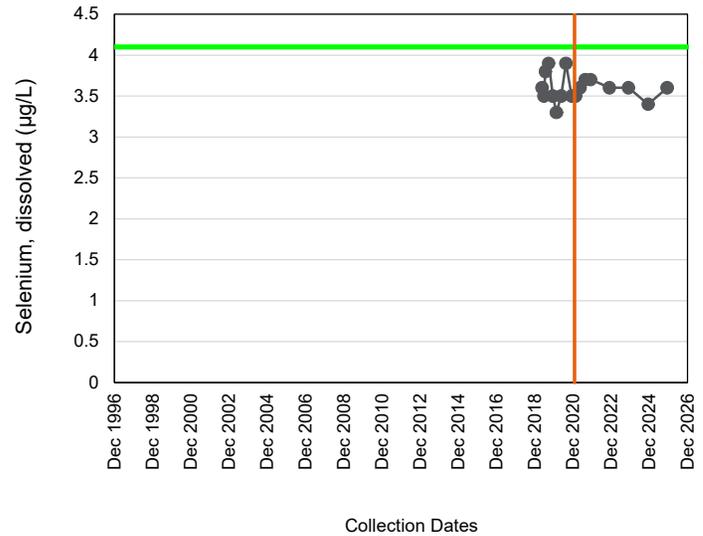
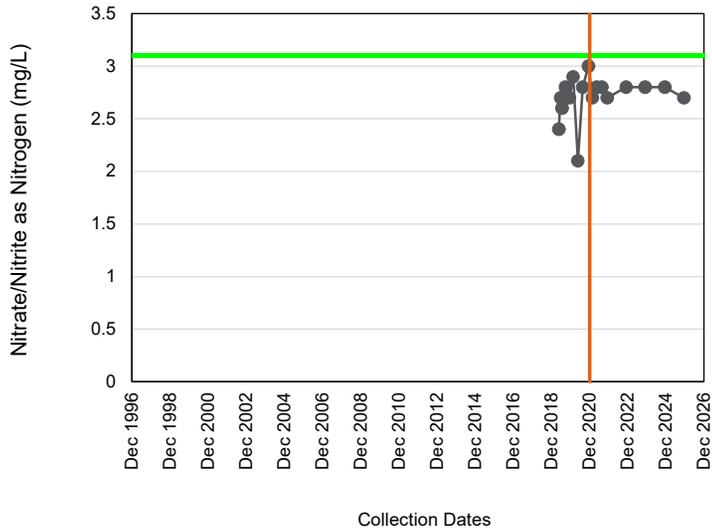
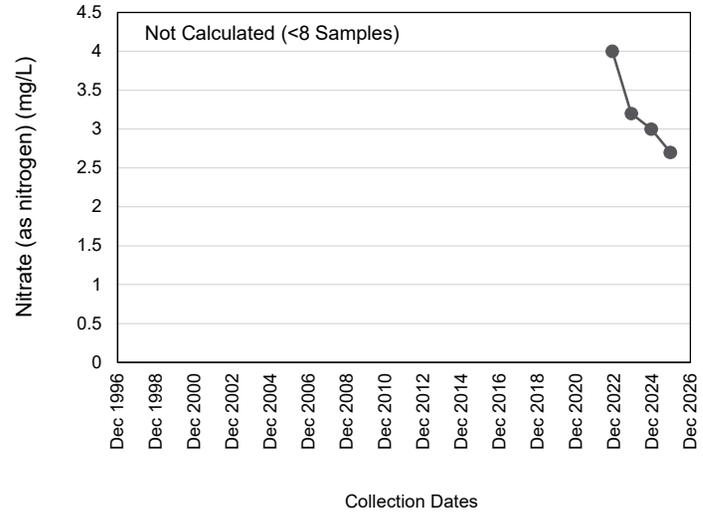
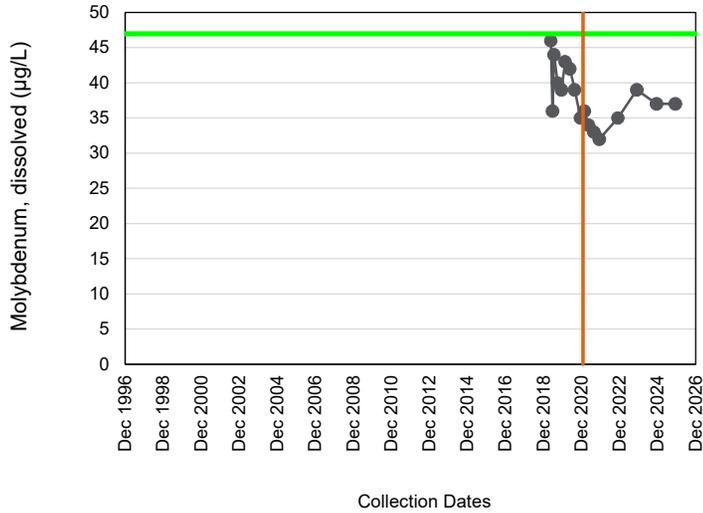
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CONCENTRATION TIME-SERIES CHARTS



**FIGURE
E-1-27**

Location: **MW-89-273**



Notes:

- 1. Detected results are indicated by a full circle.
- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

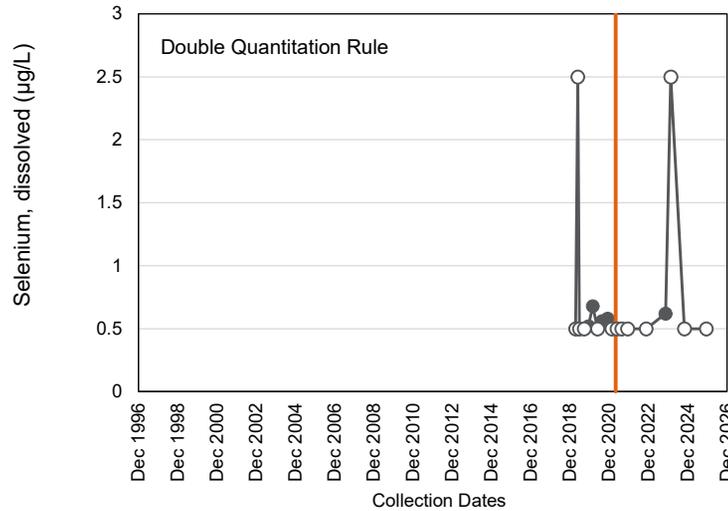
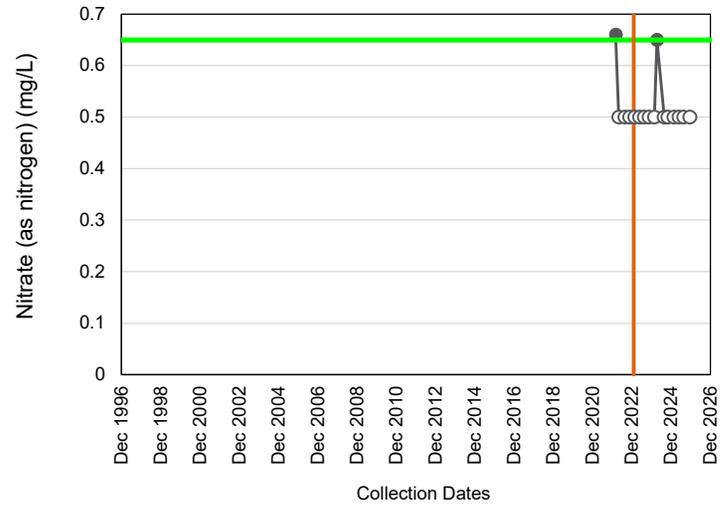
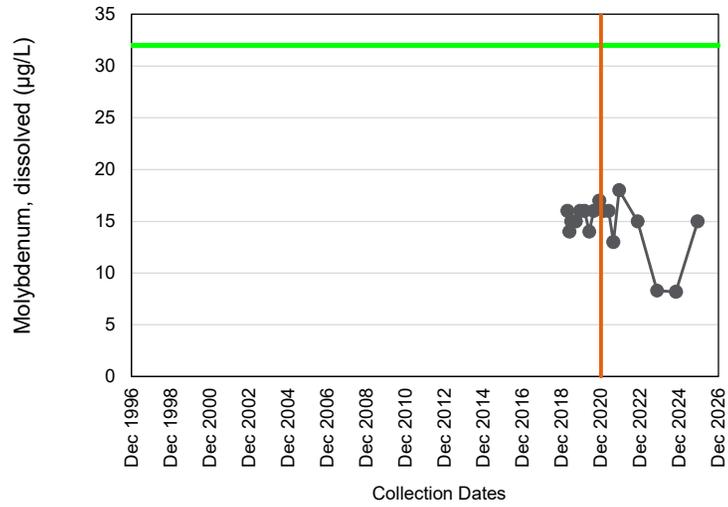
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CONCENTRATION TIME-SERIES CHARTS



**FIGURE
E-1-28**

Location: **MW-90-031**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

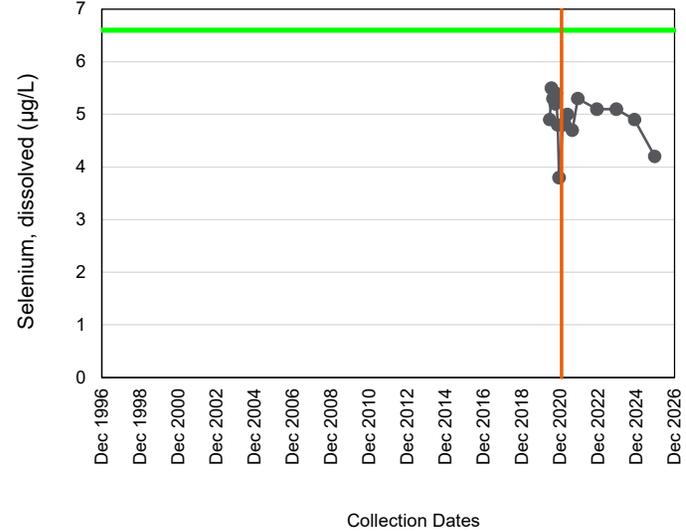
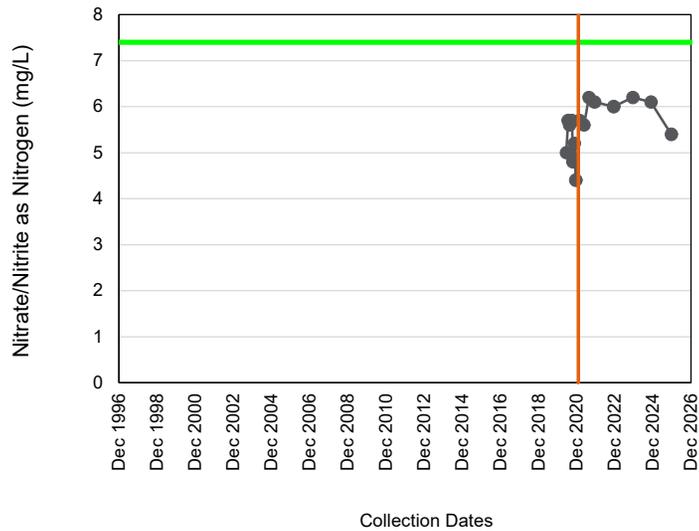
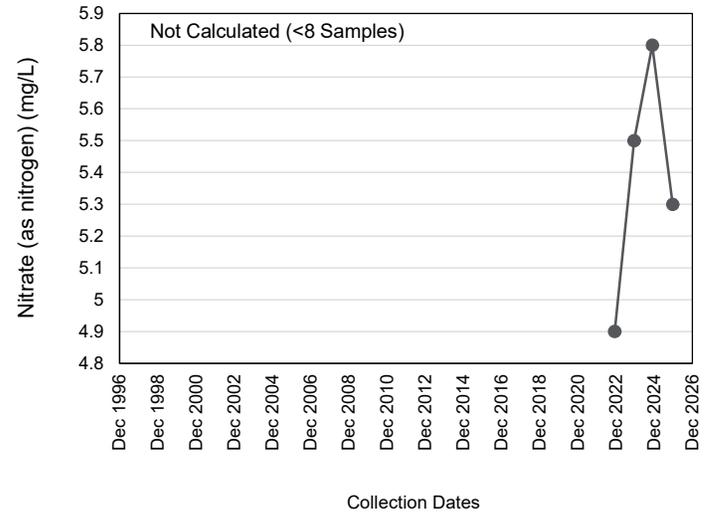
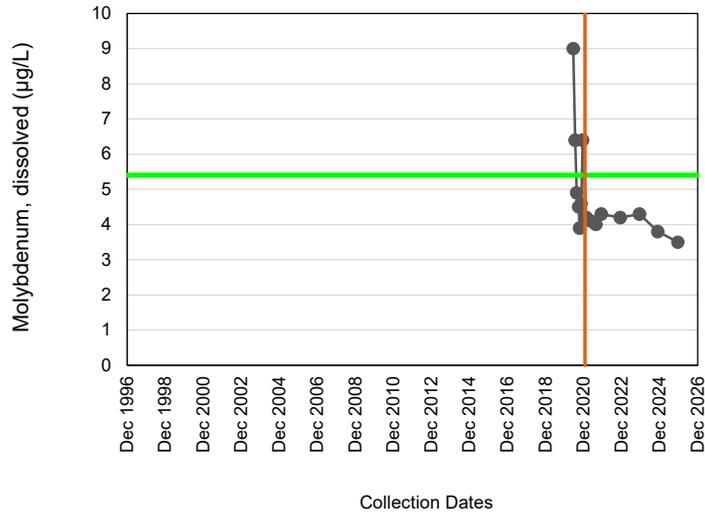
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CONCENTRATION TIME-SERIES CHARTS



**FIGURE
E-1-29**

Location: **MW-95-113**



Notes:

- 1. Detected results are indicated by a full circle.
- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

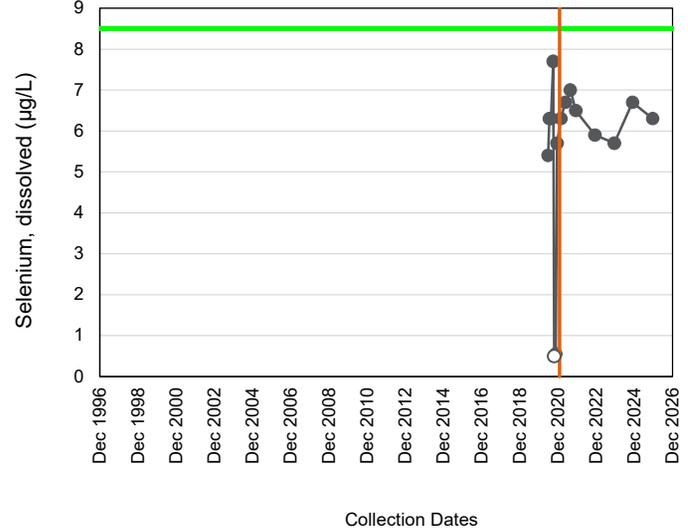
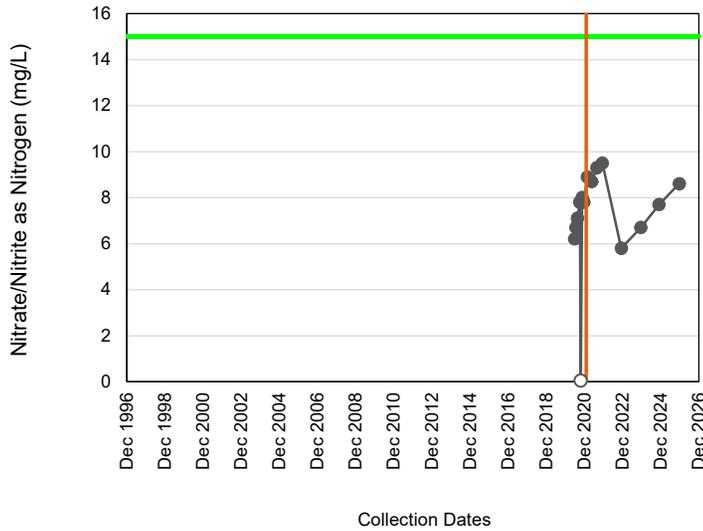
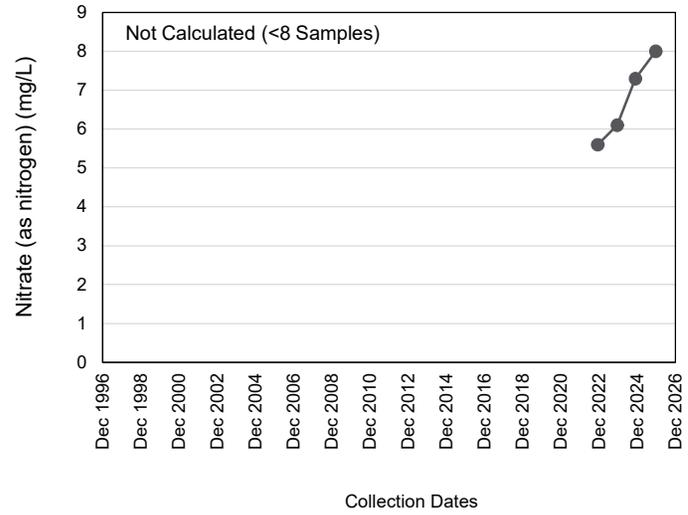
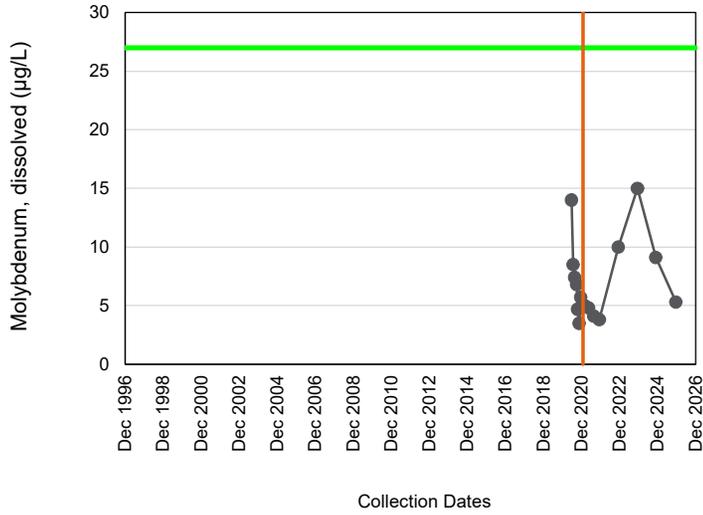
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CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-30

Location: **MW-95-157**



Notes:

1. Detected results are indicated by a full circle and non-detected results are indicated by an open circle.

- = Shewhart control limit (SCL) mg/L = milligram mg/L = milligram per liter
- = SCL calculation start date µg/L = microgram per liter

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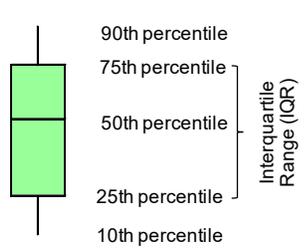
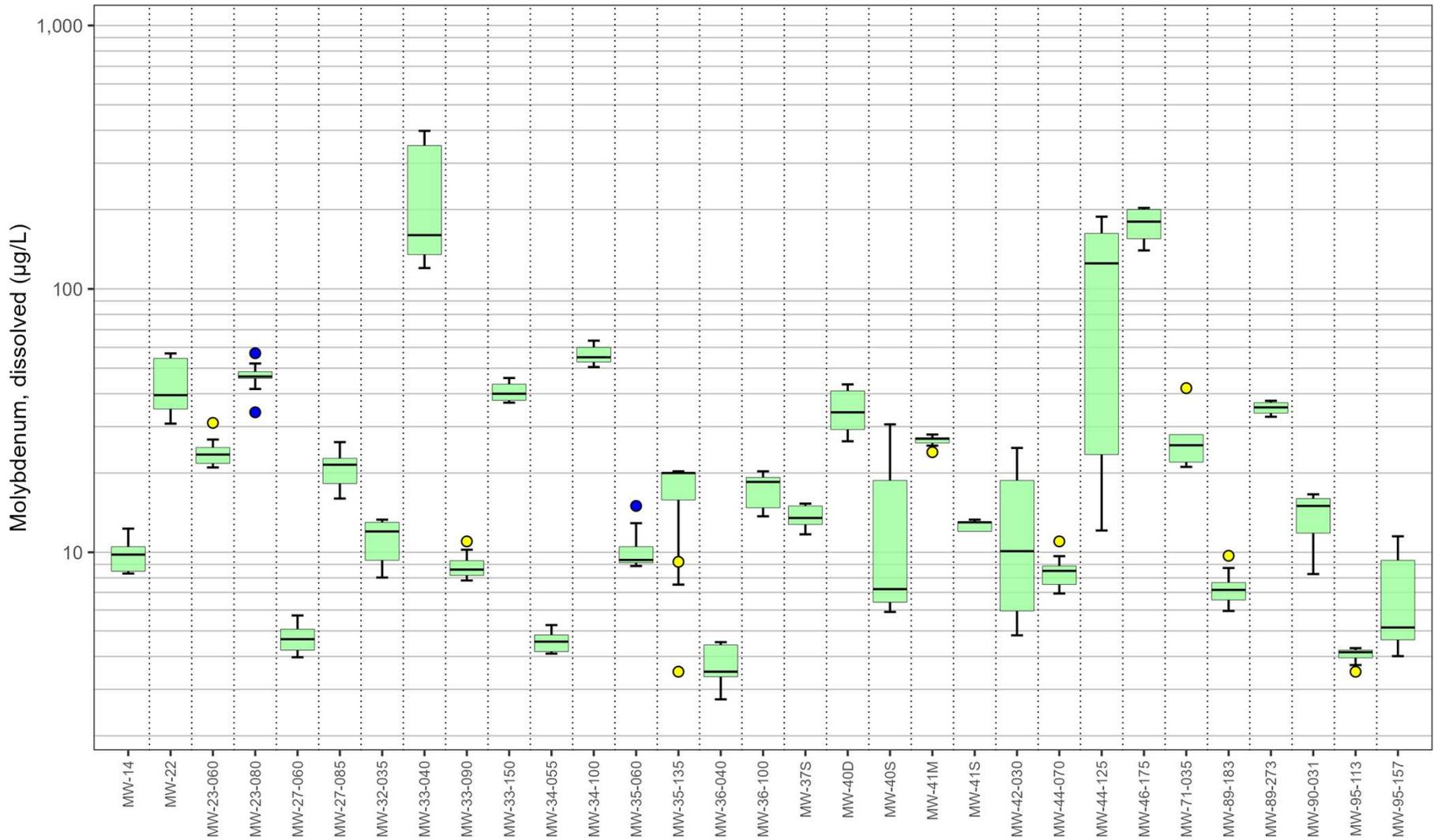
CONCENTRATION TIME-SERIES CHARTS



FIGURE
E-1-31

Attachment E-2

Box and Whisker Plots



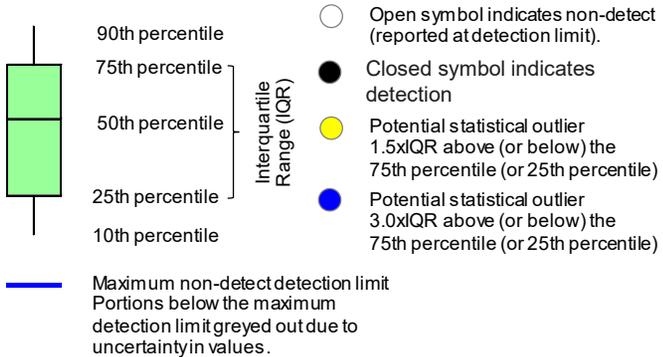
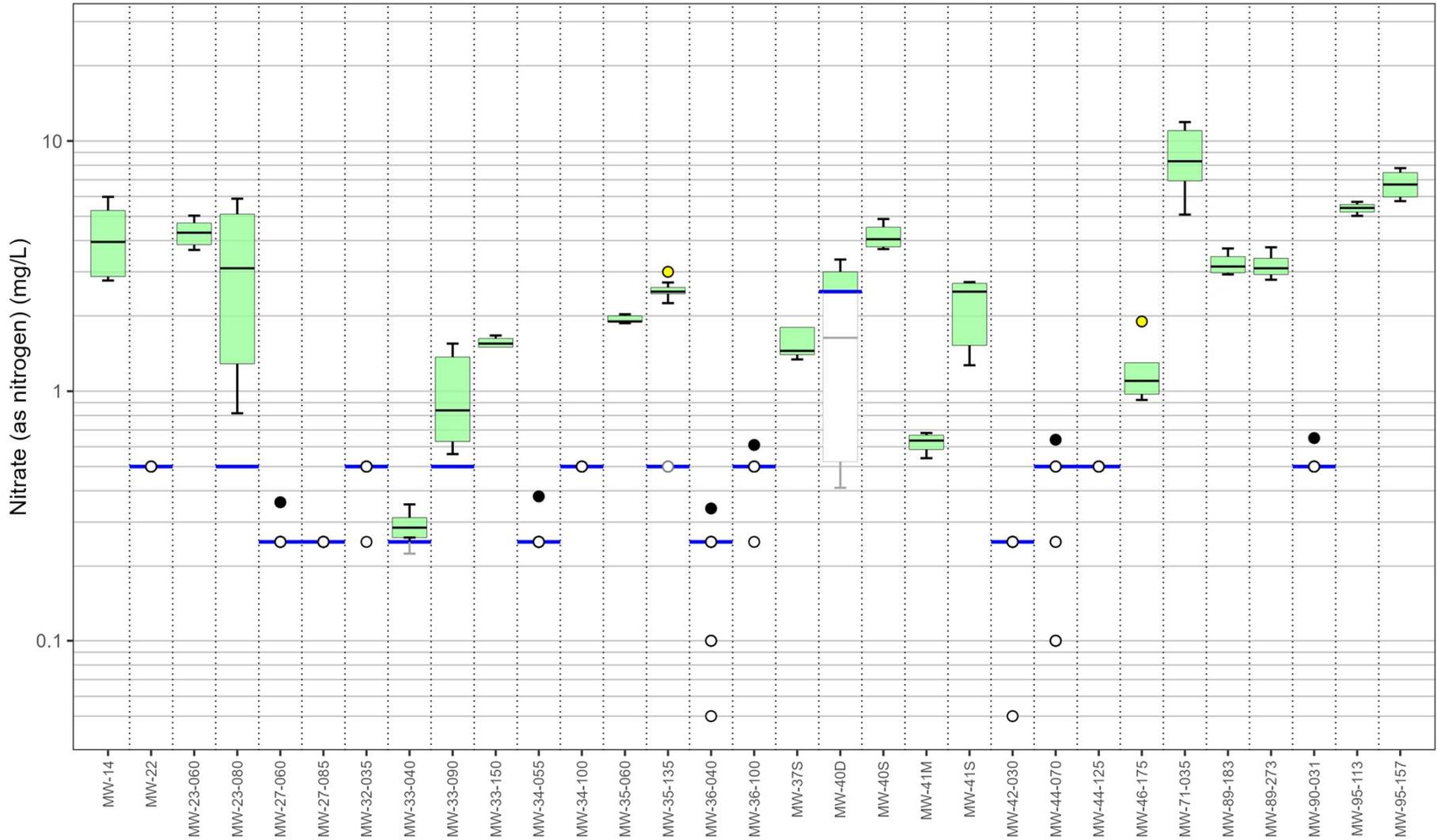
- Open symbol indicates non-detect (reported at detection limit).
- Closed symbol indicates detection
- Potential statistical outlier 1.5xIQR above (or below) the 75th percentile (or 25th percentile)
- Potential statistical outlier 3.0xIQR above (or below) the 75th percentile (or 25th percentile)

— Maximum non-detect detection limit
 Portions below the maximum detection limit greyed out due to uncertainty in values.

Notes:
 1. Robust Regression on Order Statistics (rROS) imputation was used to estimate the value of non-detects.
 2. Any non-detect value with a detection limit greater than the maximum detected value was excluded from analysis. Elevated non-detect values typically do not have sufficient precision to be informative, and non-detects greater than the maximum detect value cannot be reliably imputed via rROS.
 3. Box plots were not developed for locations with fewer than 3 detected observations. The individual results are shown.

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APPENDIX B

**MOLYBDENUM, DISSOLVED
 CONCENTRATION BOXPLOTS**

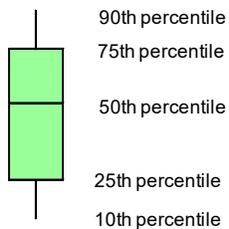
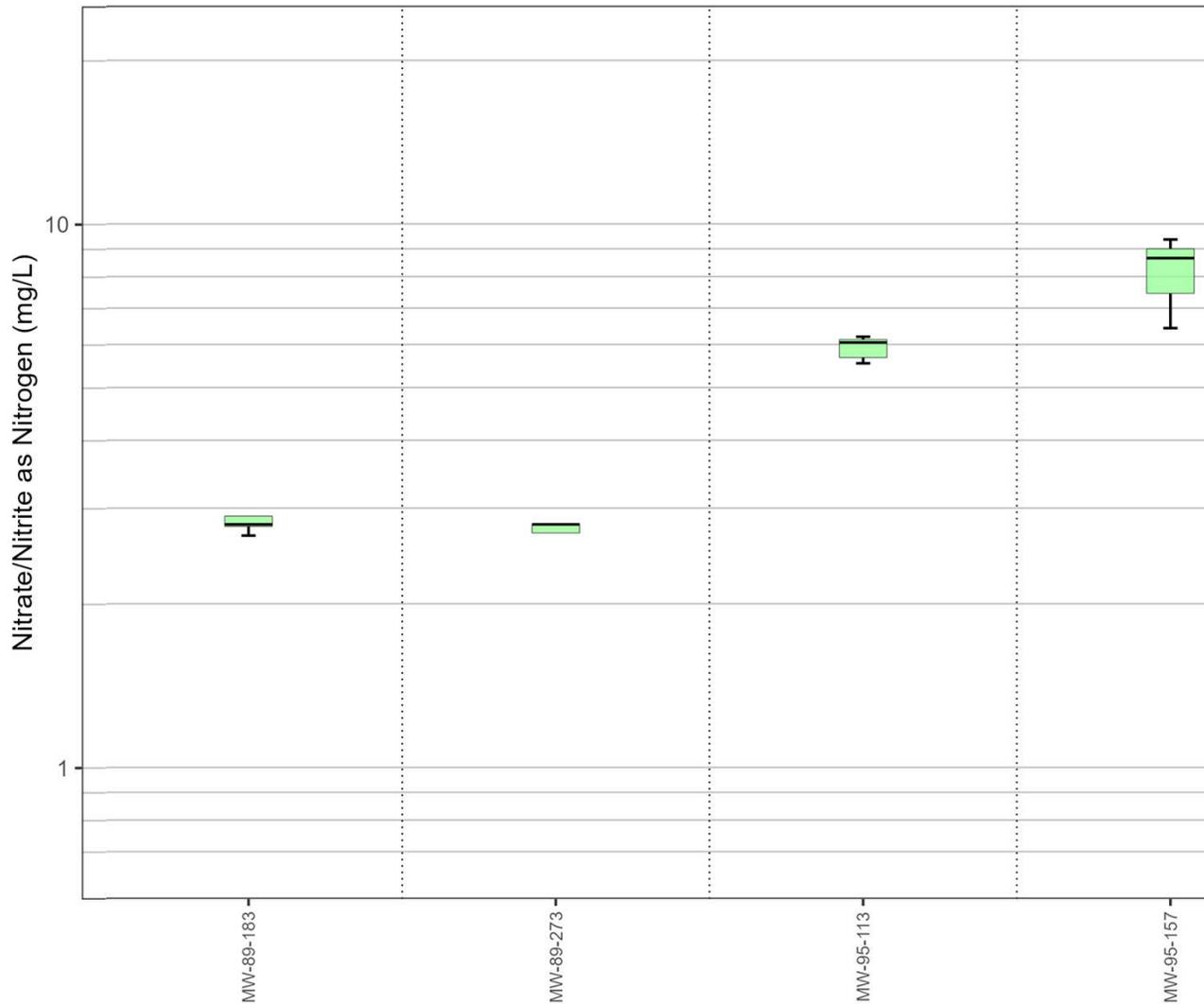


Notes:

1. Robust Regression on Order Statistics (rROS) imputation was used to estimate the value of non-detects.
2. Any non-detect value with a detection limit greater than the maximum detected value was excluded from analysis. Elevated non-detect values typically do not have sufficient precision to be informative, and non-detects greater than the maximum detect value cannot be reliably imputed via rROS.
3. Box plots were not developed for locations with fewer than 3 detected observations. The individual results are shown.

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APPENDIX B

**NITRATE (AS NITROGEN) CONCENTRATION
 BOXPLOTS**



- Open symbol indicates non-detect (reported at detection limit).
- Closed symbol indicates detection
- Potential statistical outlier 1.5xIQR above (or below) the 75th percentile (or 25th percentile)
- Potential statistical outlier 3.0xIQR above (or below) the 75th percentile (or 25th percentile)

— Maximum non-detect detection limit
 Portions below the maximum detection limit greyed out due to uncertainty in values.

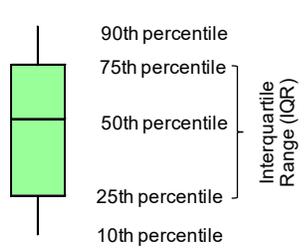
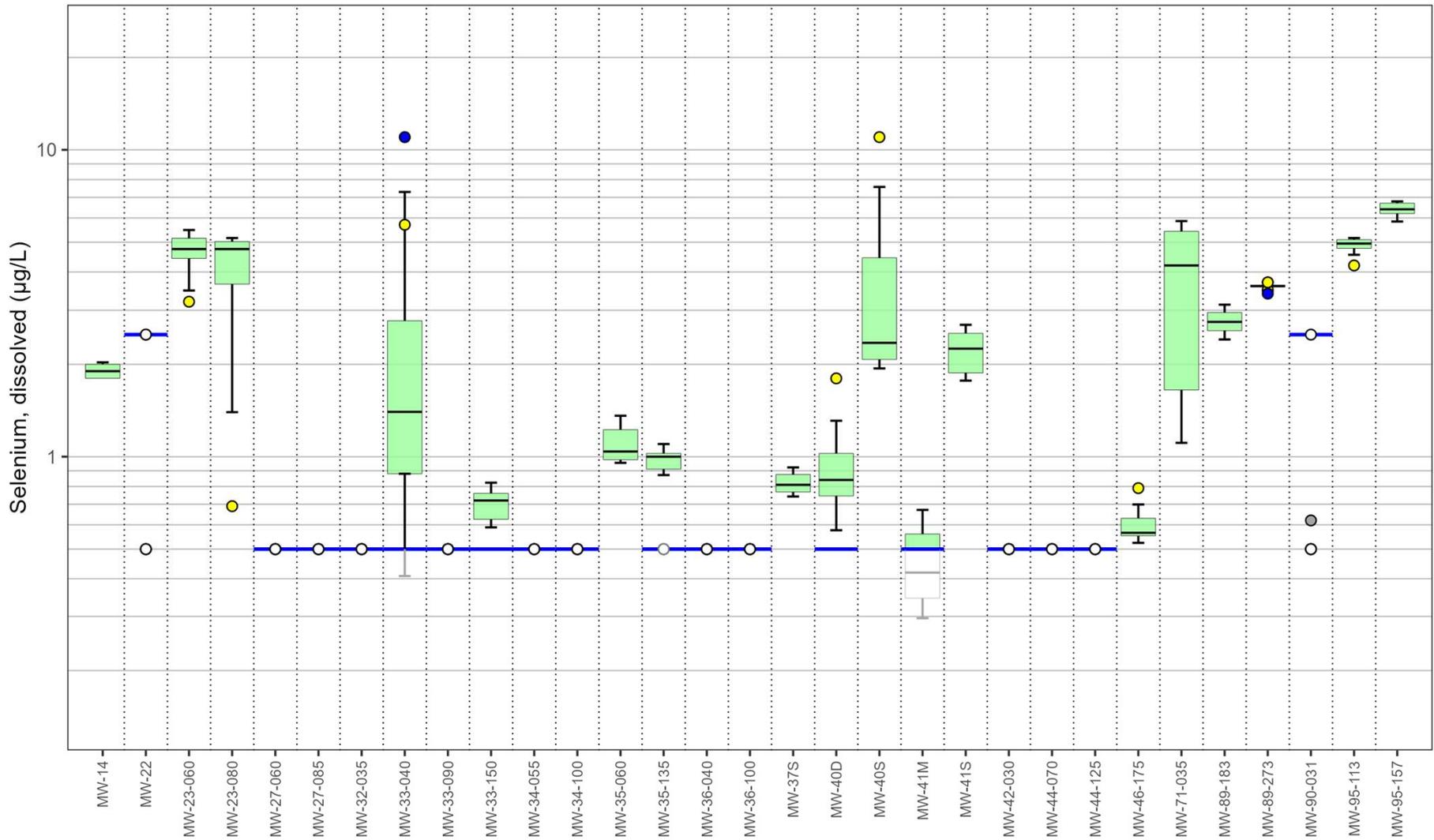
Notes:
 1. Robust Regression on Order Statistics (rROS) imputation was used to estimate the value of non-detects.
 2. Any non-detect value with a detection limit greater than the maximum detected value was excluded from analysis. Elevated non-detect values typically do not have sufficient precision to be informative, and non-detects greater than the maximum detect value cannot be reliably imputed via rROS.
 3. Box plots were not developed for locations with fewer than 3 detected observations. The individual results are shown.

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 TOPROCK, CALIFORNIA
APPENDIX B

**NITRATE/NITRITE AS NITROGEN
 CONCENTRATION BOXPLOTS**



FIGURE
E-2-3



- Open symbol indicates non-detect (reported at detection limit).
- Closed symbol indicates detection
- Potential statistical outlier 1.5xIQR above (or below) the 75th percentile (or 25th percentile)
- Potential statistical outlier 3.0xIQR above (or below) the 75th percentile (or 25th percentile)

— Maximum non-detect detection limit
 Portions below the maximum detection limit greyed out due to uncertainty in values.

Notes:
 1. Robust Regression on Order Statistics (rROS) imputation was used to estimate the value of non-detects.
 2. Any non-detect value with a detection limit greater than the maximum detected value was excluded from analysis. Elevated non-detect values typically do not have sufficient precision to be informative, and non-detects greater than the maximum detect value cannot be reliably imputed via rROS.
 3. Box plots were not developed for locations with fewer than 3 detected observations. The individual results are shown.

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 TOPROCK, CALIFORNIA
APPENDIX B

**SELENIUM, DISSOLVED CONCENTRATION
 BOXPLOTS**

Attachment E-3

Sanitas Outputs

Trend Test

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset Printed 2/18/2026, 4:19 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum, dissolved (ug/L)	MW-14 (bg)	-0.3664	-11	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-22	4.362	19	15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-23-060	0.4236	4	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-23-080	0.9013	9	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-27-060	0.2525	20	15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-27-085	1.339	14	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-32-035	-0.8907	-18	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-33-040	-27.16	-7	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-33-090	0.04084	0	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-33-150	-1.688	-15	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-34-055	-0.1018	-13	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-34-100	-2.133	-11	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-35-060	-0.4163	-10	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-35-135	-0.8883	-16	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-36-040	0.2671	15	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-36-100	-1.121	-17	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-37S (bg)	-0.5487	-18	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-40D (bg)	-3.067	-23	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-40S (bg)	-0.9436	-6	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-41M (bg)	0.5059	19	15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-41S (bg)	-0.1555	-11	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-42-030	-3.555	-18	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-44-070	0.06534	2	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-44-125	28.13	12	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-46-175	-11.67	-17	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-89-183 (bg)	-0.4776	-16	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-89-273 (bg)	0.6585	9	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-90-031	-0.7122	-12	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-95-113 (bg)	-0.1033	-8	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-95-157 (bg)	0.3251	6	15	No	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-14 (bg)	-0.1843	-16	-15	Yes	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-23-060	-0.01248	-3	-15	No	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-23-080	-0.3296	-20	-15	Yes	8	12.5	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-33-040	0	8	15	No	8	62.5	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-33-090	-0.02463	-10	-15	No	8	62.5	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-33-150	0.1078	13	15	No	8	50	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-35-060	0	1	15	No	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-35-135	-0.02694	-12	-15	No	8	12.5	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-37S (bg)	-0.02643	-18	-15	Yes	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-40D (bg)	-0.1968	-13	-15	No	8	37.5	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-40S (bg)	-0.04872	-15	-15	No	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-41M (bg)	0.03791	18	15	Yes	8	50	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-41S (bg)	0.1001	21	15	Yes	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-89-183 (bg)	-0.3095	-6	-6	No	4	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-89-273 (bg)	-0.3649	-6	-6	No	4	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-95-113 (bg)	0.2238	2	6	No	4	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-95-157 (bg)	0.8281	6	6	No	4	0	n/a	n/a	0.1	NP
Nitrate/Nitrite as Nitrogen (mg/L)	MW-23-060	-0.1473	-13	-10	Yes	6	0	n/a	n/a	0.1	NP
Nitrate/Nitrite as Nitrogen (mg/L)	MW-23-080	-0.3788	-13	-10	Yes	6	0	n/a	n/a	0.1	NP
Nitrate/Nitrite as Nitrogen (mg/L)	MW-89-183 (bg)	0.03741	10	15	No	8	0	n/a	n/a	0.1	NP

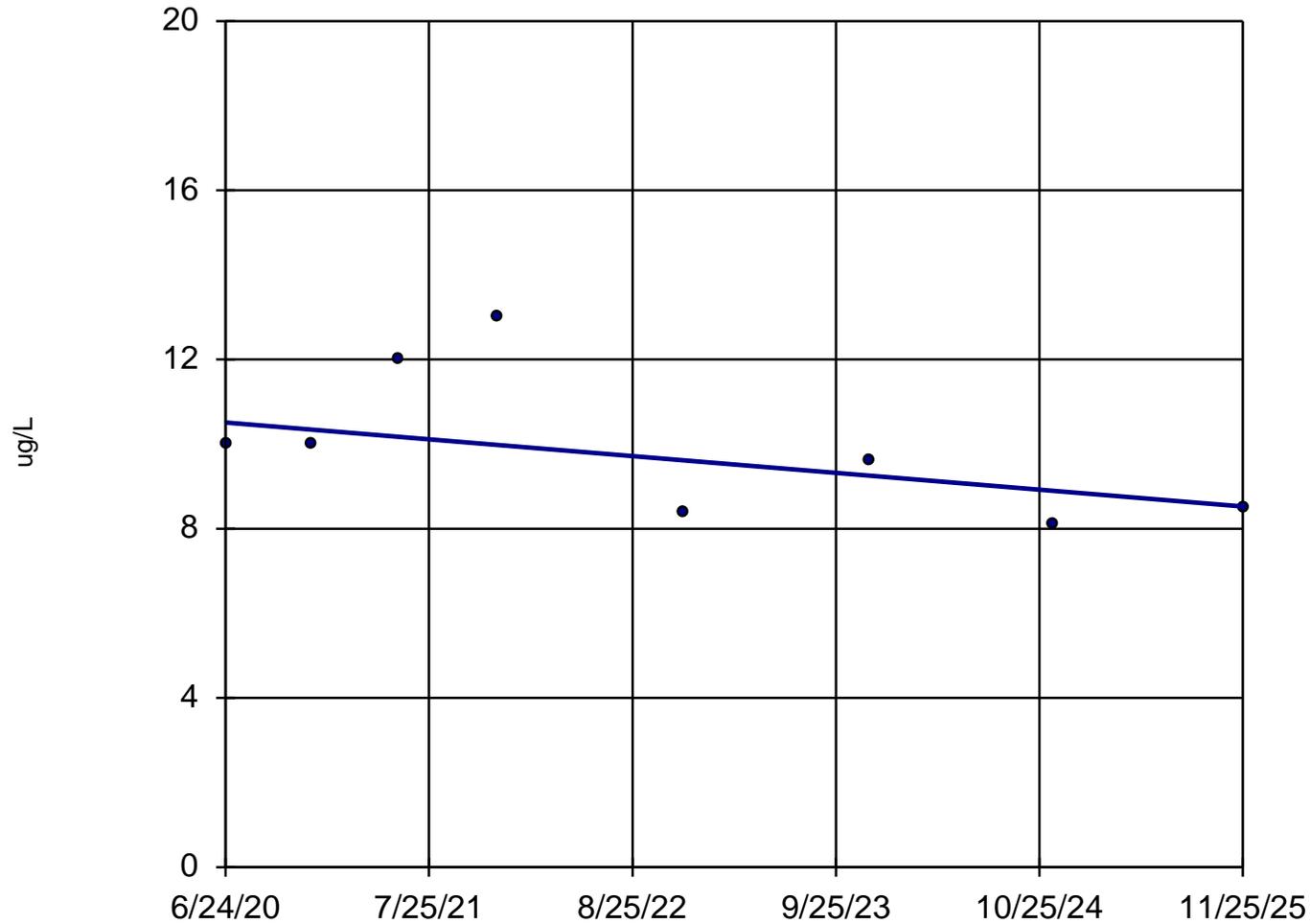
Trend Test

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset Printed 2/18/2026, 4:19 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Nitrate/Nitrite as Nitrogen (mg/L)	MW-89-273 (bg)	0	1	15	No	8	0	n/a	n/a	0.1	NP
Nitrate/Nitrite as Nitrogen (mg/L)	MW-95-113 (bg)	0	0	15	No	8	0	n/a	n/a	0.1	NP
Nitrate/Nitrite as Nitrogen (mg/L)	MW-95-157 (bg)	-0.1927	-6	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-14 (bg)	-0.01008	-5	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-22	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-23-060	-0.3103	-23	-15	Yes	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-23-080	-0.3991	-23	-15	Yes	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-27-060	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-27-085	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-32-035	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-33-040	-0.1496	-2	-15	No	8	12.5	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-33-090	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-33-150	-0.01882	-6	-15	No	8	12.5	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-34-055	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-34-100	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-35-060	-0.08951	-13	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-35-135	0	-3	-15	No	8	25	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-36-040	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-36-100	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-37S (bg)	0.02367	12	15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-40D (bg)	-0.07287	-7	-15	No	8	12.5	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-40S (bg)	-0.1051	0	15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-41M (bg)	-0.05755	-14	-15	No	8	62.5	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-41S (bg)	0.1706	28	15	Yes	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-42-030	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-44-070	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-44-125	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-46-175	-0.01042	-5	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-89-183 (bg)	0.09722	10	15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-89-273 (bg)	0	-3	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-90-031	0	1	15	No	8	87.5	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-95-113 (bg)	-0.06378	-3	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-95-157 (bg)	-0.08969	-6	-15	No	8	0	n/a	n/a	0.1	NP

Sen's Slope Estimator

MW-14 (bg)



n = 8

Slope = -0.3664
units per year.

Mann-Kendall
statistic = -11
critical = -15

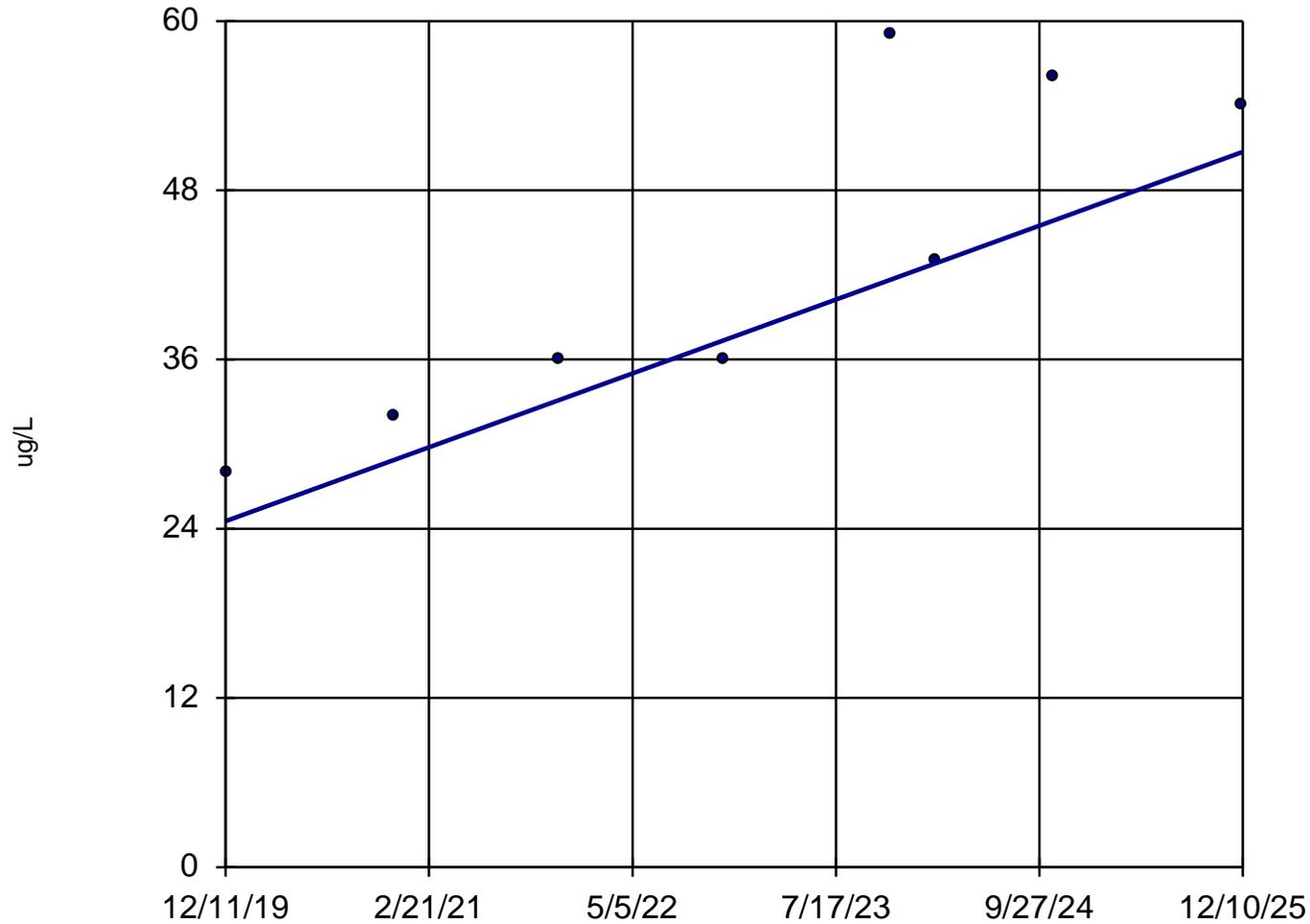
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-22



n = 8

Slope = 4.362
units per year.

Mann-Kendall
statistic = 19
critical = 15

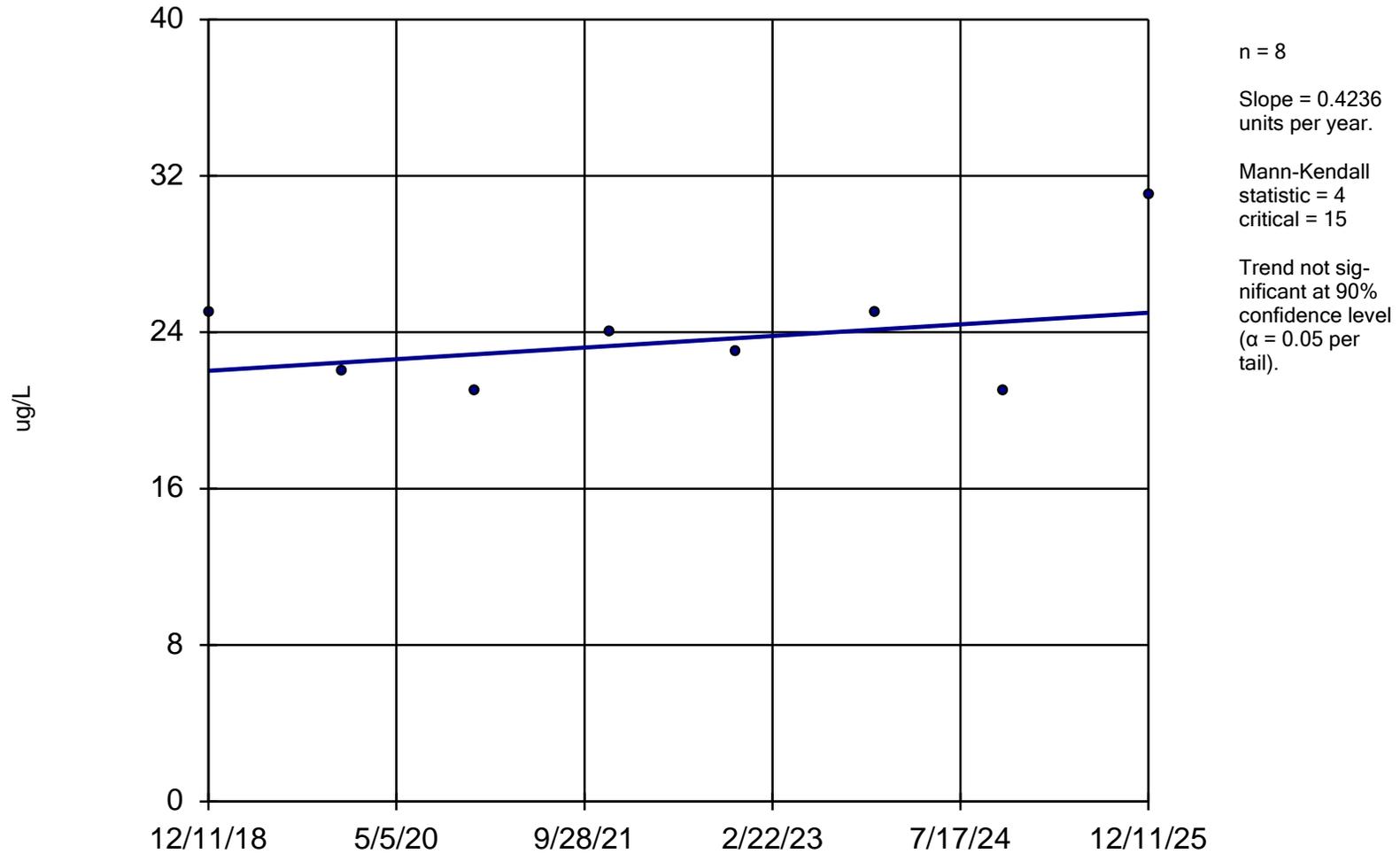
Increasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-060

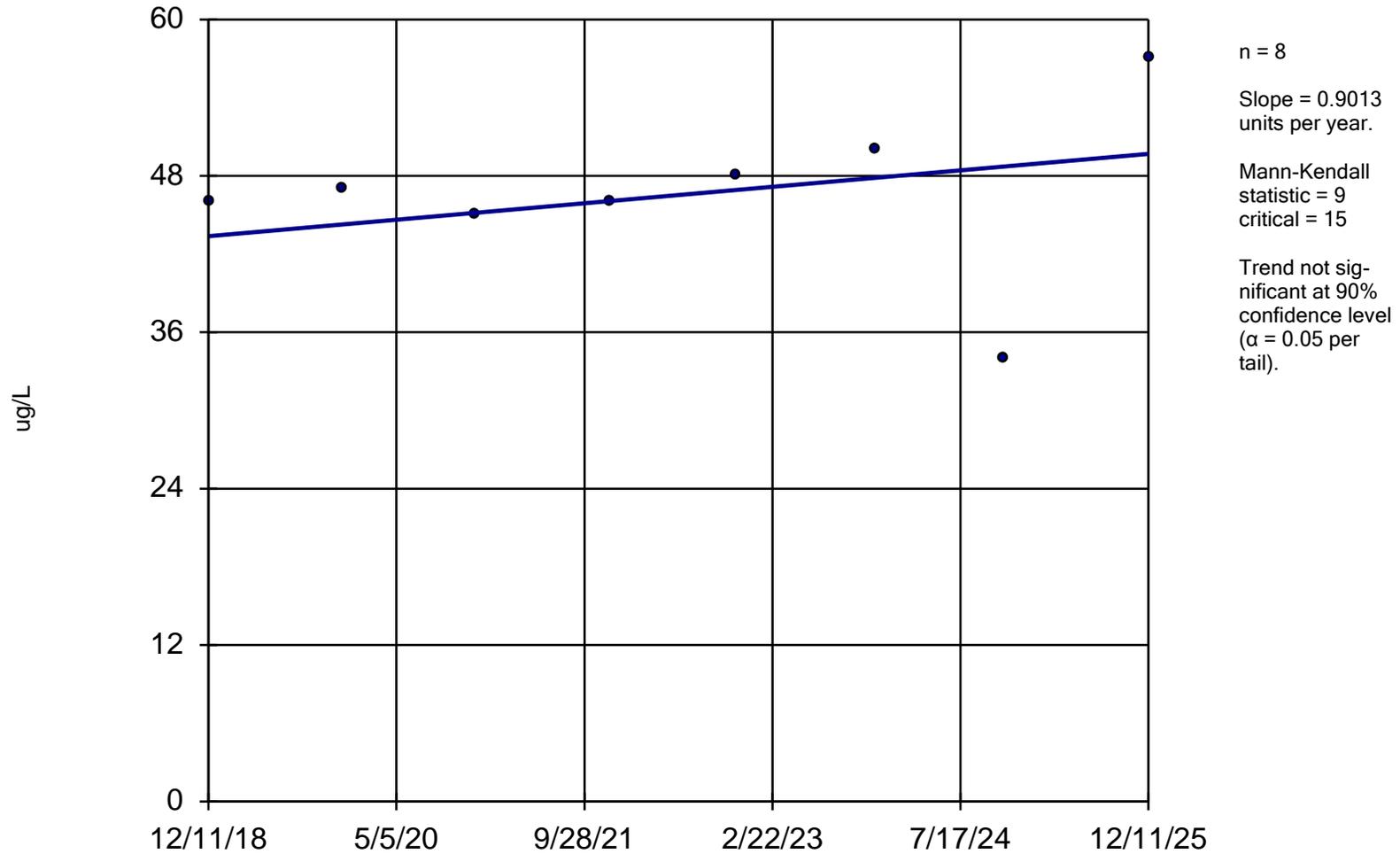


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-080

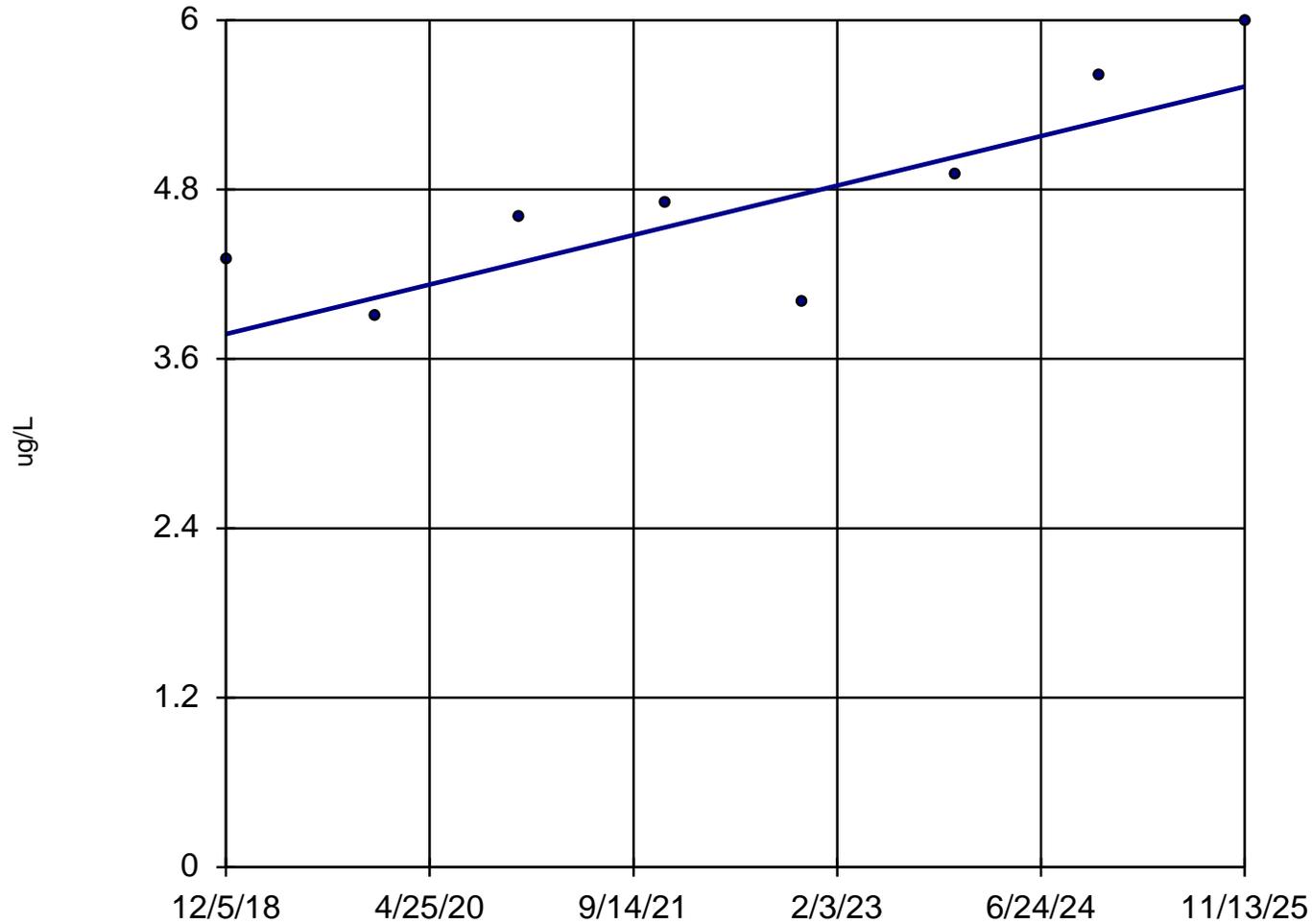


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-27-060



n = 8

Slope = 0.2525
units per year.

Mann-Kendall
statistic = 20
critical = 15

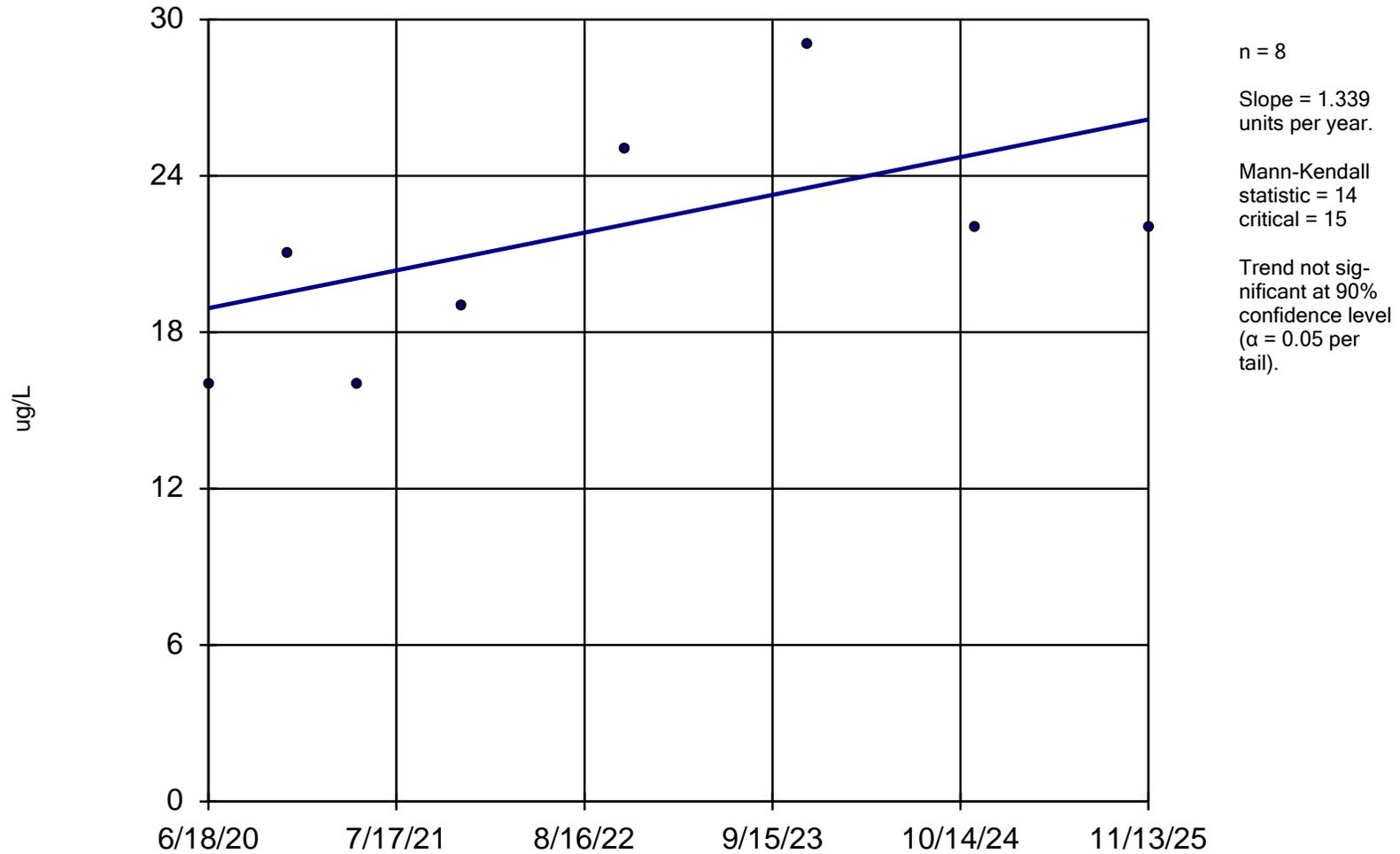
Increasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-27-085

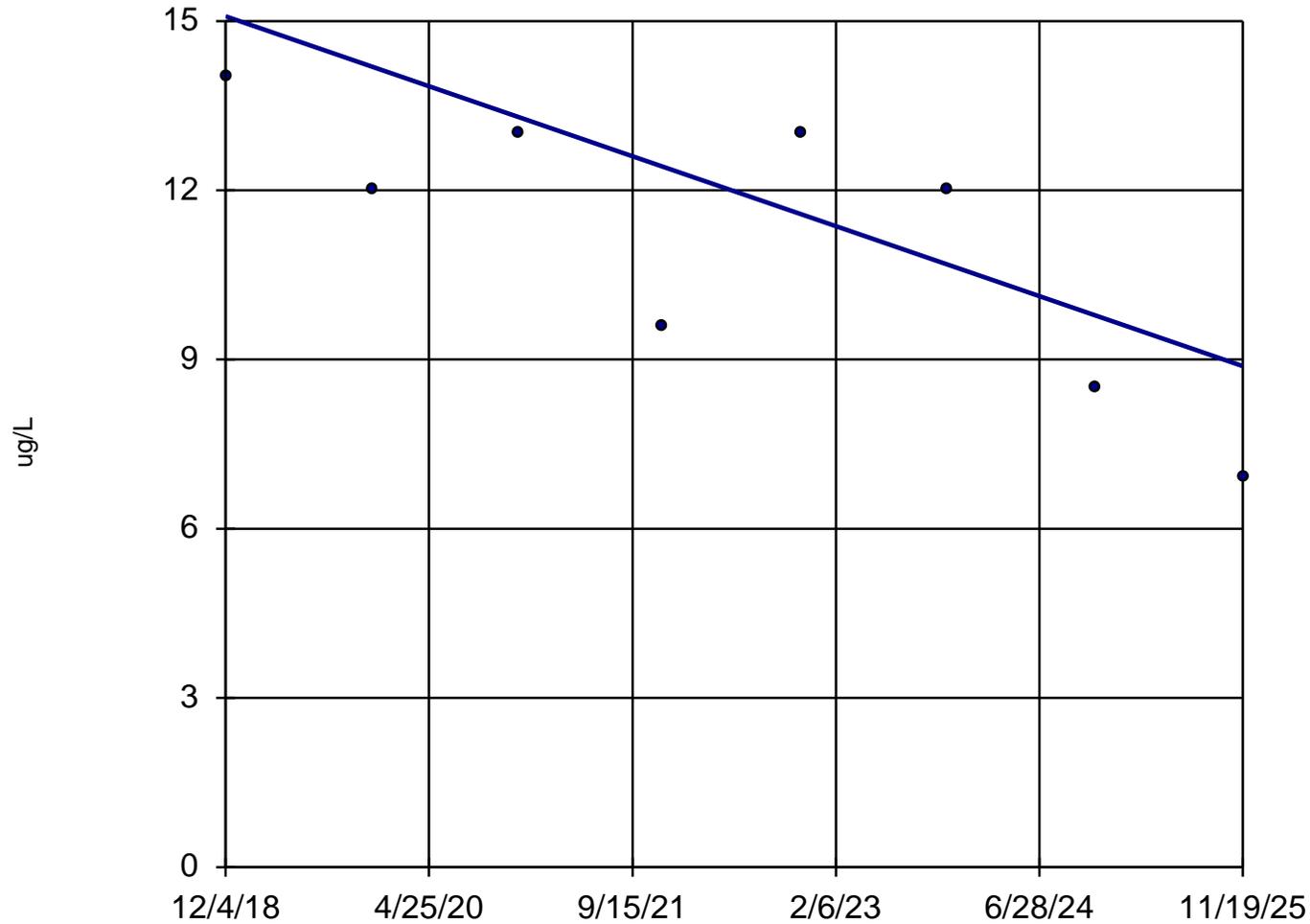


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-32-035



n = 8

Slope = -0.8907
units per year.

Mann-Kendall
statistic = -18
critical = -15

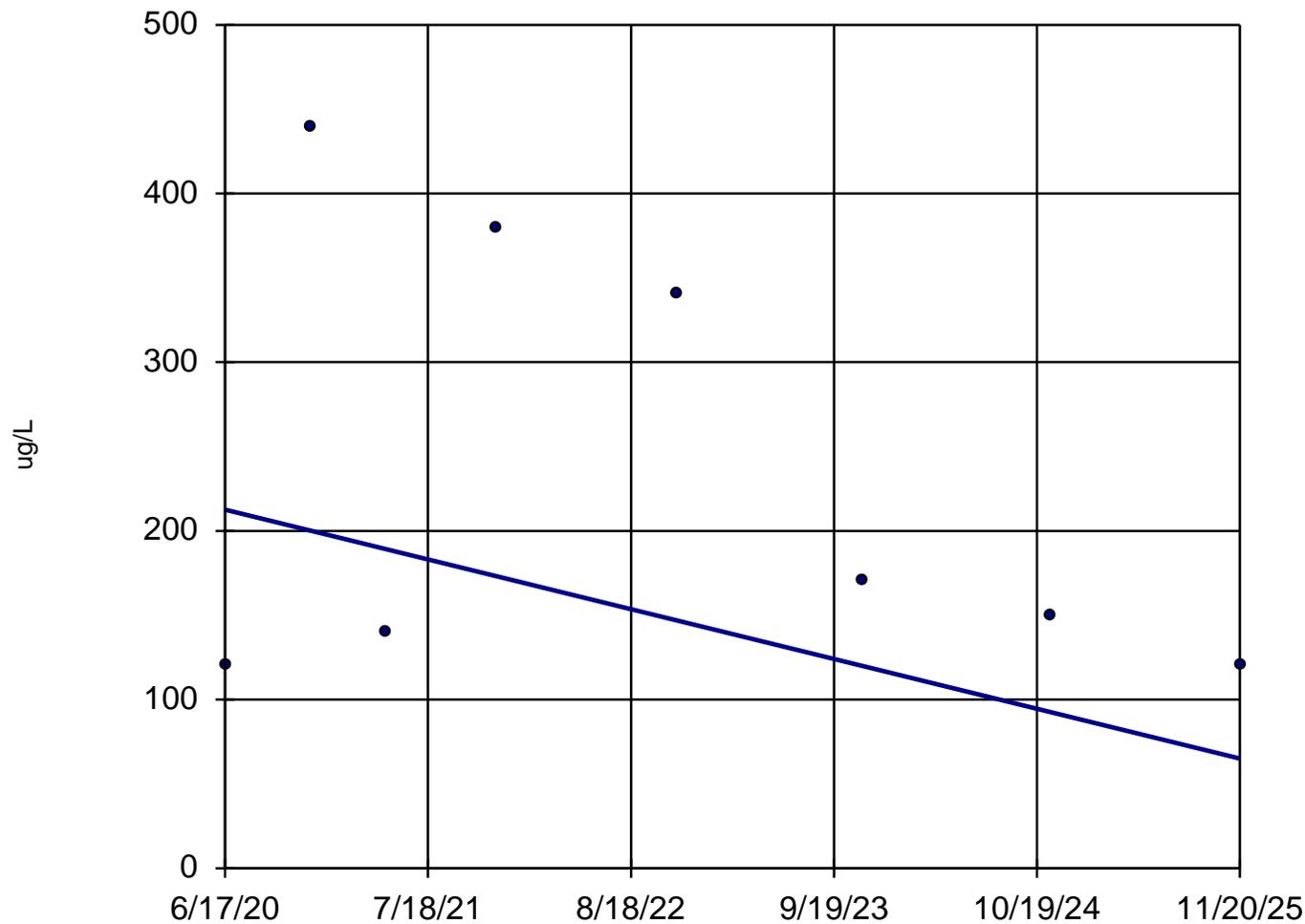
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-040



n = 8

Slope = -27.16
units per year.

Mann-Kendall
statistic = -7
critical = -15

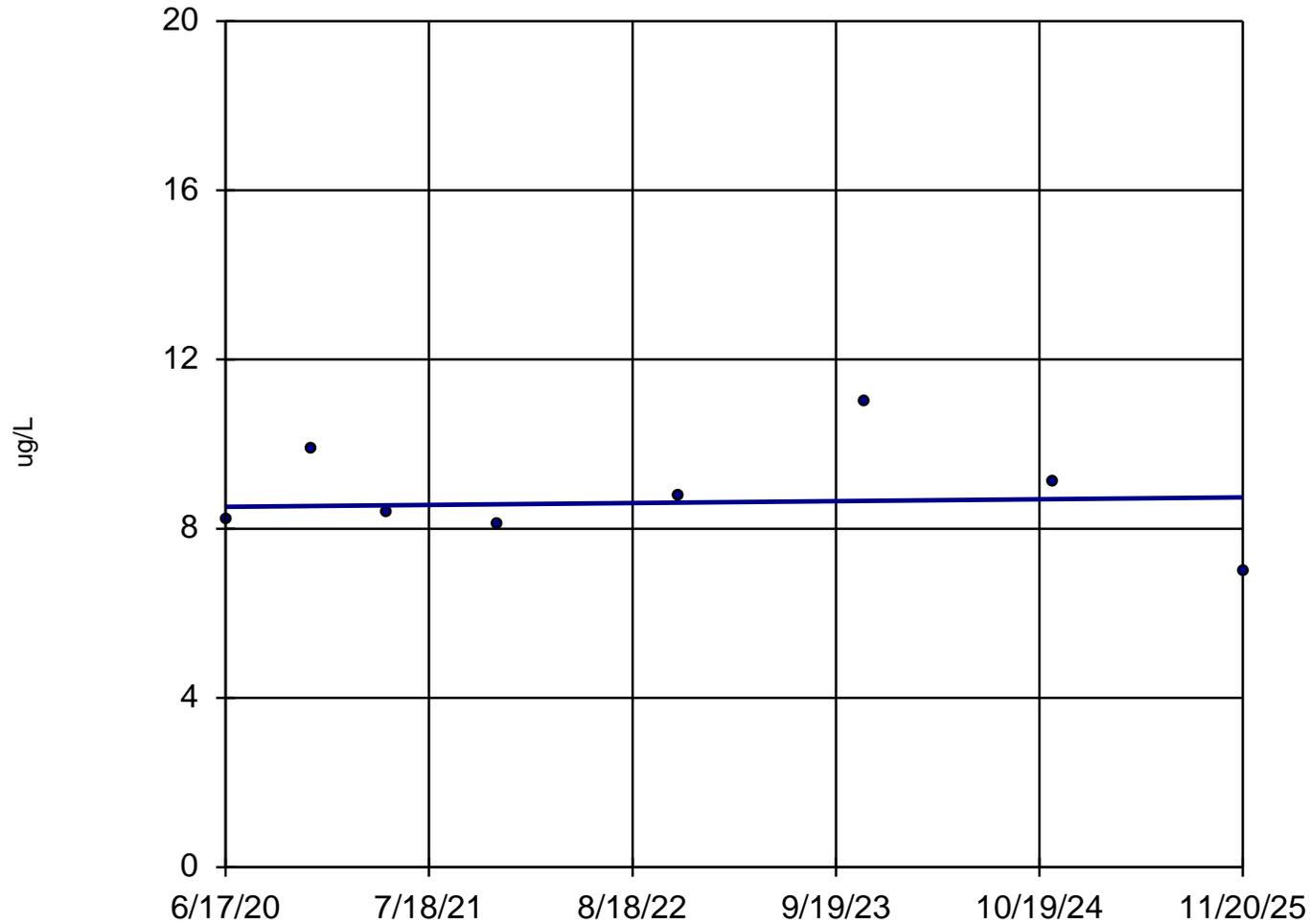
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-090



n = 8

Slope = 0.04084
units per year.

Mann-Kendall
statistic = 0
critical = 15

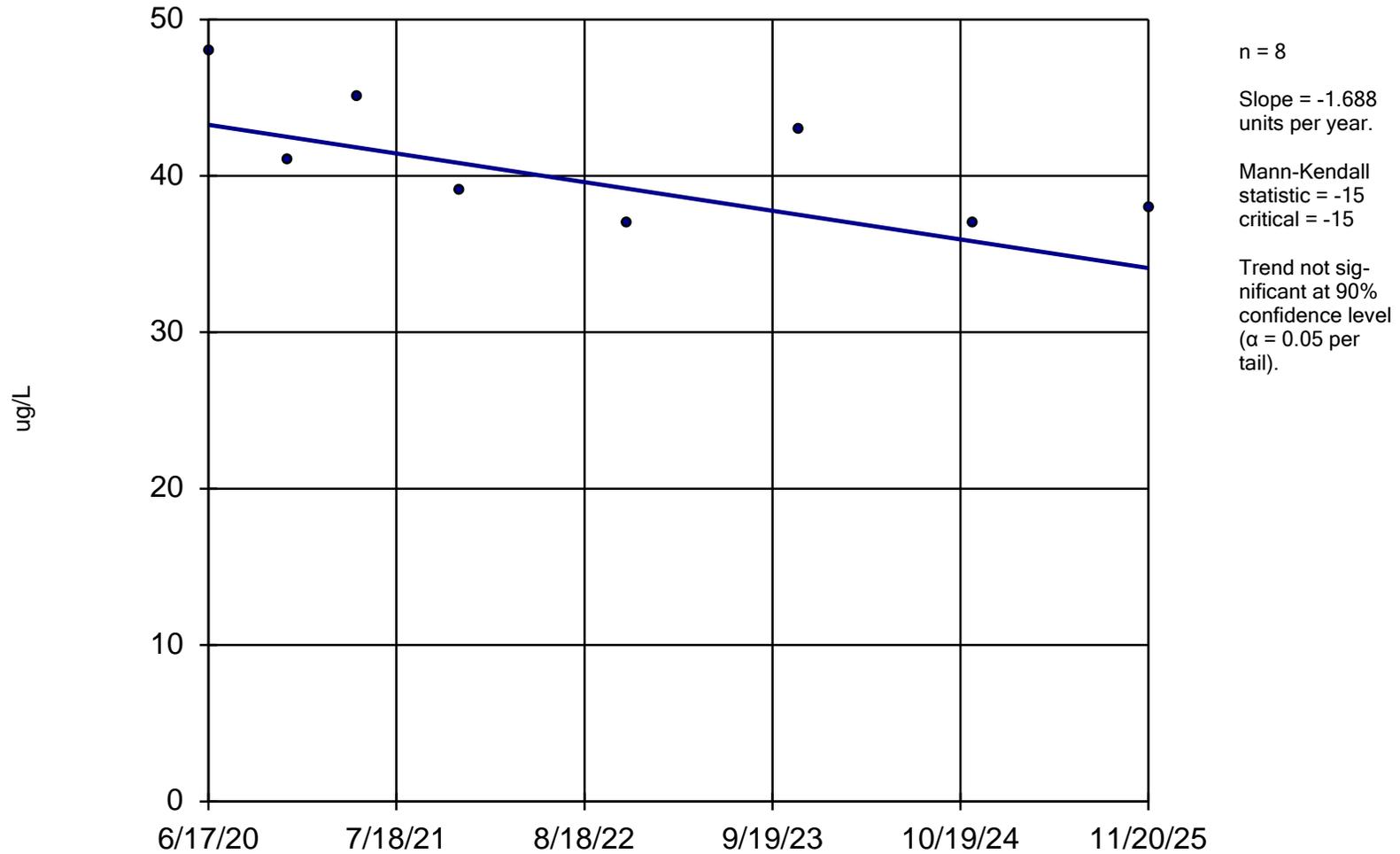
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-150

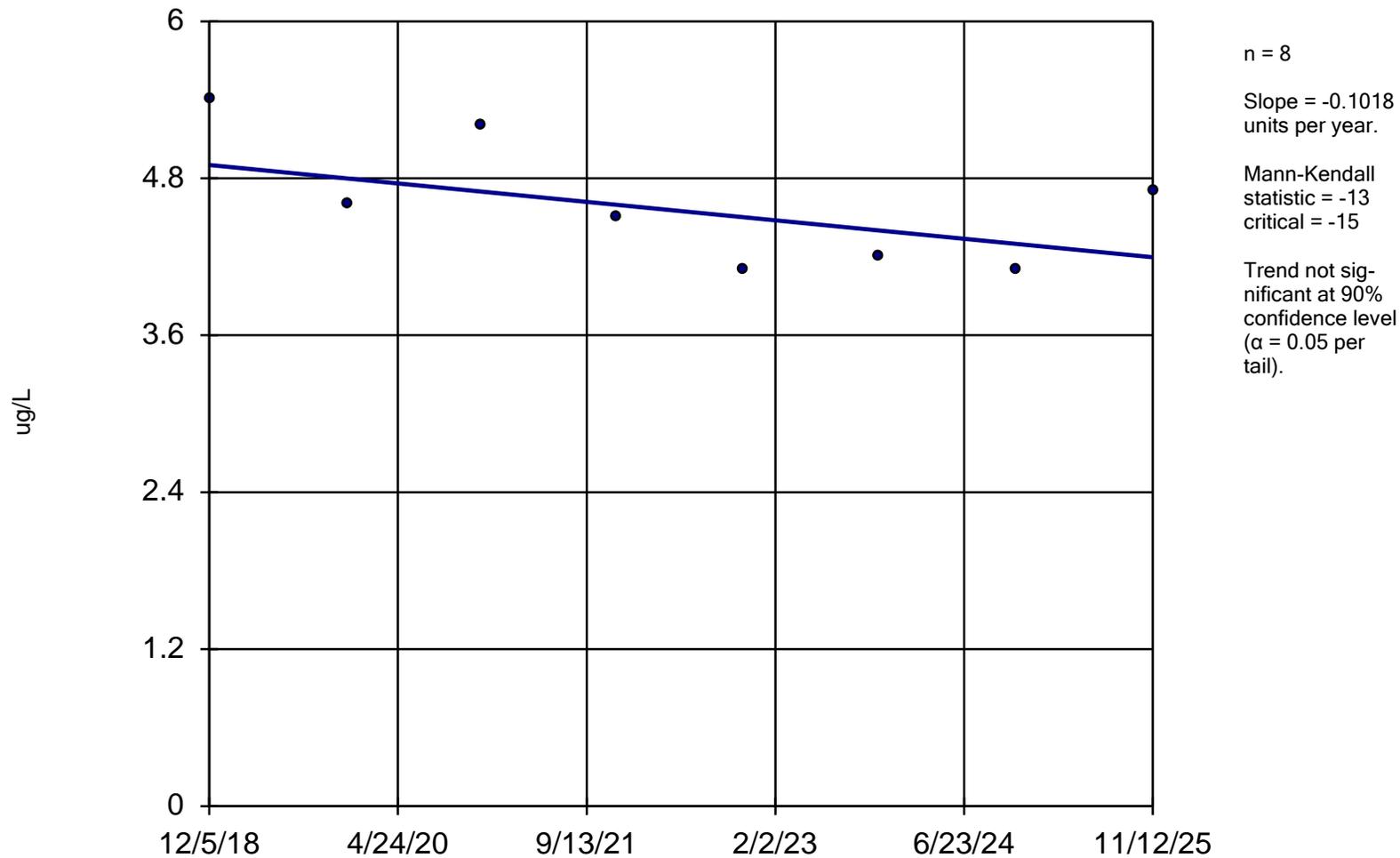


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-34-055

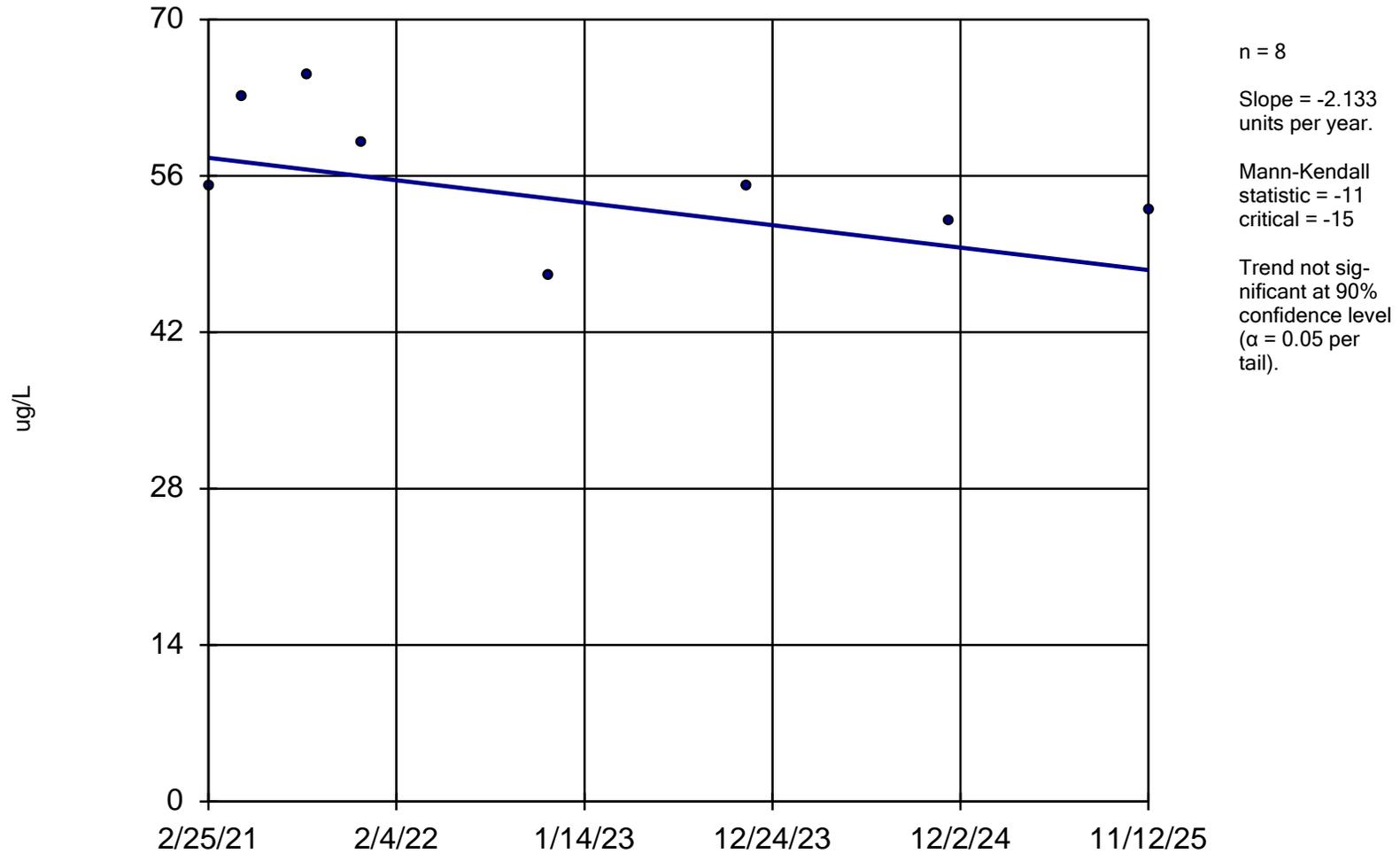


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-34-100

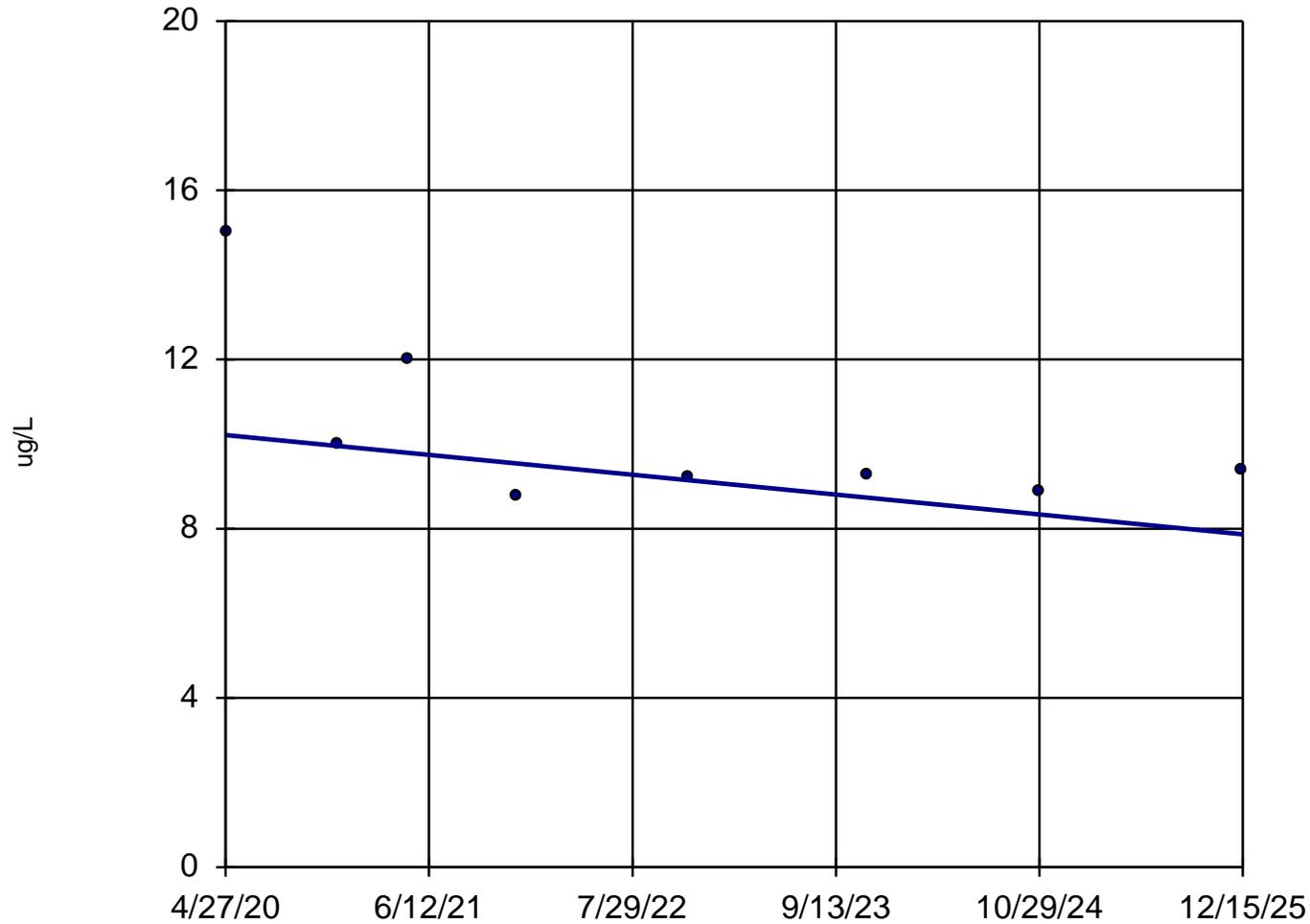


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-060



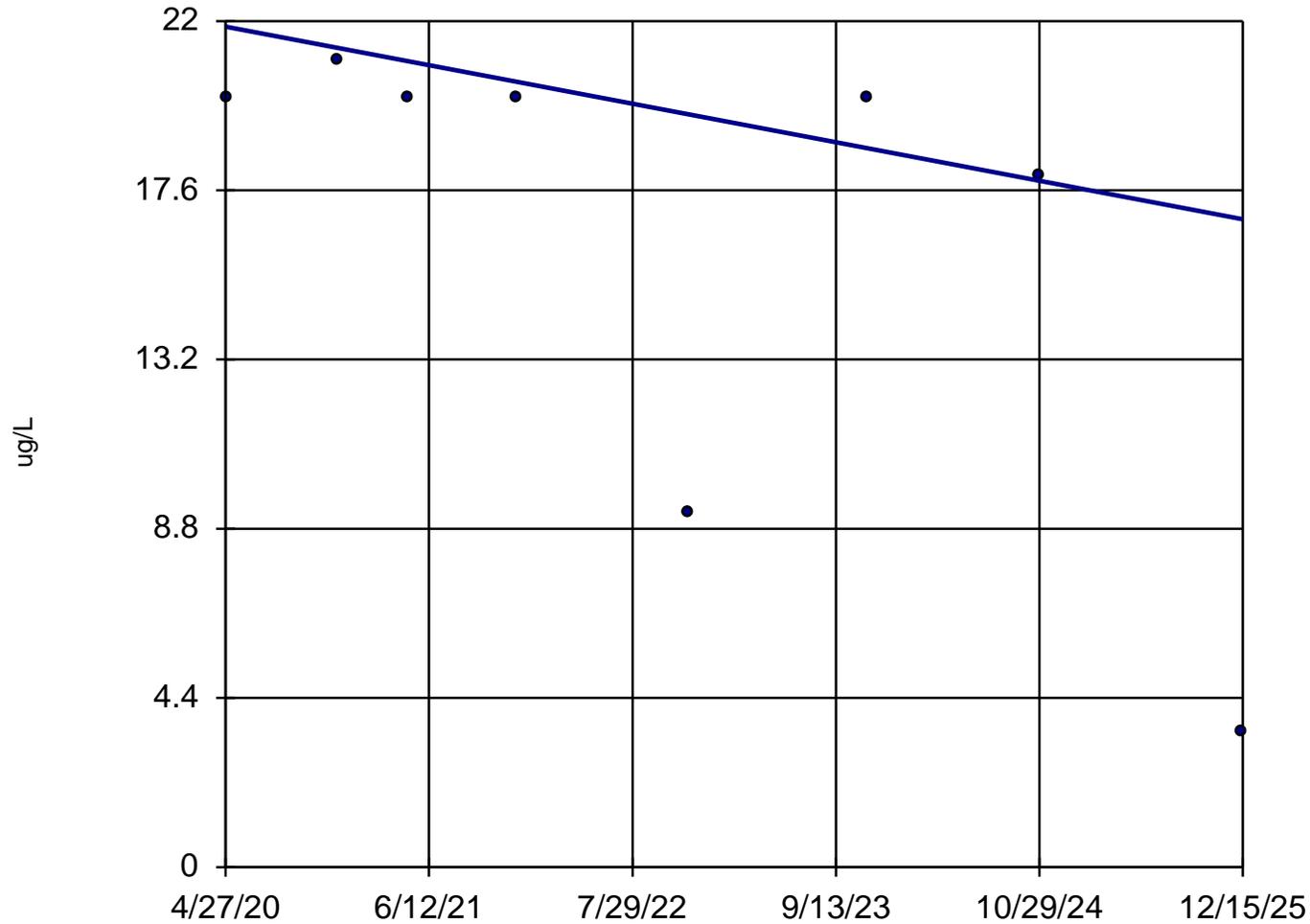
n = 8
Slope = -0.4163
units per year.
Mann-Kendall
statistic = -10
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-135



n = 8

Slope = -0.8883
units per year.

Mann-Kendall
statistic = -16
critical = -15

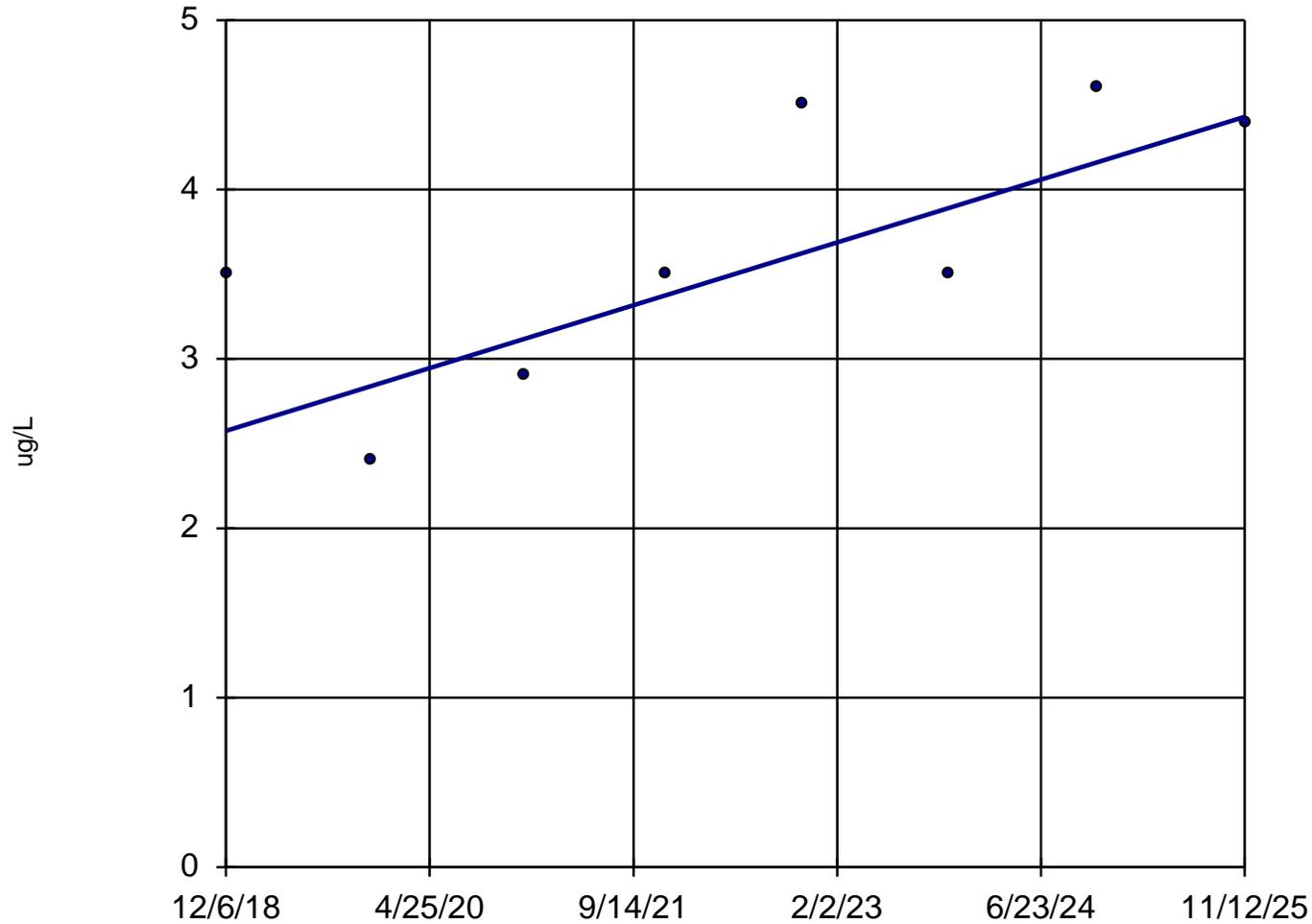
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-36-040



n = 8

Slope = 0.2671
units per year.

Mann-Kendall
statistic = 15
critical = 15

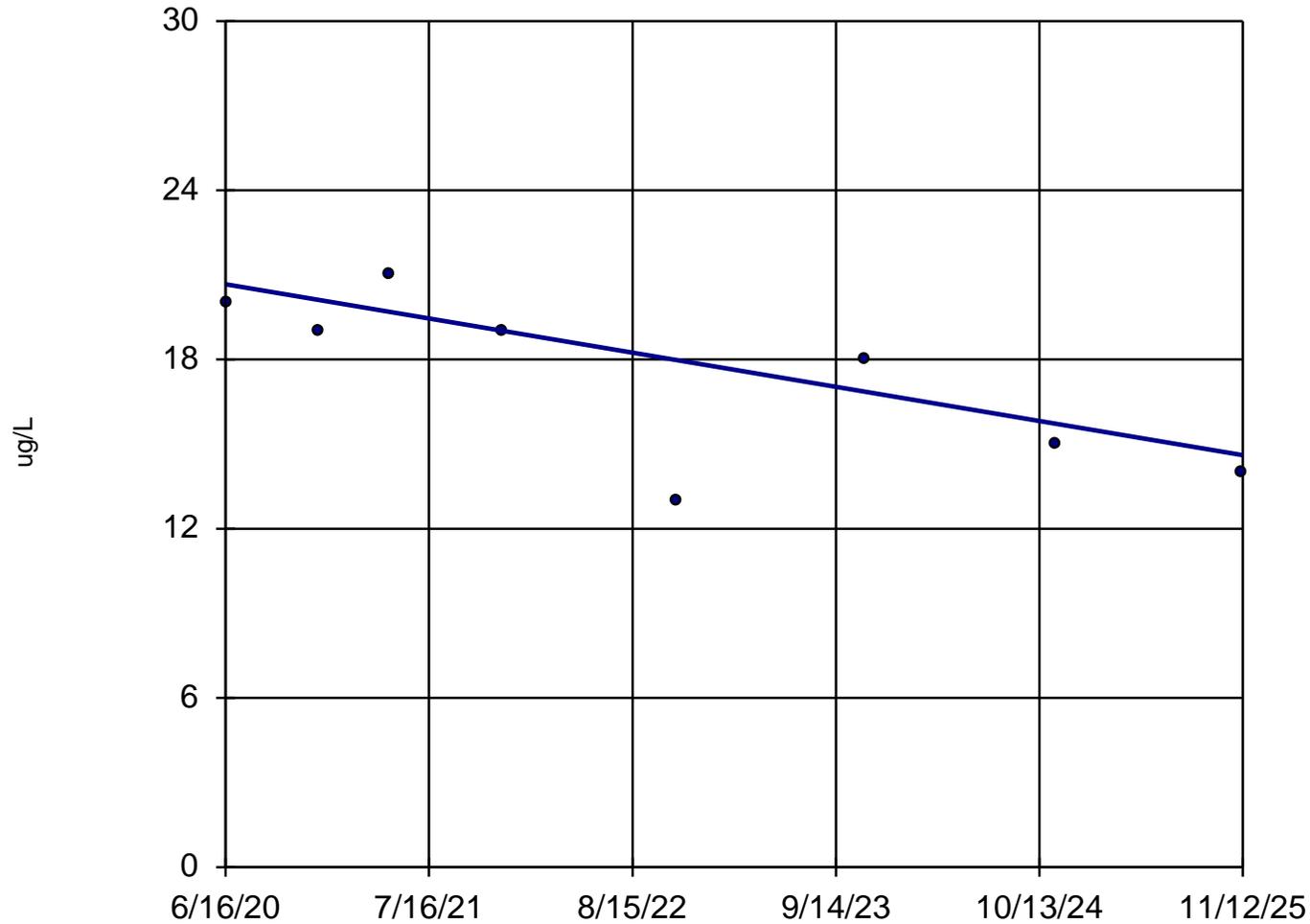
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-36-100



n = 8

Slope = -1.121
units per year.

Mann-Kendall
statistic = -17
critical = -15

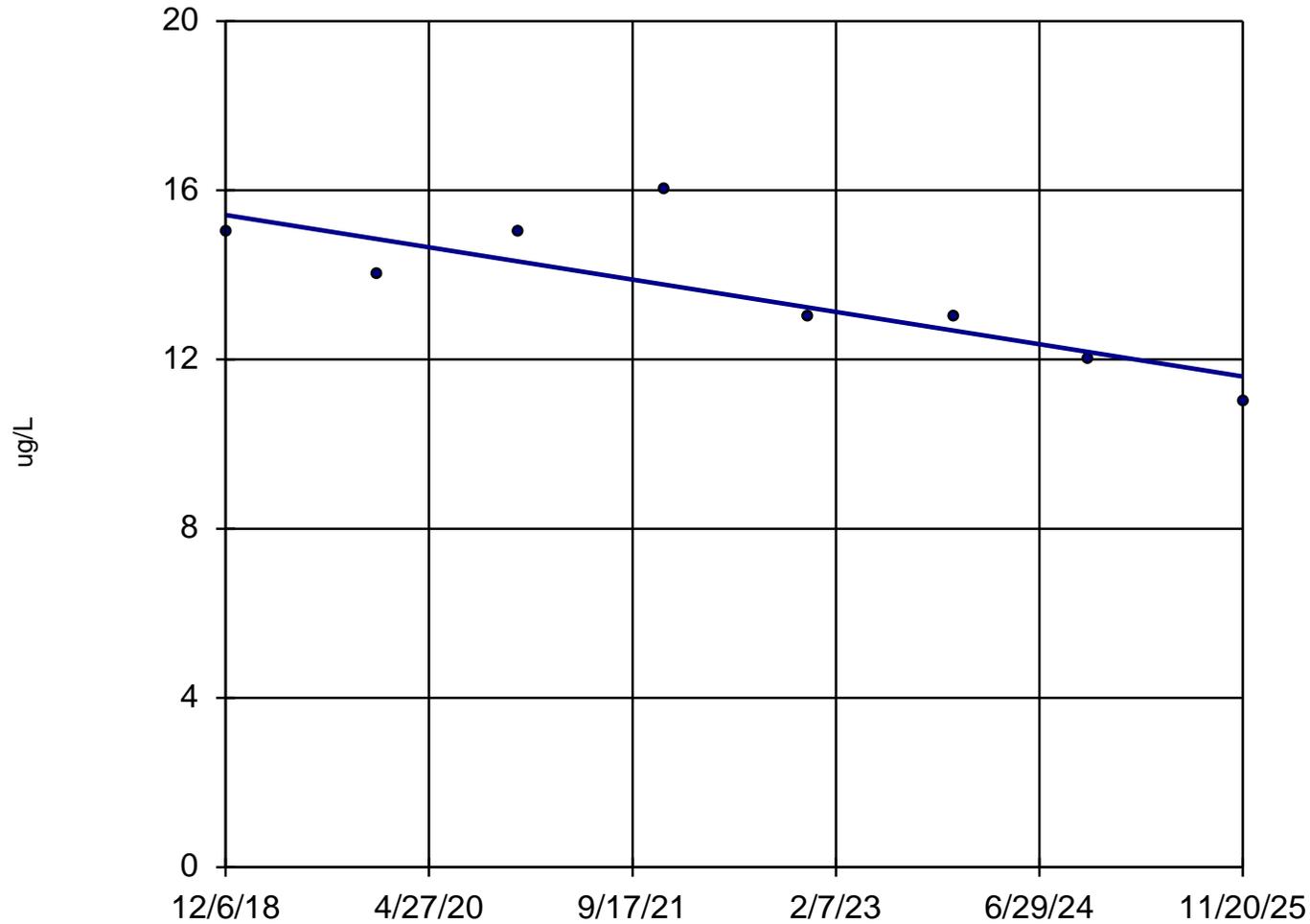
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-37S (bg)



n = 8

Slope = -0.5487
units per year.

Mann-Kendall
statistic = -18
critical = -15

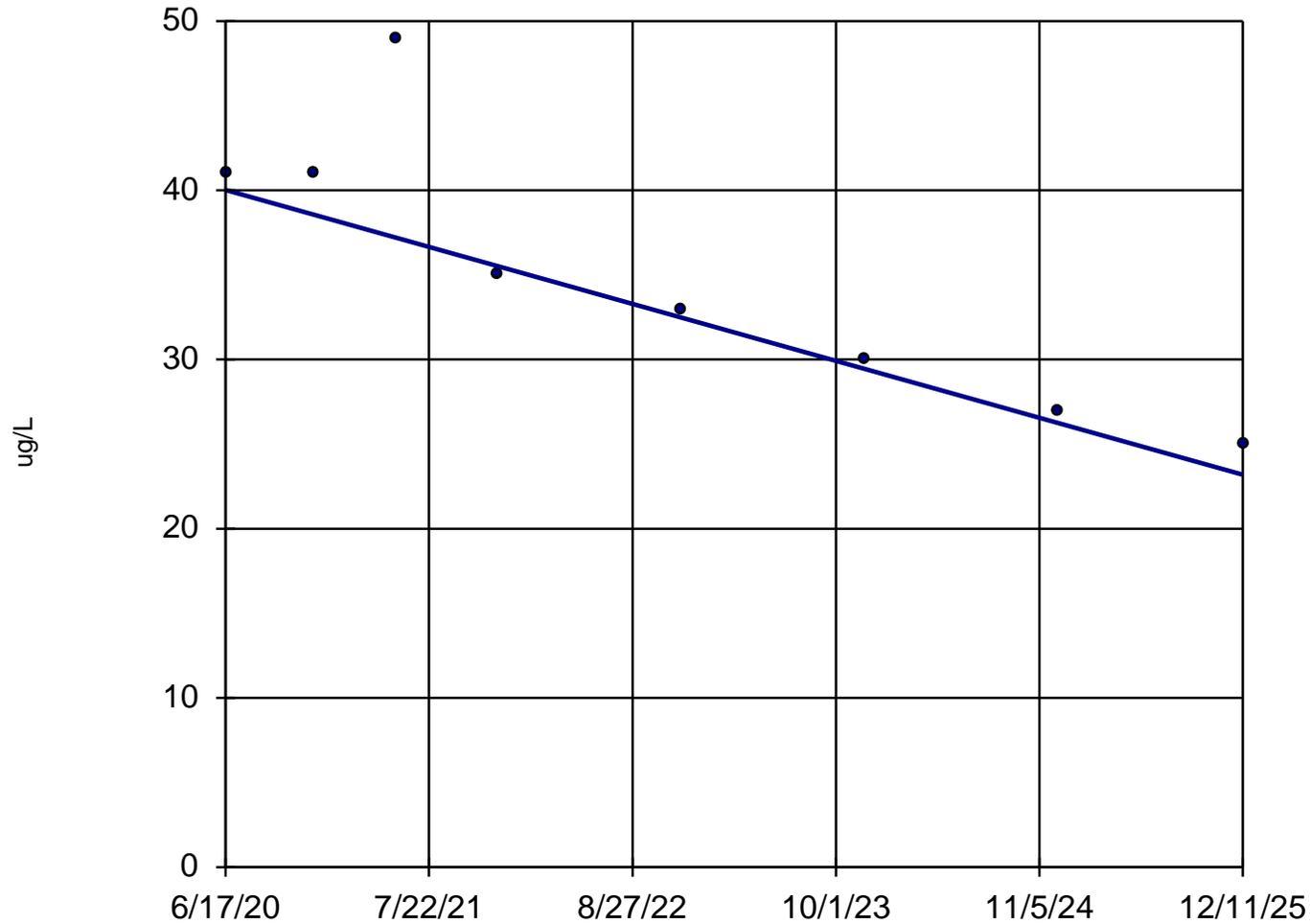
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40D (bg)



n = 8

Slope = -3.067
units per year.

Mann-Kendall
statistic = -23
critical = -15

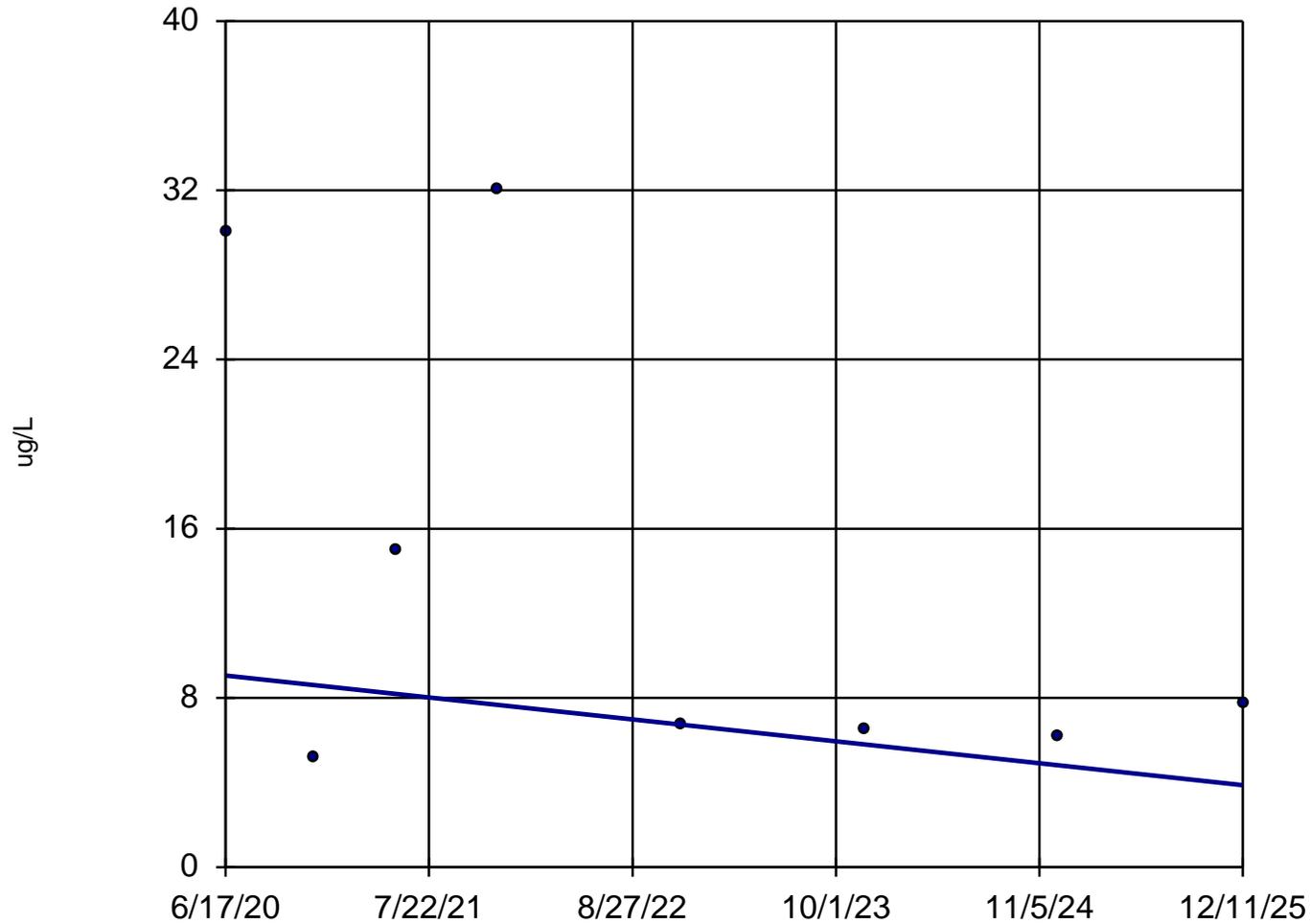
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40S (bg)



n = 8

Slope = -0.9436
units per year.

Mann-Kendall
statistic = -6
critical = -15

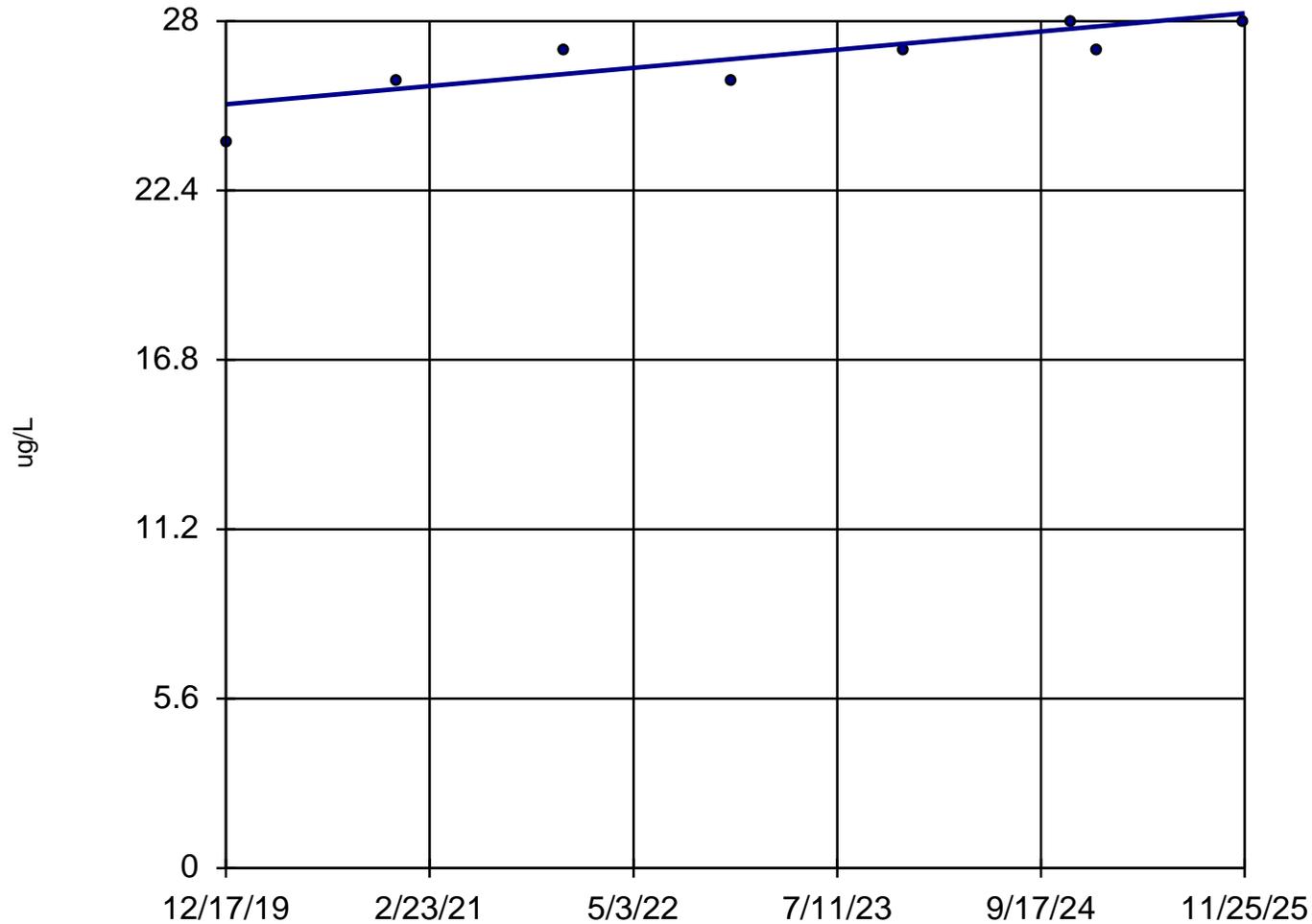
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41M (bg)



n = 8

Slope = 0.5059
units per year.

Mann-Kendall
statistic = 19
critical = 15

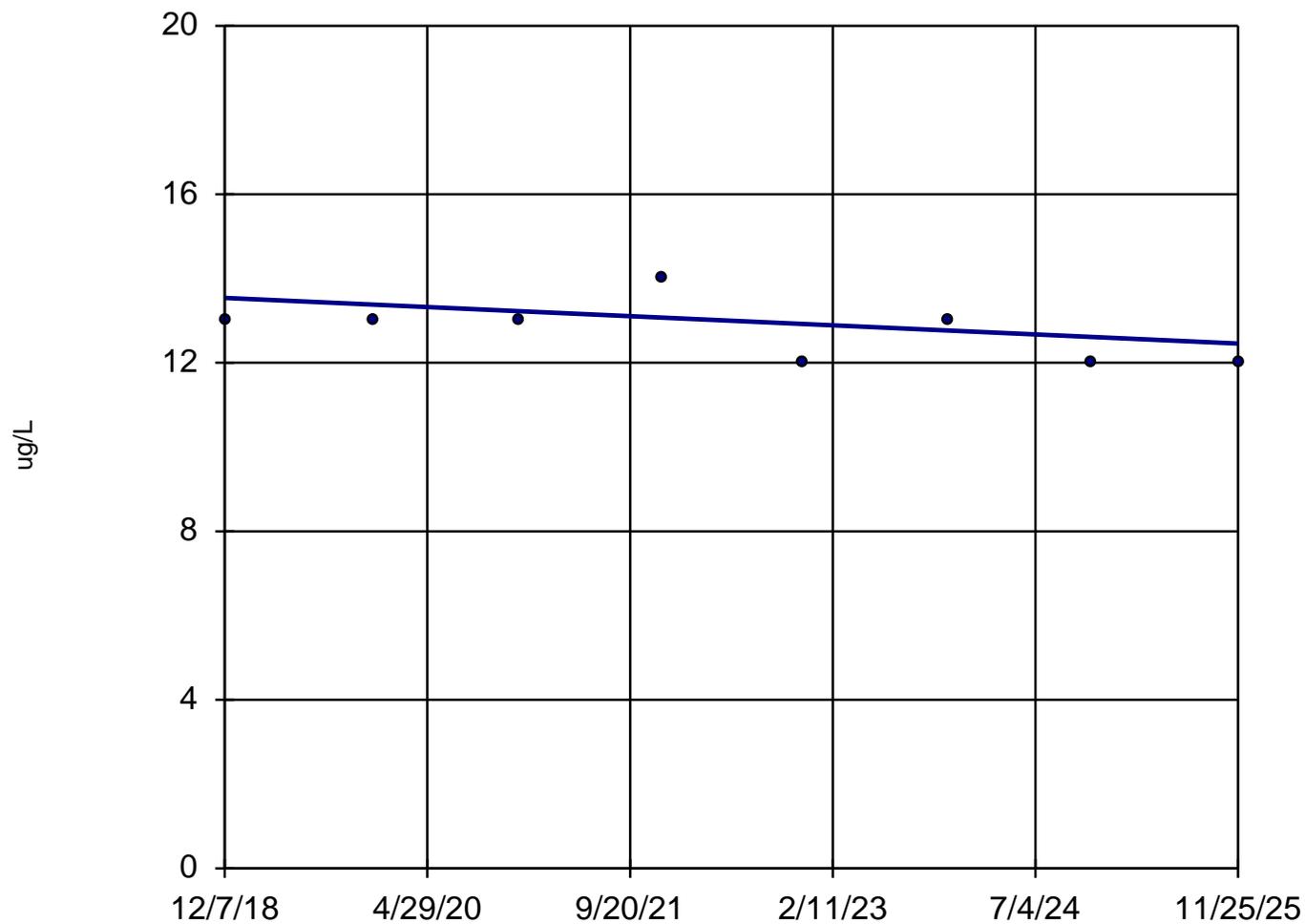
Increasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41S (bg)



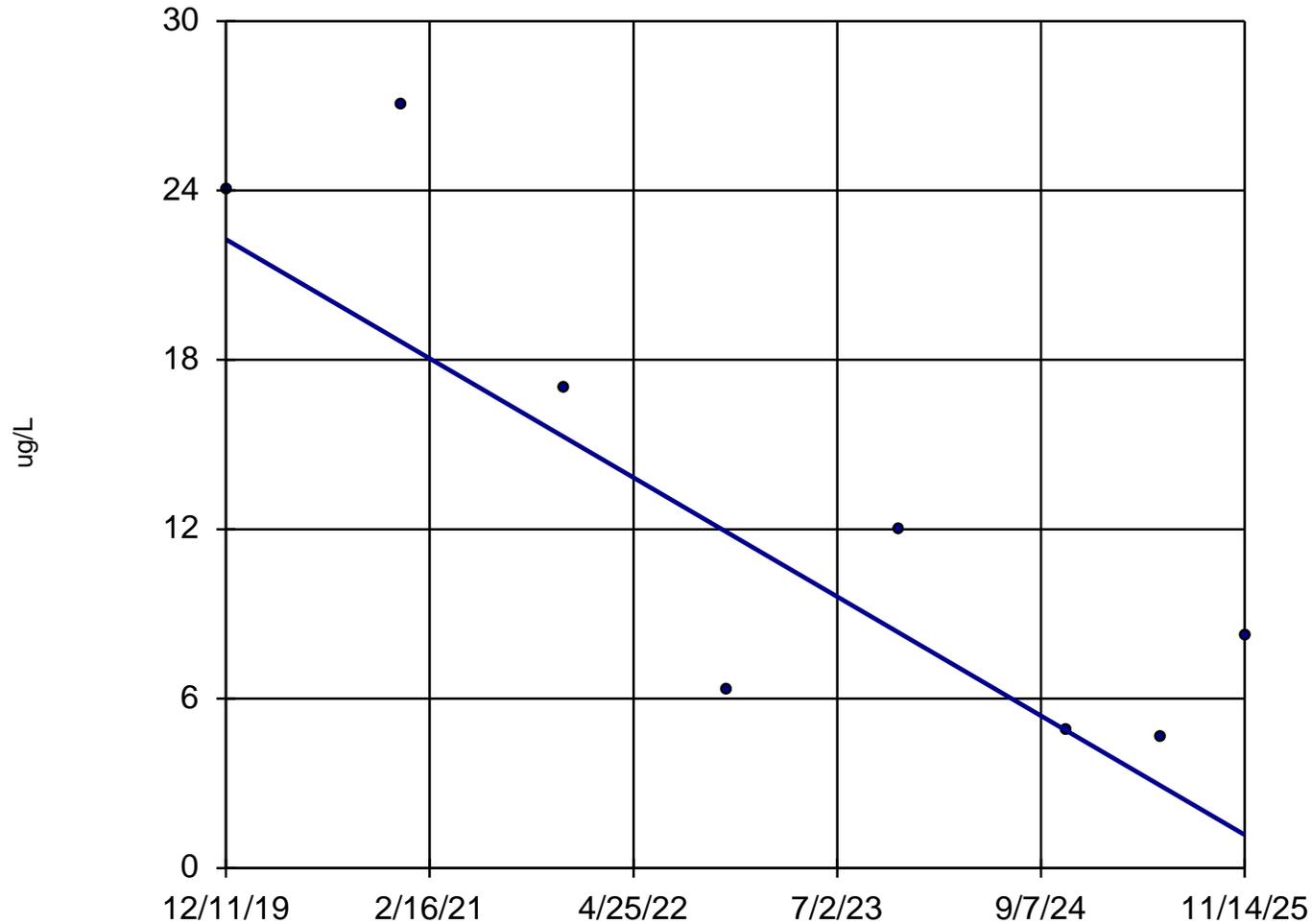
n = 8
Slope = -0.1555 units per year.
Mann-Kendall statistic = -11
critical = -15
Trend not significant at 90% confidence level ($\alpha = 0.05$ per tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-42-030



n = 8

Slope = -3.555
units per year.

Mann-Kendall
statistic = -18
critical = -15

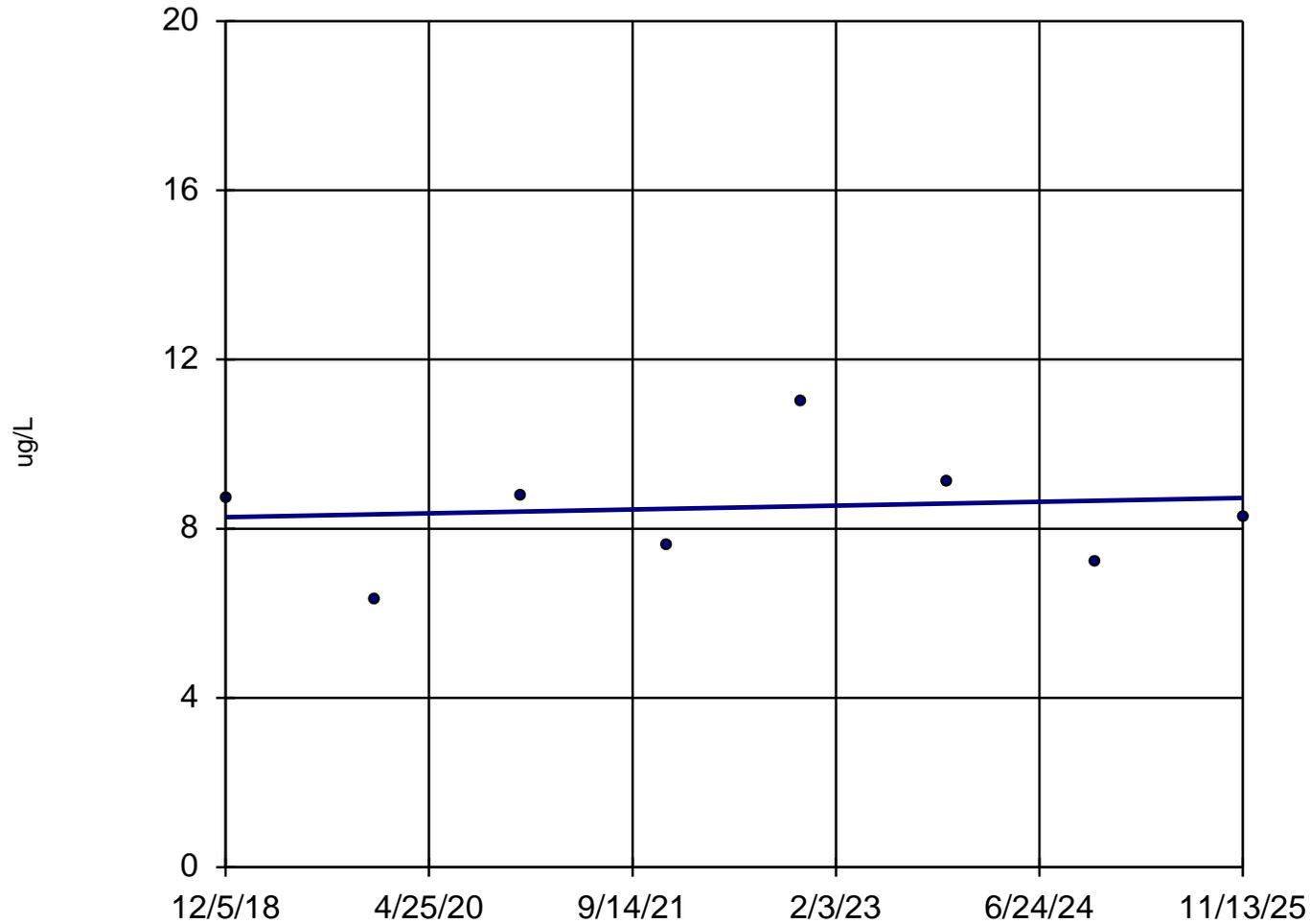
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-44-070



n = 8

Slope = 0.06534
units per year.

Mann-Kendall
statistic = 2
critical = 15

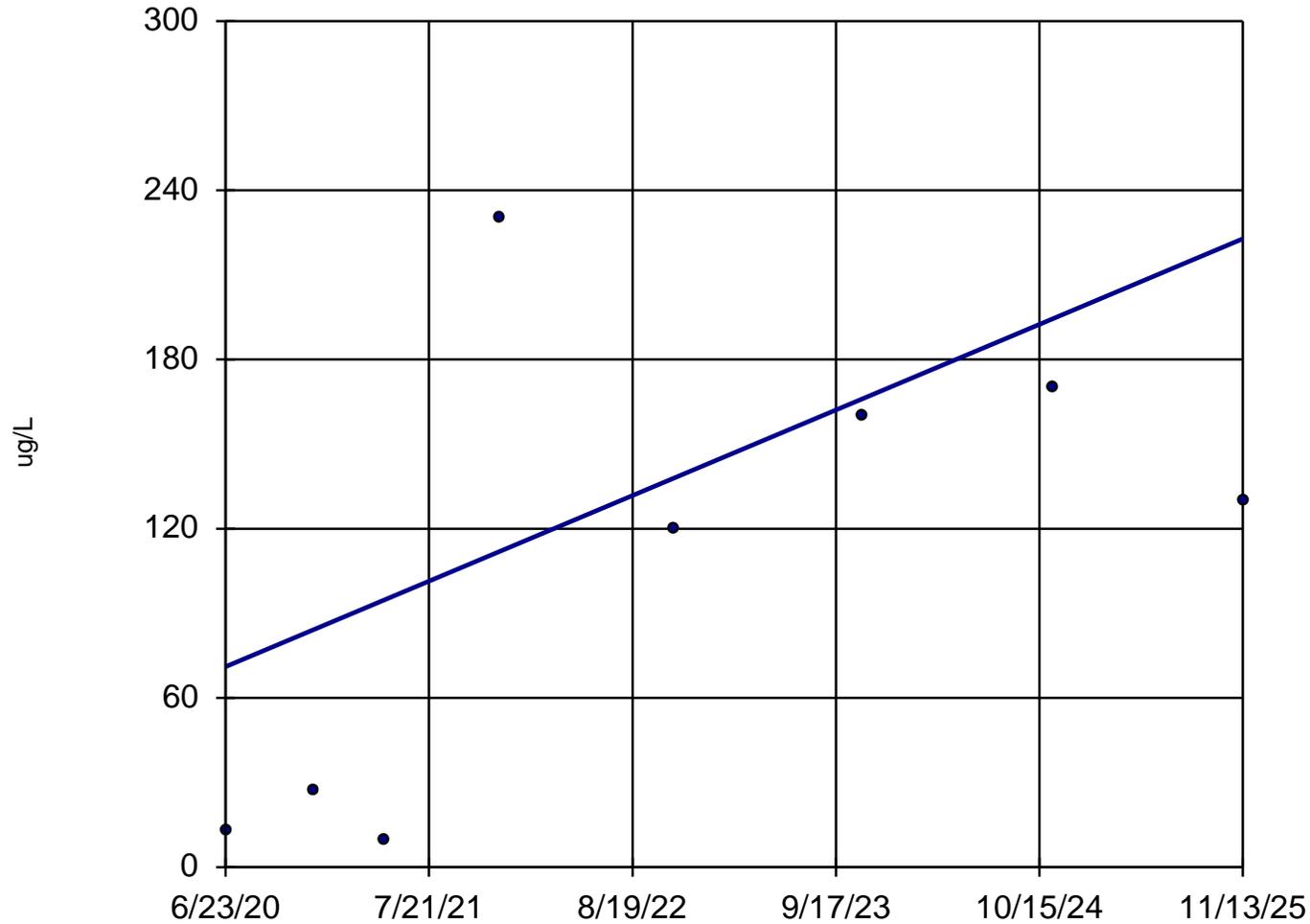
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-44-125



n = 8

Slope = 28.13
units per year.

Mann-Kendall
statistic = 12
critical = 15

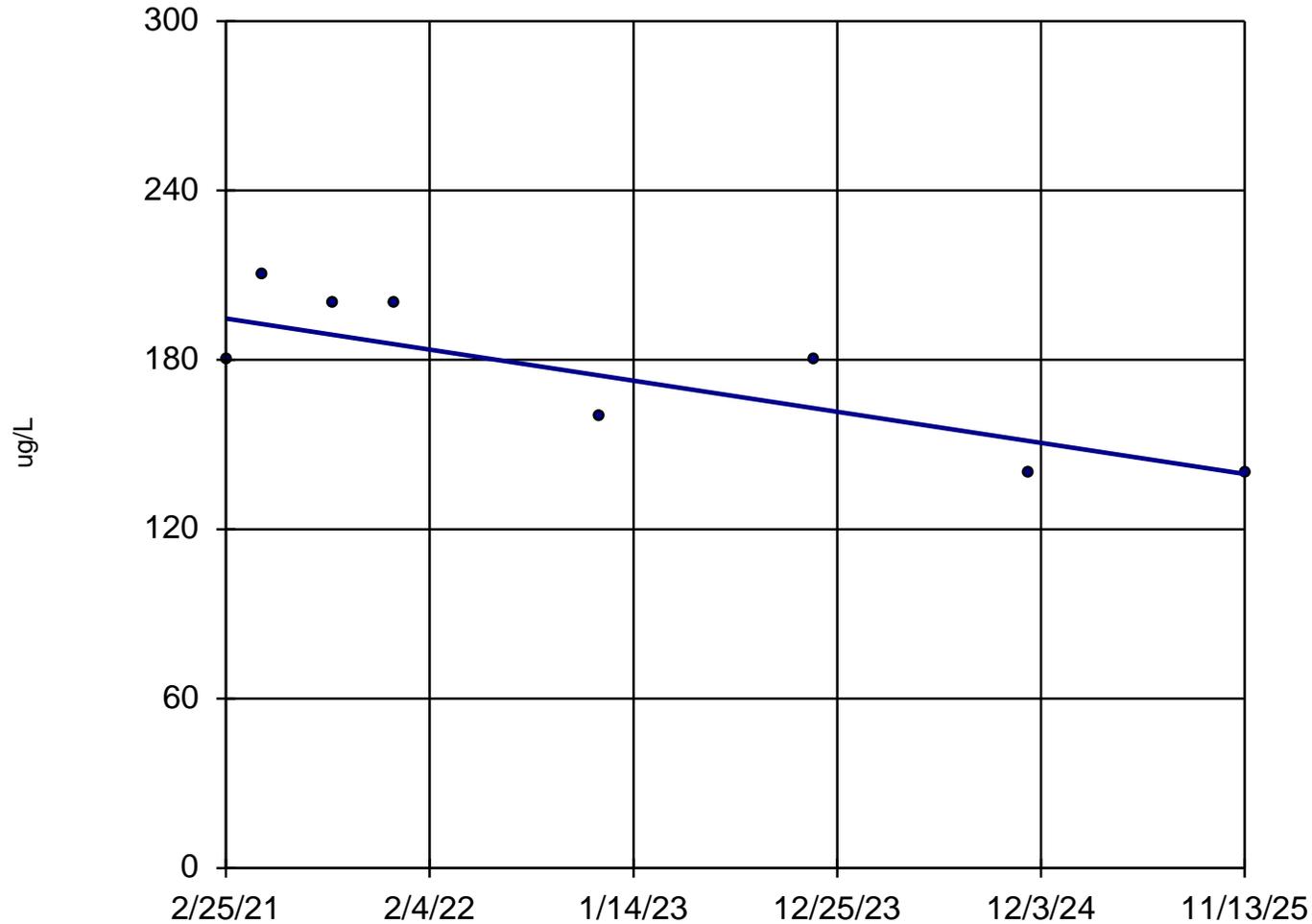
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-46-175



n = 8

Slope = -11.67
units per year.

Mann-Kendall
statistic = -17
critical = -15

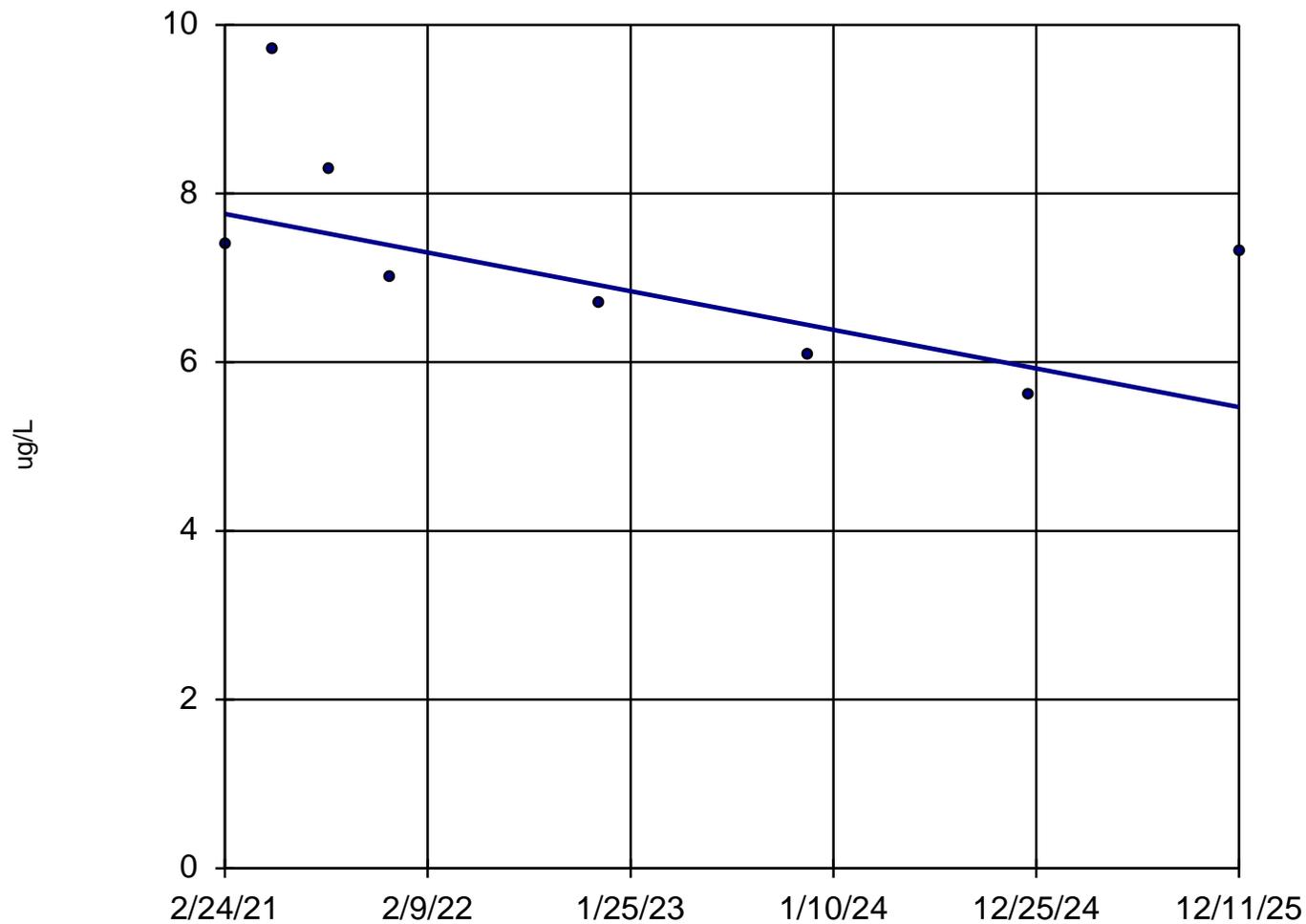
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-183 (bg)



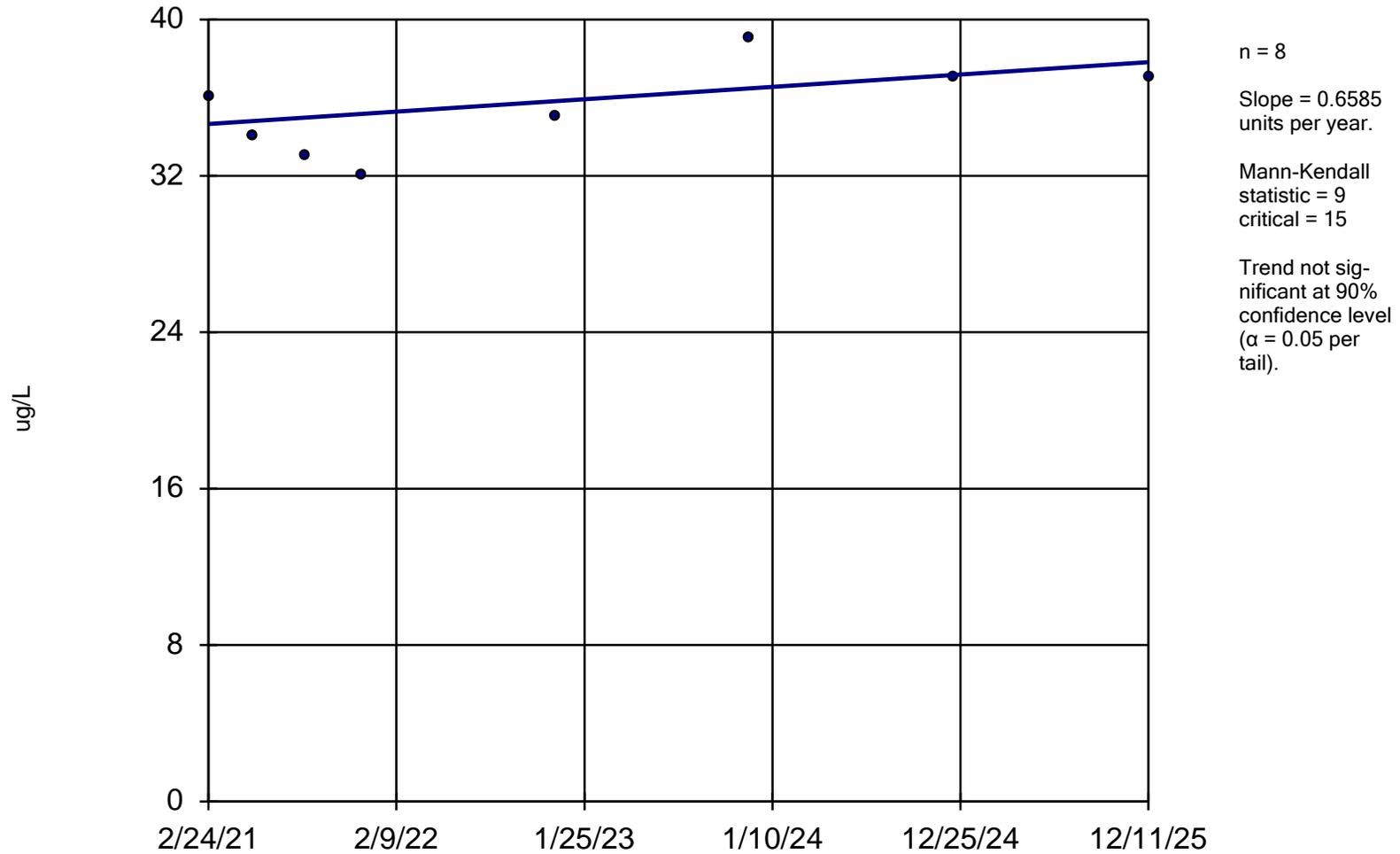
n = 8
Slope = -0.4776 units per year.
Mann-Kendall statistic = -16
critical = -15
Decreasing trend significant at 90% confidence level ($\alpha = 0.05$ per tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-273 (bg)

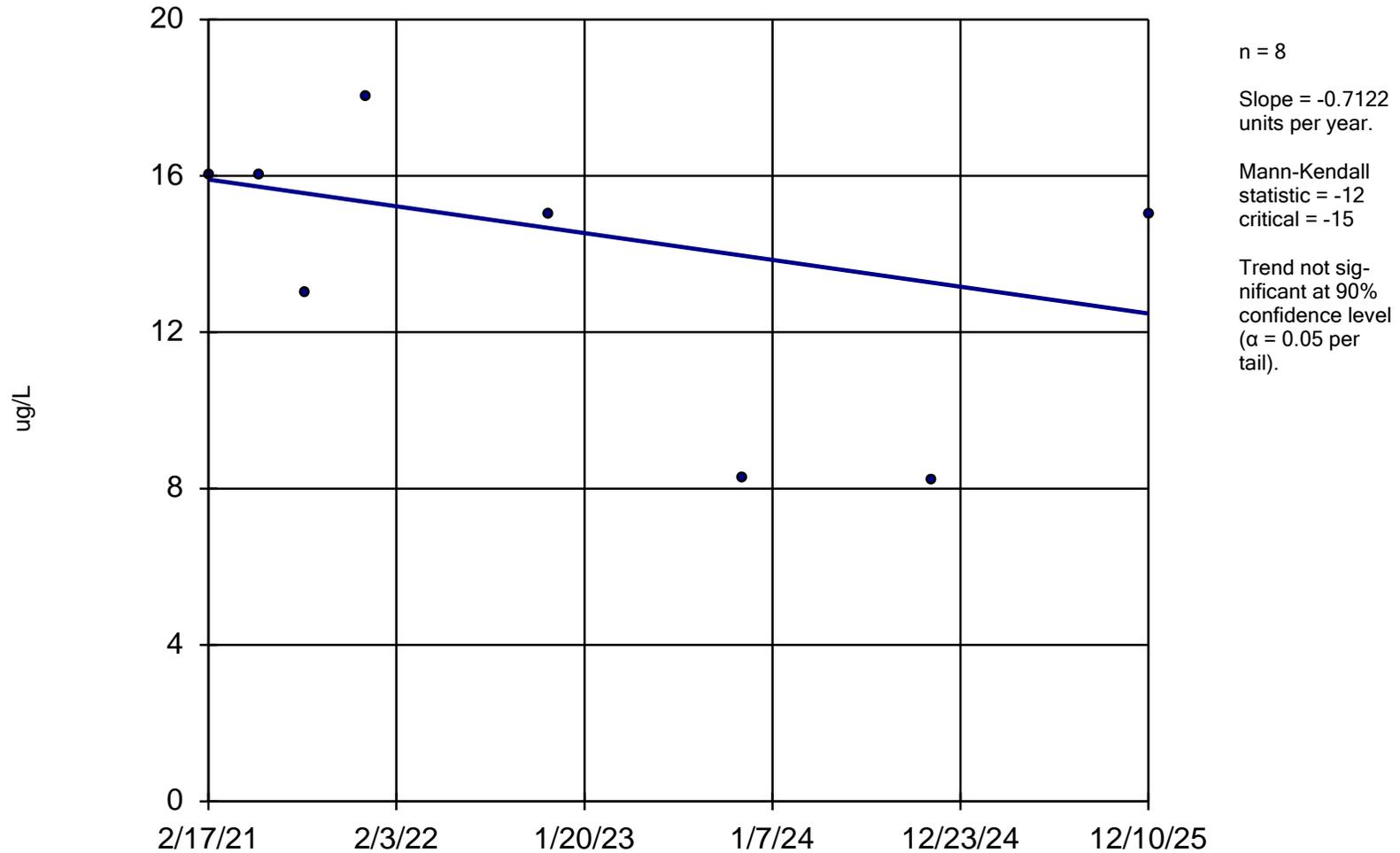


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-90-031

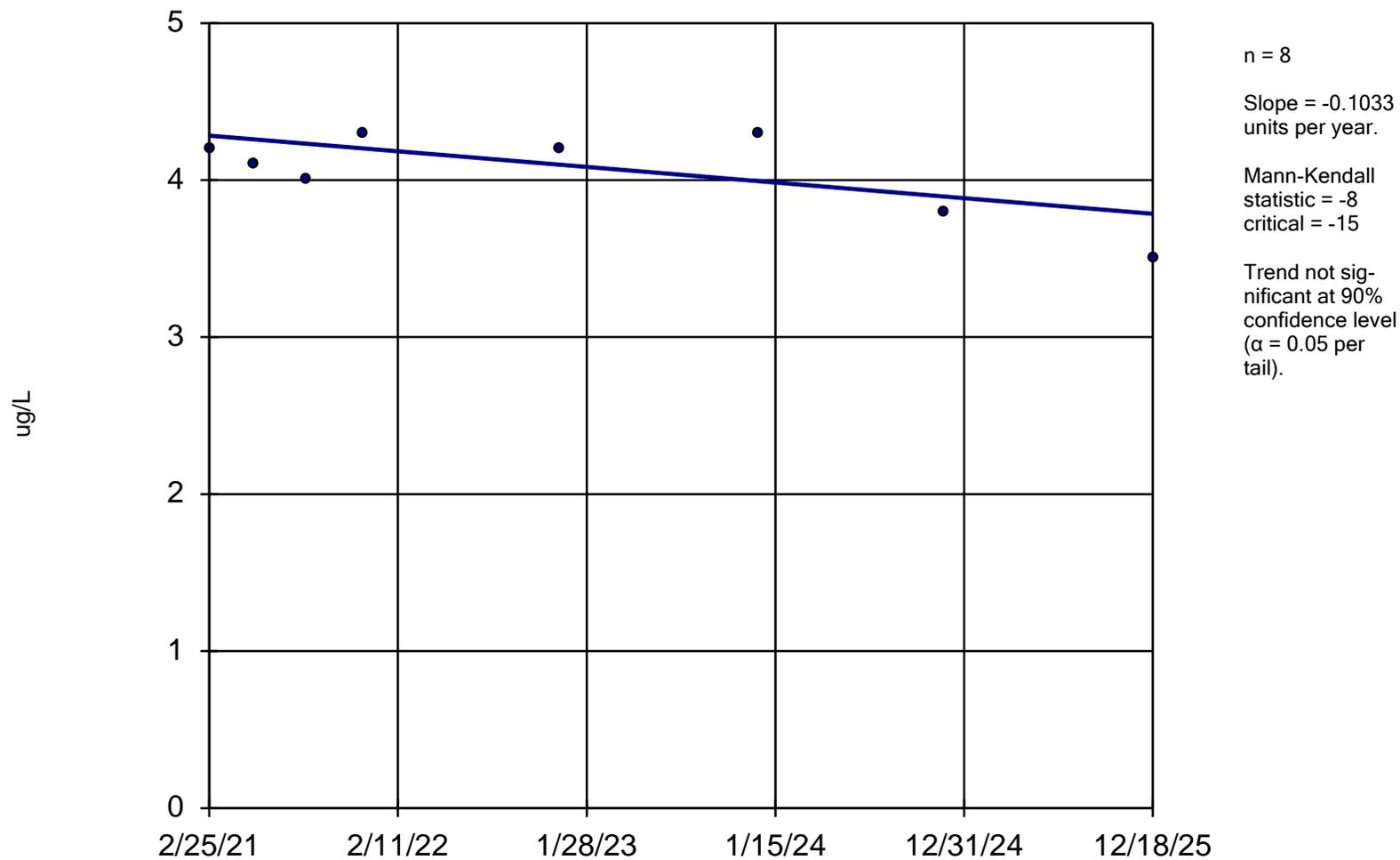


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-113 (bg)

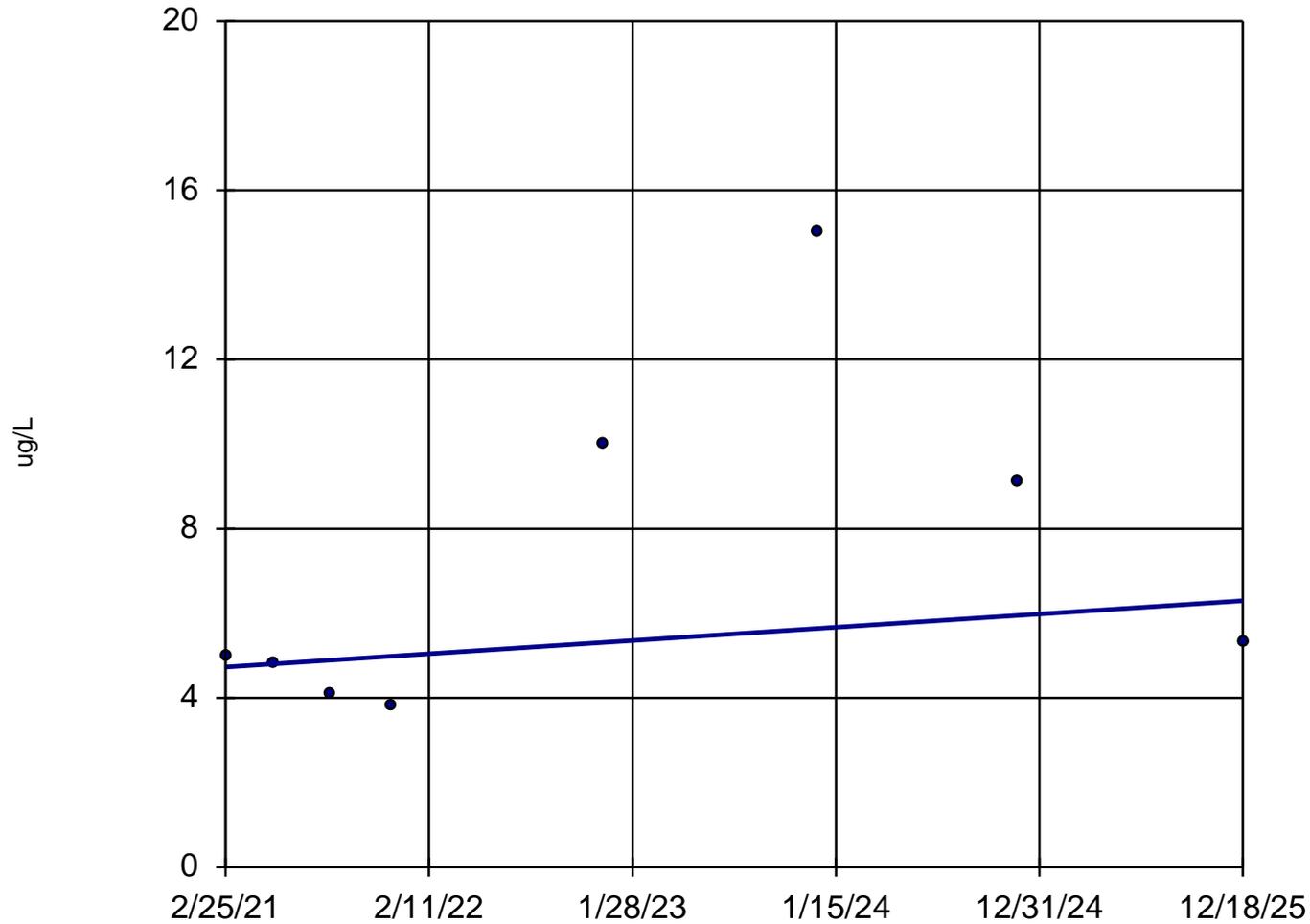


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-157 (bg)



n = 8

Slope = 0.3251
units per year.

Mann-Kendall
statistic = 6
critical = 15

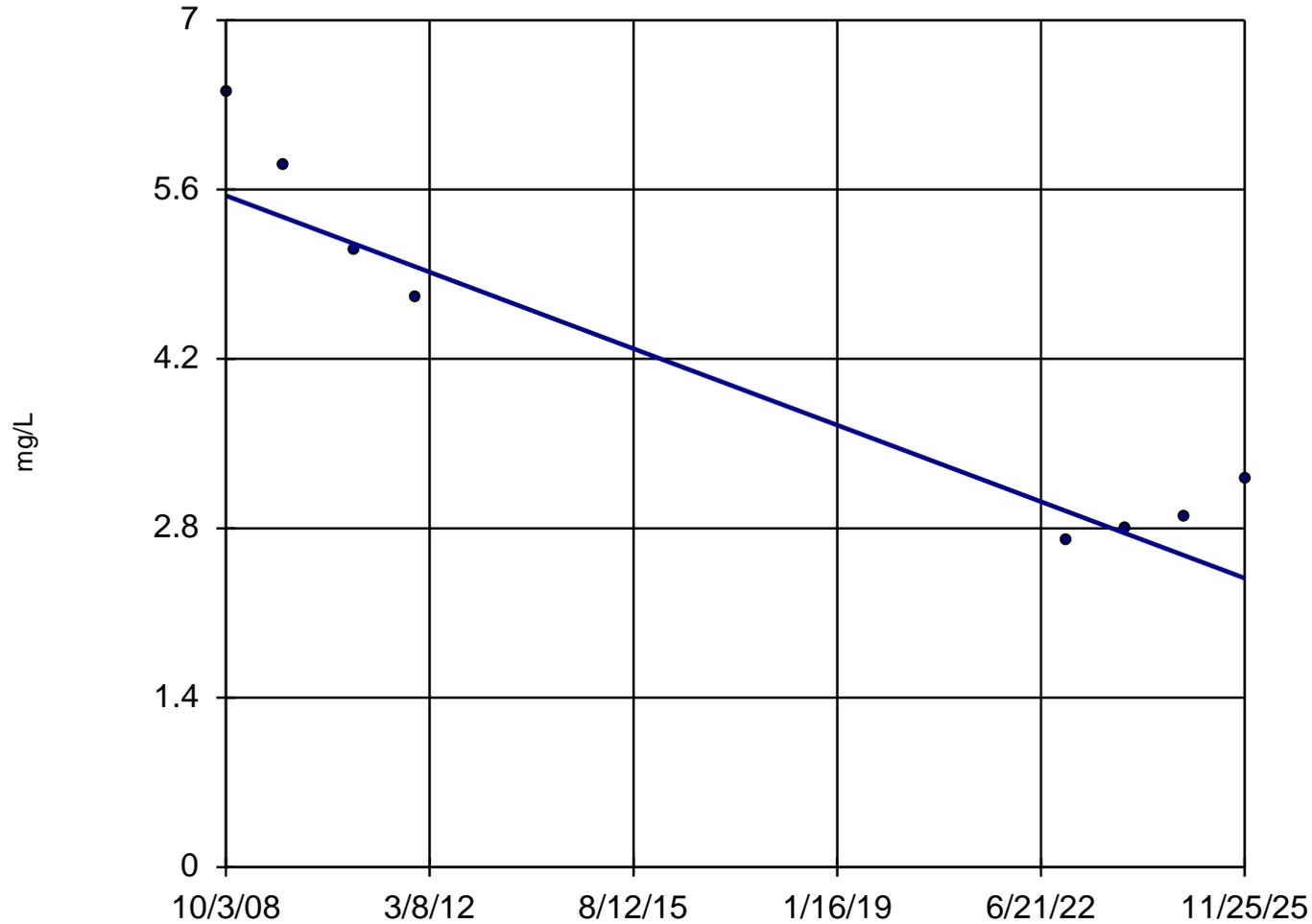
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-14 (bg)



n = 8

Slope = -0.1843
units per year.

Mann-Kendall
statistic = -16
critical = -15

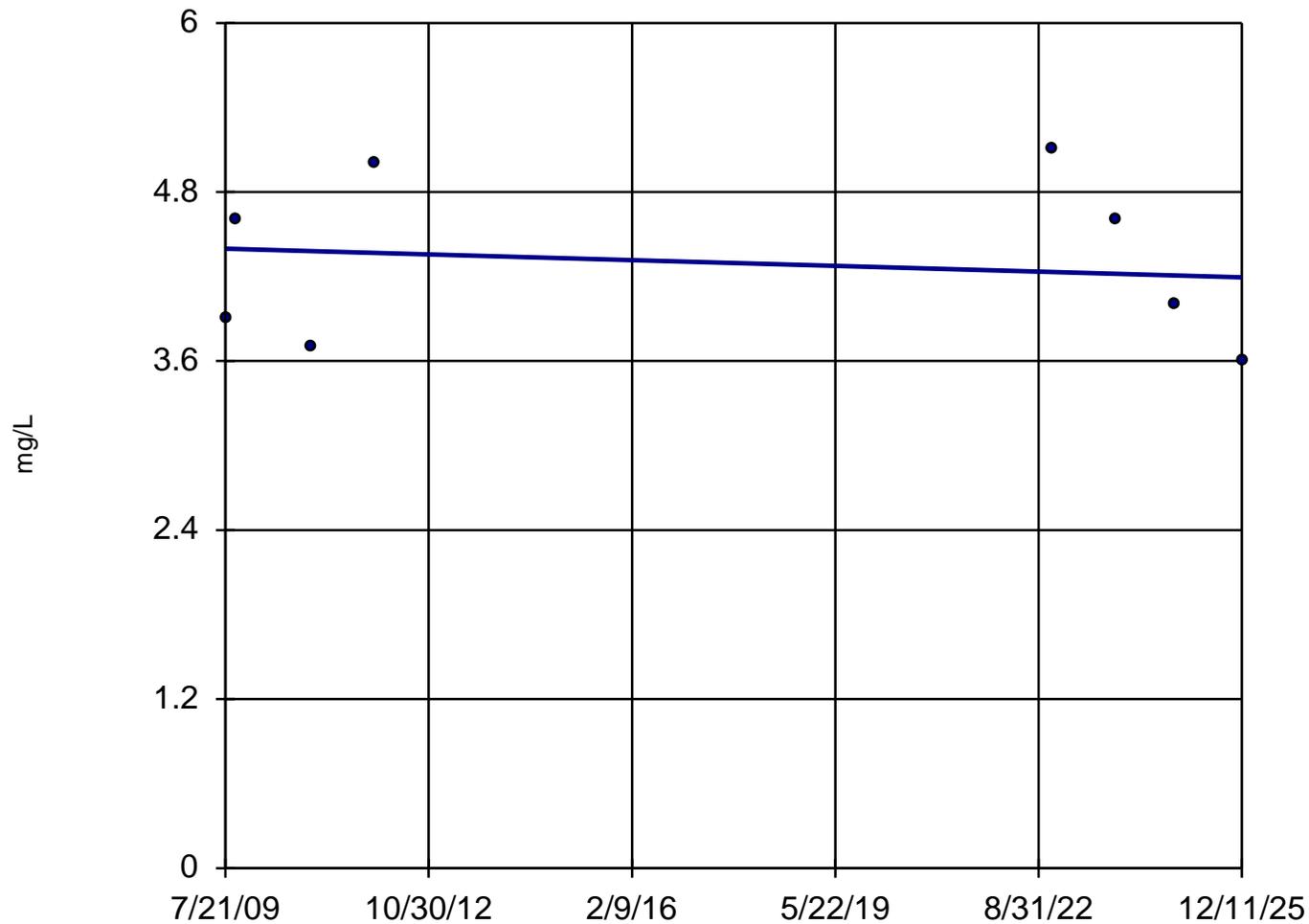
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-060



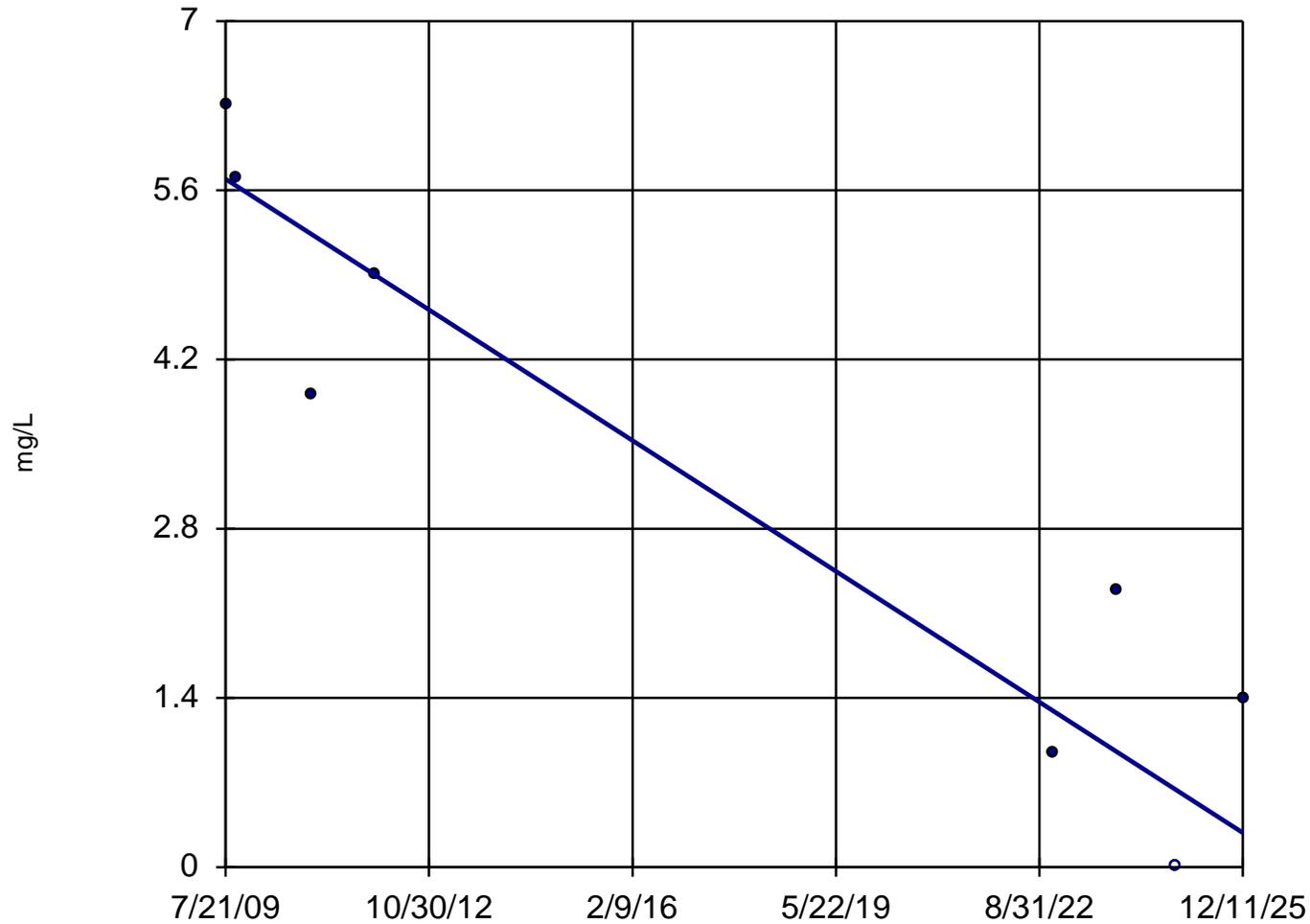
n = 8
Slope = -0.01248
units per year.
Mann-Kendall
statistic = -3
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-080



n = 8

Slope = -0.3296
units per year.

Mann-Kendall
statistic = -20
critical = -15

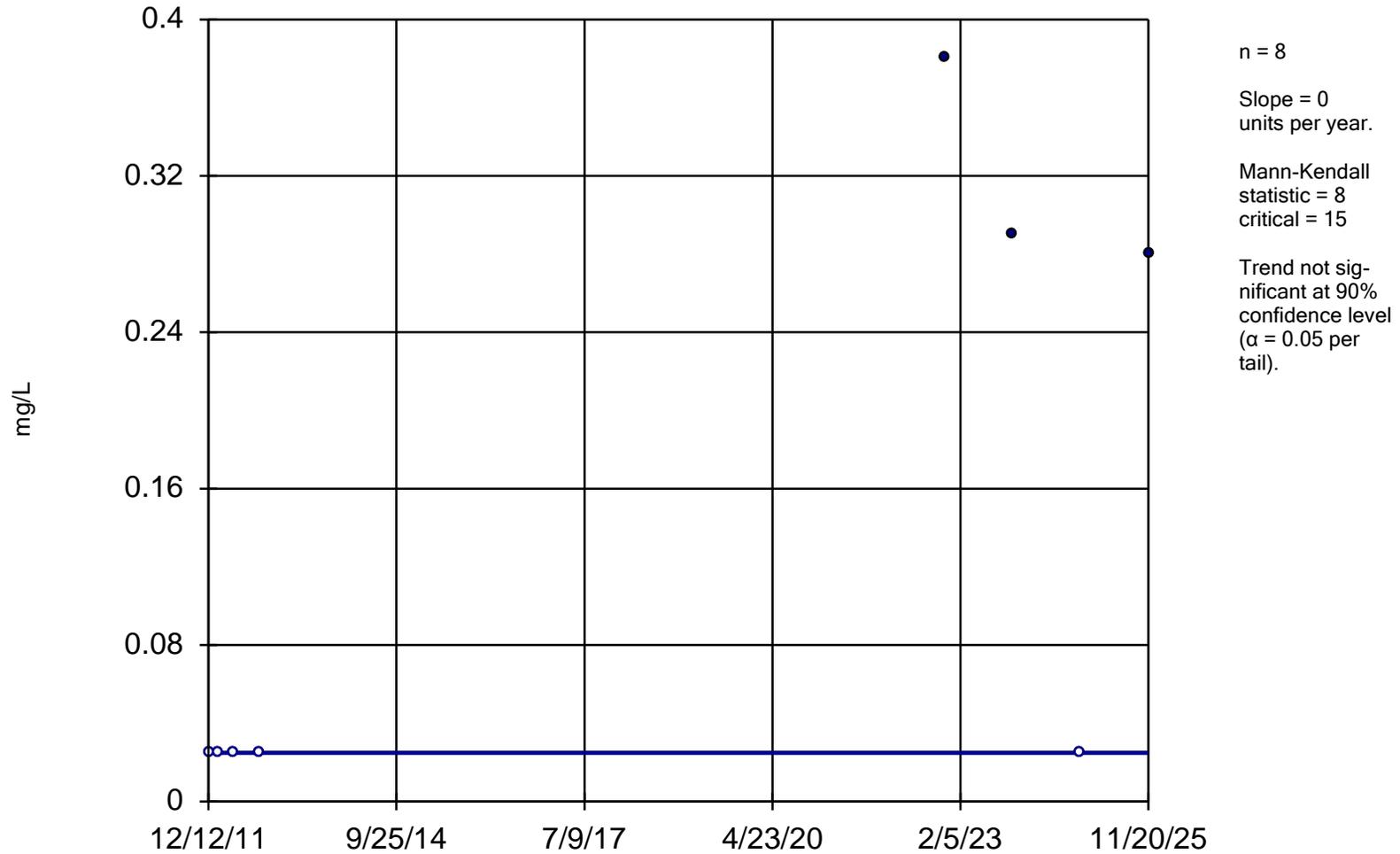
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-040

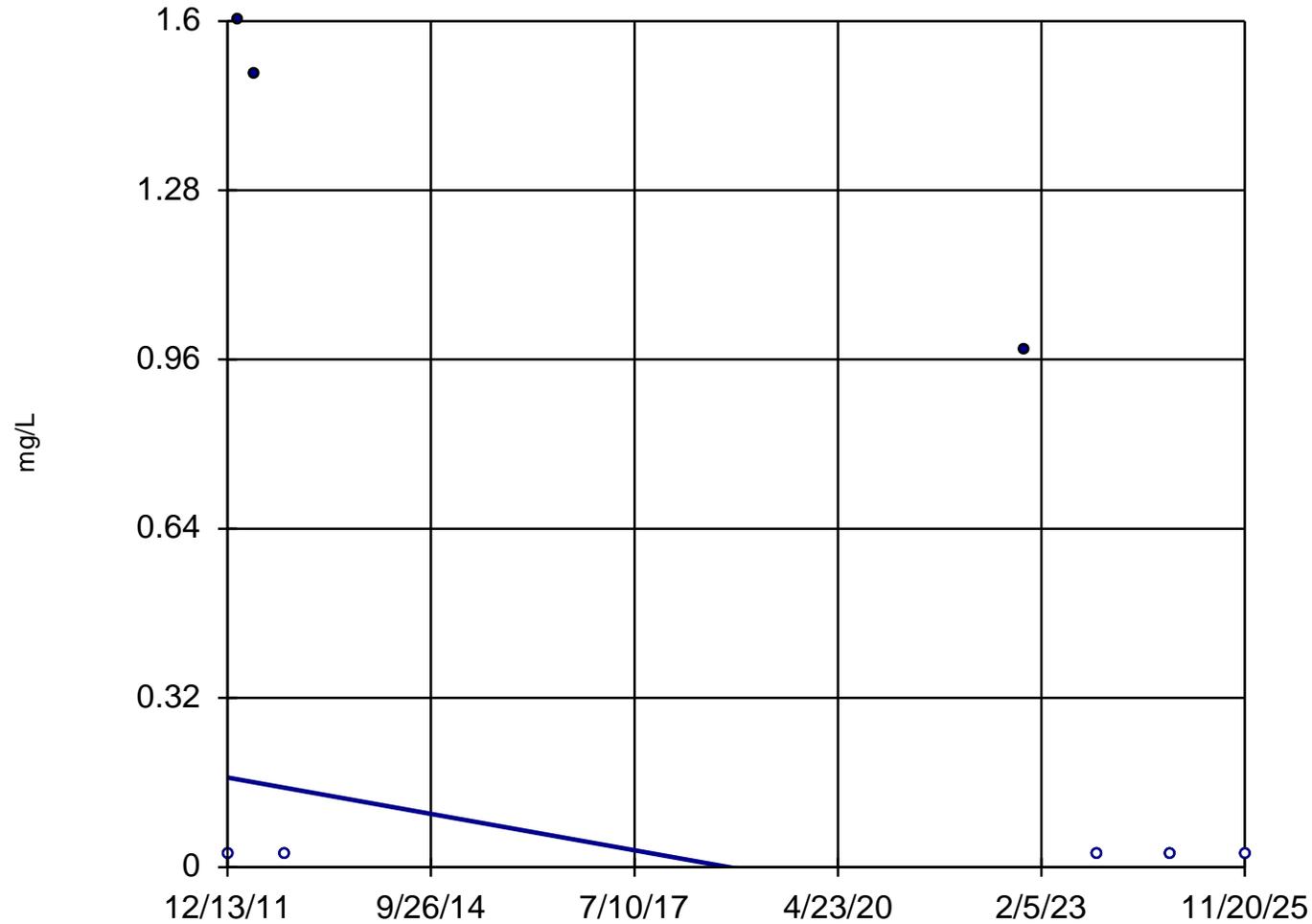


Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-090



n = 8

Slope = -0.02463
units per year.

Mann-Kendall
statistic = -10
critical = -15

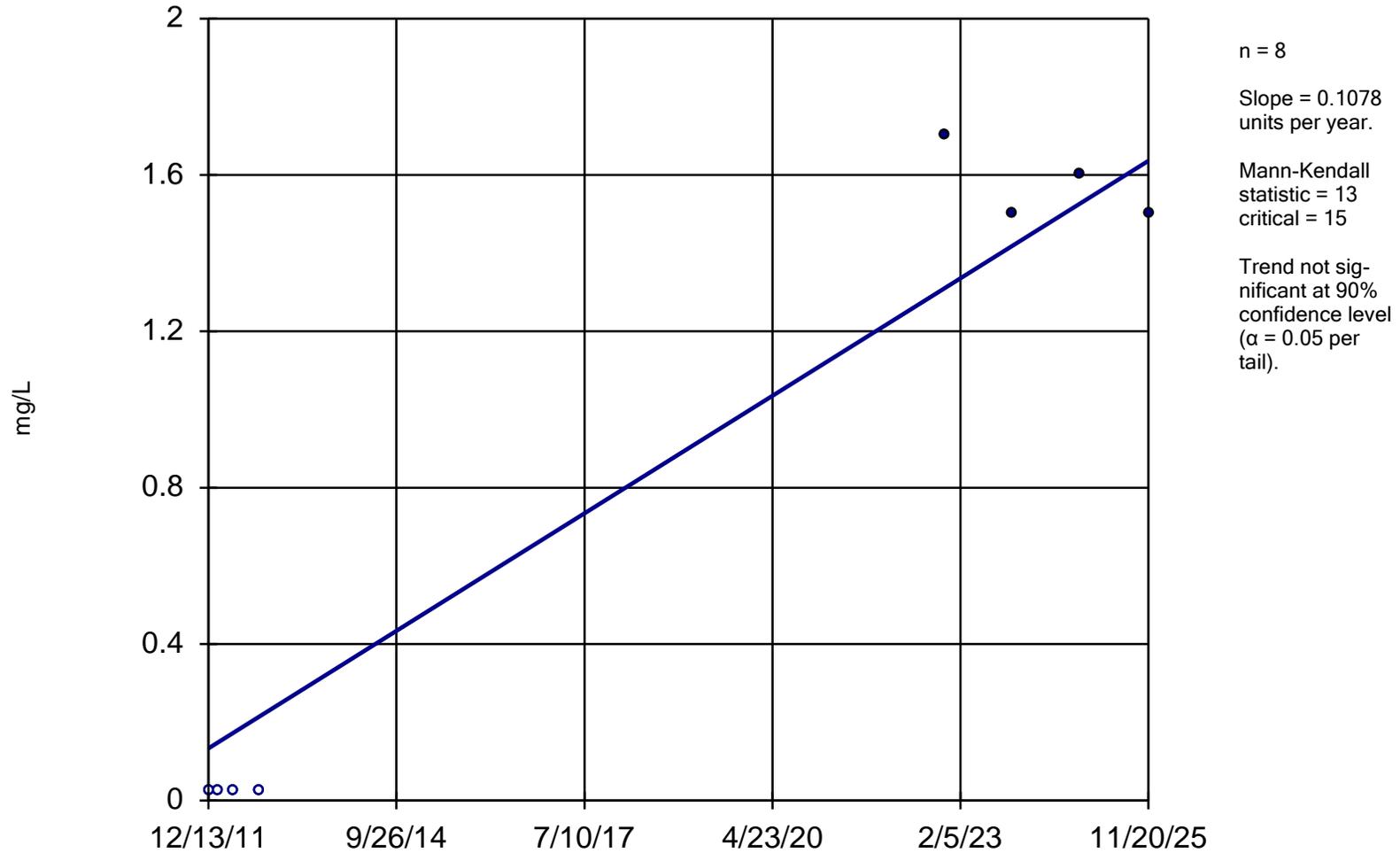
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-150

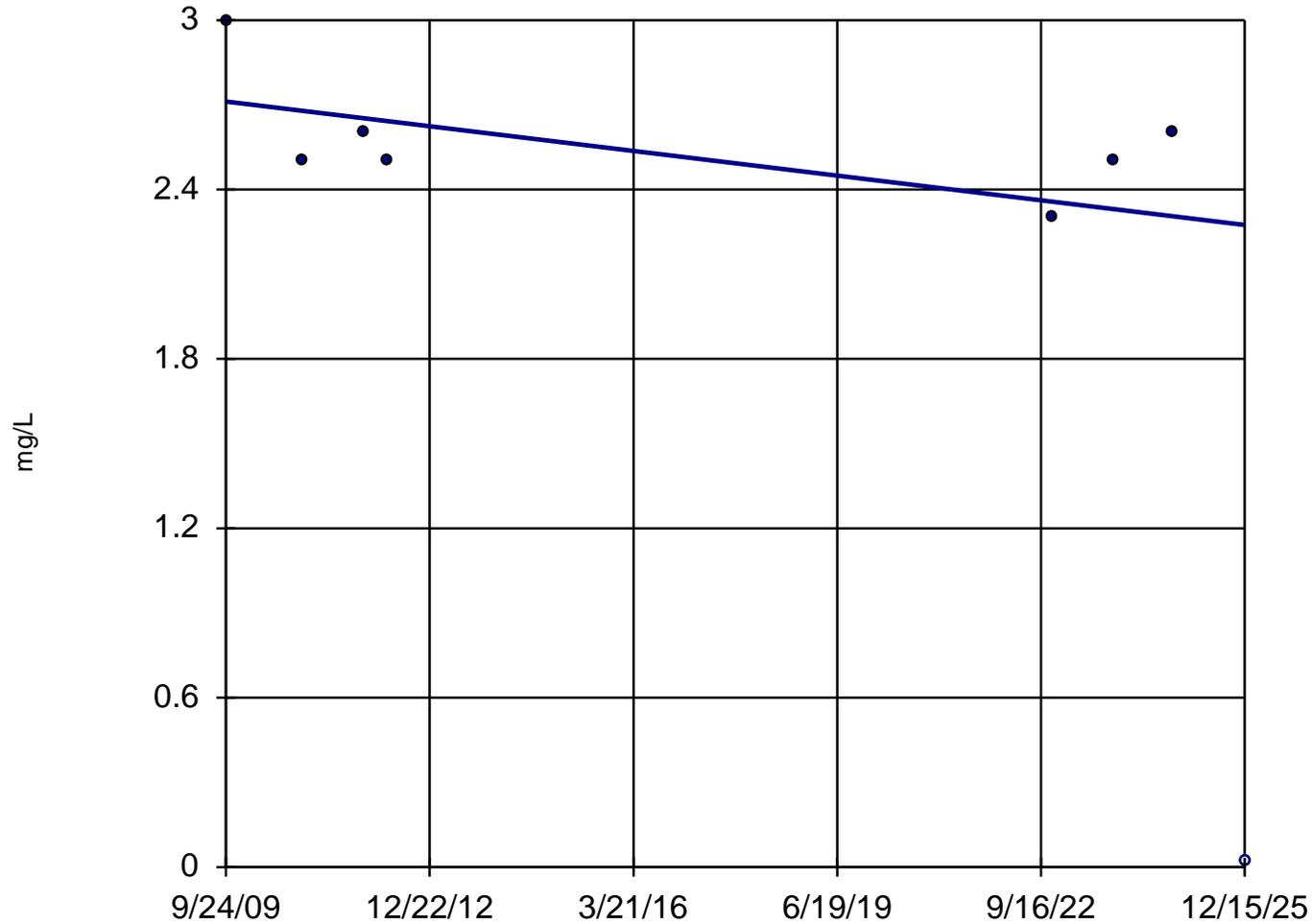


Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-135



n = 8

Slope = -0.02694
units per year.

Mann-Kendall
statistic = -12
critical = -15

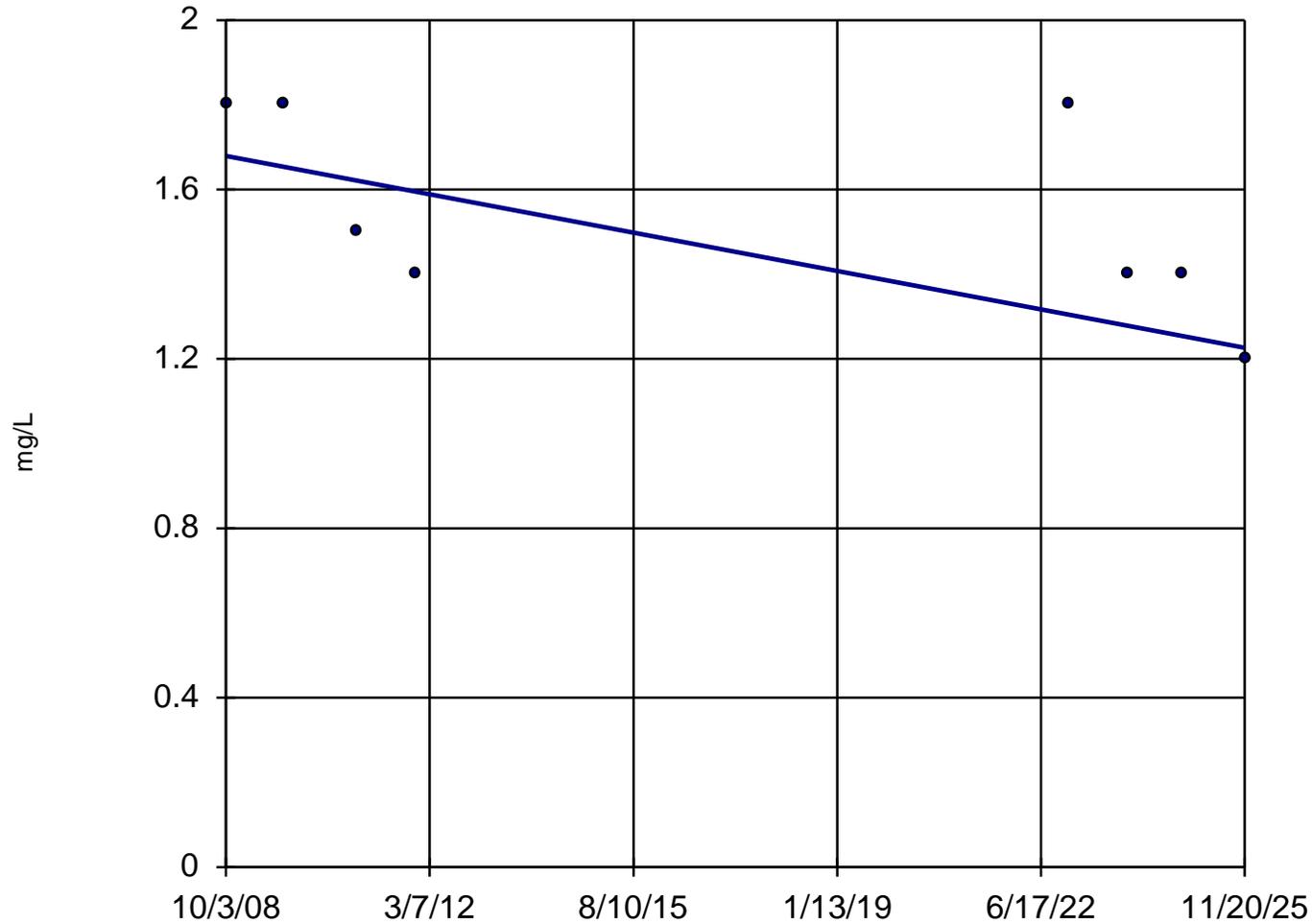
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-37S (bg)



n = 8

Slope = -0.02643
units per year.

Mann-Kendall
statistic = -18
critical = -15

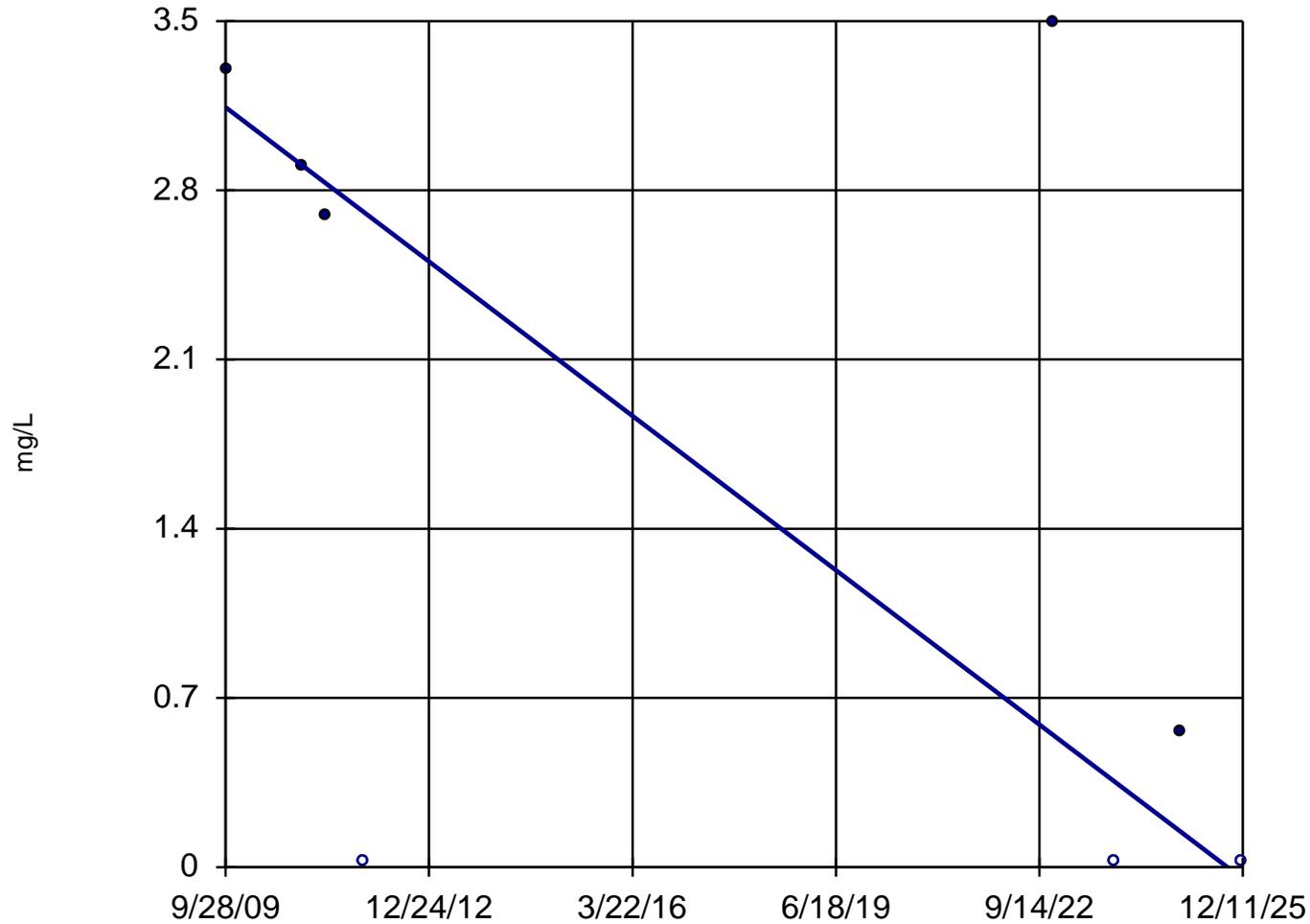
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:12 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40D (bg)



n = 8

Slope = -0.1968
units per year.

Mann-Kendall
statistic = -13
critical = -15

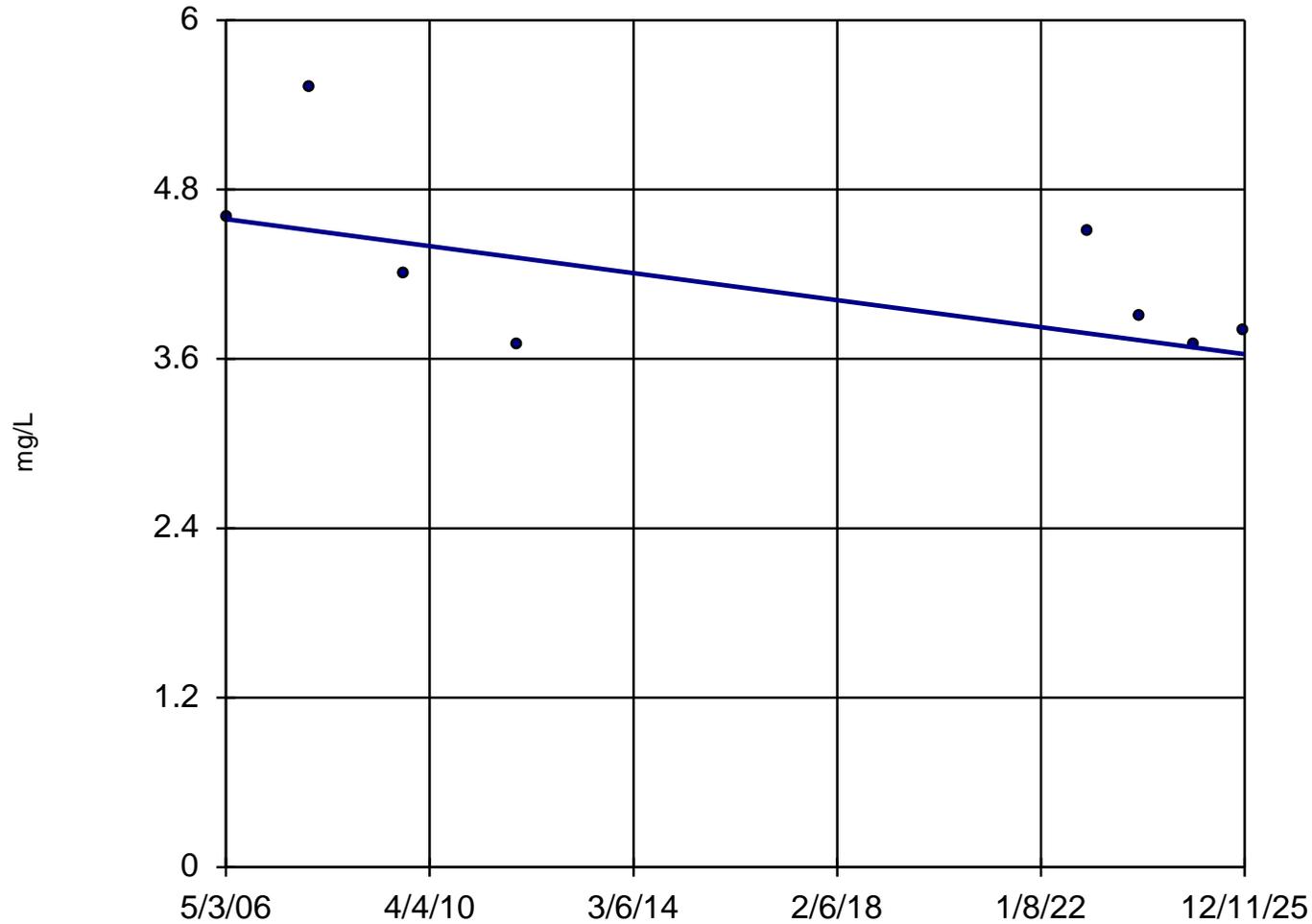
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40S (bg)



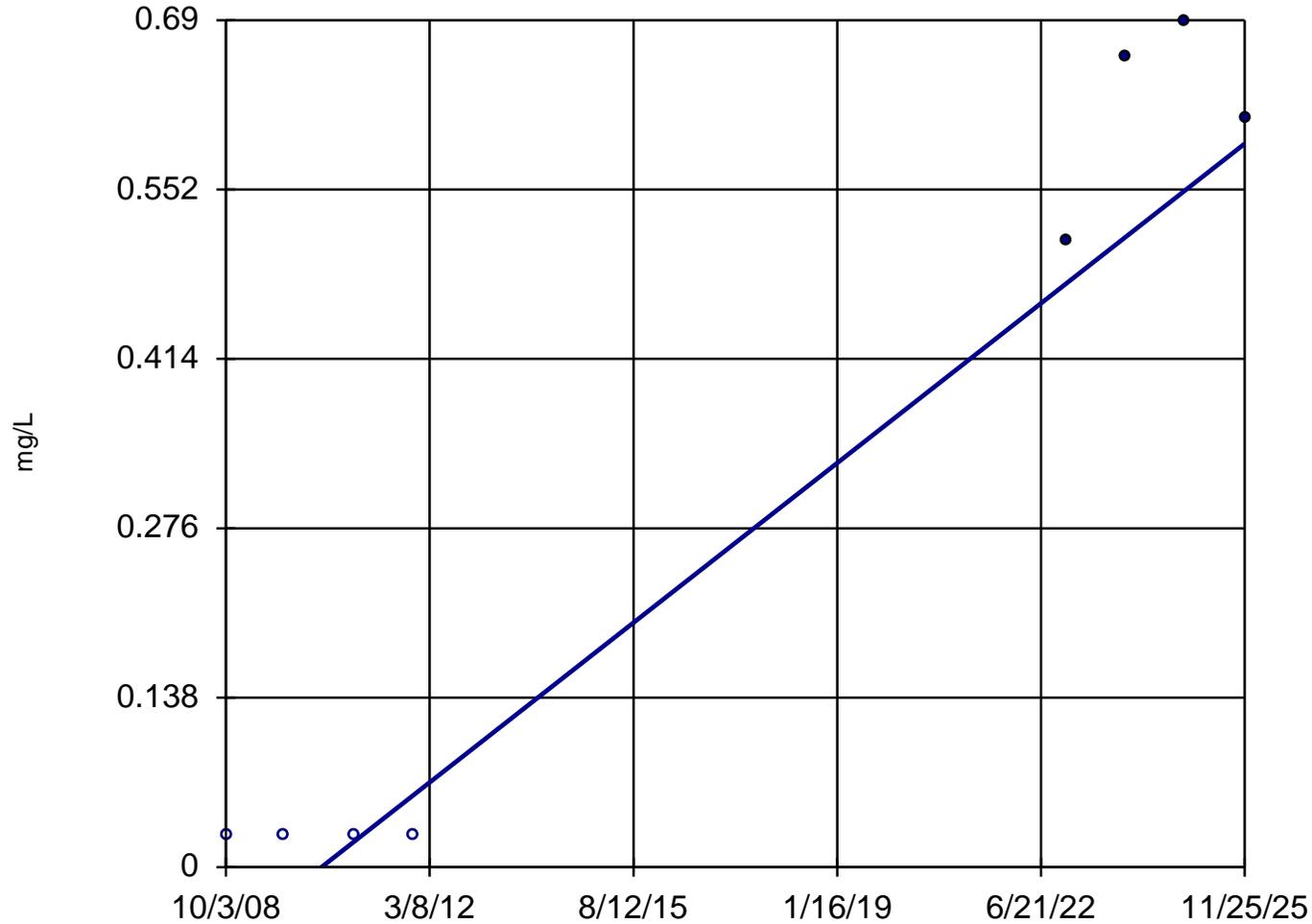
n = 8
Slope = -0.04872
units per year.
Mann-Kendall
statistic = -15
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41M (bg)



n = 8

Slope = 0.03791
units per year.

Mann-Kendall
statistic = 18
critical = 15

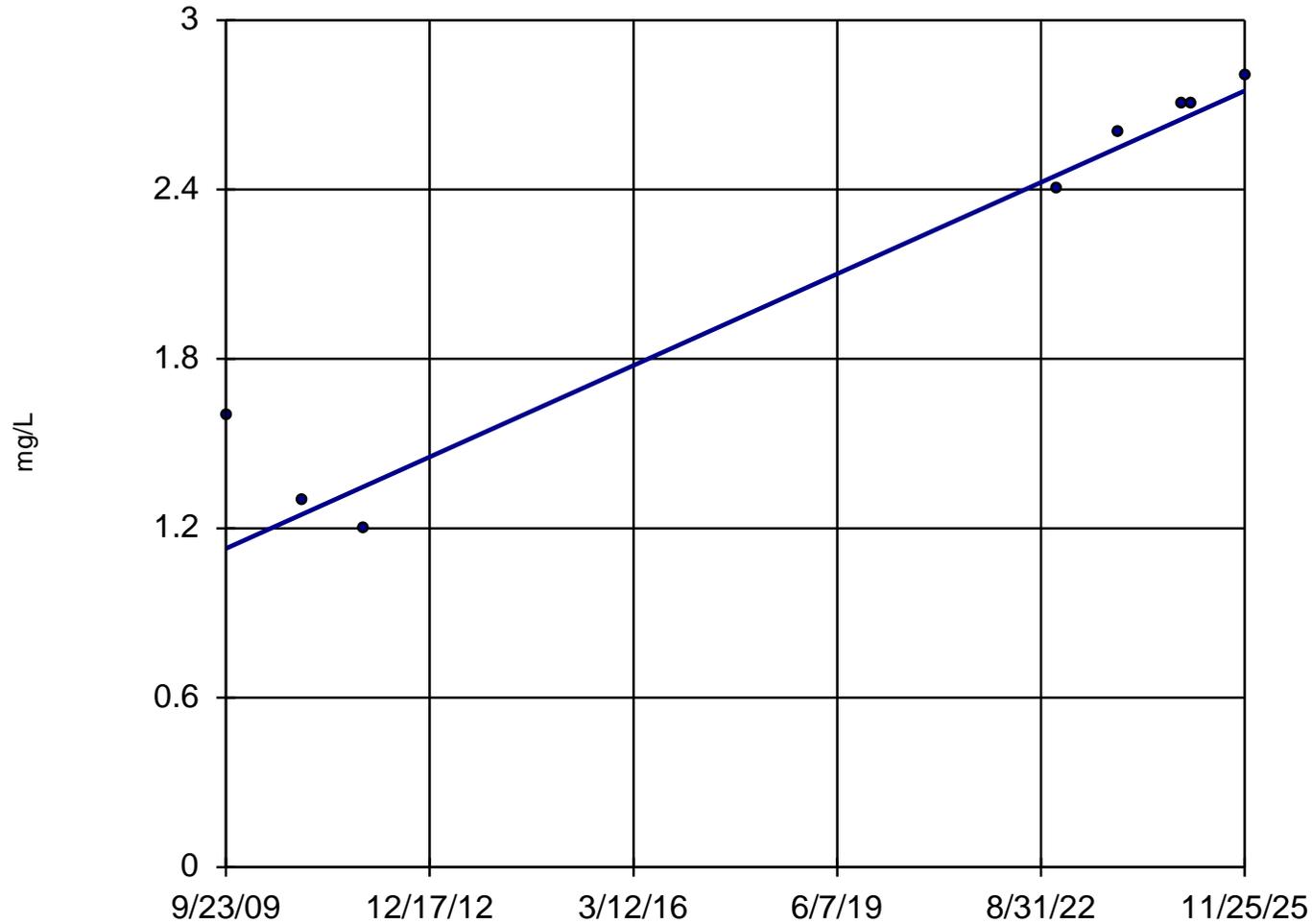
Increasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41S (bg)



n = 8

Slope = 0.1001
units per year.

Mann-Kendall
statistic = 21
critical = 15

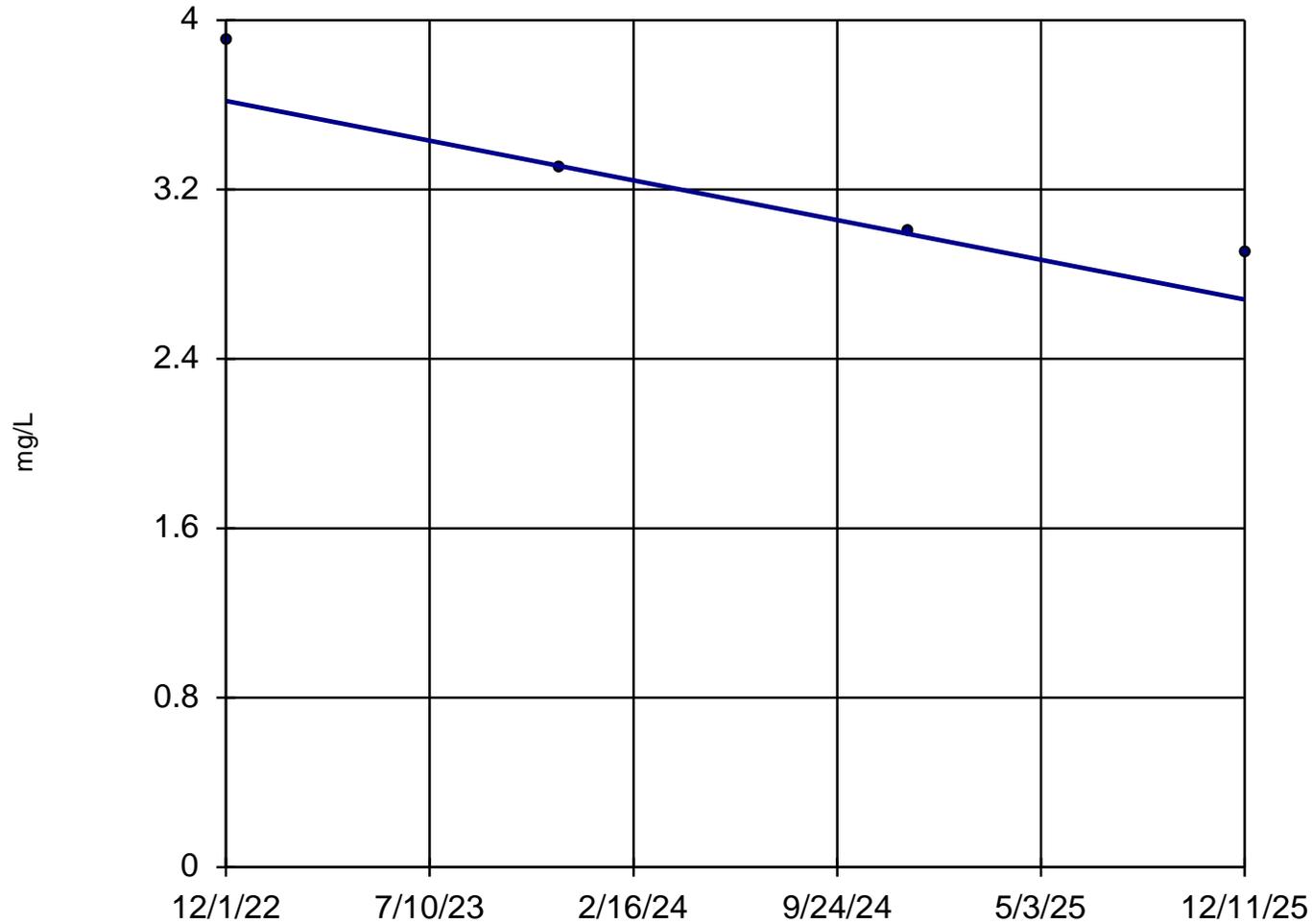
Increasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-183 (bg)



n = 4

Slope = -0.3095
units per year.

Mann-Kendall
statistic = -6
critical = -6

Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

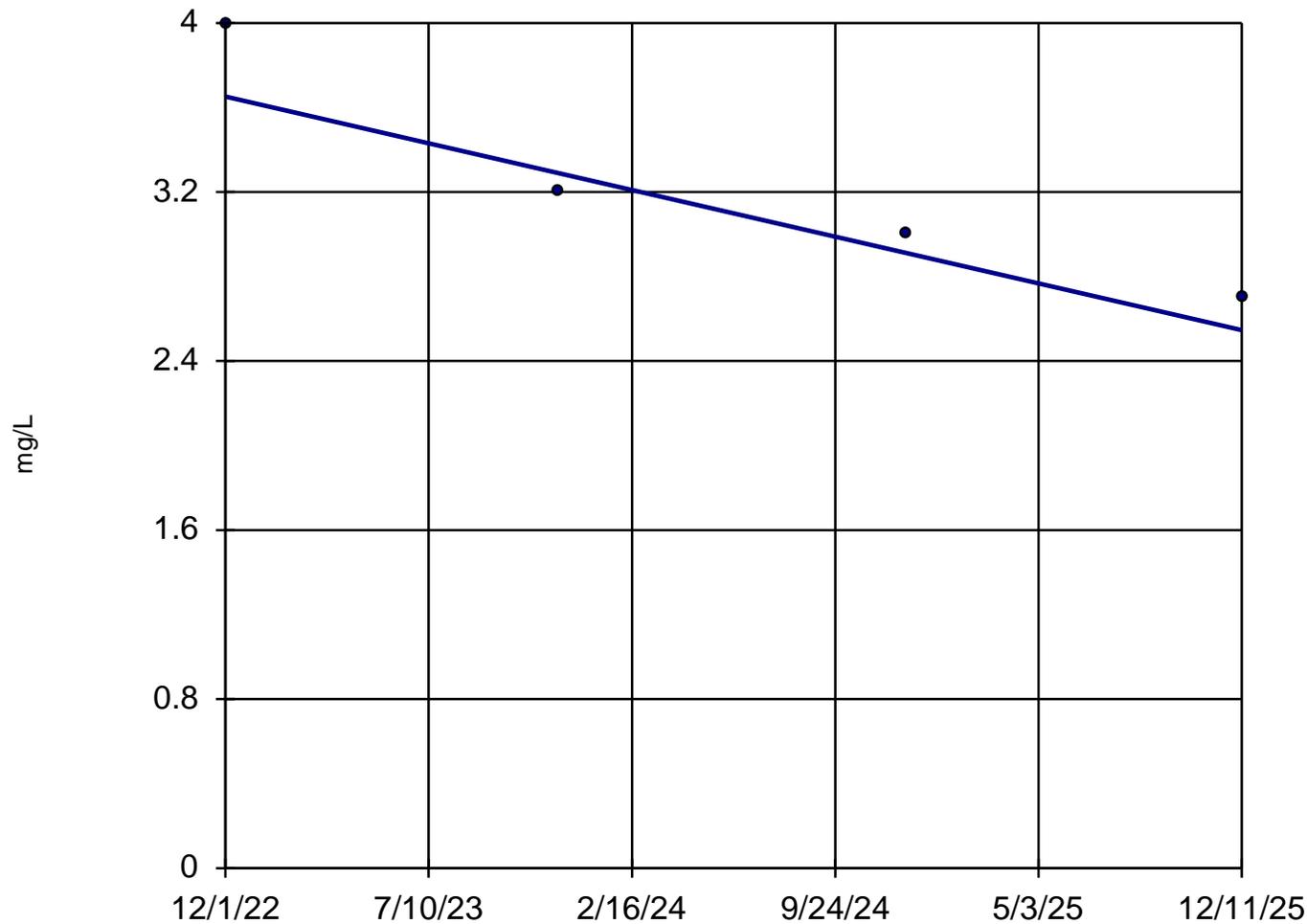
With n = 4, no data
set will result in
a significant Mann-
Kendall statistic.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-273 (bg)



n = 4

Slope = -0.3649
units per year.

Mann-Kendall
statistic = -6
critical = -6

Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

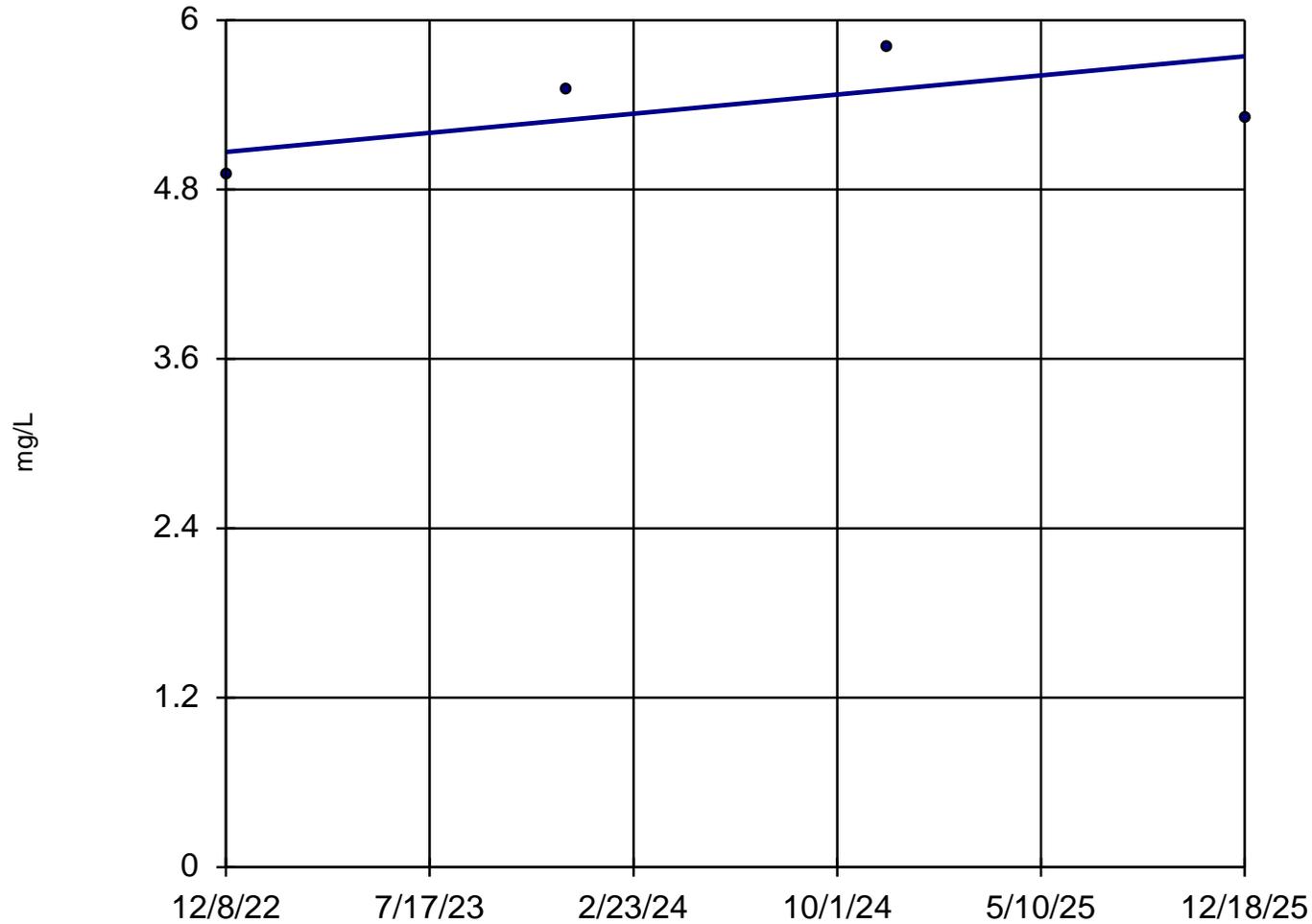
With n = 4, no data
set will result in
a significant Mann-
Kendall statistic.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-113 (bg)



n = 4

Slope = 0.2238
units per year.

Mann-Kendall
statistic = 2
critical = 6

Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

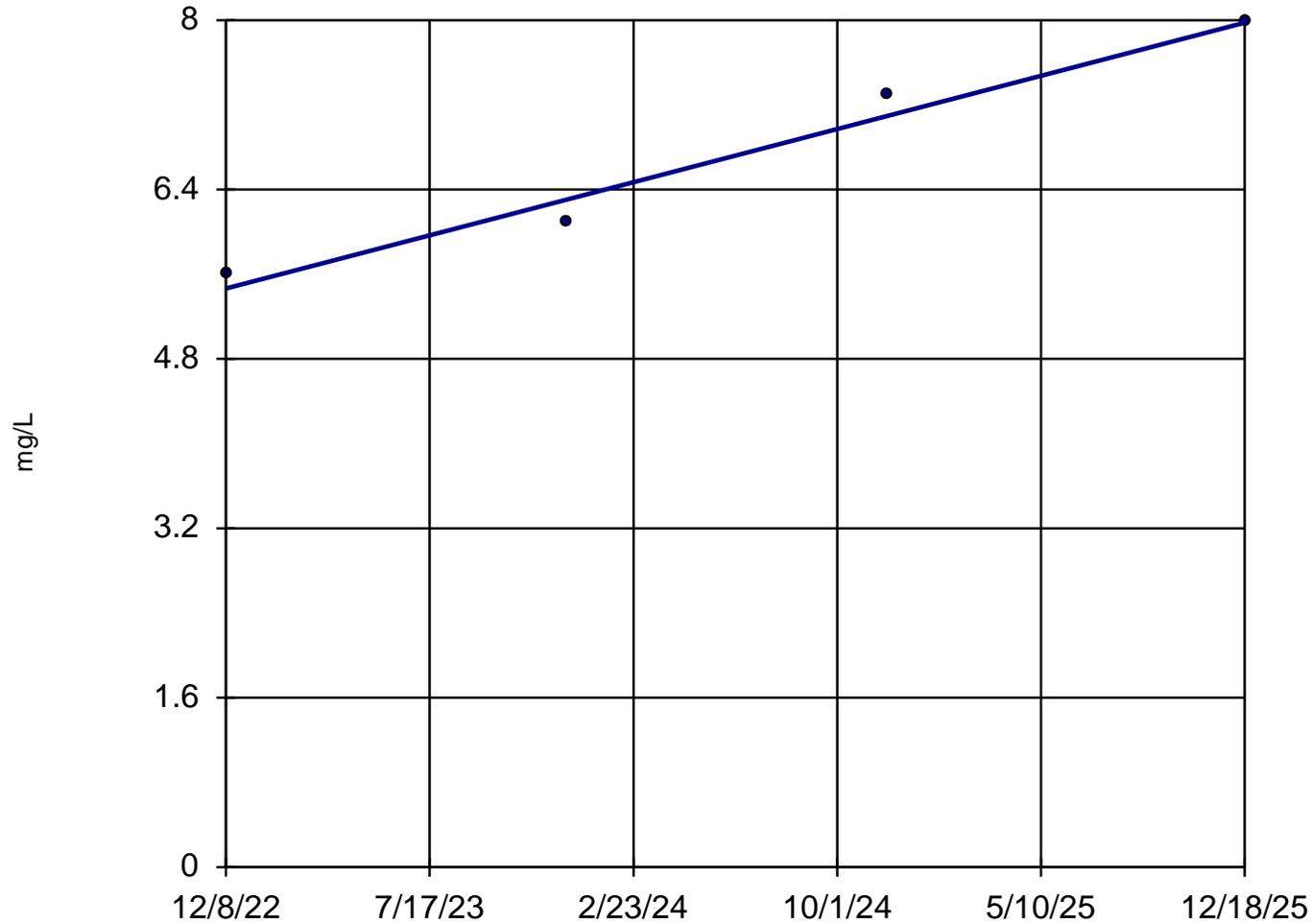
With n = 4, no data
set will result in
a significant Mann-
Kendall statistic.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-157 (bg)



n = 4

Slope = 0.8281
units per year.

Mann-Kendall
statistic = 6
critical = 6

Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

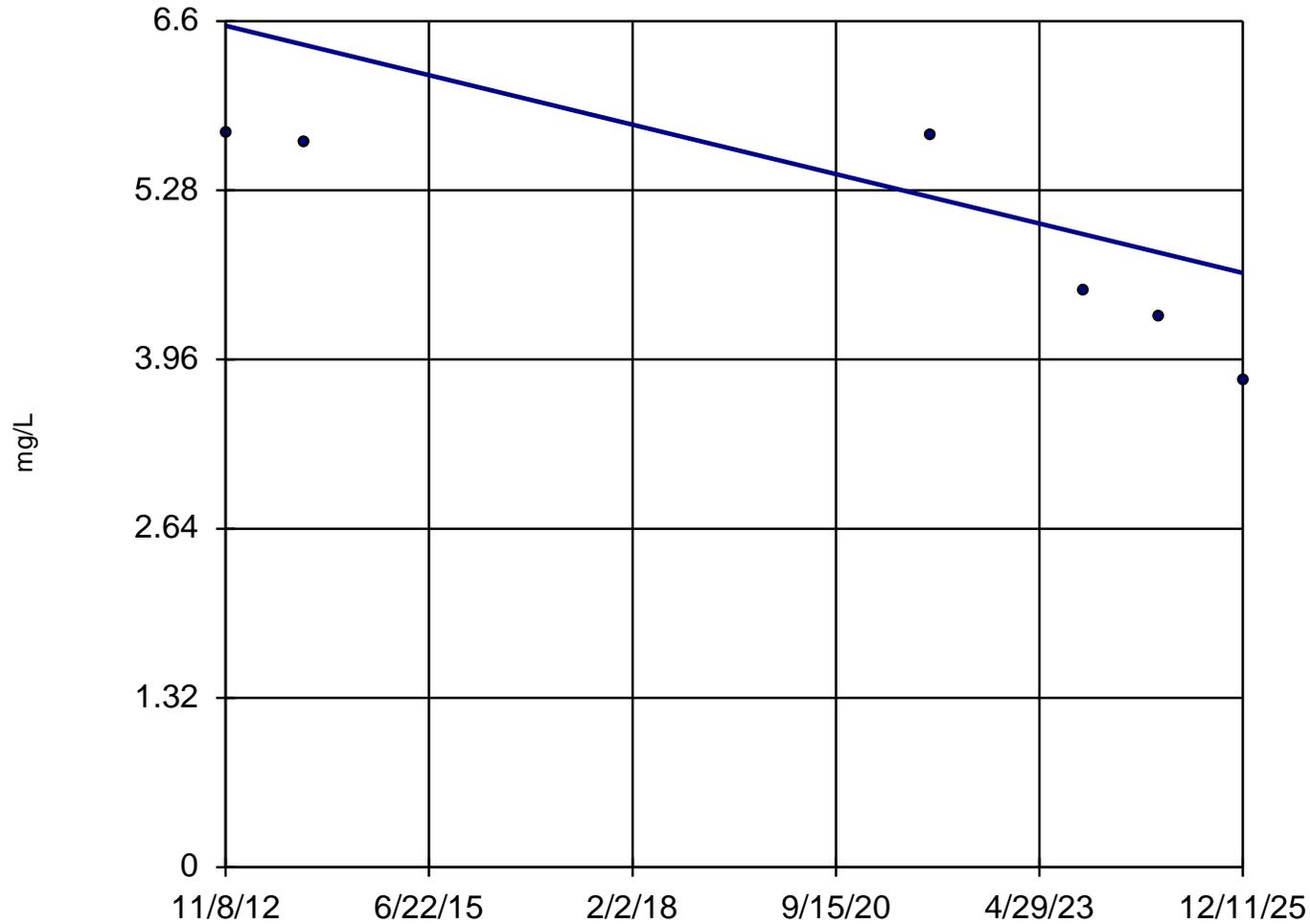
With n = 4, no data
set will result in
a significant Mann-
Kendall statistic.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-060



n = 6

Slope = -0.1473
units per year.

Mann-Kendall
statistic = -13
critical = -10

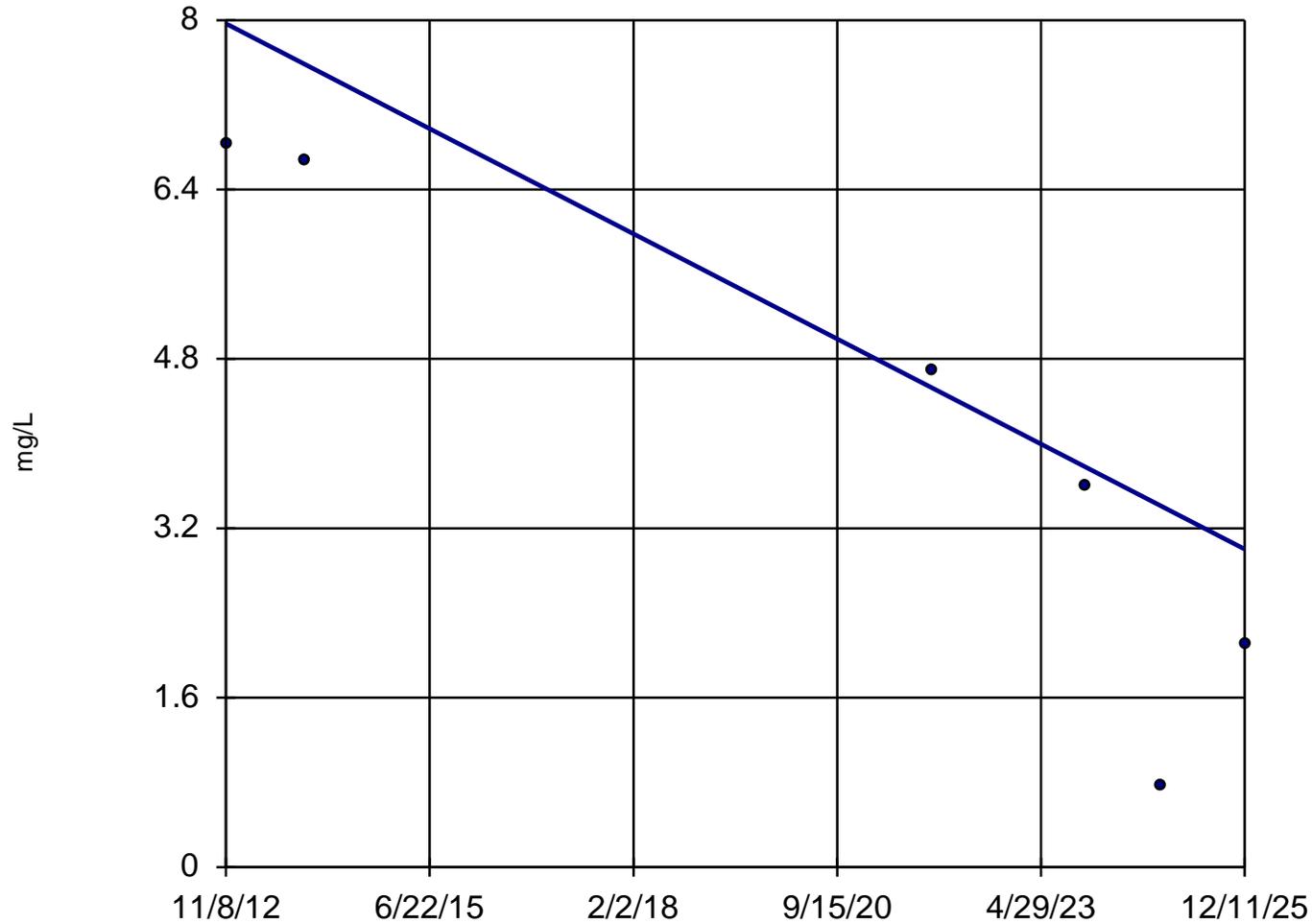
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-080



n = 6

Slope = -0.3788
units per year.

Mann-Kendall
statistic = -13
critical = -10

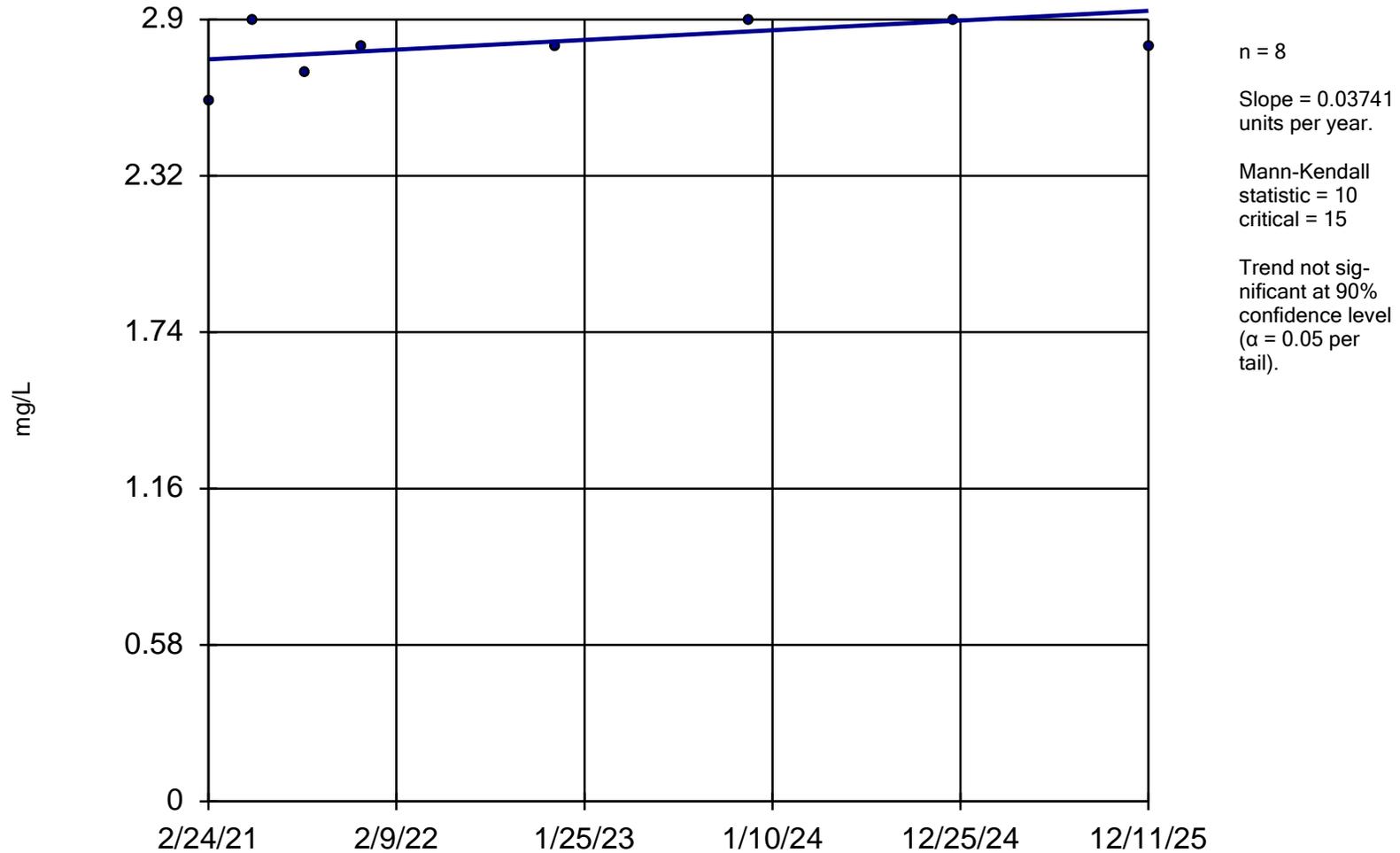
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-183 (bg)

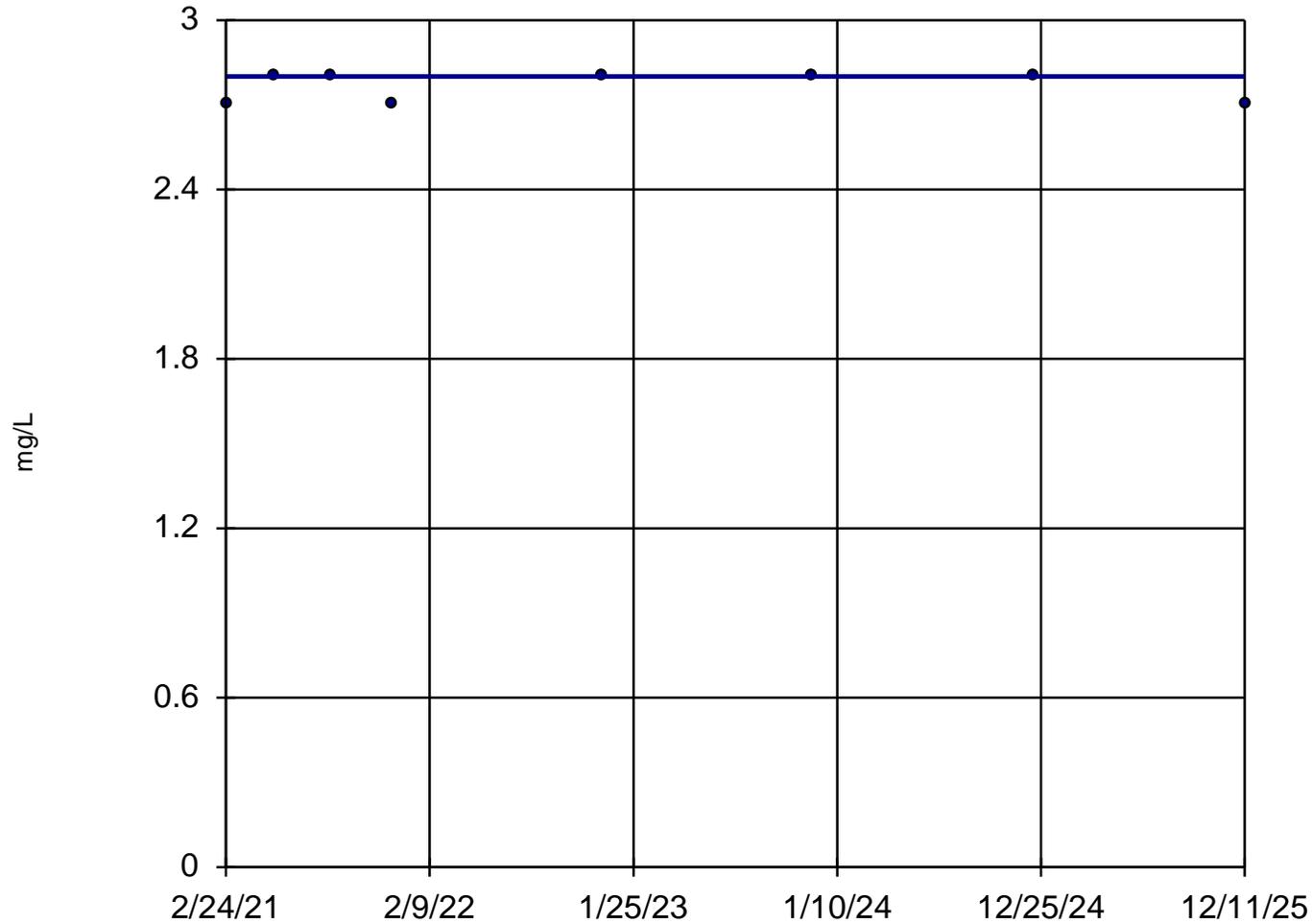


Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-273 (bg)



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 1
critical = 15

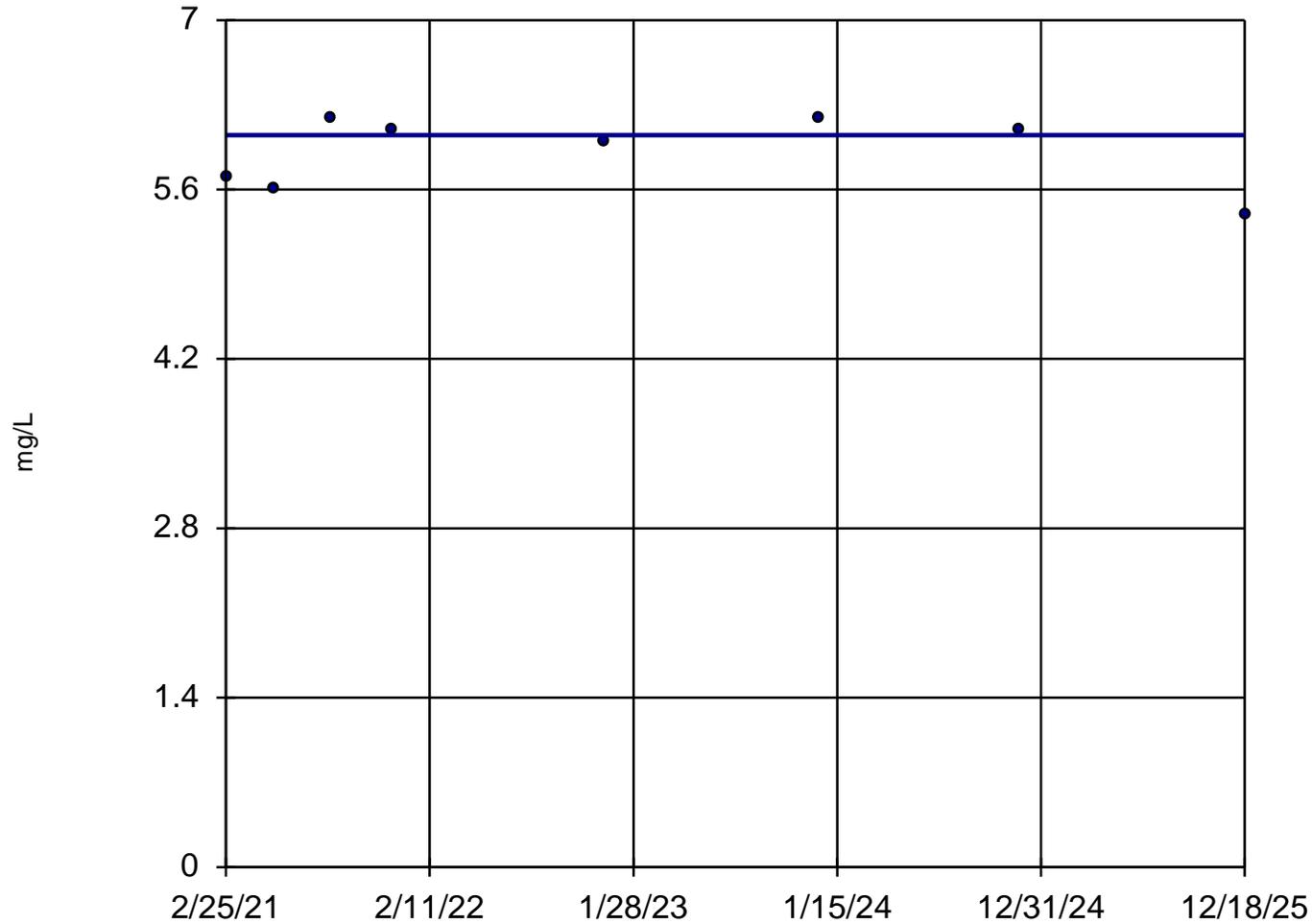
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-113 (bg)



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

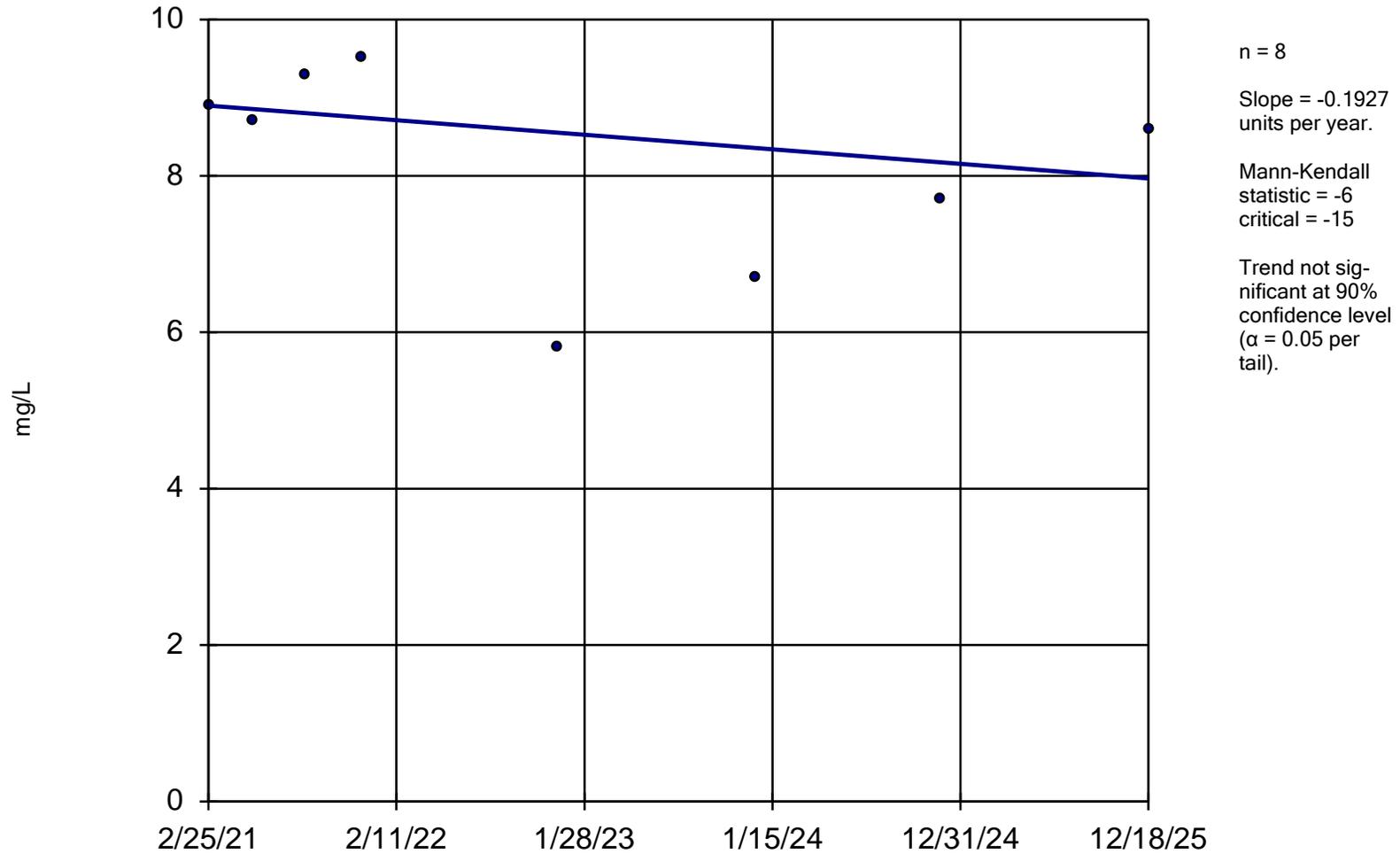
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-157 (bg)

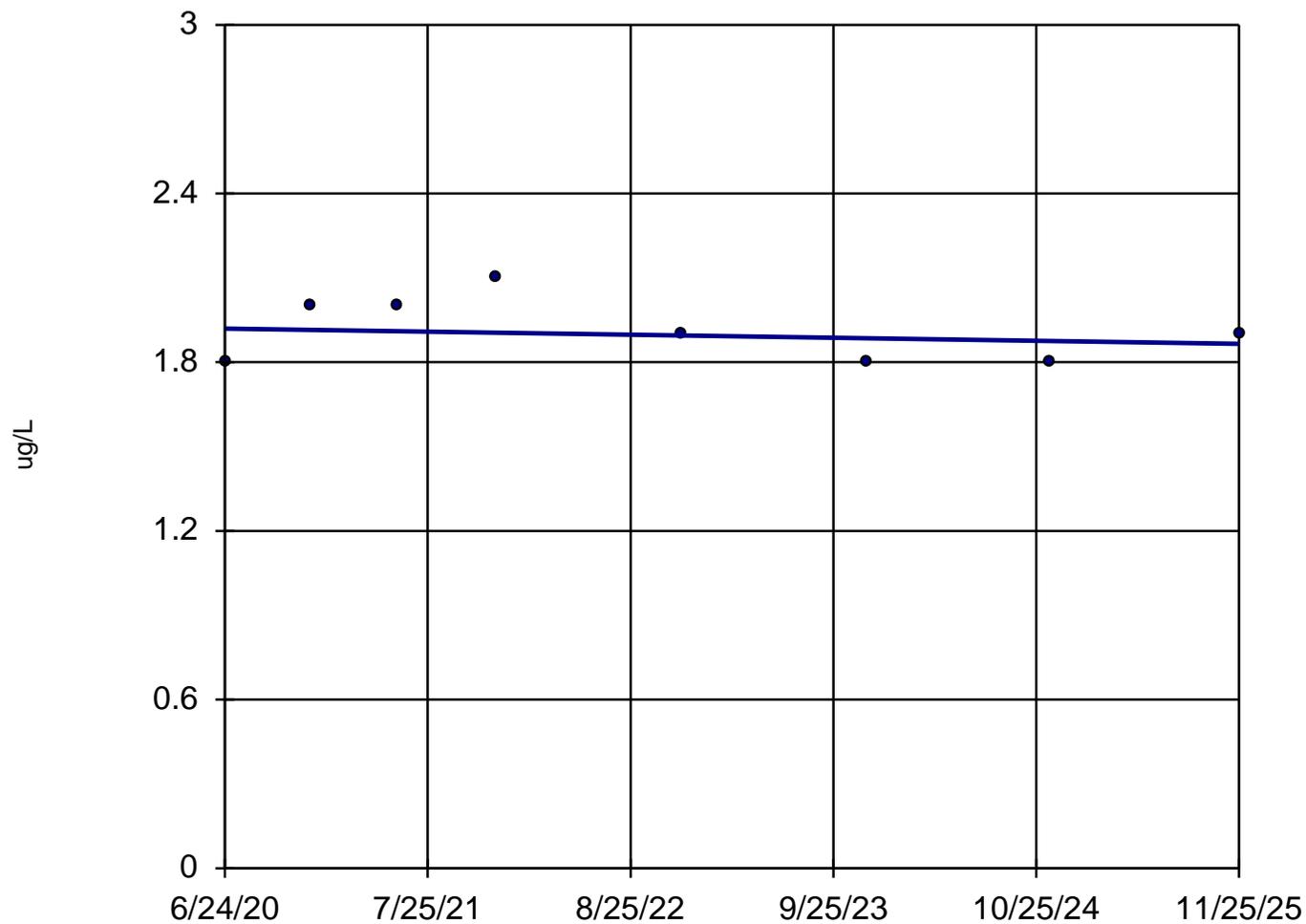


Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-14 (bg)



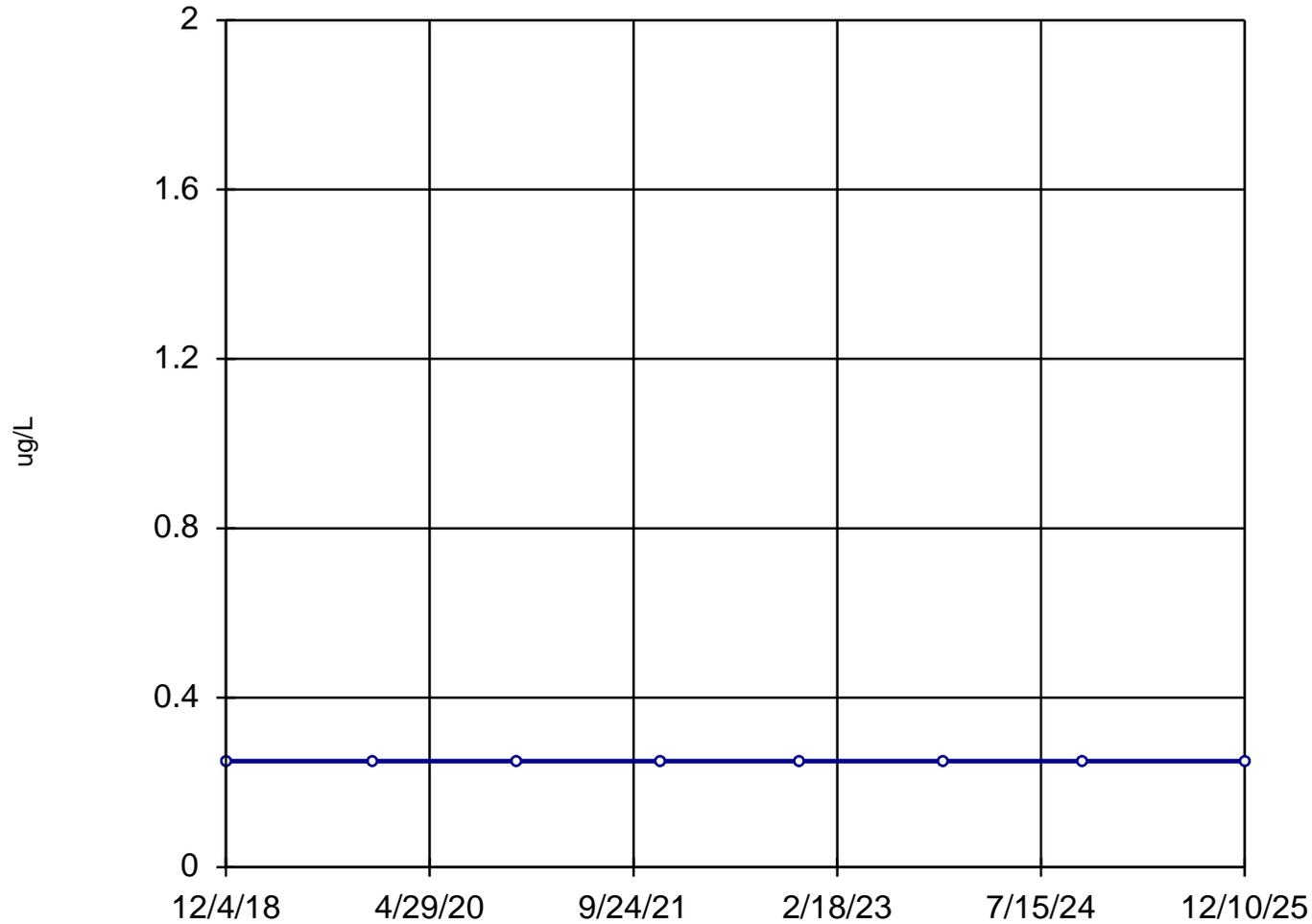
n = 8
Slope = -0.01008
units per year.
Mann-Kendall
statistic = -5
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-22



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

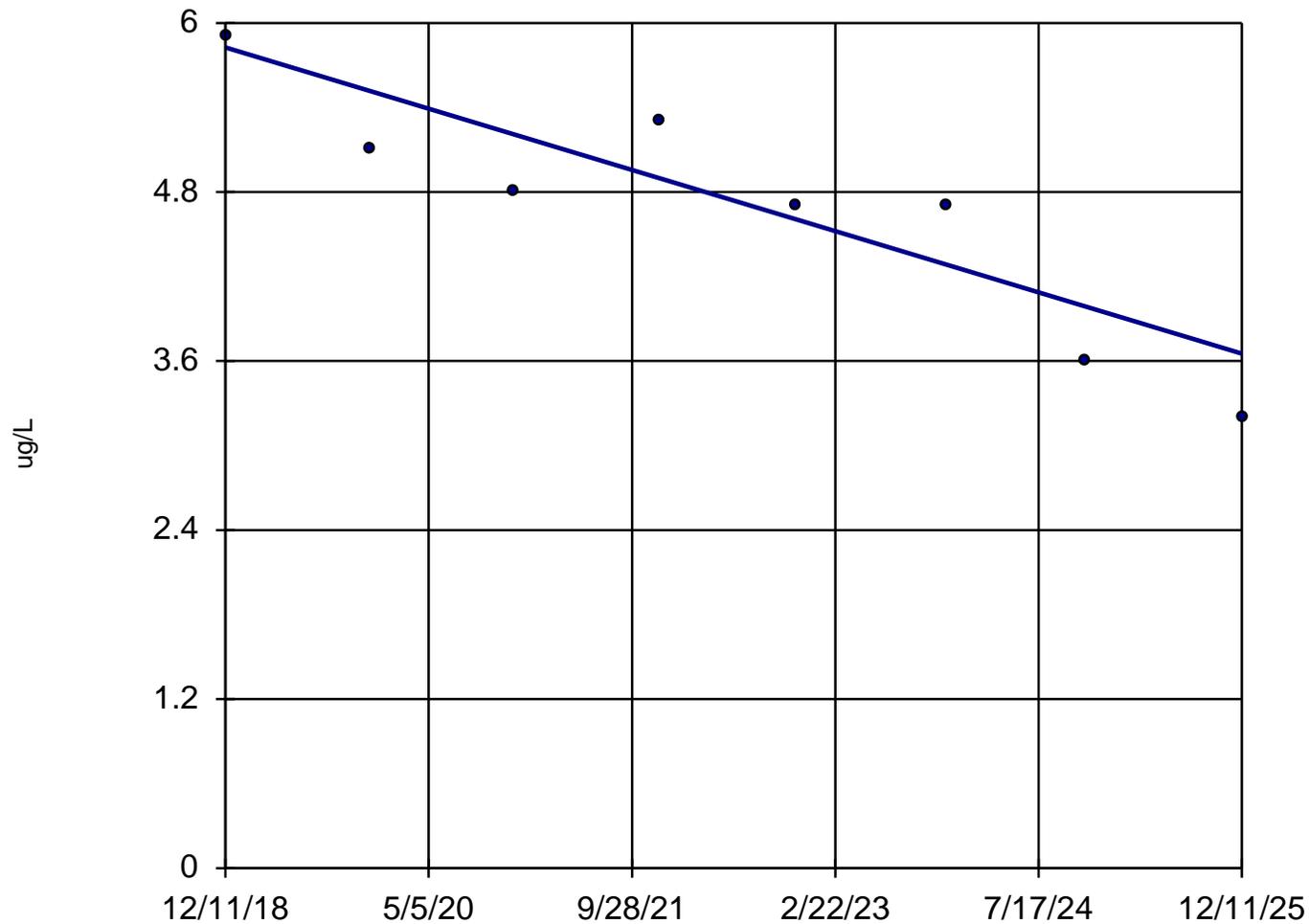
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-060



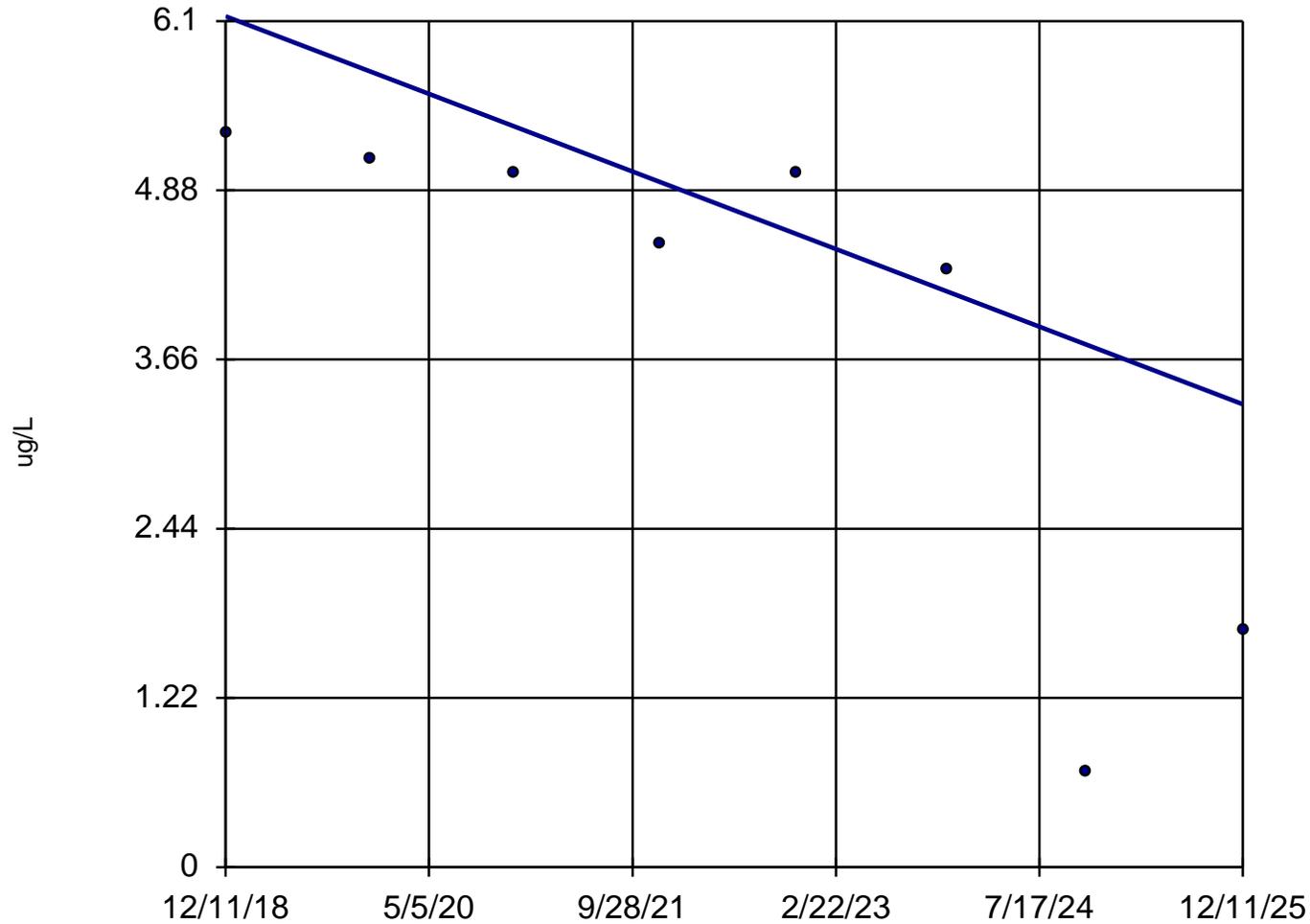
n = 8
Slope = -0.3103
units per year.
Mann-Kendall
statistic = -23
critical = -15
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-080



n = 8

Slope = -0.3991
units per year.

Mann-Kendall
statistic = -23
critical = -15

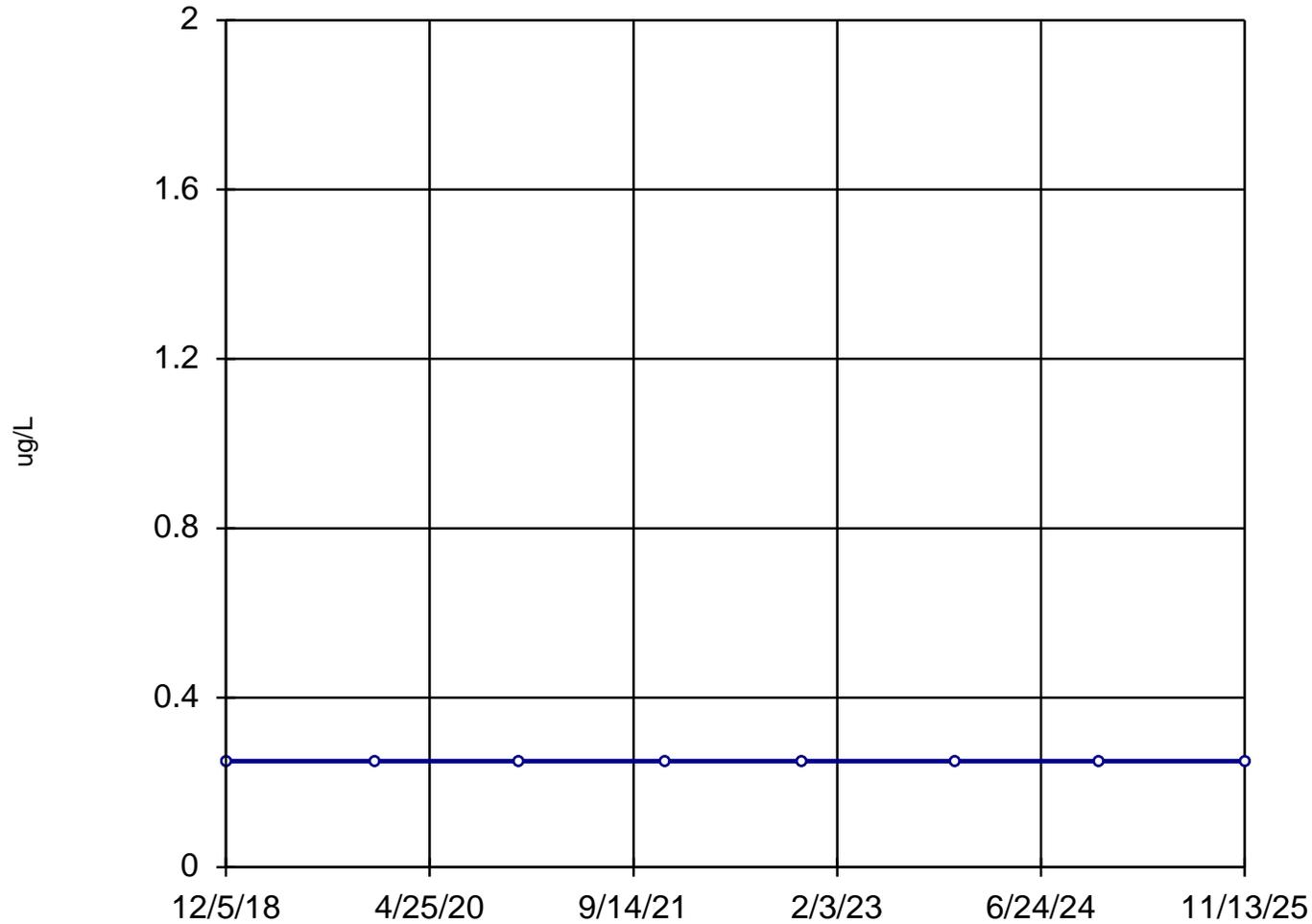
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-27-060



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

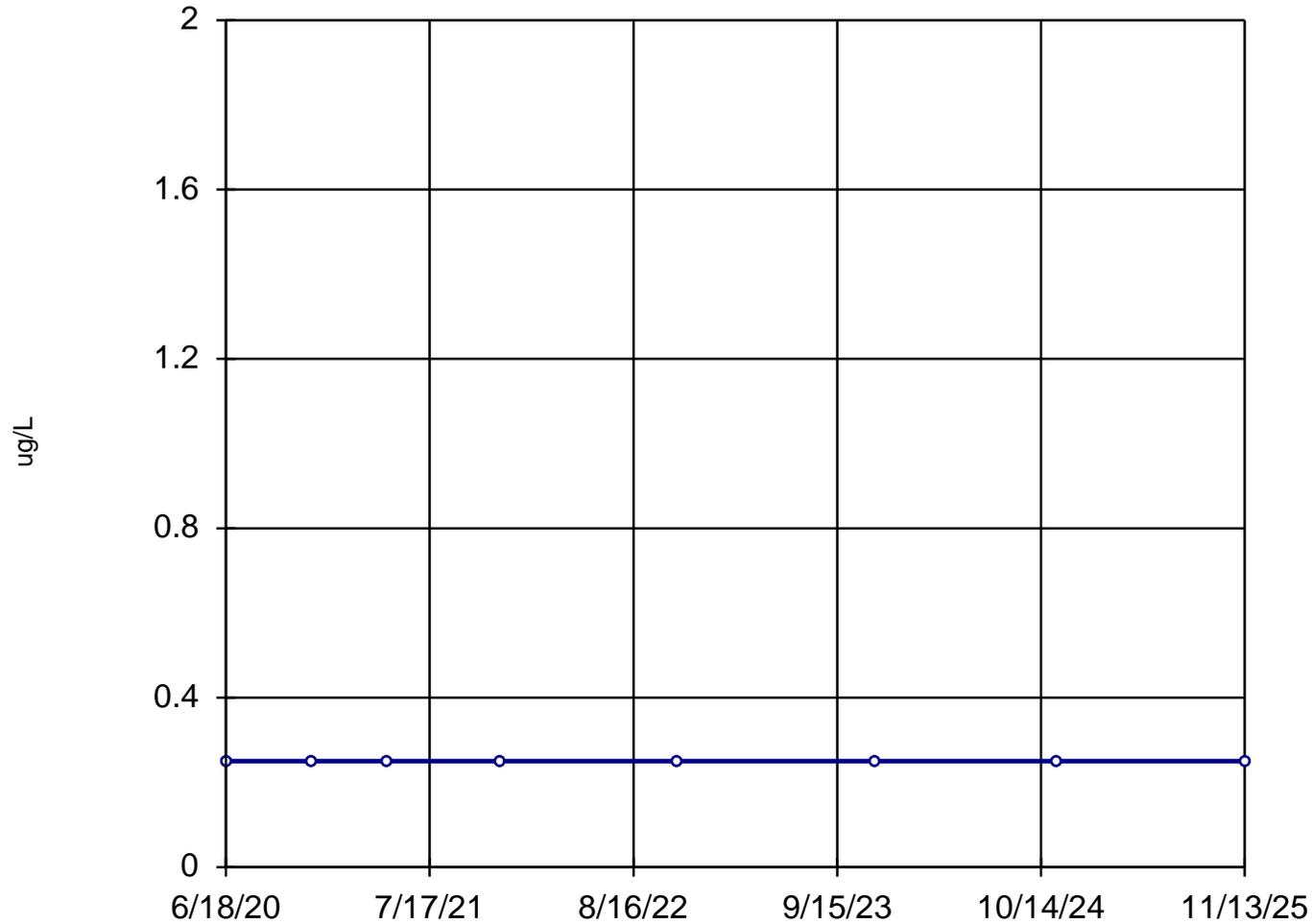
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-27-085



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

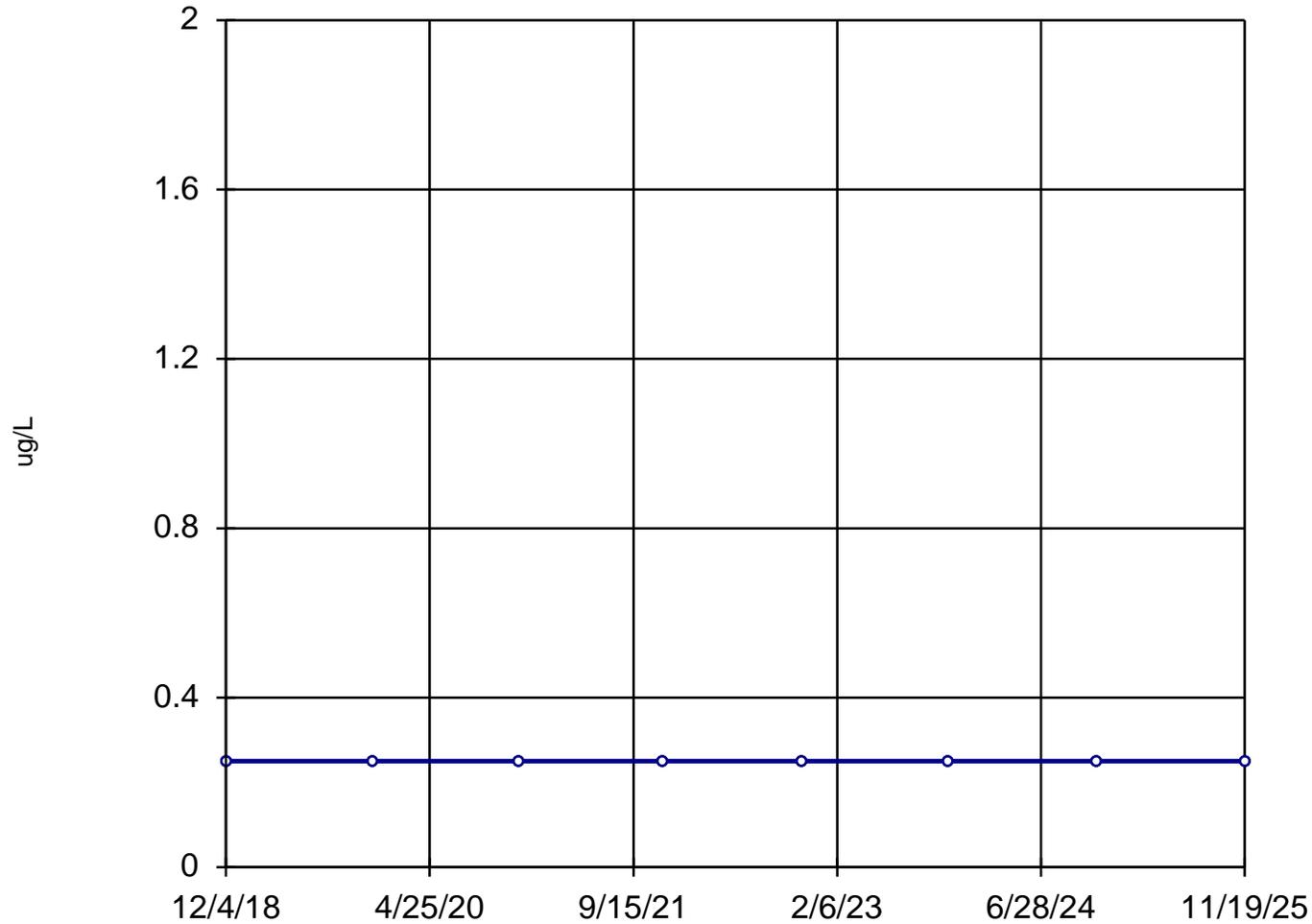
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-32-035



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

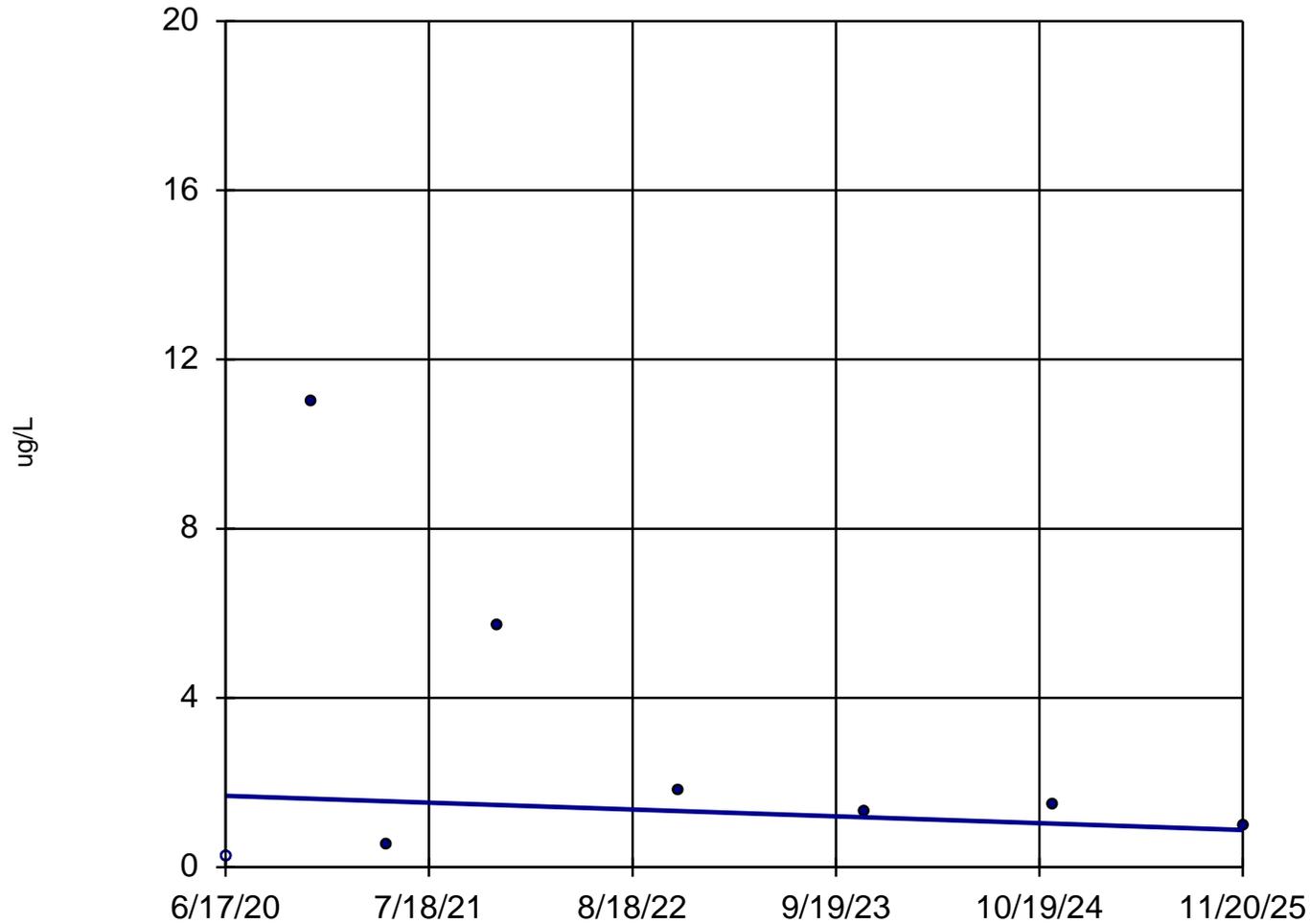
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-040



n = 8

Slope = -0.1496
units per year.

Mann-Kendall
statistic = -2
critical = -15

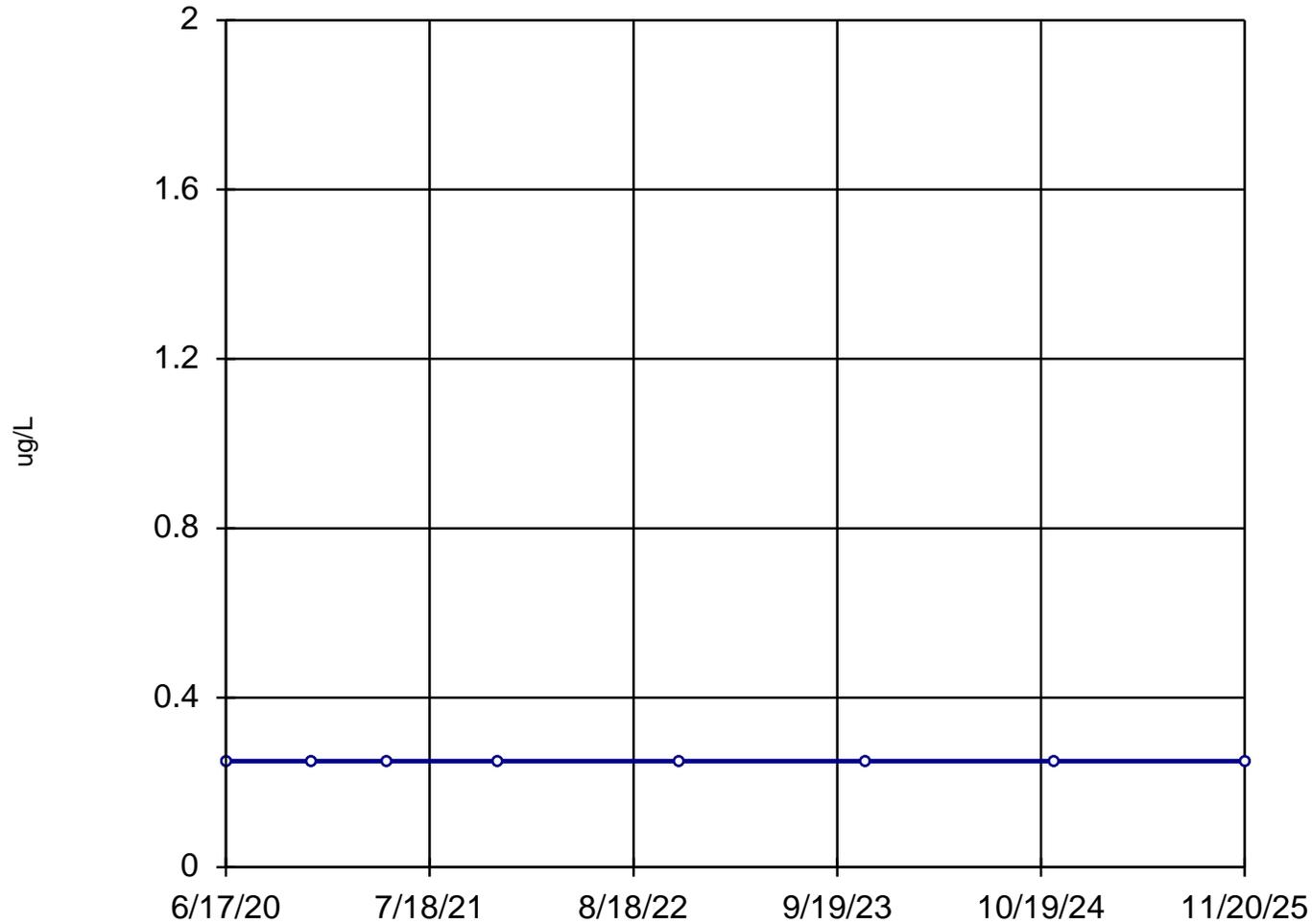
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-090



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

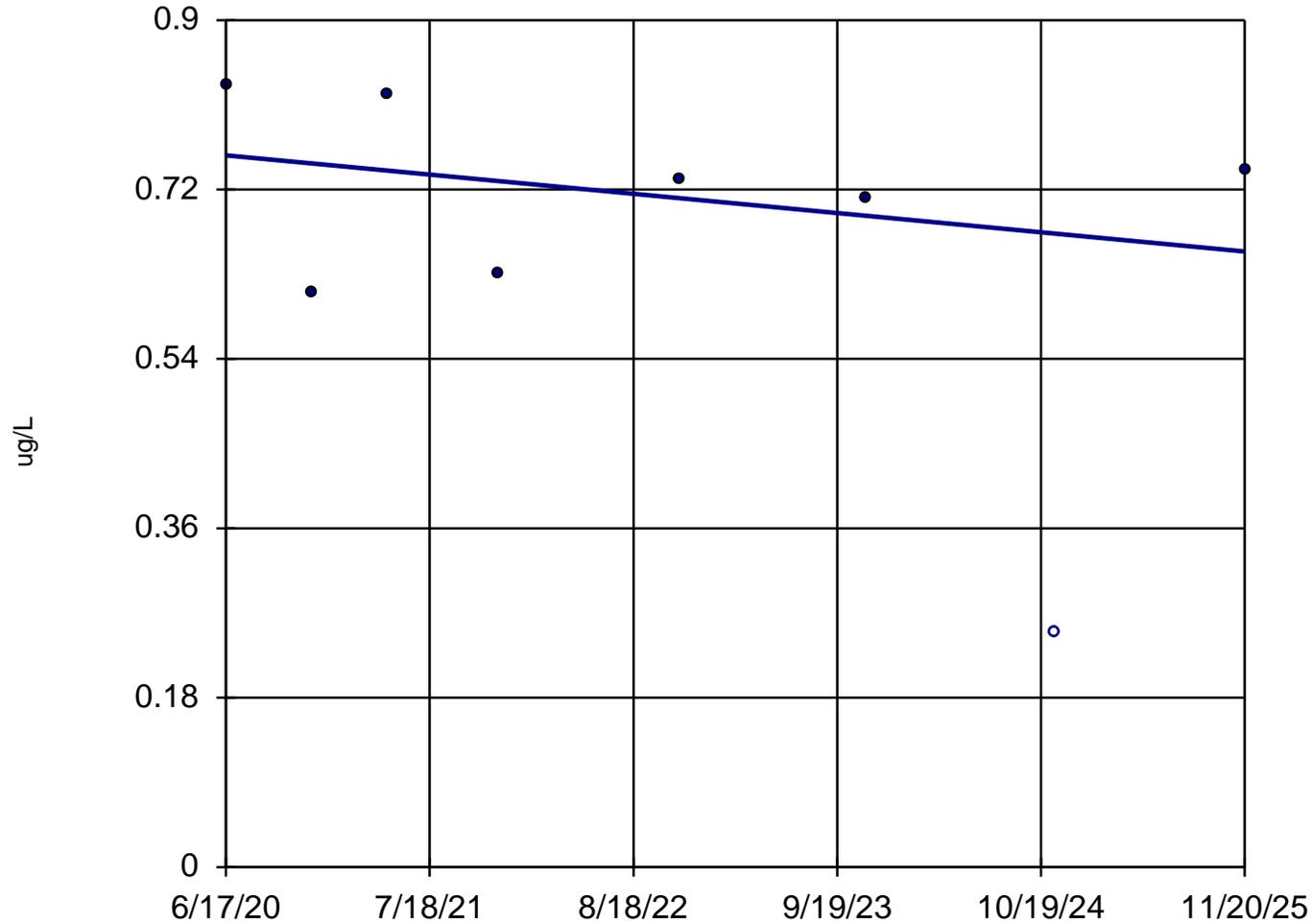
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-150



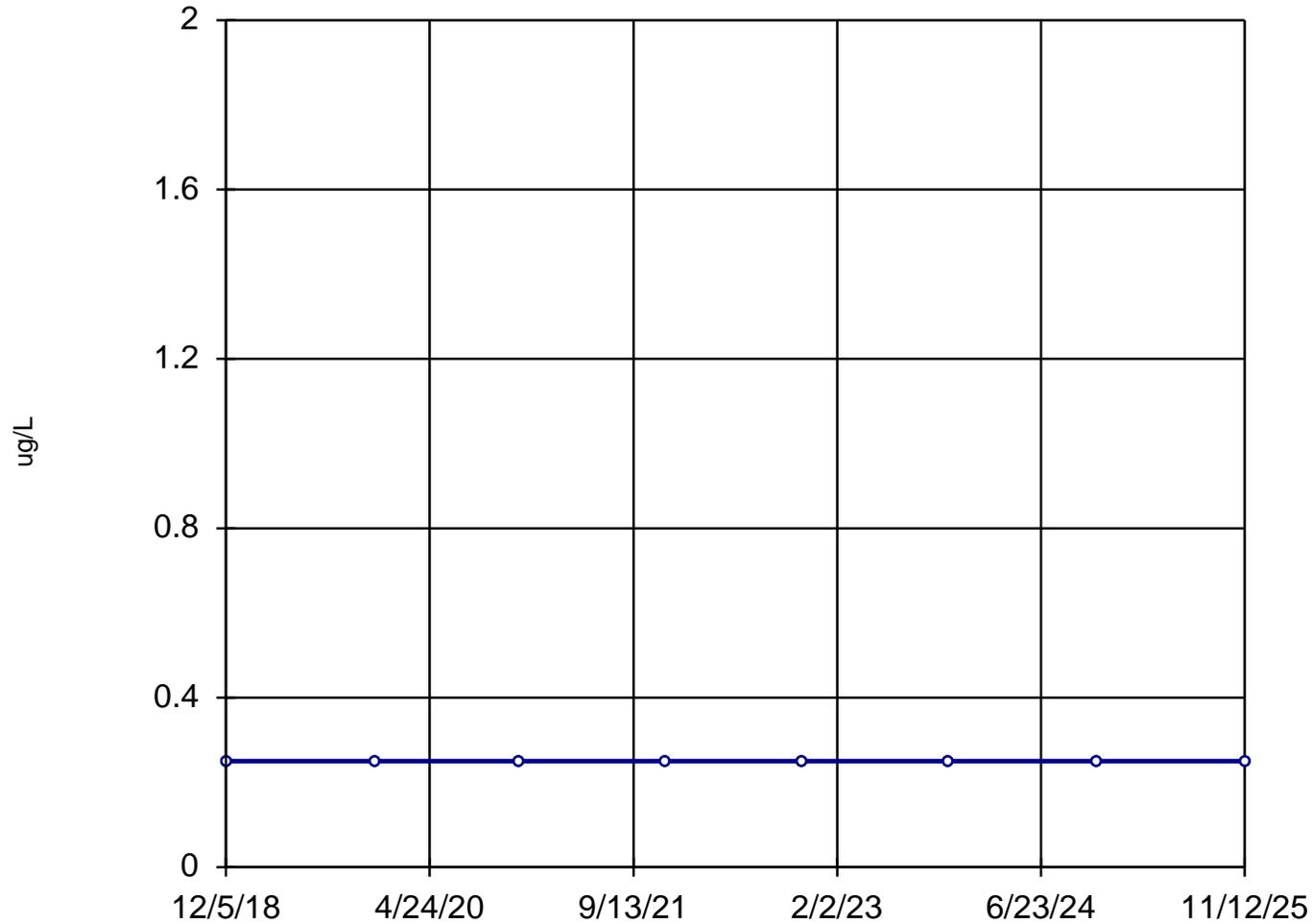
n = 8
Slope = -0.01882
units per year.
Mann-Kendall
statistic = -6
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-34-055



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

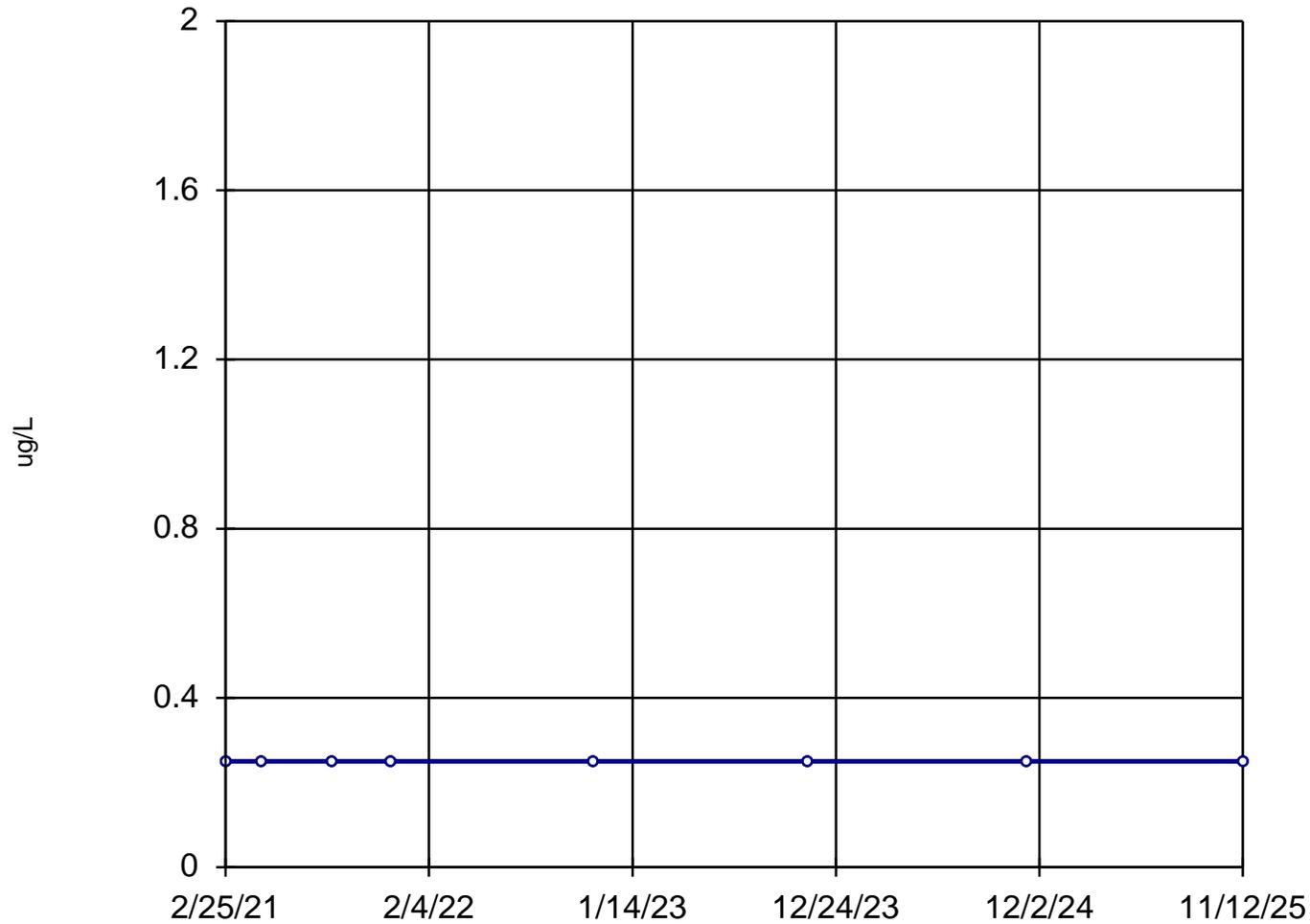
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-34-100



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

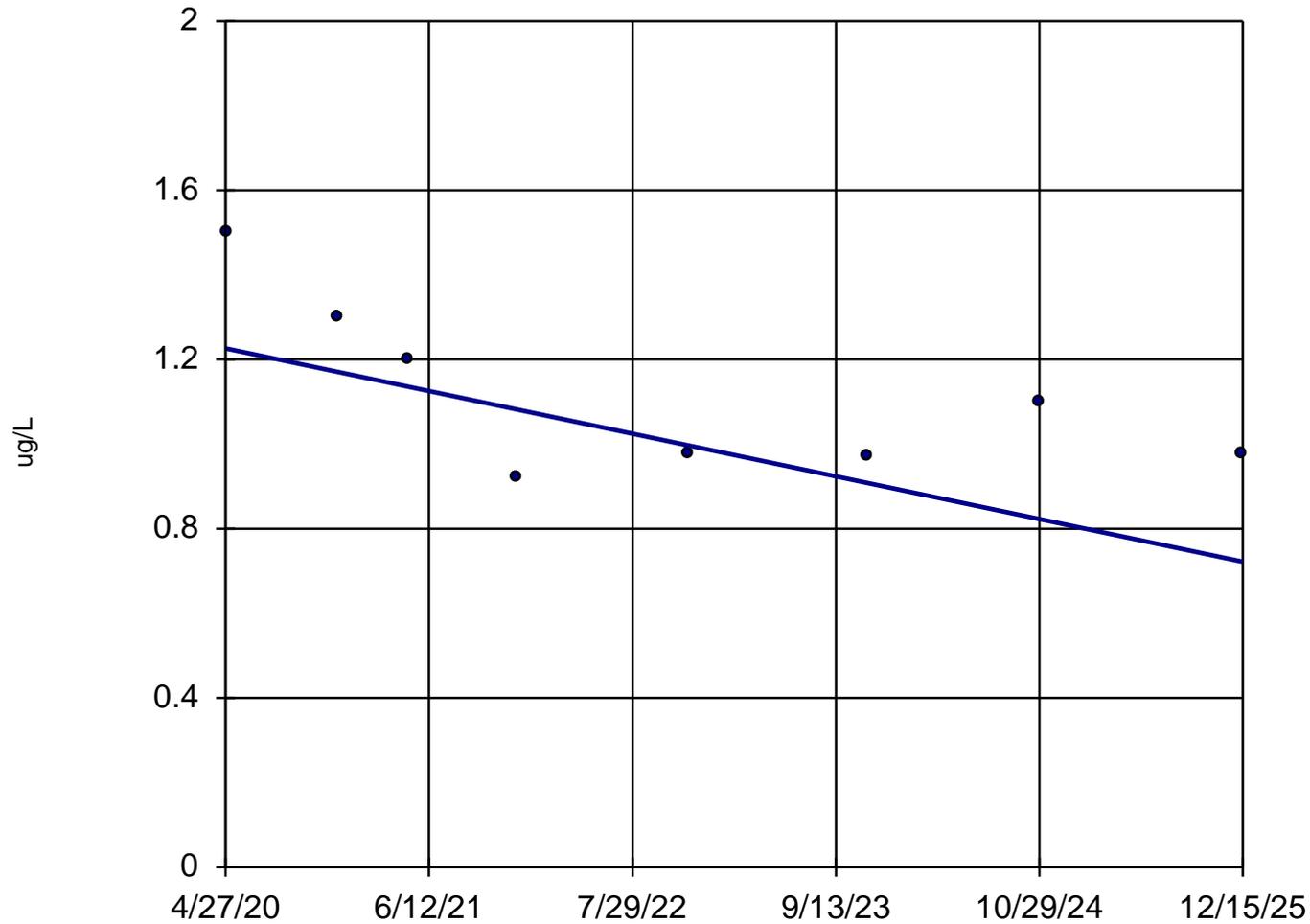
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-060



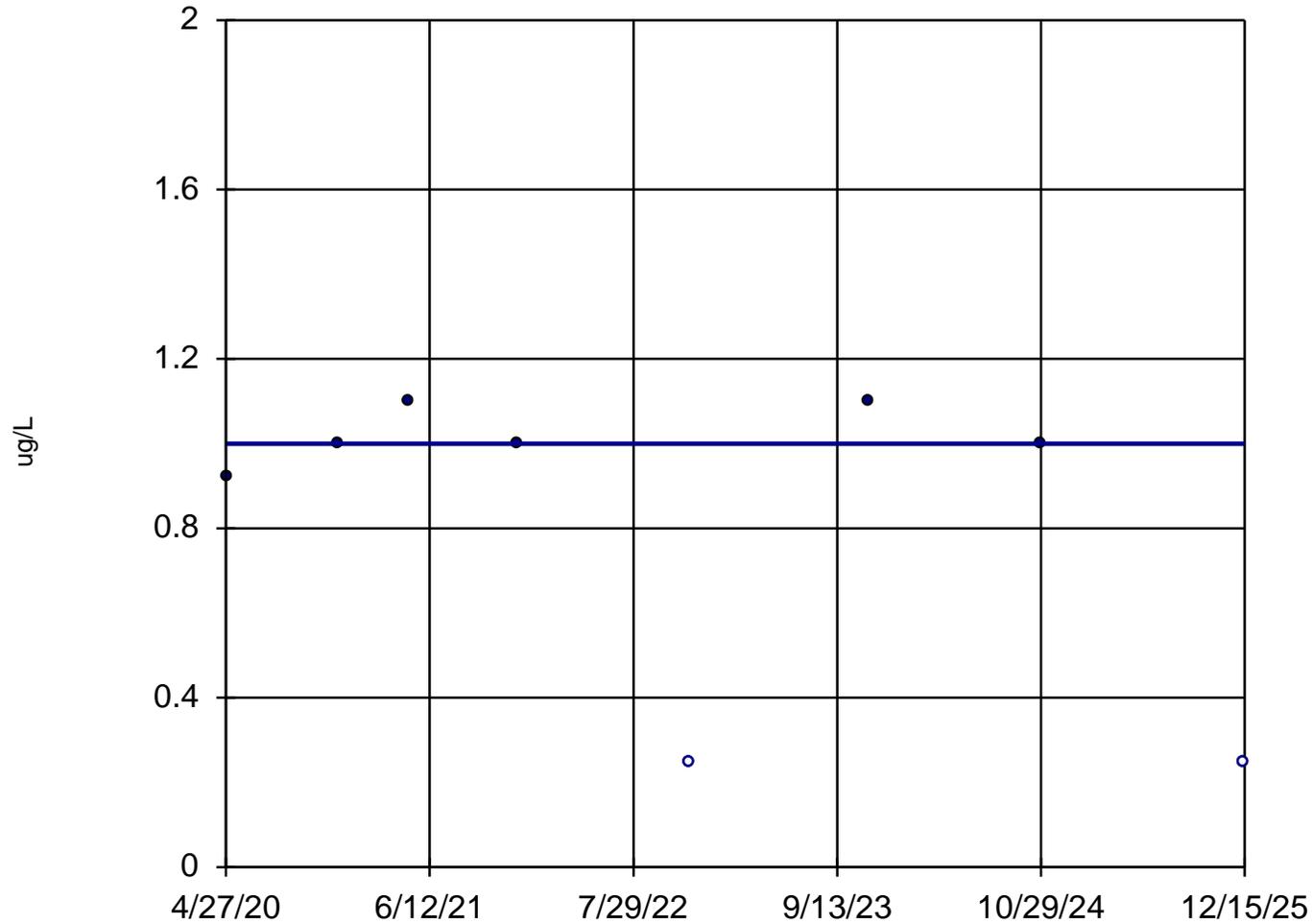
n = 8
Slope = -0.08951
units per year.
Mann-Kendall
statistic = -13
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-135



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = -3
critical = -15

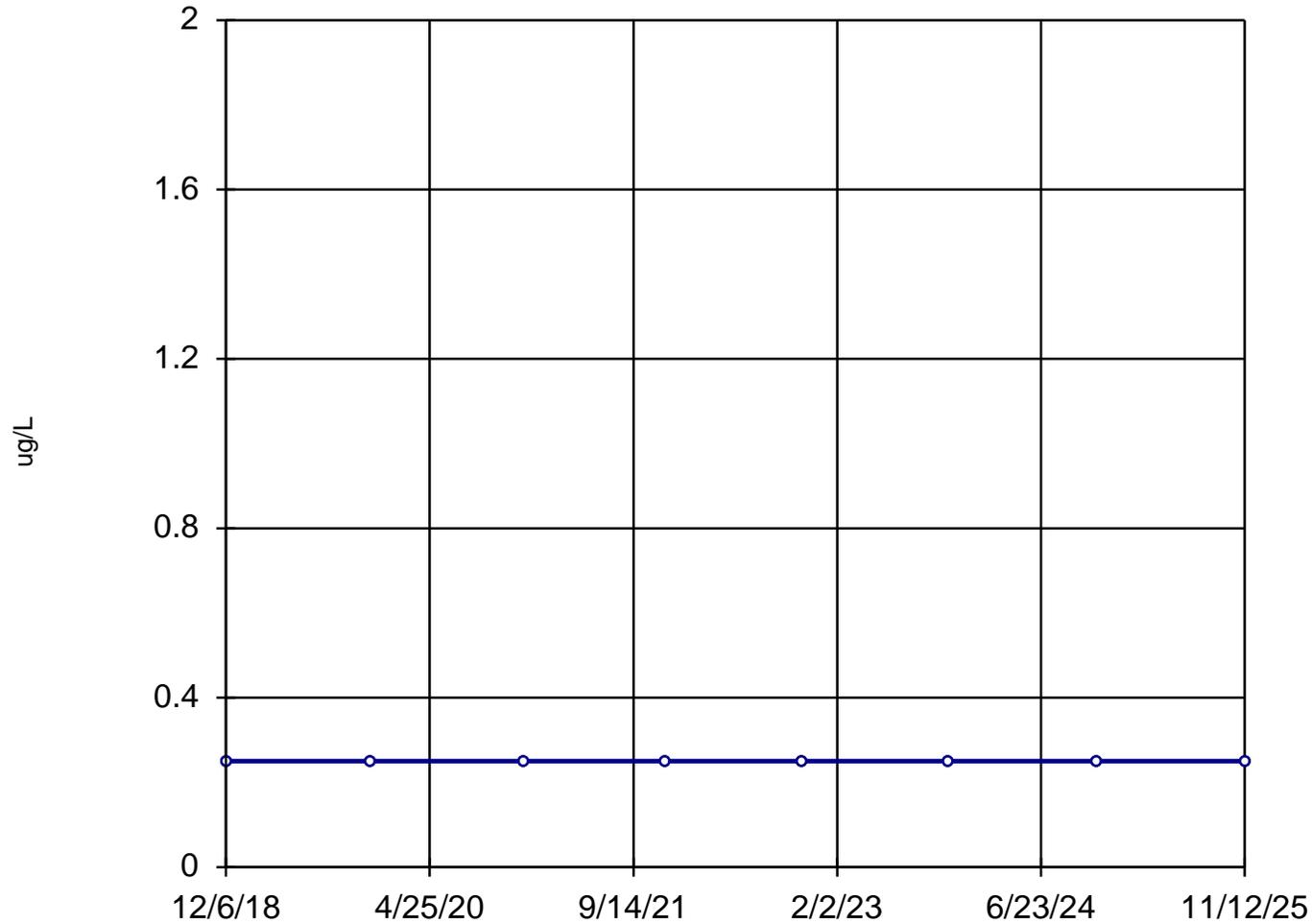
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-36-040



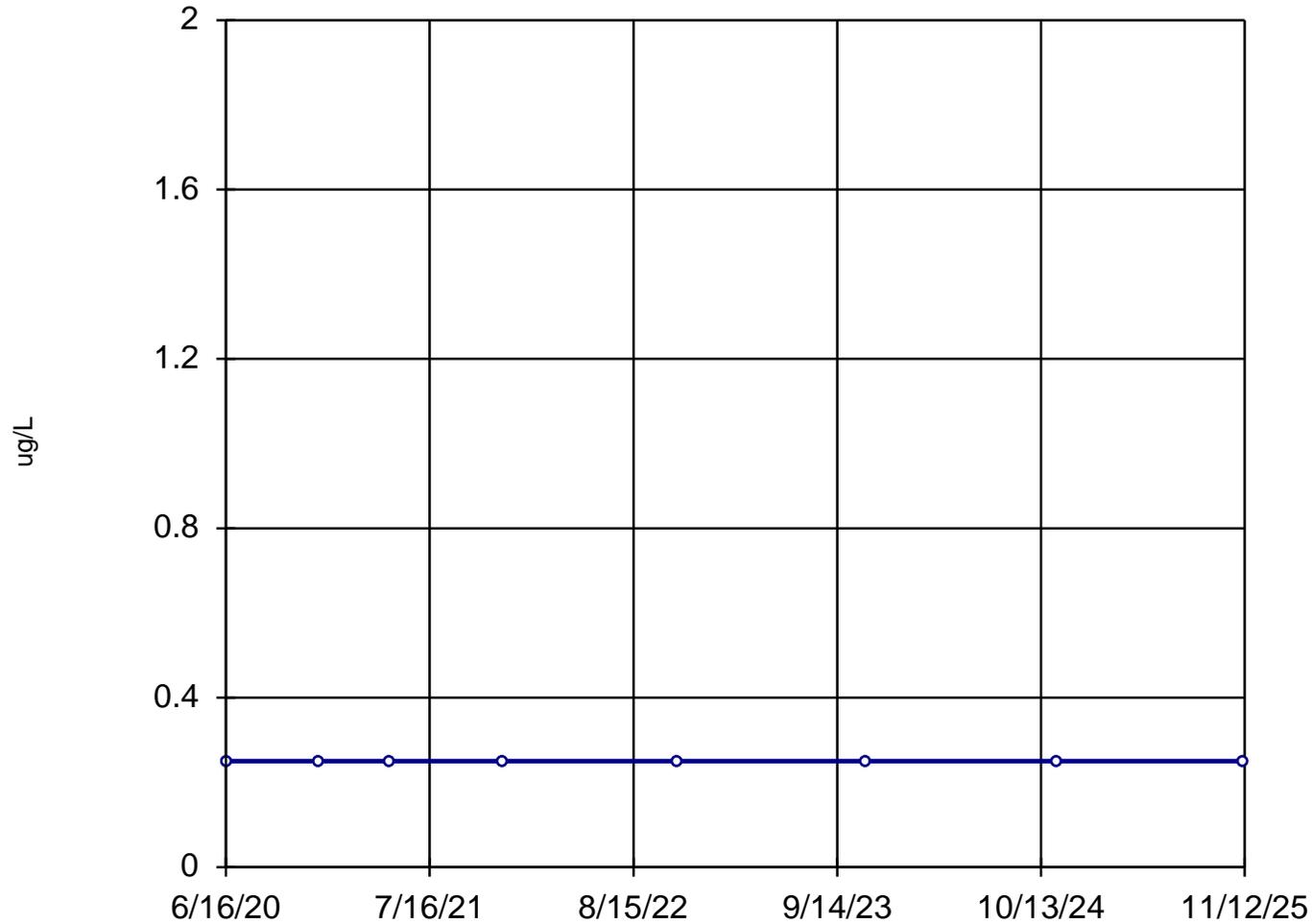
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-36-100



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

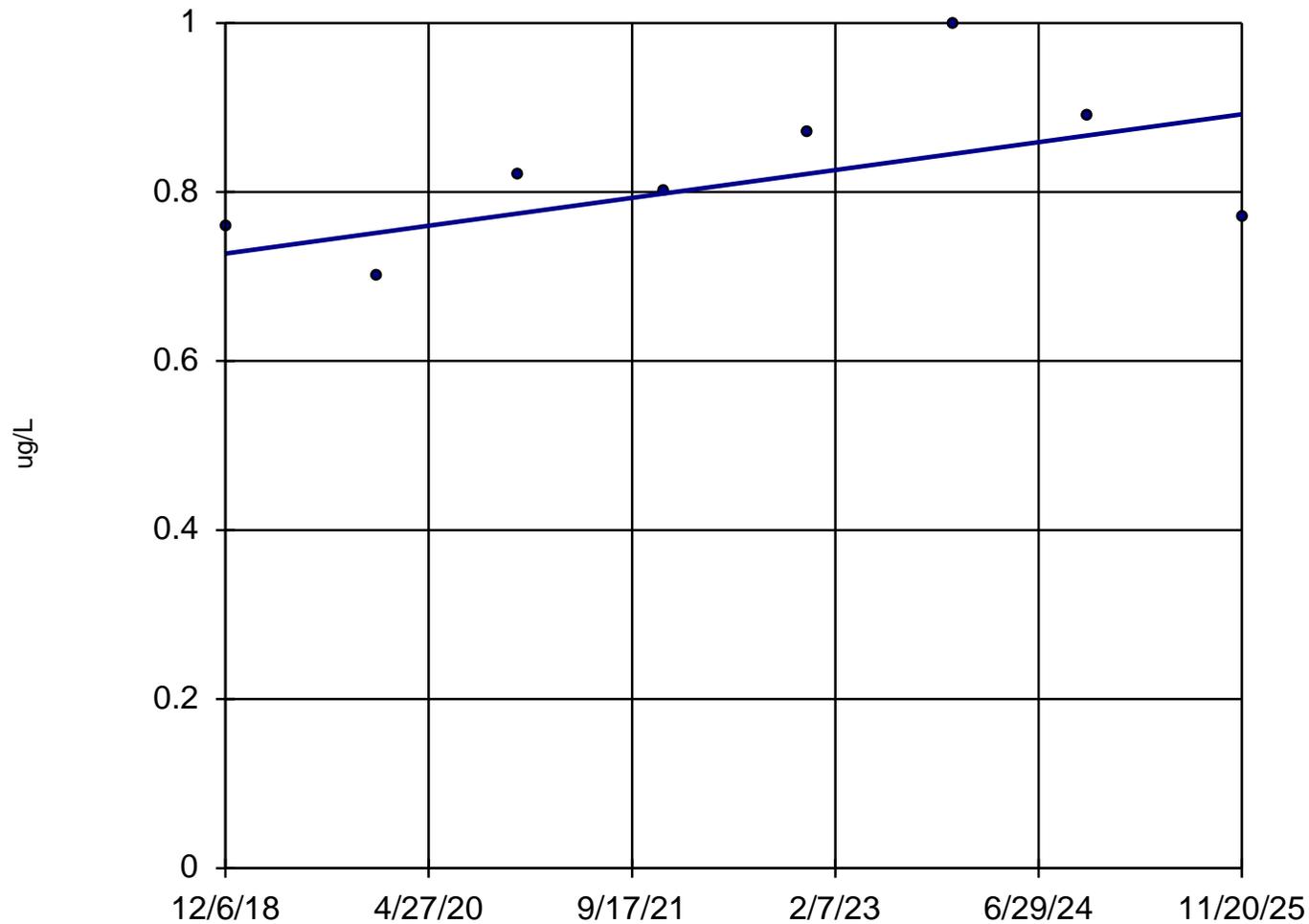
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-37S (bg)



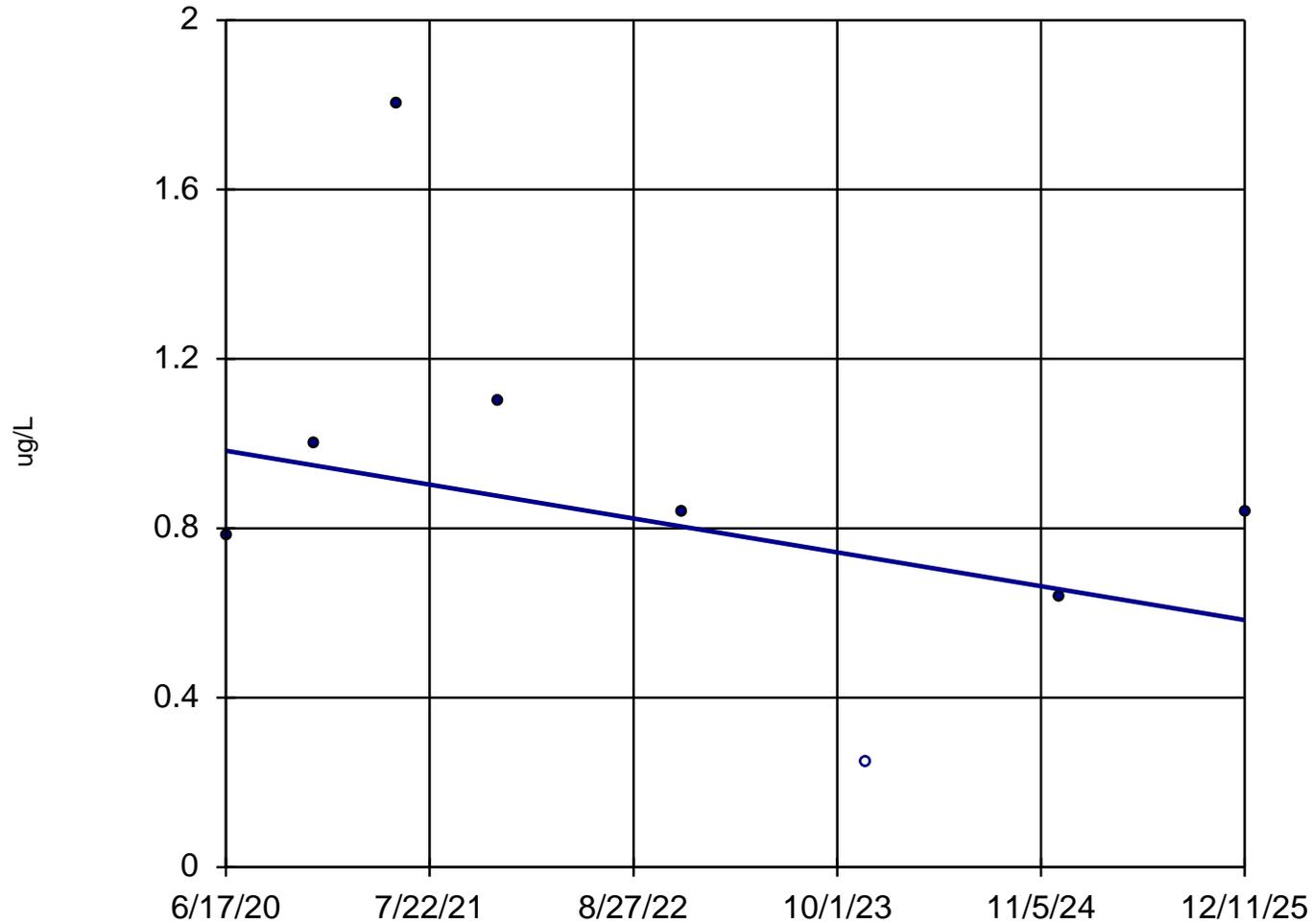
n = 8
Slope = 0.02367
units per year.
Mann-Kendall
statistic = 12
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40D (bg)



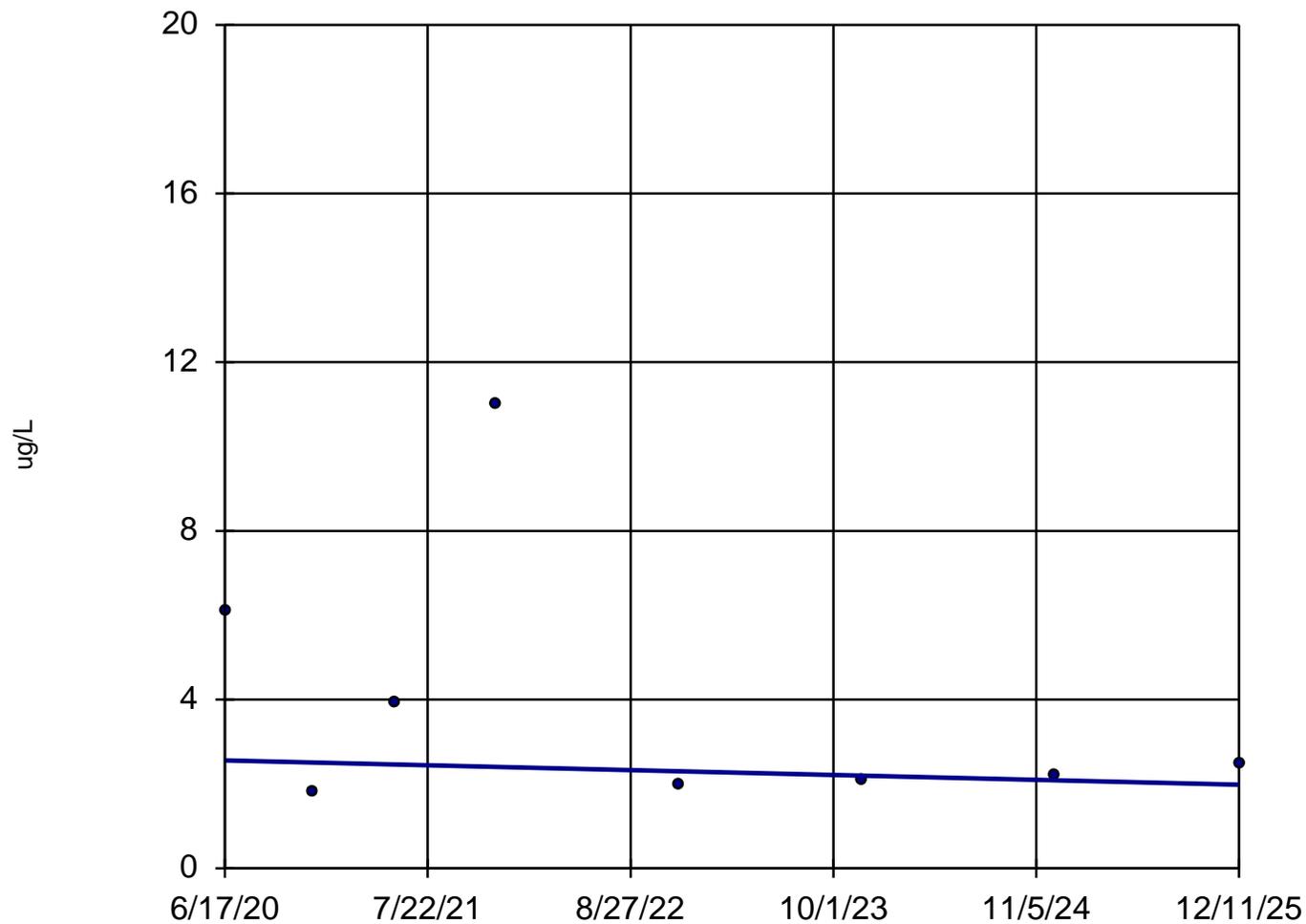
n = 8
Slope = -0.07287
units per year.
Mann-Kendall
statistic = -7
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40S (bg)



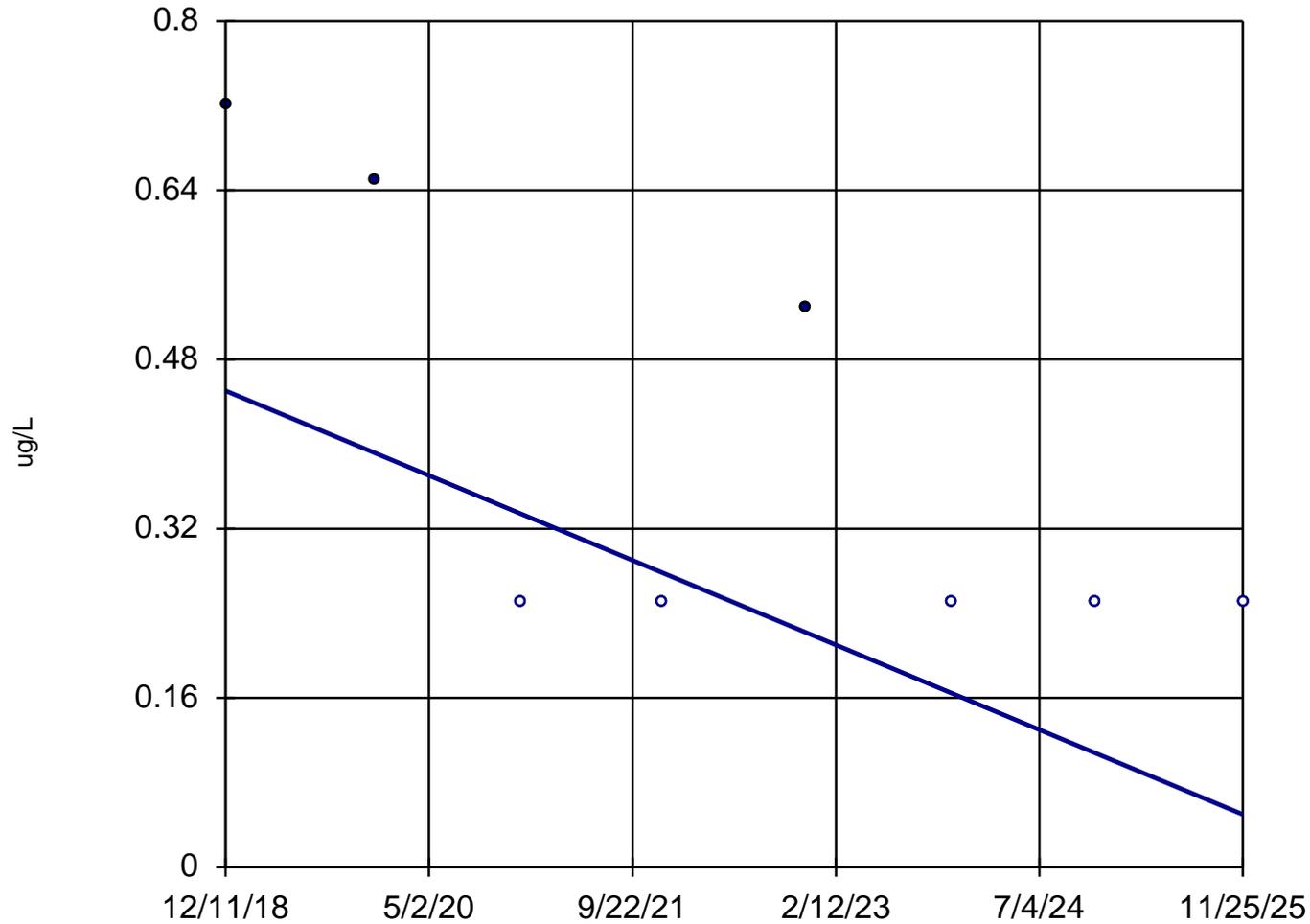
n = 8
Slope = -0.1051
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41M (bg)



n = 8

Slope = -0.05755
units per year.

Mann-Kendall
statistic = -14
critical = -15

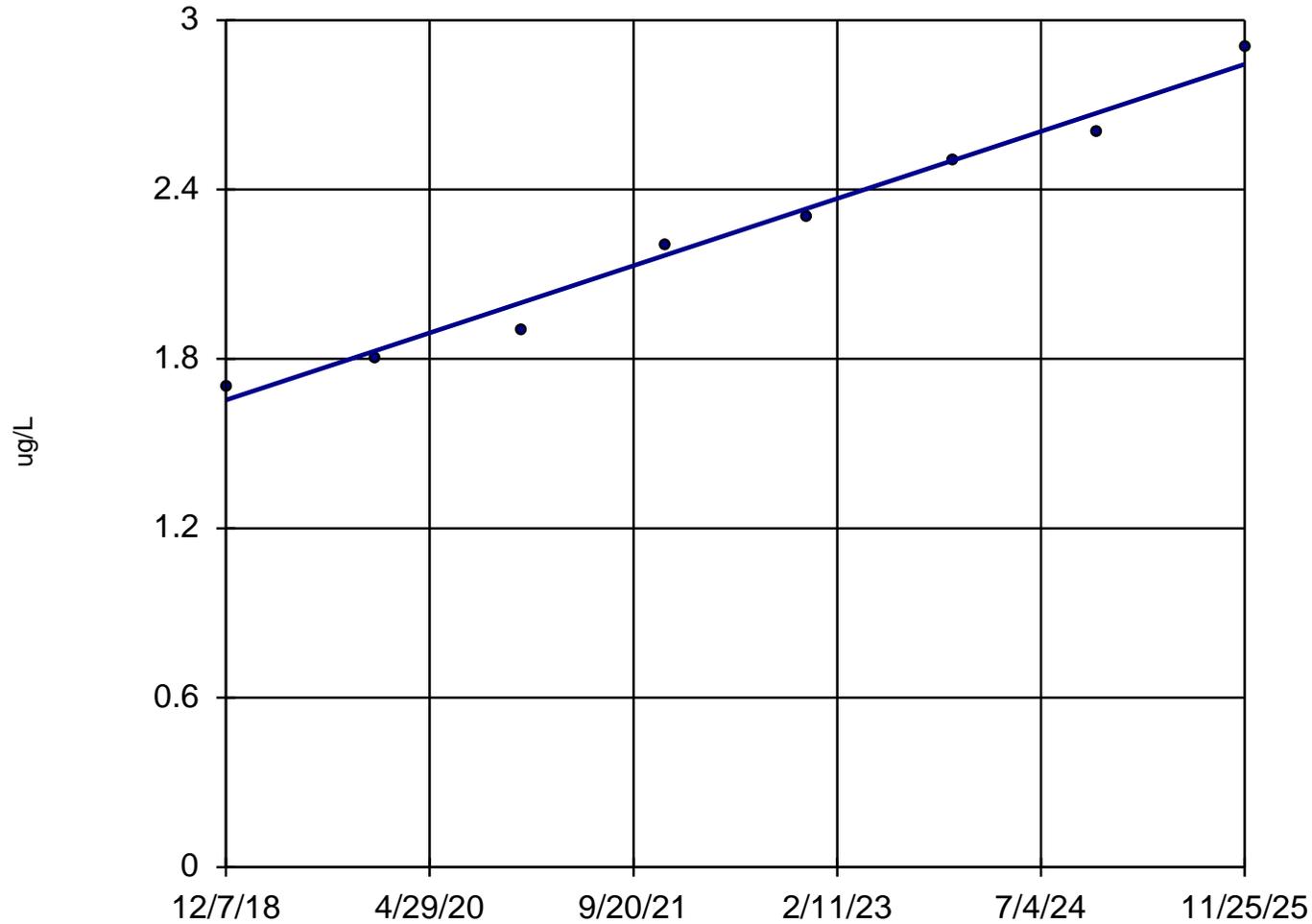
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41S (bg)



n = 8

Slope = 0.1706
units per year.

Mann-Kendall
statistic = 28
critical = 15

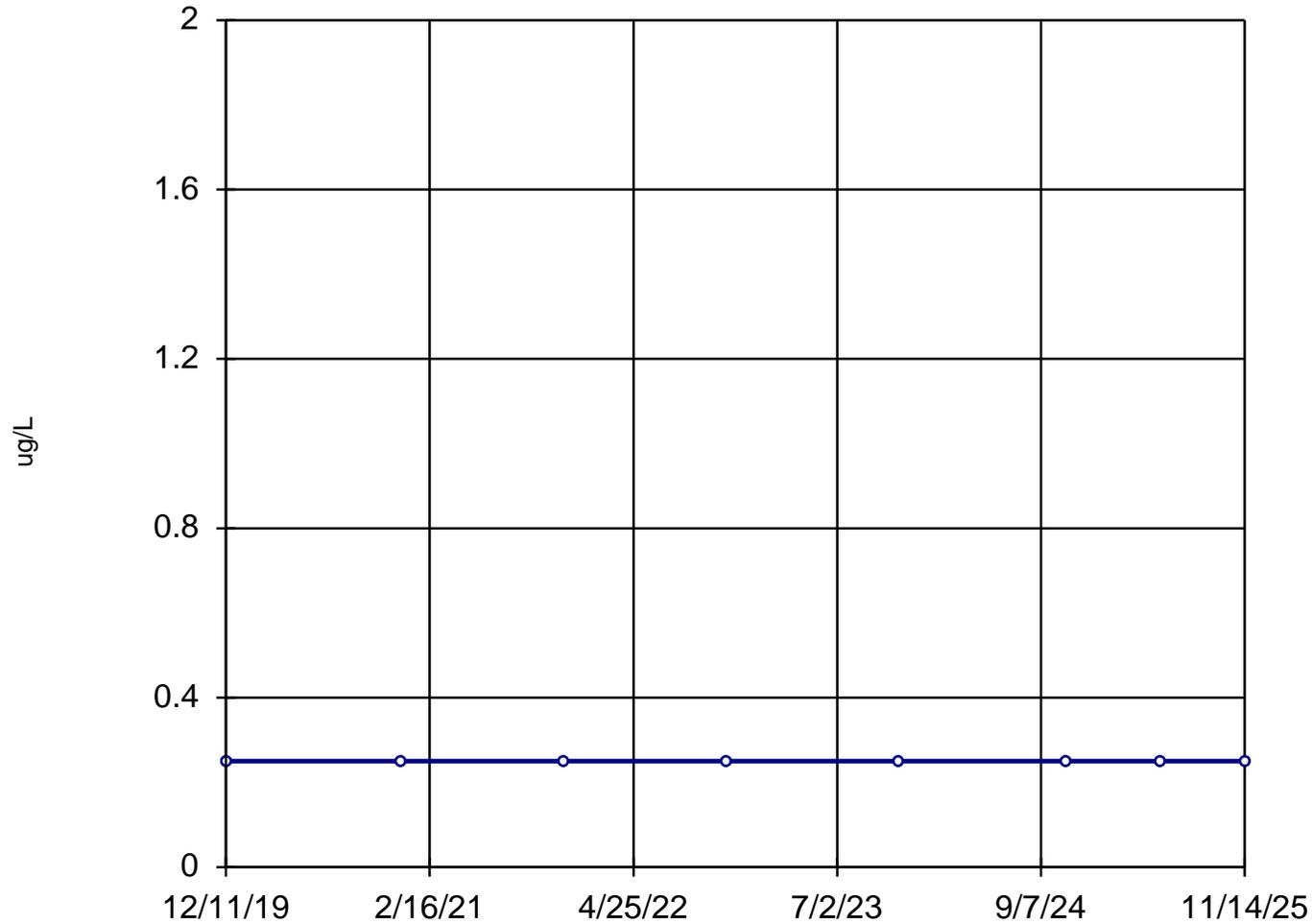
Increasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-42-030



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

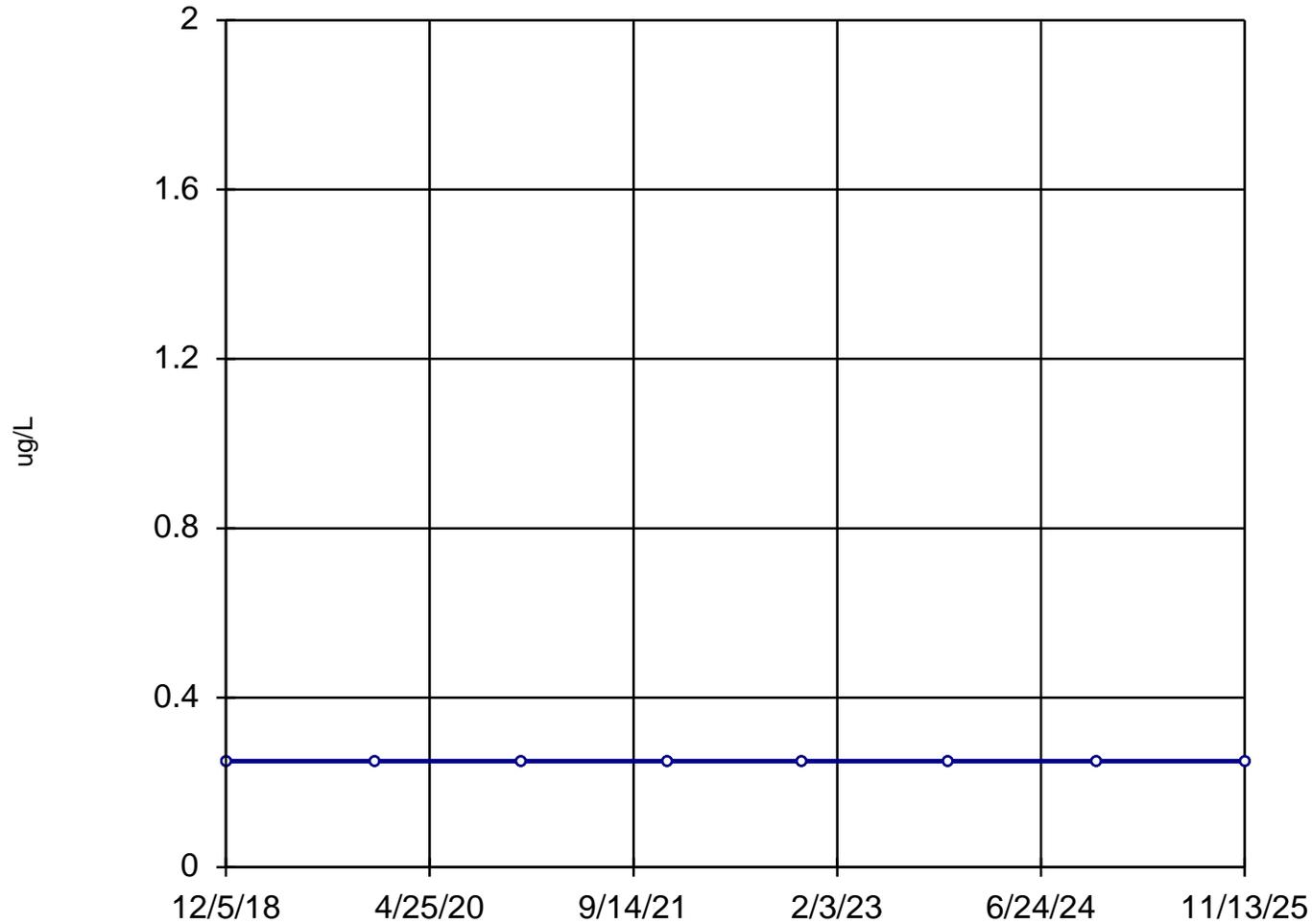
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-44-070



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

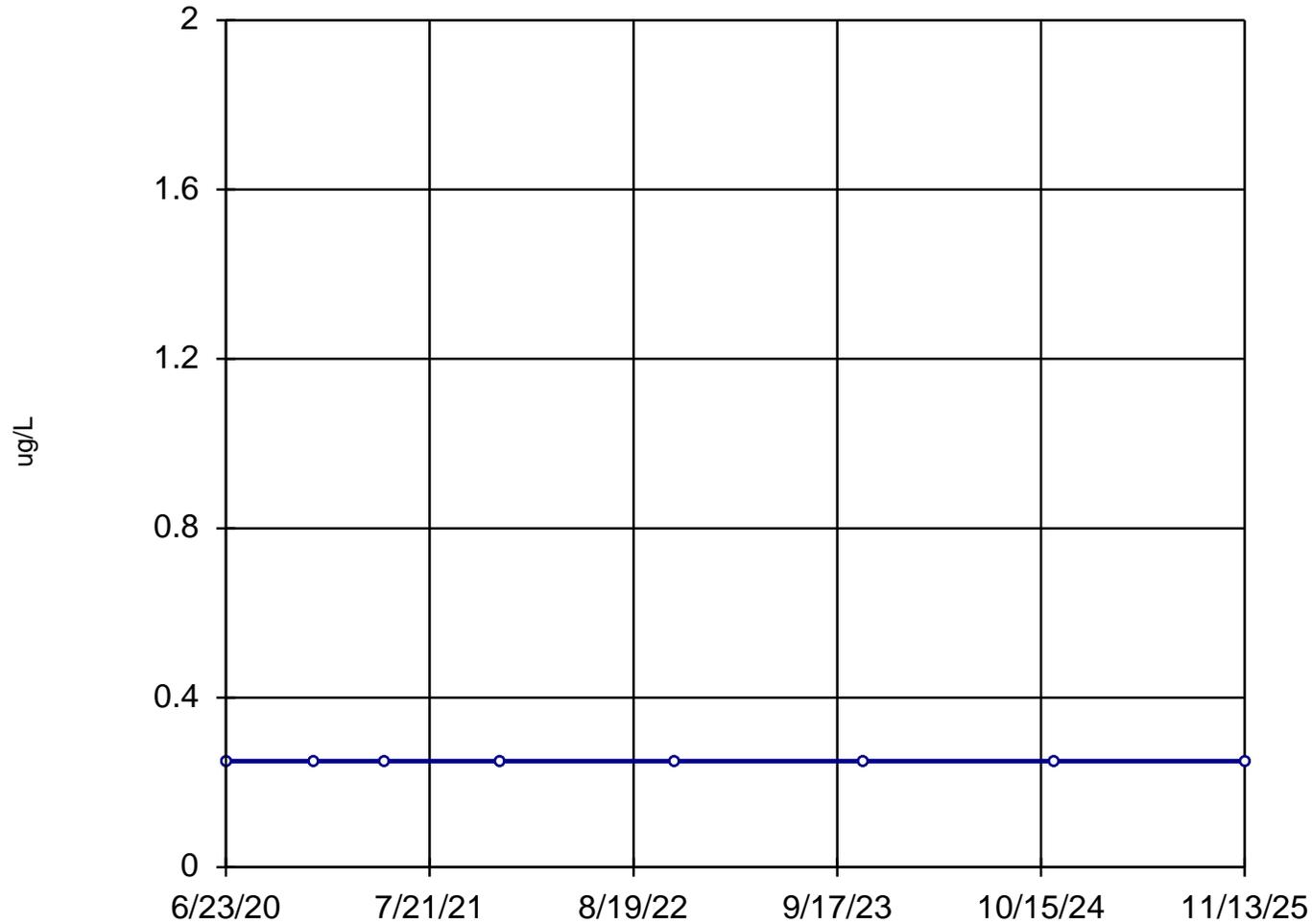
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-44-125



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

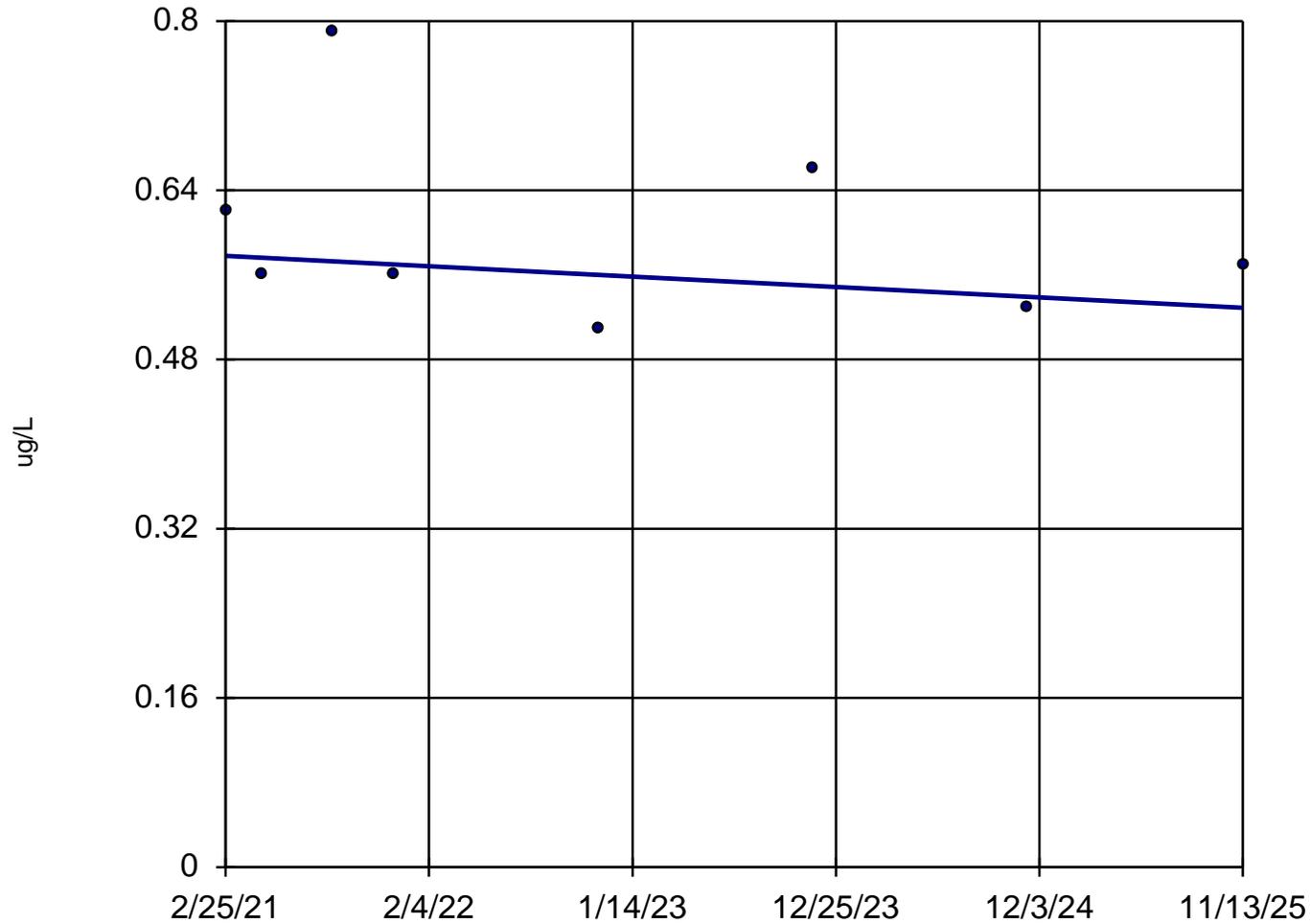
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-46-175



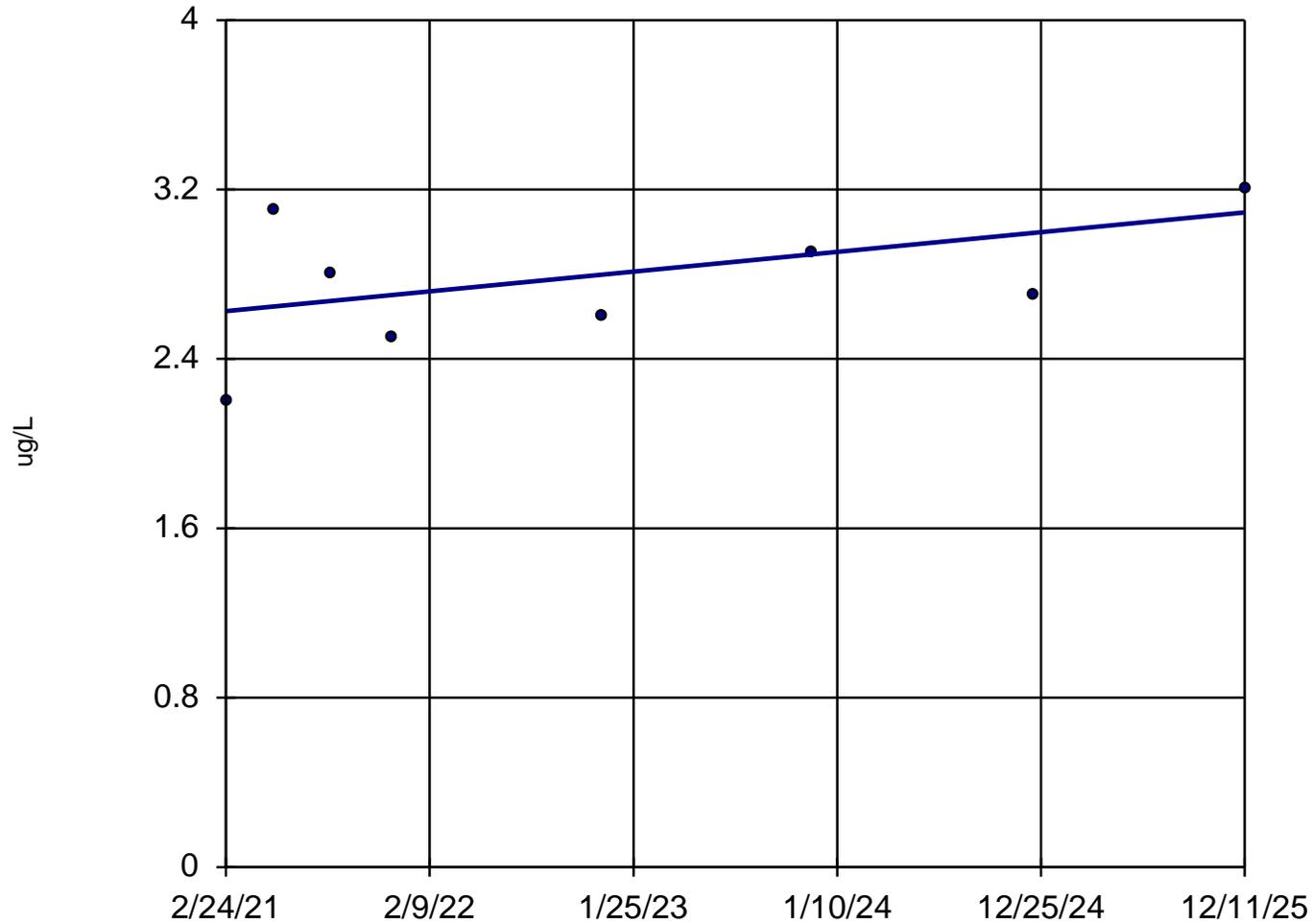
n = 8
Slope = -0.01042
units per year.
Mann-Kendall
statistic = -5
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-183 (bg)



n = 8

Slope = 0.09722
units per year.

Mann-Kendall
statistic = 10
critical = 15

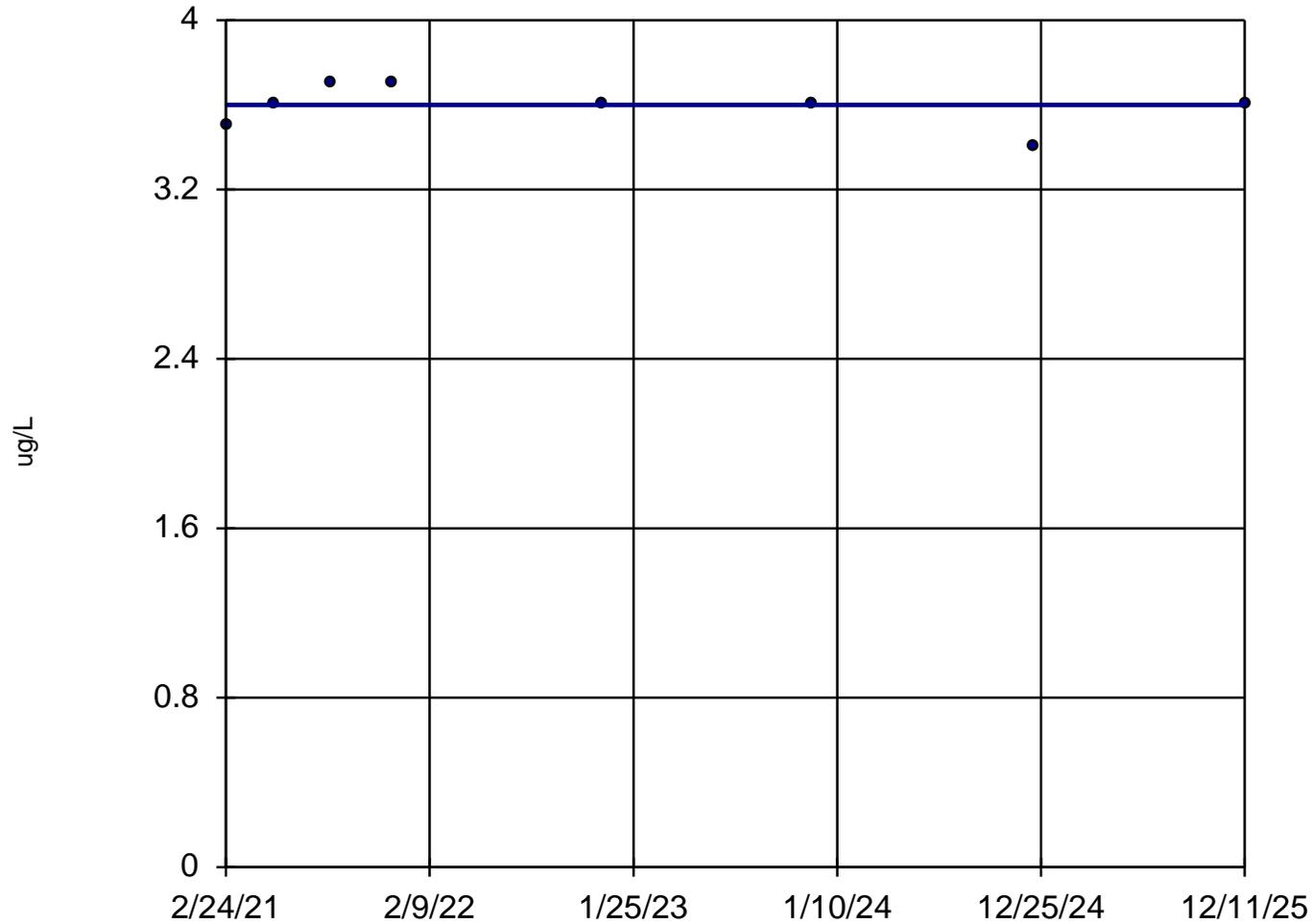
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-273 (bg)



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = -3
critical = -15

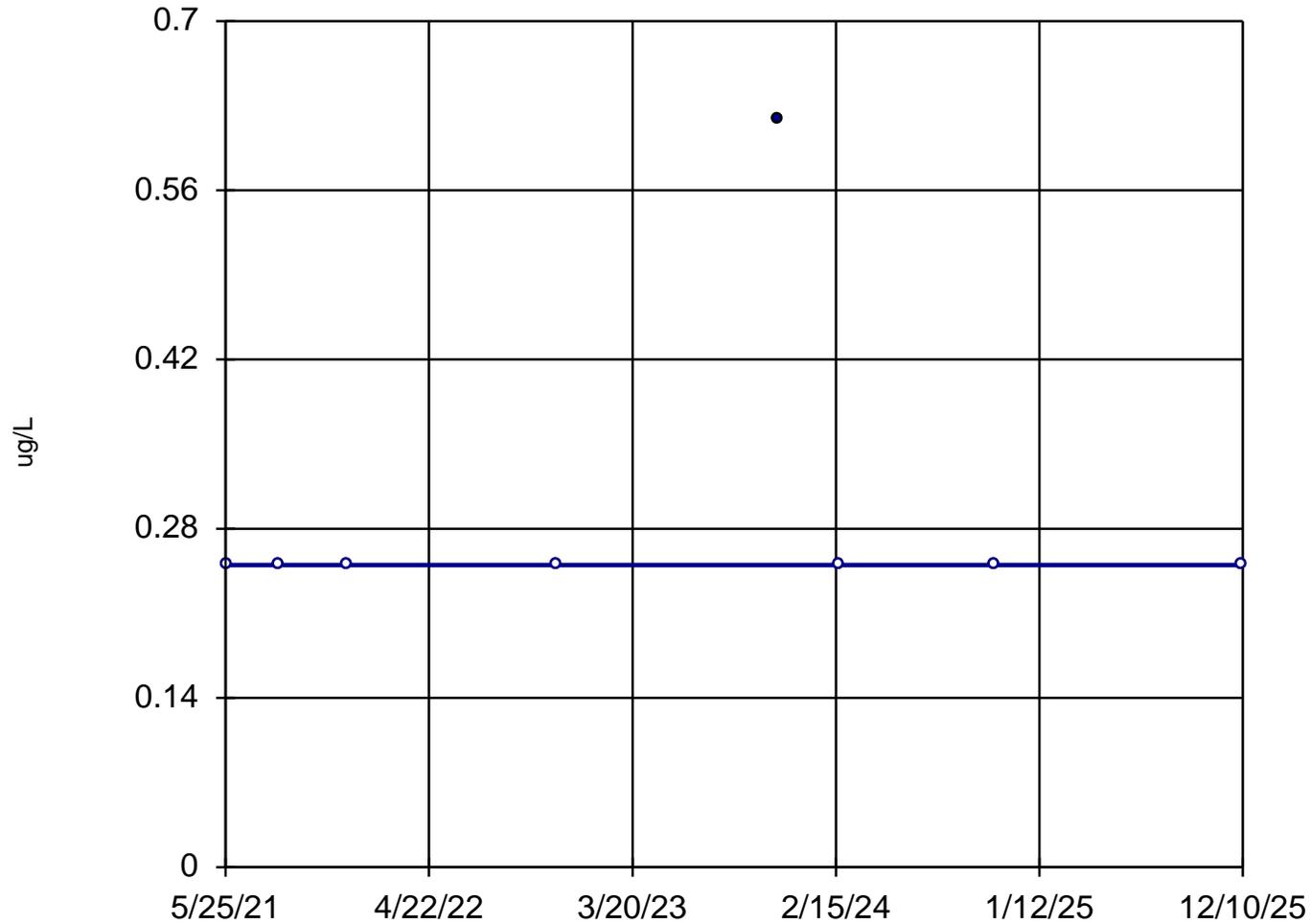
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-90-031



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 1
critical = 15

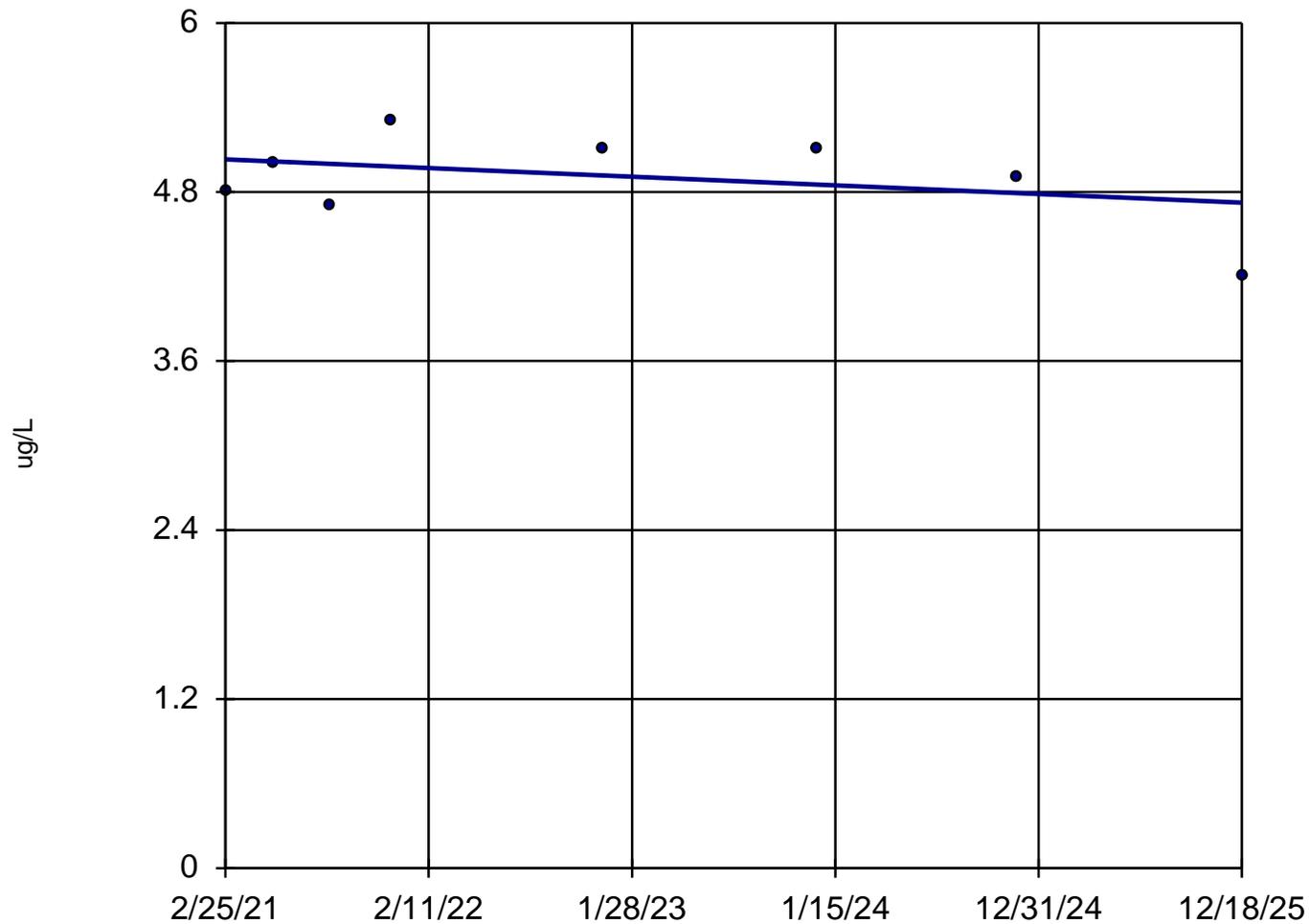
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-113 (bg)



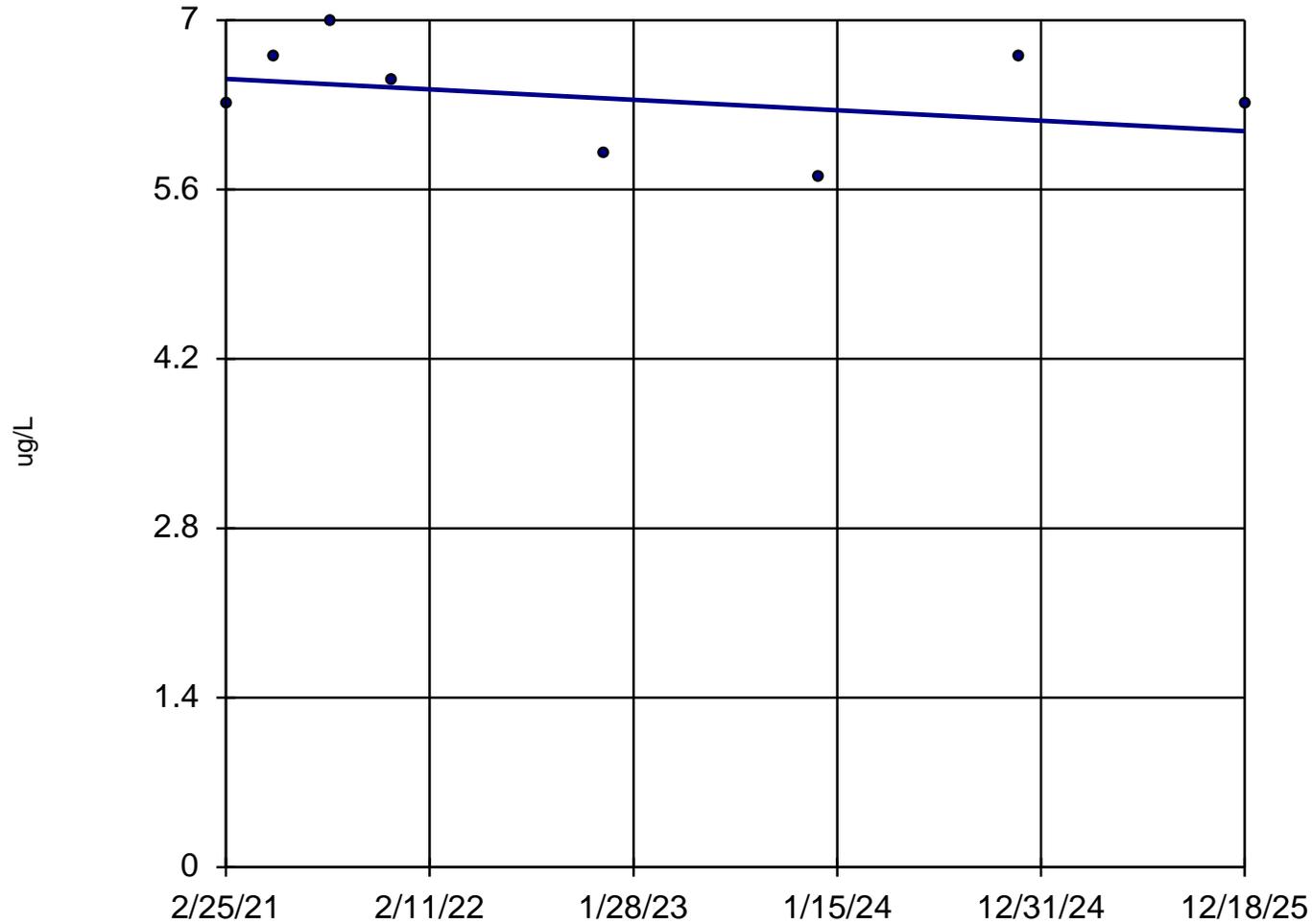
n = 8
Slope = -0.06378
units per year.
Mann-Kendall
statistic = -3
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-157 (bg)



n = 8
Slope = -0.08969
units per year.
Mann-Kendall
statistic = -6
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:13 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Trend Test

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset Printed 2/18/2026, 4:09 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Molybdenum, dissolved (ug/L)	MW-14 (bg)	-0.3664	-11	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-22	4.362	19	15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-23-060	0.4236	4	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-23-080	0.9013	9	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-27-060	0.2525	20	15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-27-085	1.339	14	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-32-035	-0.8907	-18	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-33-040	-27.16	-7	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-33-090	0.04084	0	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-33-150	-1.688	-15	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-34-055	-0.1018	-13	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-34-100	-2.133	-11	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-35-060	-0.4163	-10	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-35-135	-0.8883	-16	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-36-040	0.2671	15	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-36-100	-1.121	-17	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-37S (bg)	-0.5487	-18	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-40D (bg)	-3.067	-23	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-40S (bg)	-0.9436	-6	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-41M (bg)	0.5059	19	15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-41S (bg)	-0.1555	-11	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-42-030	-3.555	-18	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-44-070	0.06534	2	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-44-125	28.13	12	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-46-175	-11.67	-17	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-89-183 (bg)	-0.4776	-16	-15	Yes	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-89-273 (bg)	0.6585	9	15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-90-031	-0.7122	-12	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-95-113 (bg)	-0.1033	-8	-15	No	8	0	n/a	n/a	0.1	NP
Molybdenum, dissolved (ug/L)	MW-95-157 (bg)	0.3251	6	15	No	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-14 (bg)	-0.1843	-16	-15	Yes	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-23-060	-0.01248	-3	-15	No	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-23-080	-0.3248	-20	-15	Yes	8	12.5	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-33-040	-0.05709	-17	-15	Yes	8	62.5	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-33-090	-0.1443	-22	-15	Yes	8	62.5	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-33-150	-0.07211	-19	-15	Yes	8	50	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-35-060	0	1	15	No	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-35-135	-0.02694	-12	-15	No	8	12.5	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-37S (bg)	-0.02643	-18	-15	Yes	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-40D (bg)	-0.1764	-16	-15	Yes	8	37.5	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-40S (bg)	-0.04872	-15	-15	No	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-41M (bg)	-0.09476	-15	-15	No	8	50	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-41S (bg)	0.1001	21	15	Yes	8	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-89-183 (bg)	-0.3095	-6	-6	No	4	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-89-273 (bg)	-0.3649	-6	-6	No	4	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-95-113 (bg)	0.2238	2	6	No	4	0	n/a	n/a	0.1	NP
Nitrate [as nitrogen] (mg/L)	MW-95-157 (bg)	0.8281	6	6	No	4	0	n/a	n/a	0.1	NP
Nitrate/Nitrite as Nitrogen (mg/L)	MW-23-060	-0.1473	-13	-10	Yes	6	0	n/a	n/a	0.1	NP
Nitrate/Nitrite as Nitrogen (mg/L)	MW-23-080	-0.3788	-13	-10	Yes	6	0	n/a	n/a	0.1	NP
Nitrate/Nitrite as Nitrogen (mg/L)	MW-89-183 (bg)	0.03741	10	15	No	8	0	n/a	n/a	0.1	NP

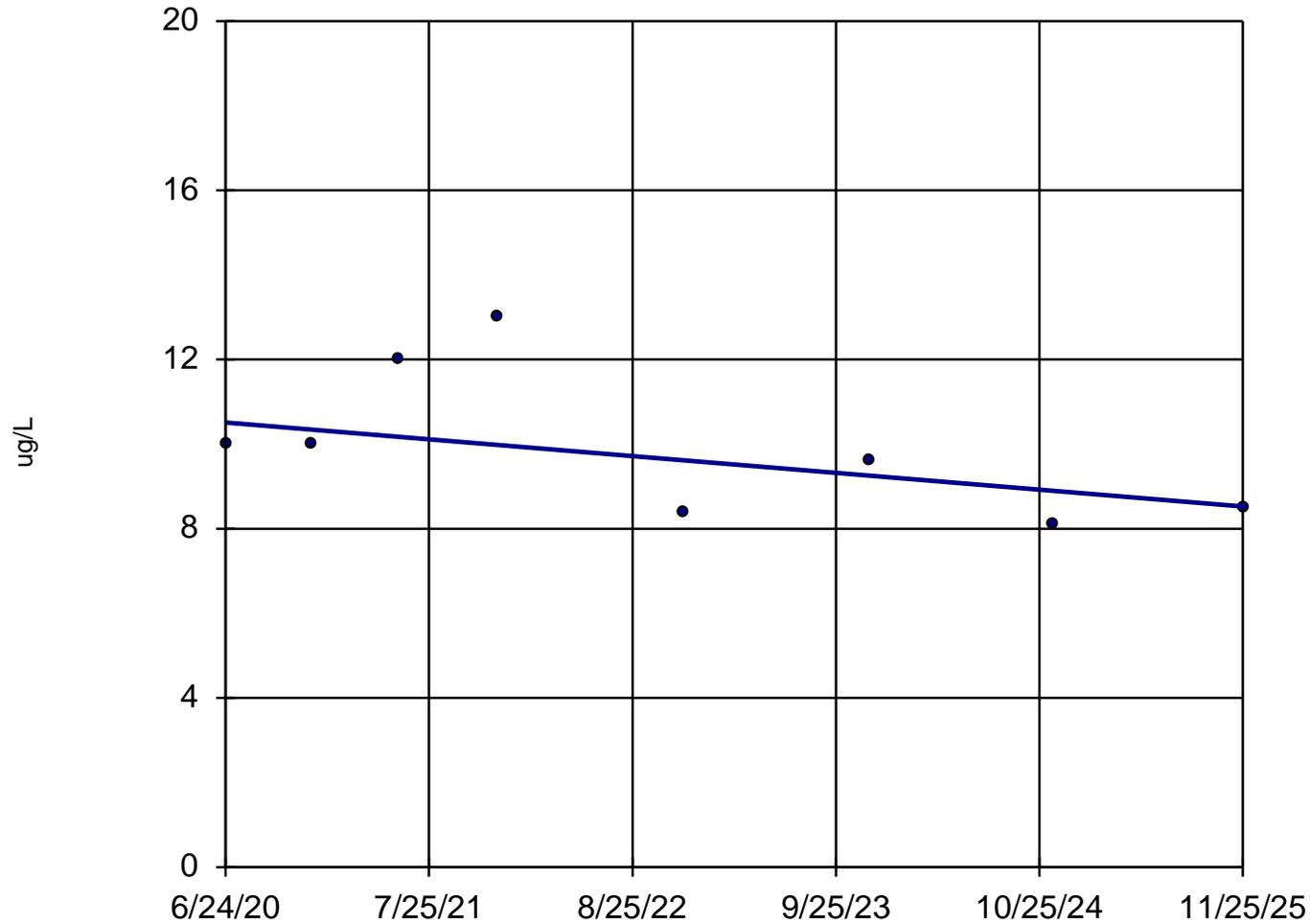
Trend Test

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset Printed 2/18/2026, 4:09 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Nitrate/Nitrite as Nitrogen (mg/L)	MW-89-273 (bg)	0	1	15	No	8	0	n/a	n/a	0.1	NP
Nitrate/Nitrite as Nitrogen (mg/L)	MW-95-113 (bg)	0	0	15	No	8	0	n/a	n/a	0.1	NP
Nitrate/Nitrite as Nitrogen (mg/L)	MW-95-157 (bg)	-0.1927	-6	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-14 (bg)	-0.01008	-5	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-22	0	-12	-15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-23-060	-0.3103	-23	-15	Yes	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-23-080	-0.3991	-23	-15	Yes	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-27-060	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-27-085	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-32-035	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-33-040	-0.1496	-2	-15	No	8	12.5	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-33-090	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-33-150	-0.01882	-6	-15	No	8	12.5	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-34-055	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-34-100	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-35-060	-0.08951	-13	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-35-135	0	-3	-15	No	8	25	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-36-040	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-36-100	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-37S (bg)	0.02367	12	15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-40D (bg)	-0.07287	-7	-15	No	8	12.5	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-40S (bg)	-0.1051	0	15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-41M (bg)	-0.02019	-14	-15	No	8	62.5	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-41S (bg)	0.1706	28	15	Yes	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-42-030	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-44-070	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-44-125	0	0	15	No	8	100	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-46-175	-0.01042	-5	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-89-183 (bg)	0.09722	10	15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-89-273 (bg)	0	-3	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-90-031	0	5	15	No	8	87.5	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-95-113 (bg)	-0.06378	-3	-15	No	8	0	n/a	n/a	0.1	NP
Selenium, dissolved (ug/L)	MW-95-157 (bg)	-0.08969	-6	-15	No	8	0	n/a	n/a	0.1	NP

Sen's Slope Estimator

MW-14 (bg)



n = 8

Slope = -0.3664
units per year.

Mann-Kendall
statistic = -11
critical = -15

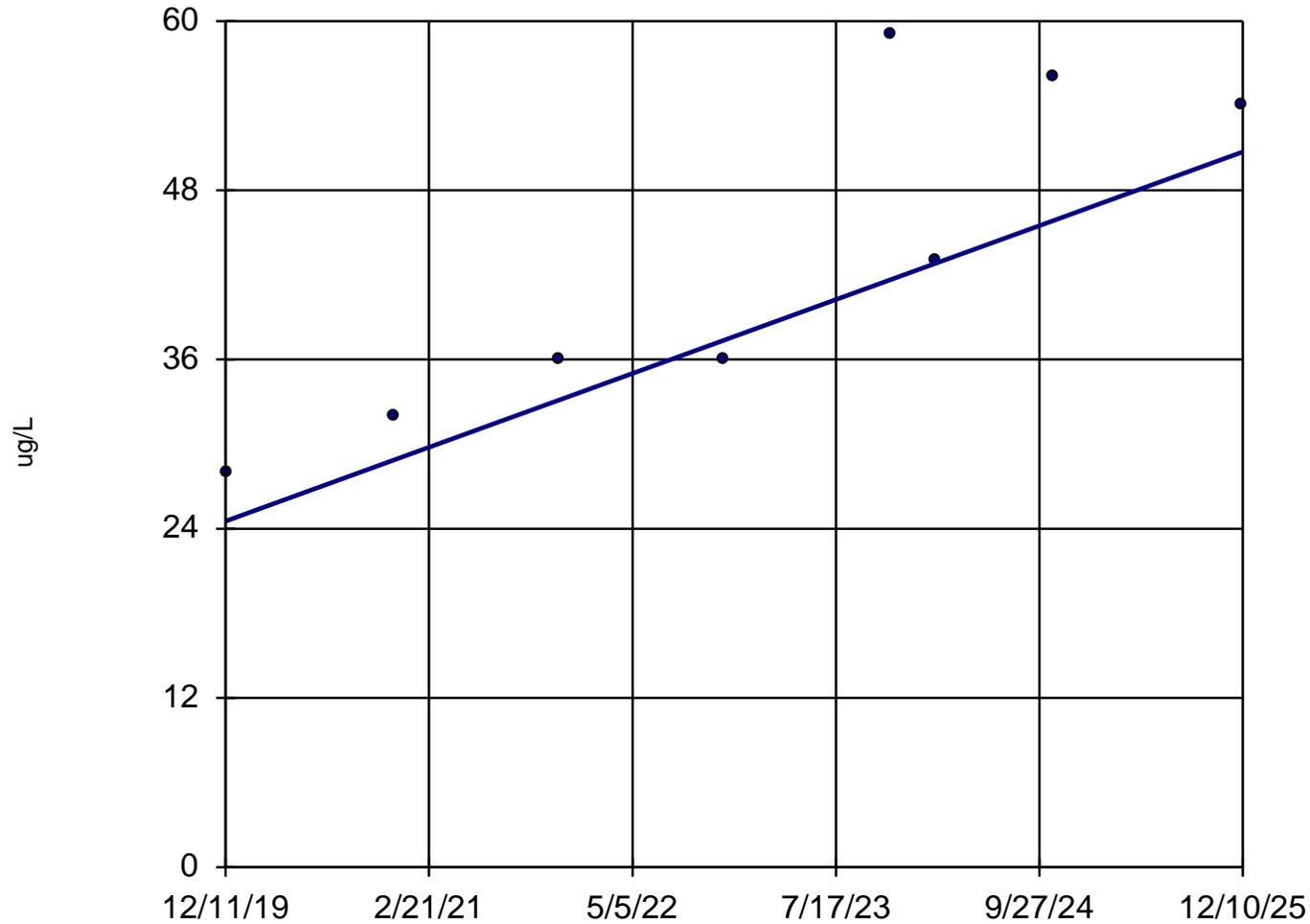
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:03 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-22



n = 8

Slope = 4.362
units per year.

Mann-Kendall
statistic = 19
critical = 15

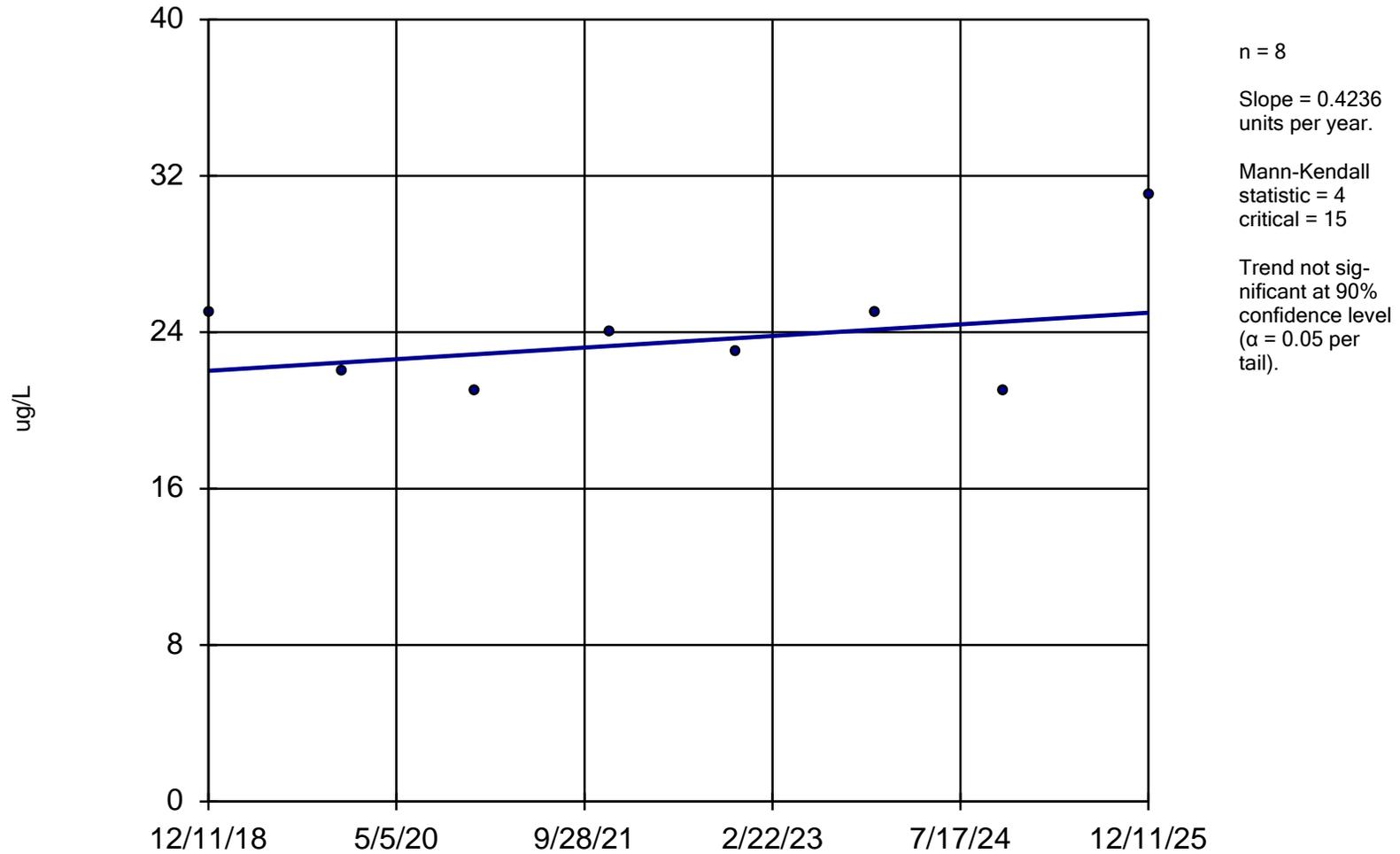
Increasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:03 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-060

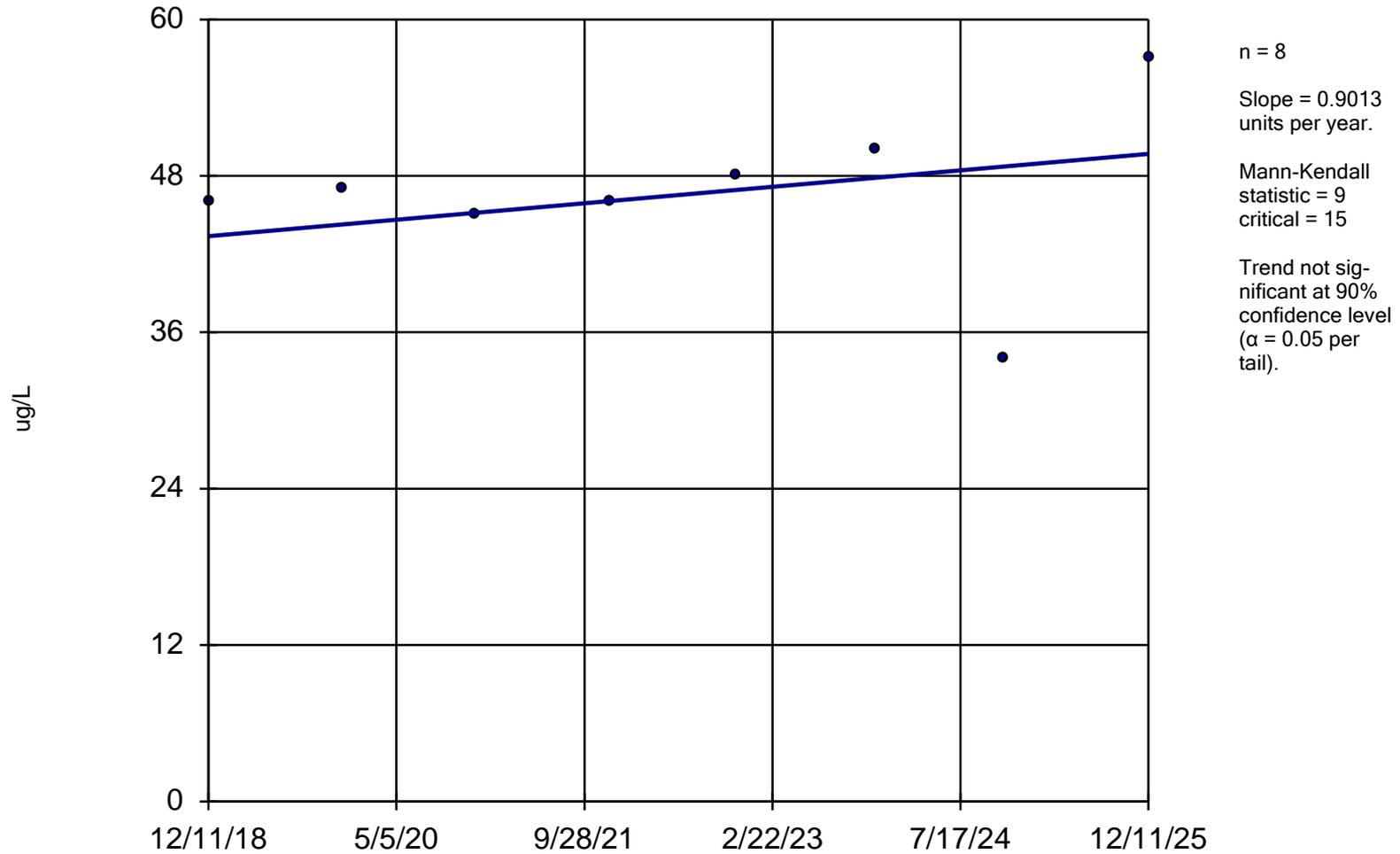


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:03 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-080

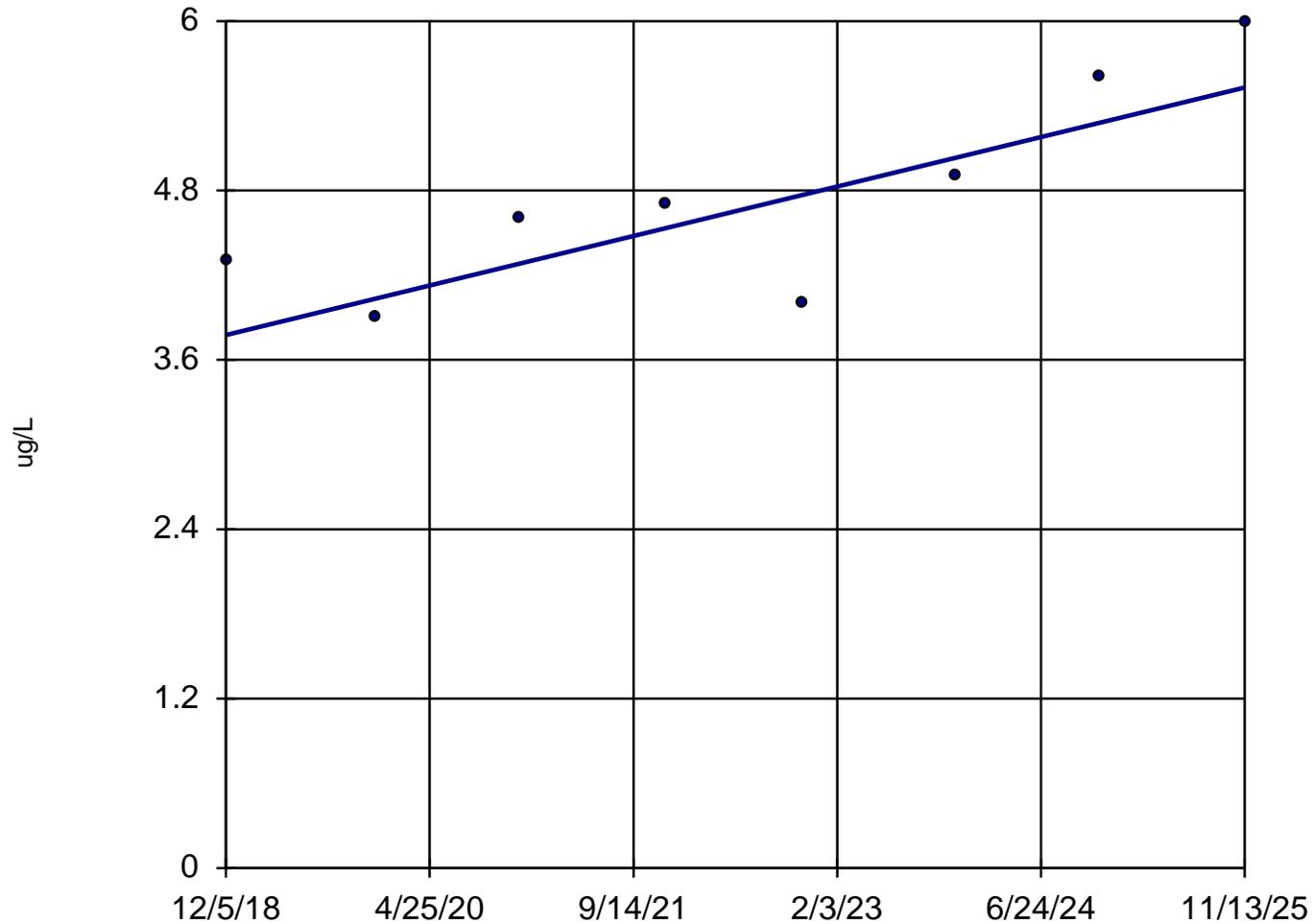


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:03 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-27-060



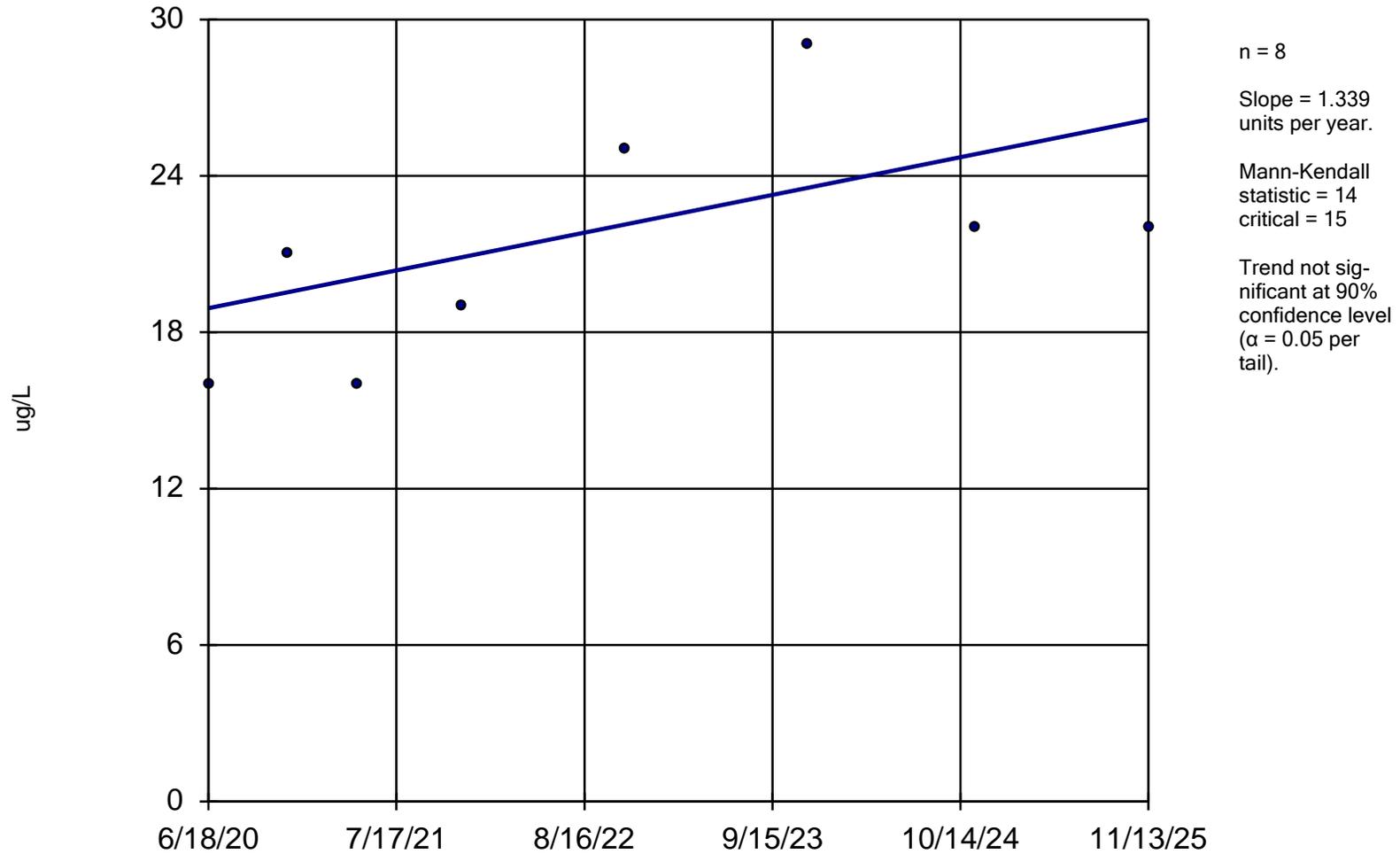
n = 8
Slope = 0.2525
units per year.
Mann-Kendall
statistic = 20
critical = 15
Increasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-27-085

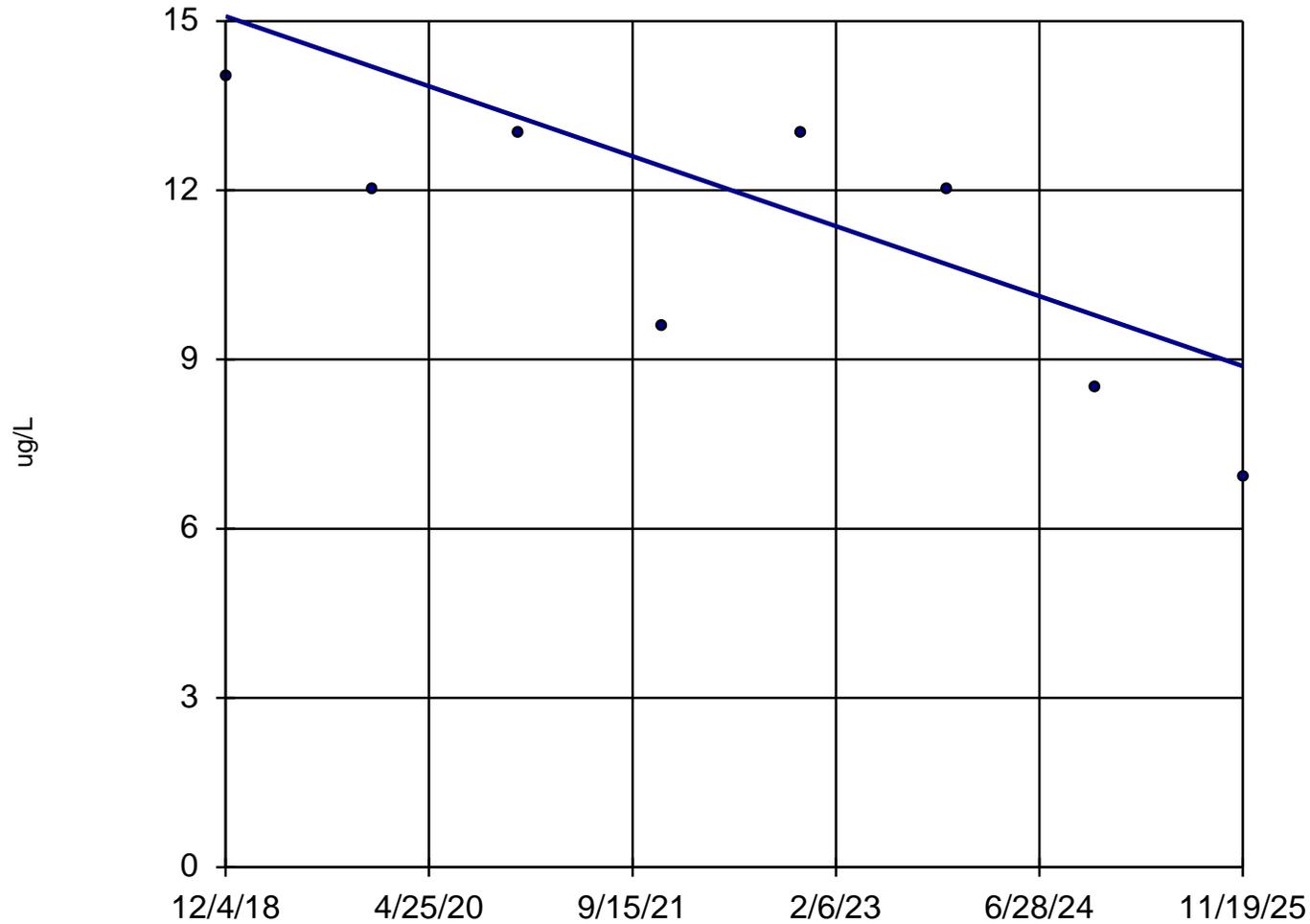


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-32-035



n = 8

Slope = -0.8907
units per year.

Mann-Kendall
statistic = -18
critical = -15

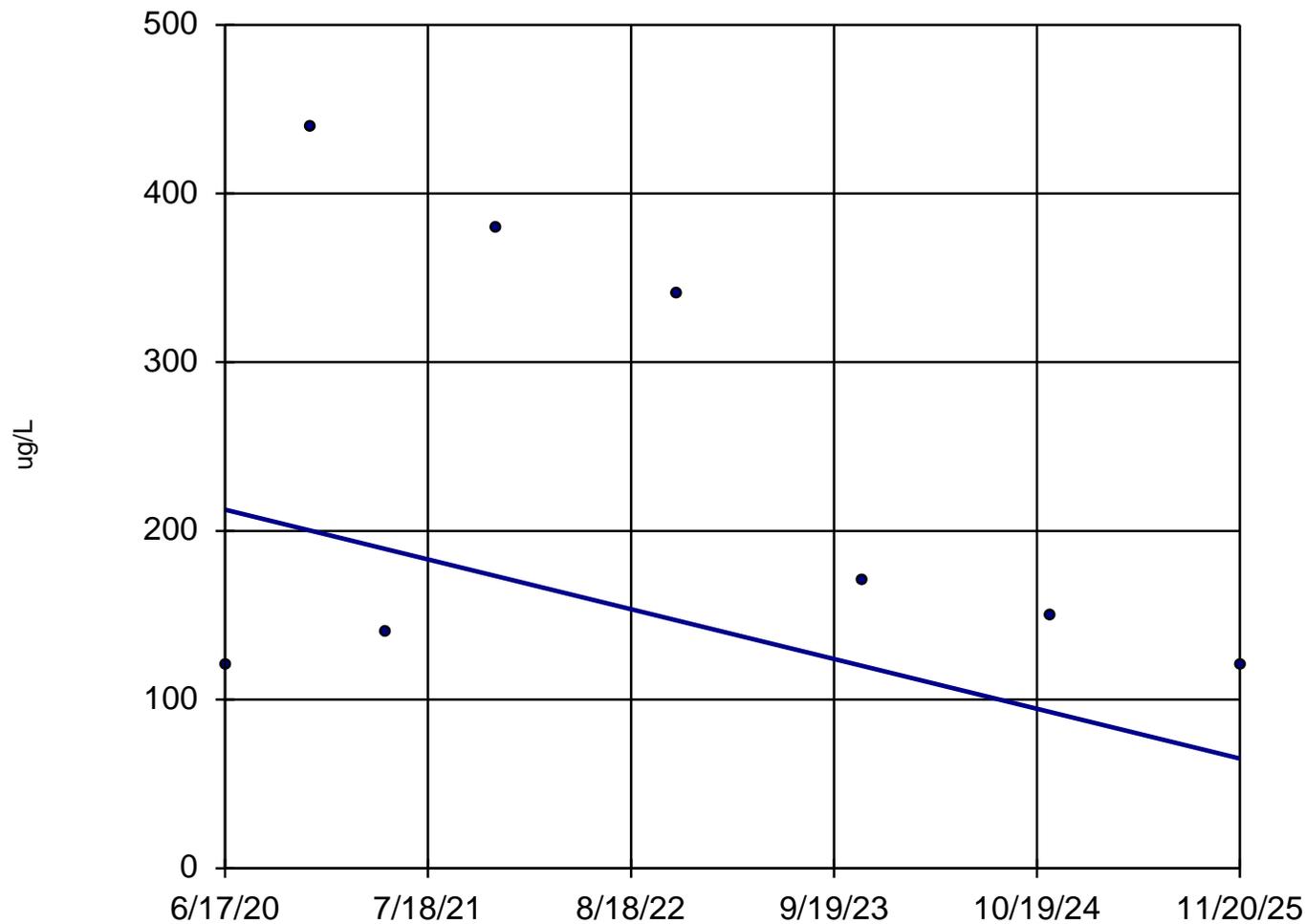
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-040



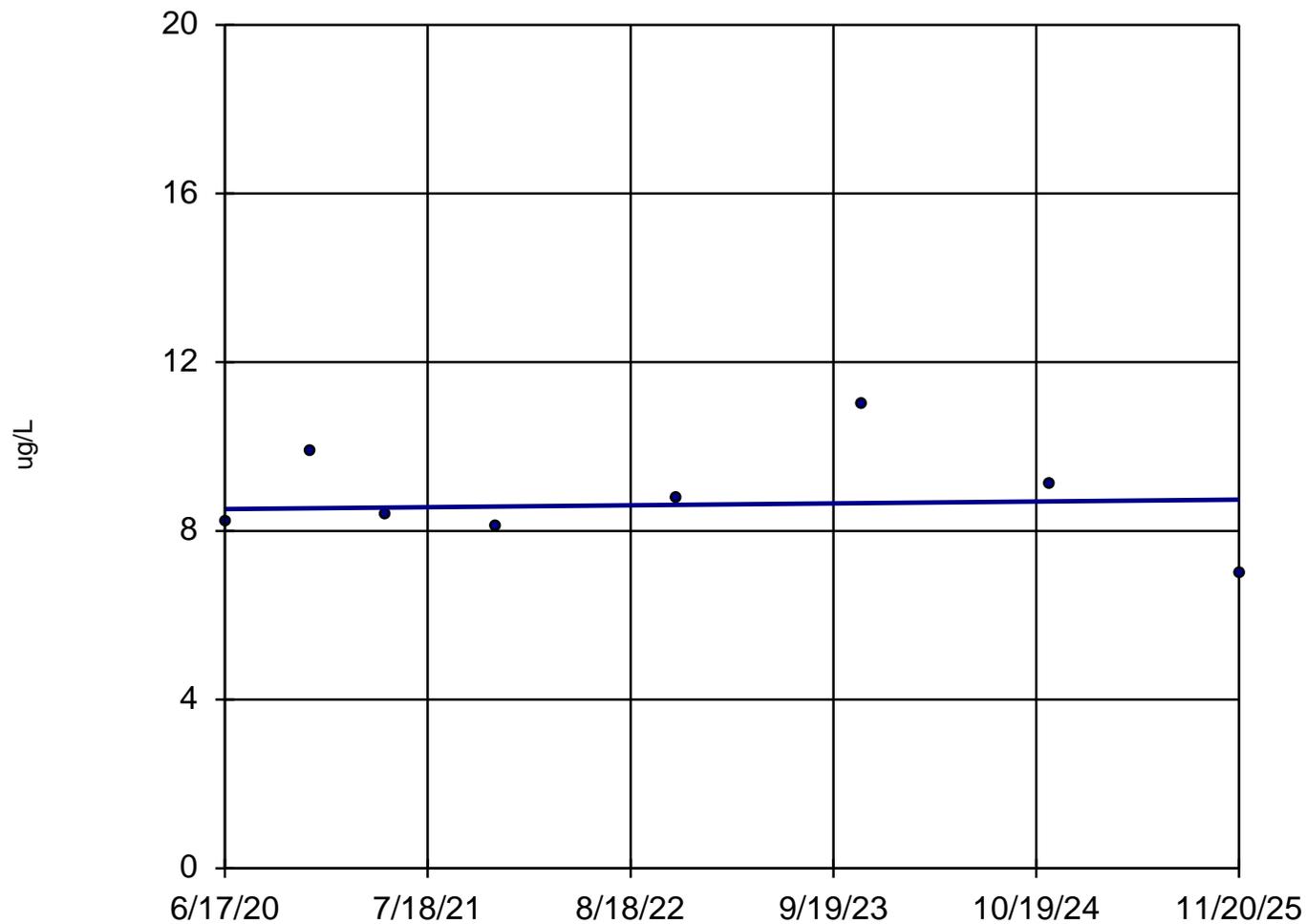
n = 8
Slope = -27.16 units per year.
Mann-Kendall statistic = -7
critical = -15
Trend not significant at 90% confidence level ($\alpha = 0.05$ per tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-090



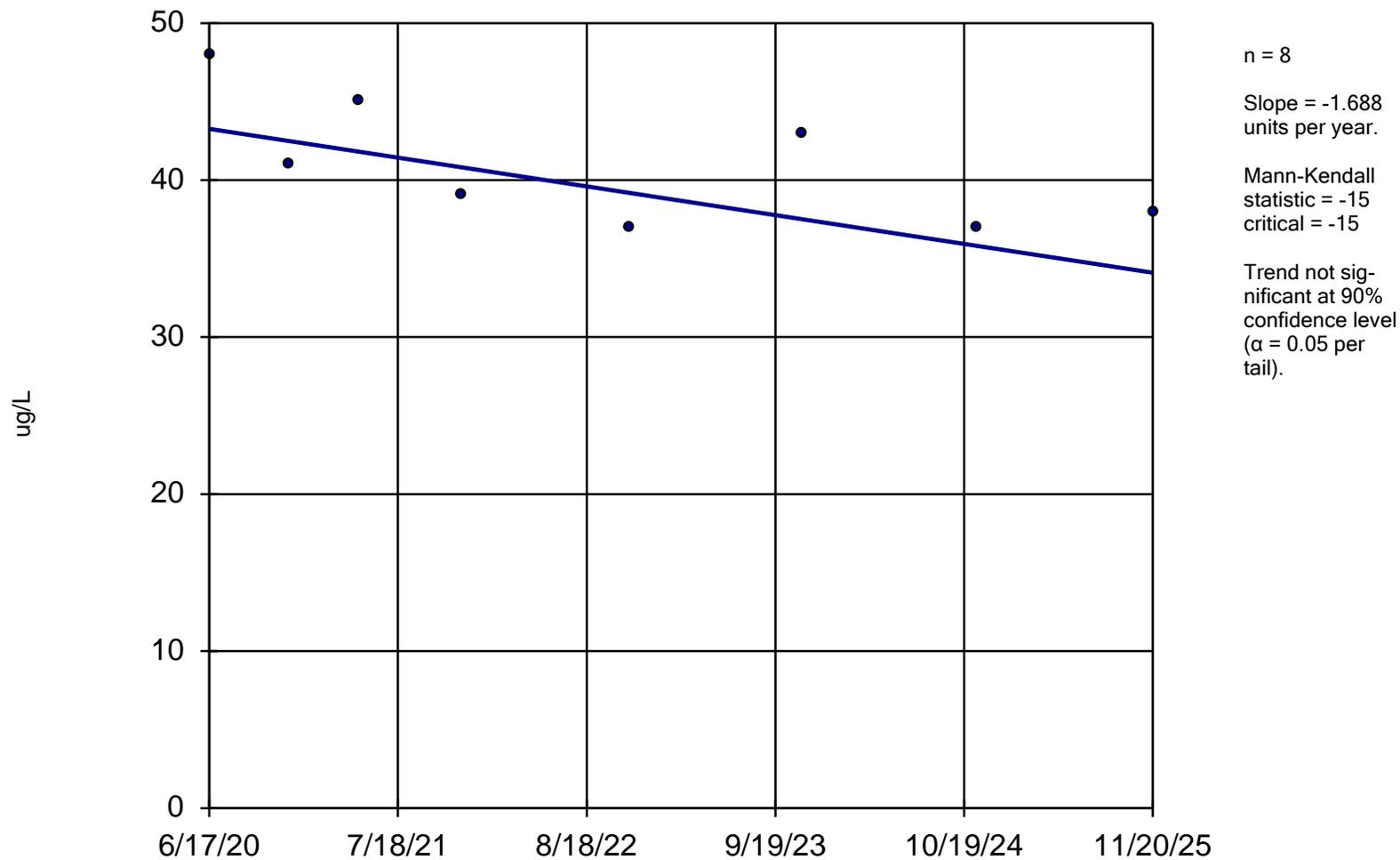
n = 8
Slope = 0.04084
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-150

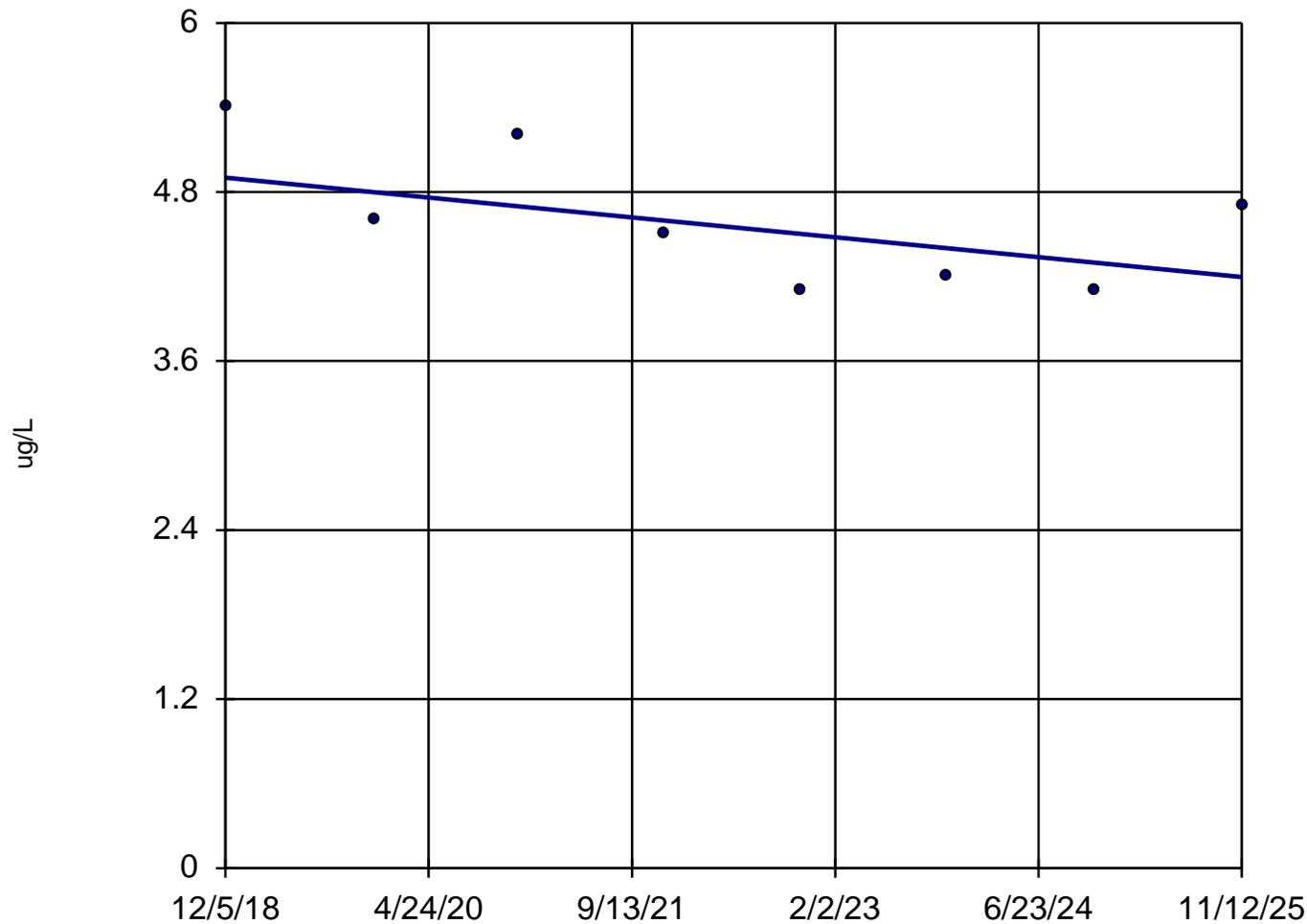


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-34-055



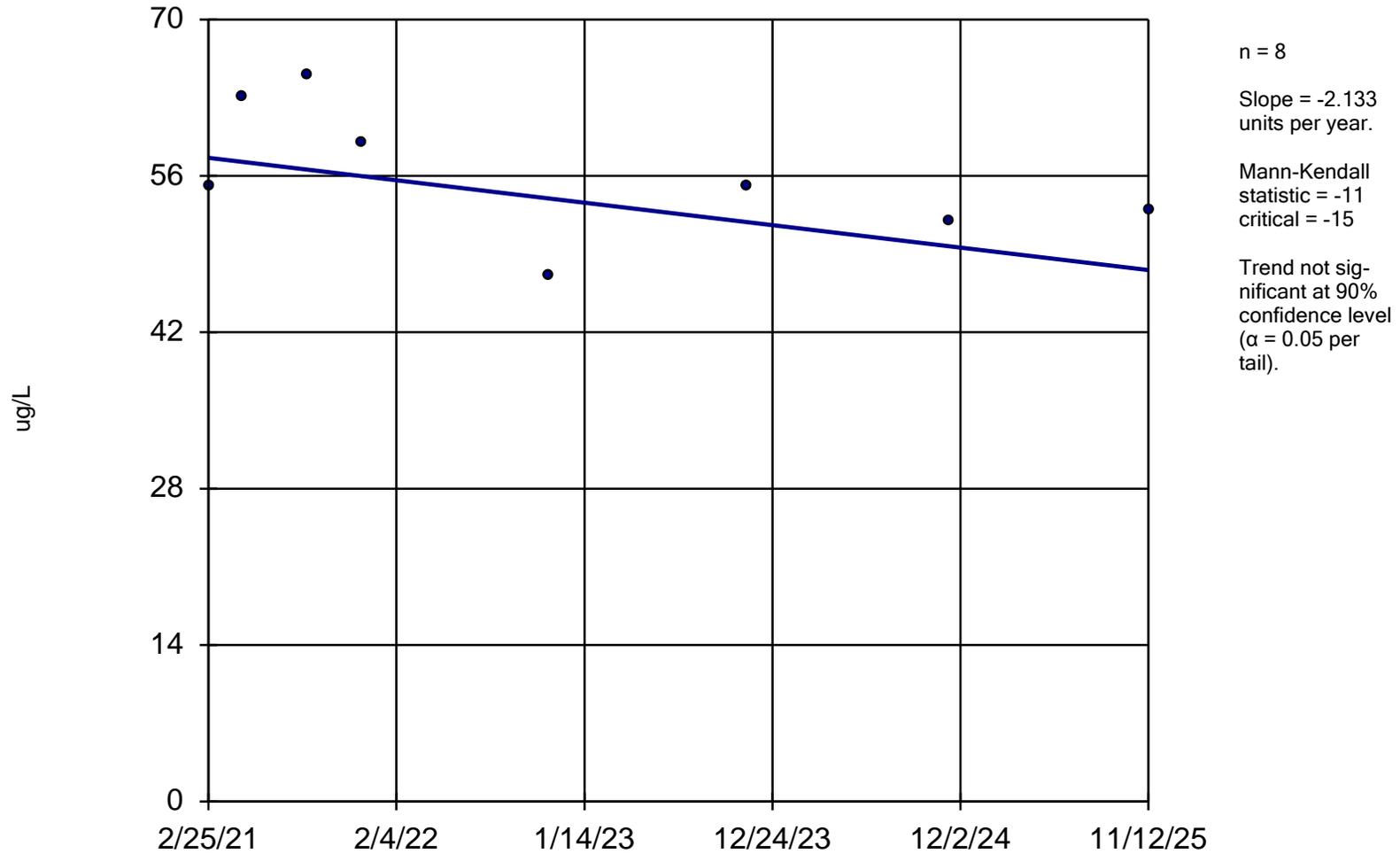
n = 8
Slope = -0.1018 units per year.
Mann-Kendall statistic = -13
critical = -15
Trend not significant at 90% confidence level ($\alpha = 0.05$ per tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-34-100

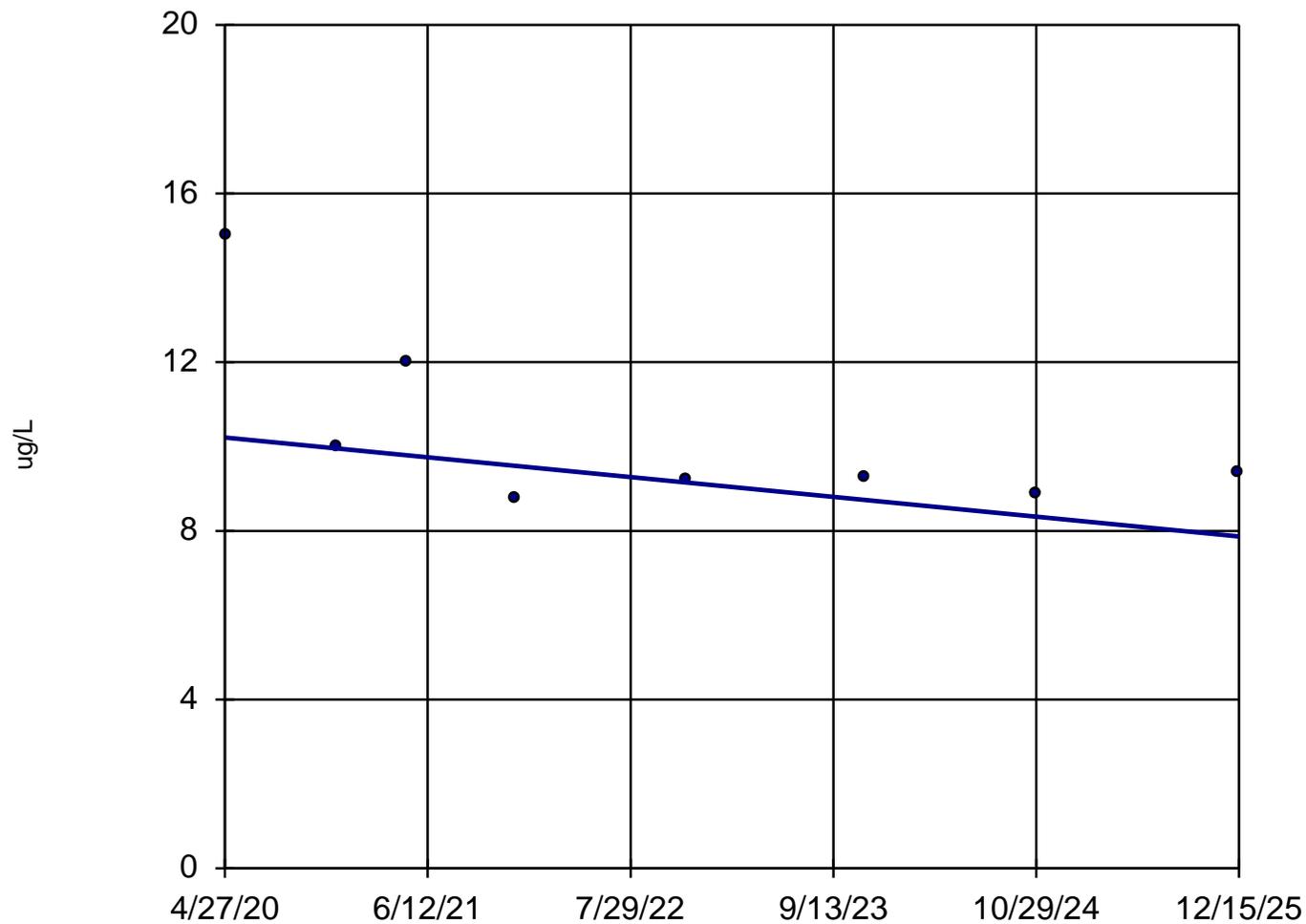


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-060



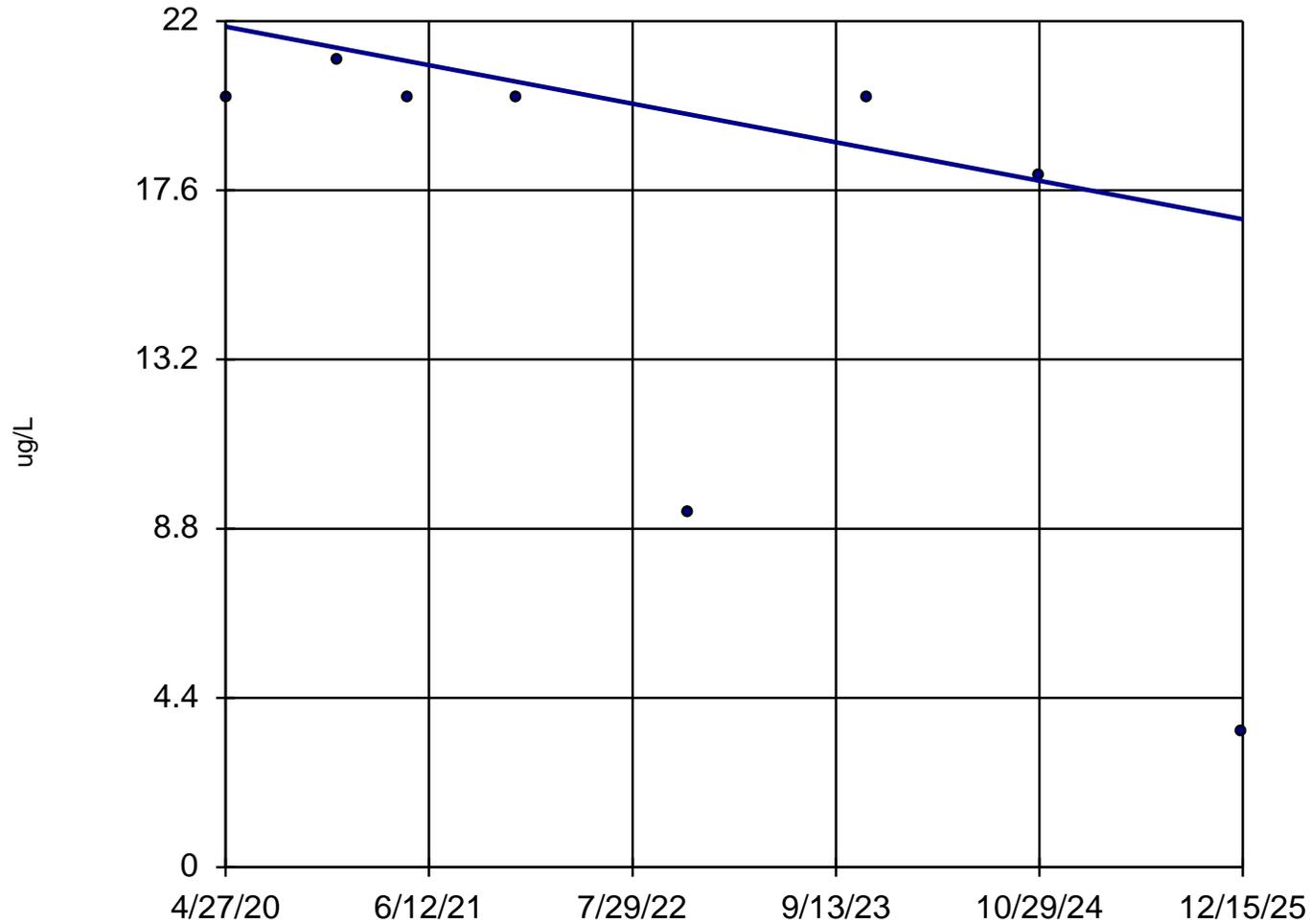
n = 8
Slope = -0.4163
units per year.
Mann-Kendall
statistic = -10
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-135



n = 8

Slope = -0.8883
units per year.

Mann-Kendall
statistic = -16
critical = -15

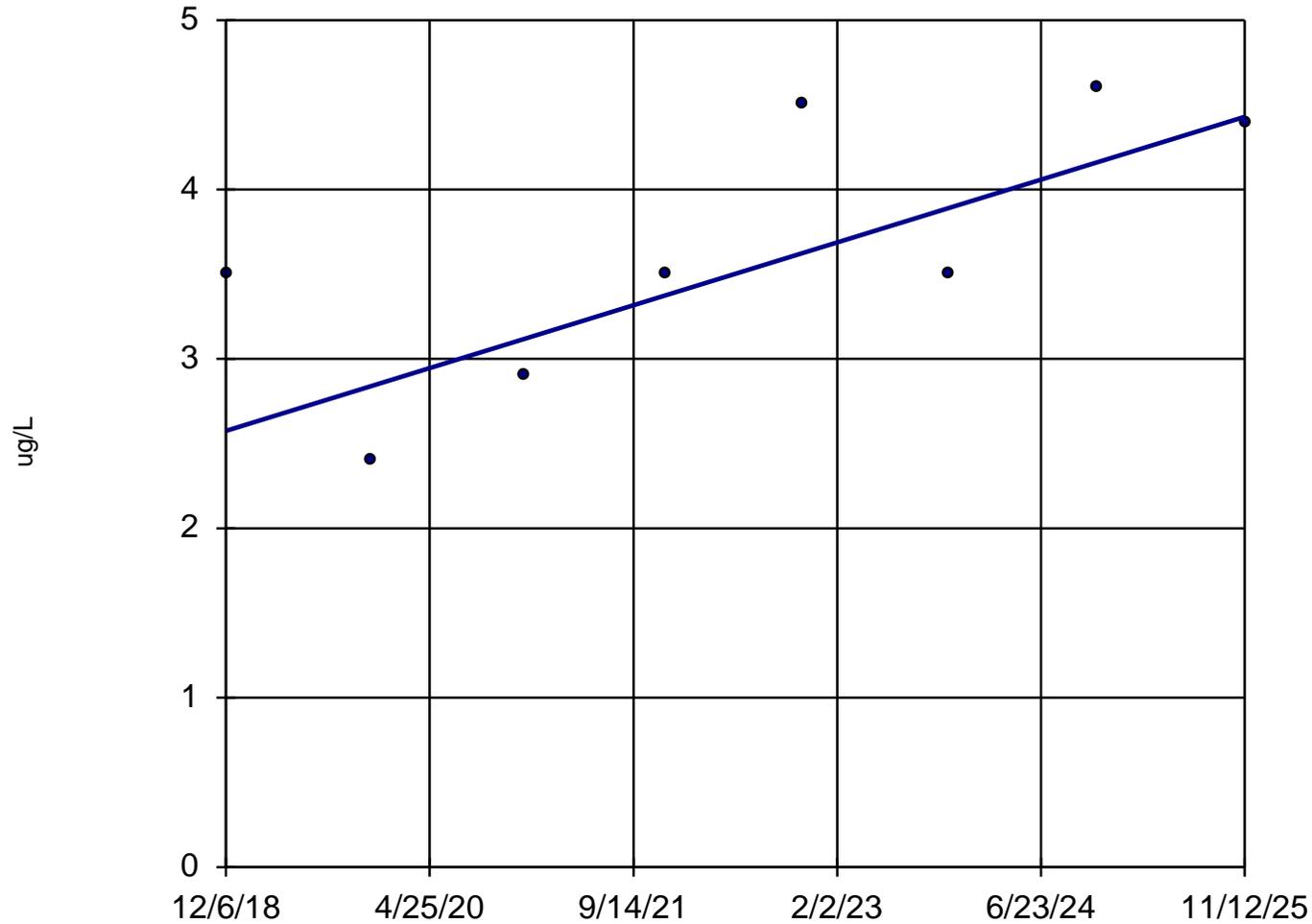
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-36-040



n = 8

Slope = 0.2671
units per year.

Mann-Kendall
statistic = 15
critical = 15

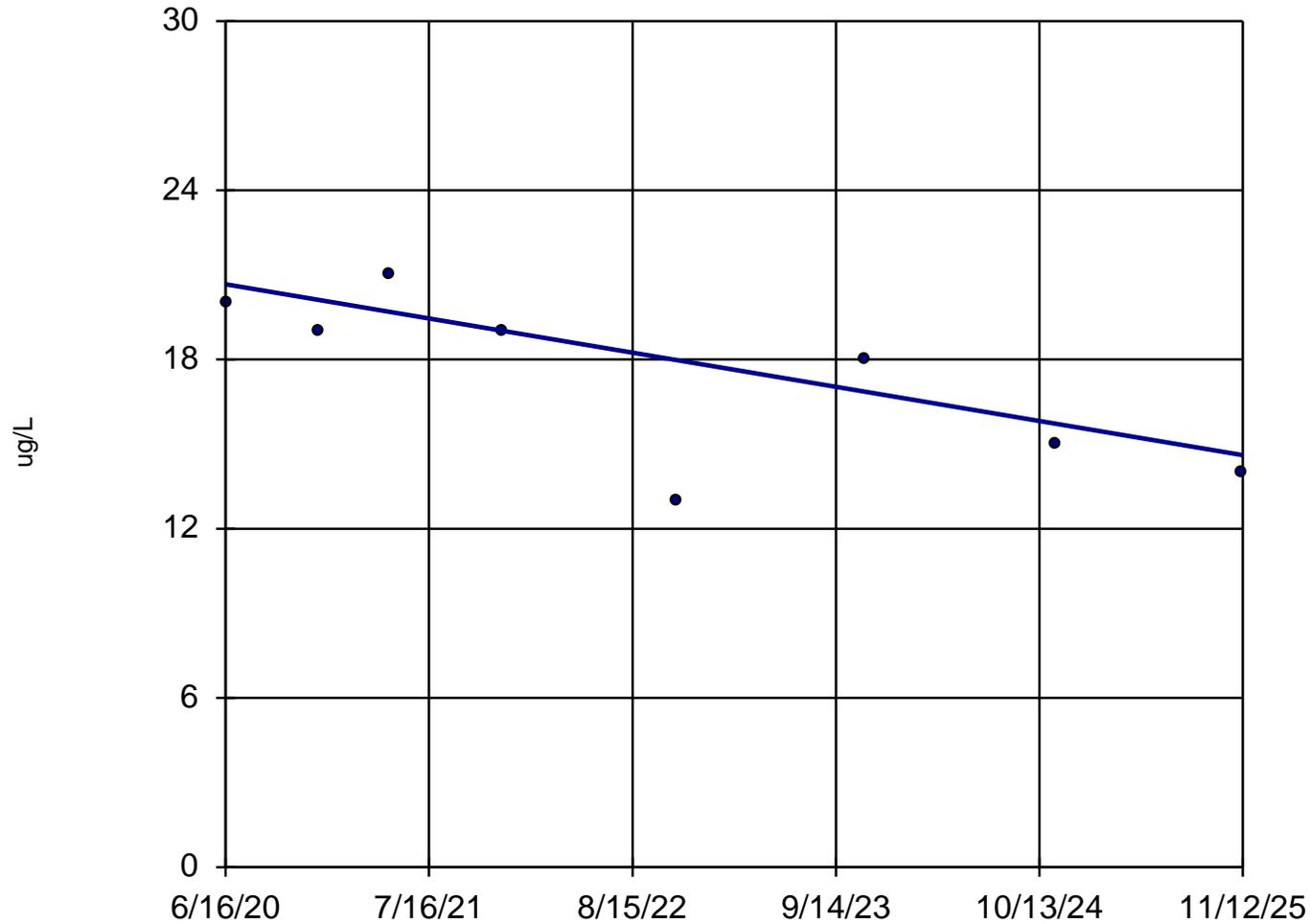
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-36-100



n = 8

Slope = -1.121
units per year.

Mann-Kendall
statistic = -17
critical = -15

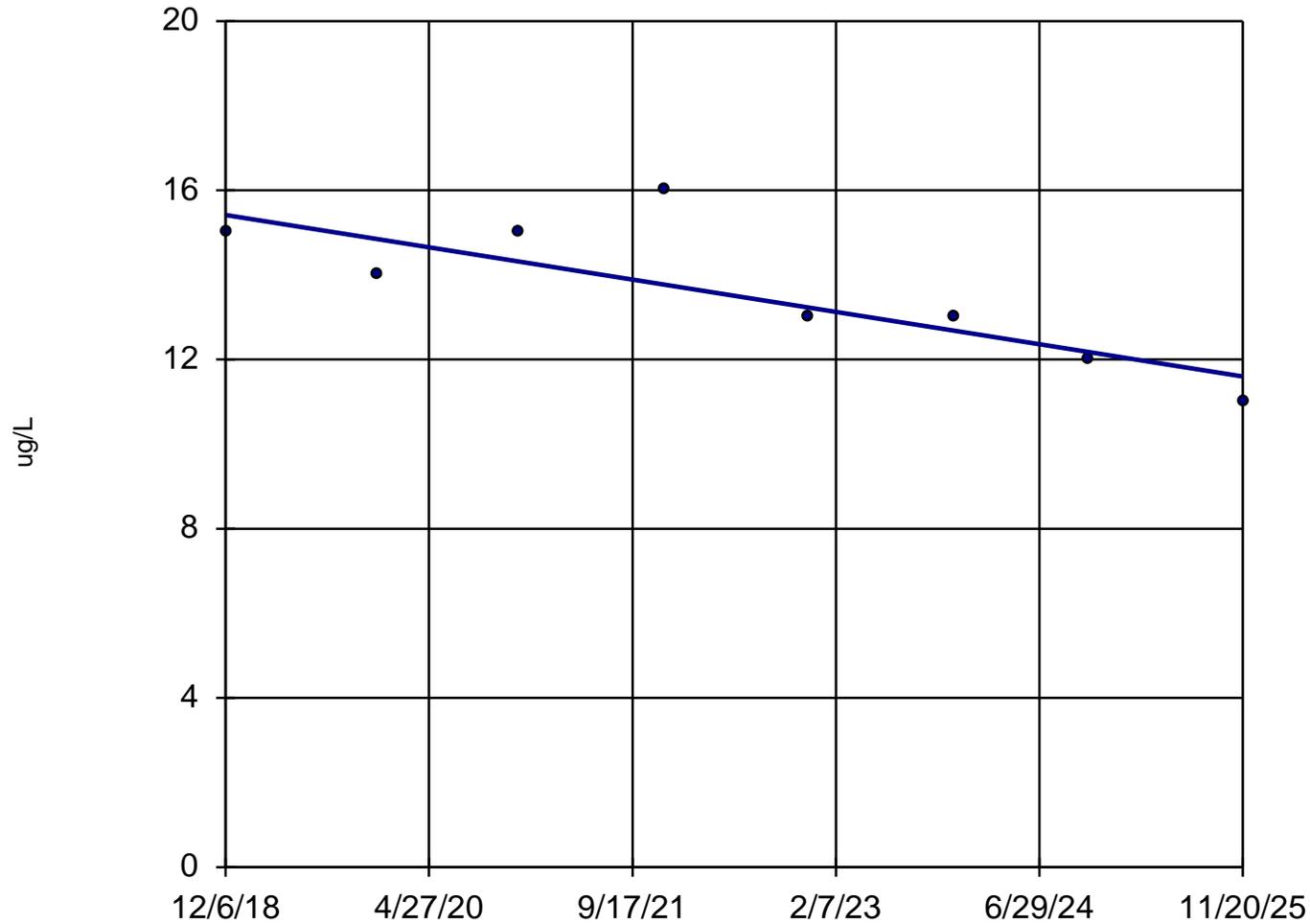
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-37S (bg)



n = 8

Slope = -0.5487
units per year.

Mann-Kendall
statistic = -18
critical = -15

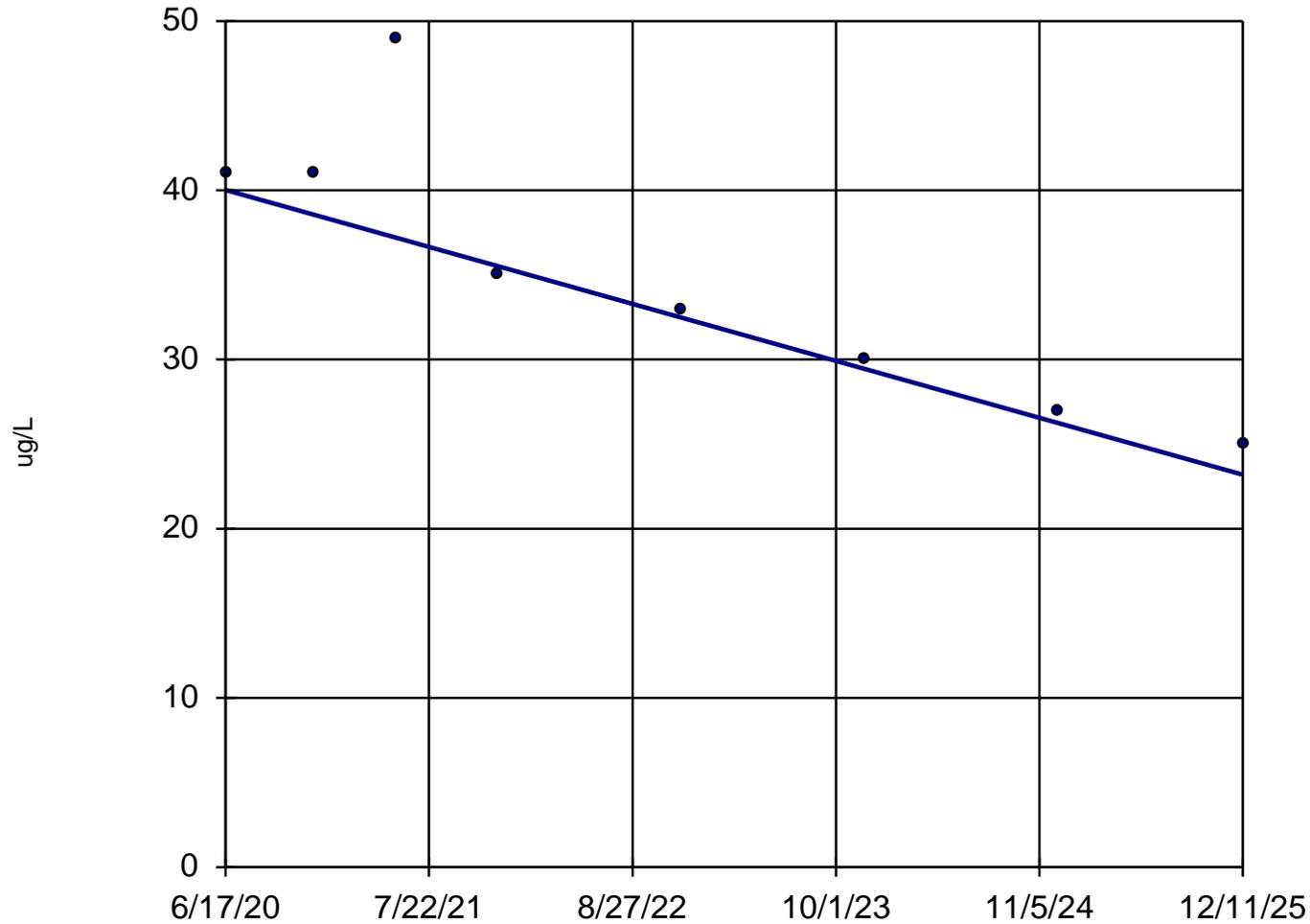
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40D (bg)



n = 8

Slope = -3.067
units per year.

Mann-Kendall
statistic = -23
critical = -15

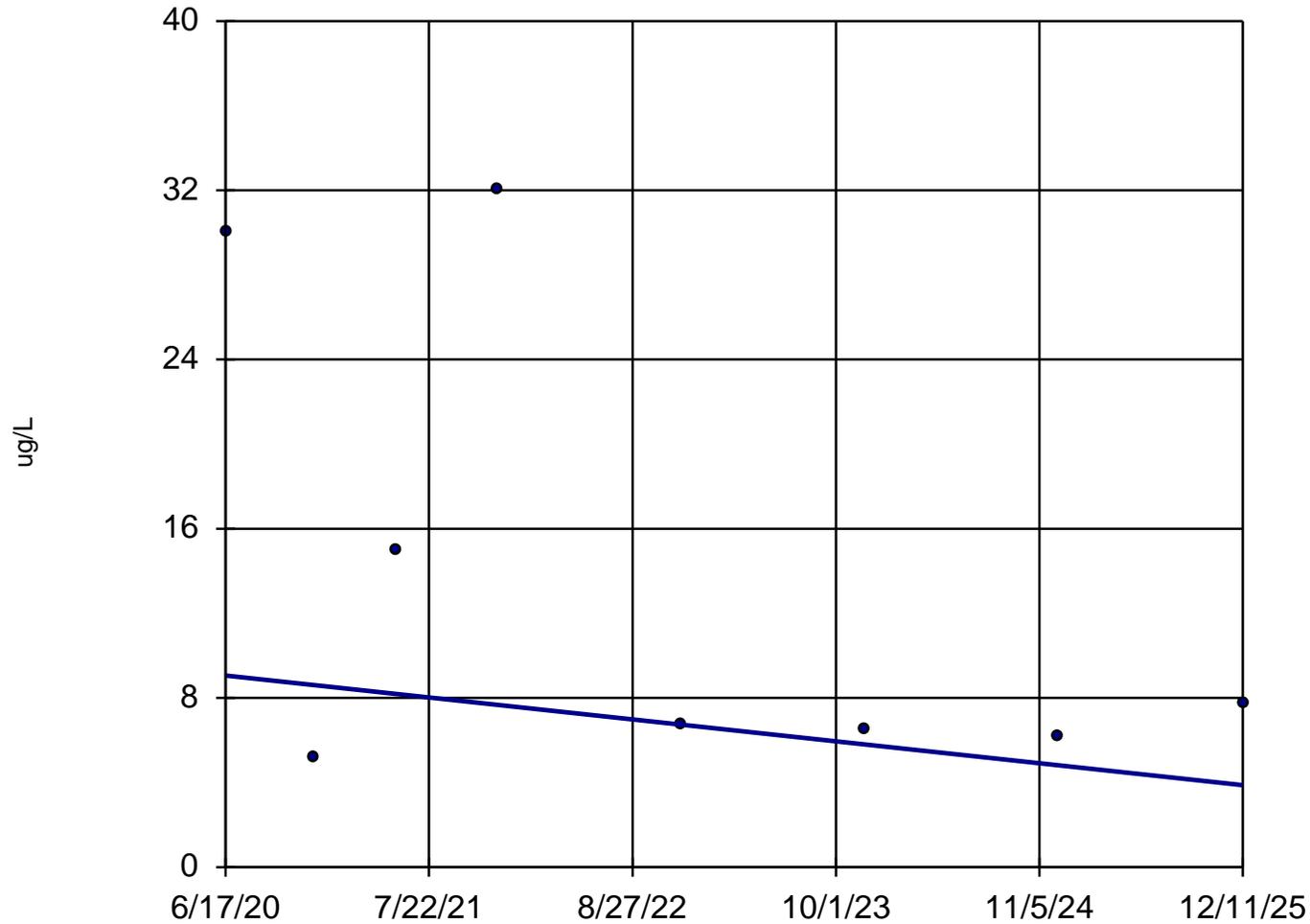
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40S (bg)



n = 8

Slope = -0.9436
units per year.

Mann-Kendall
statistic = -6
critical = -15

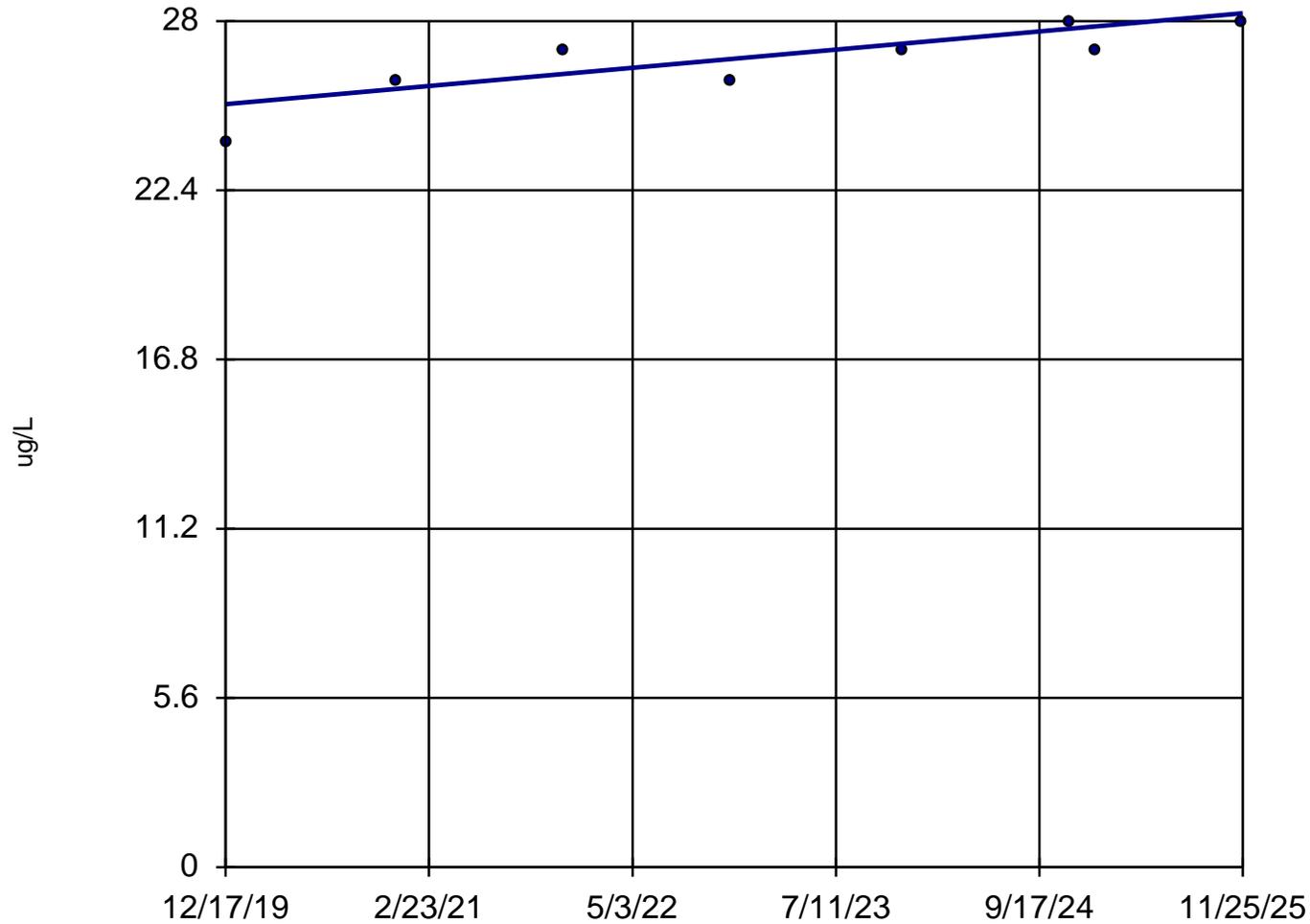
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41M (bg)



n = 8

Slope = 0.5059
units per year.

Mann-Kendall
statistic = 19
critical = 15

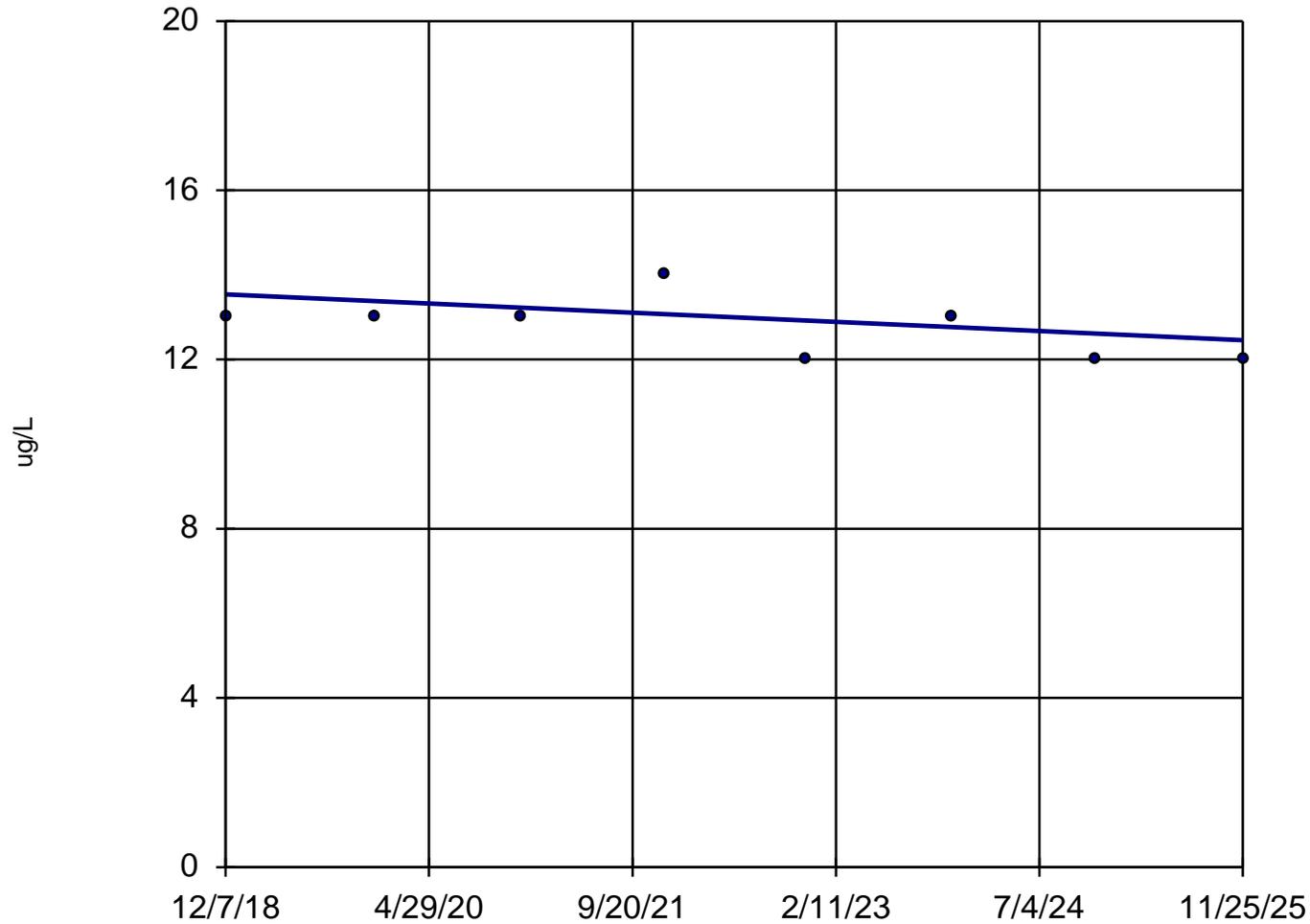
Increasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41S (bg)



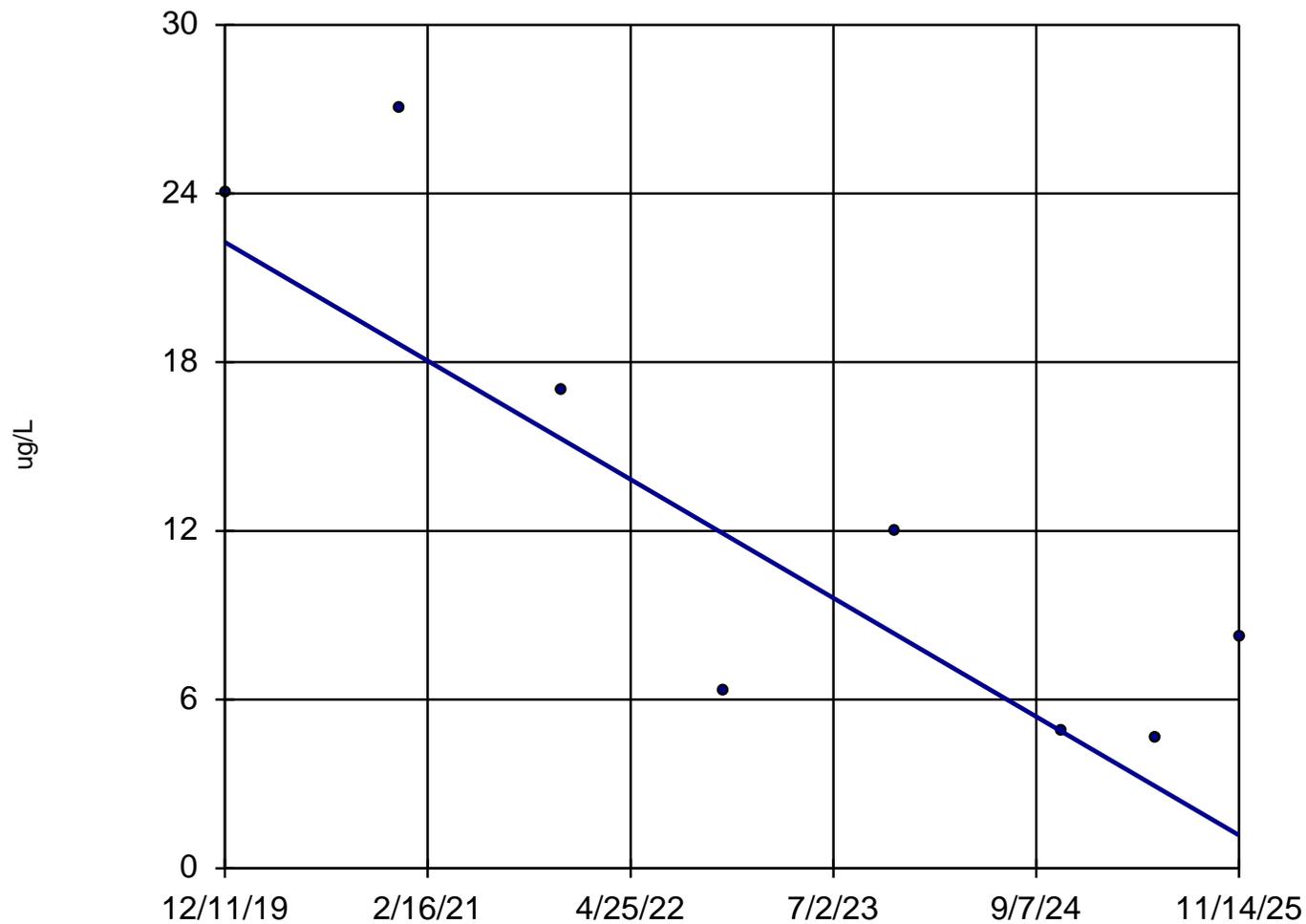
n = 8
Slope = -0.1555 units per year.
Mann-Kendall statistic = -11
critical = -15
Trend not significant at 90% confidence level ($\alpha = 0.05$ per tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-42-030



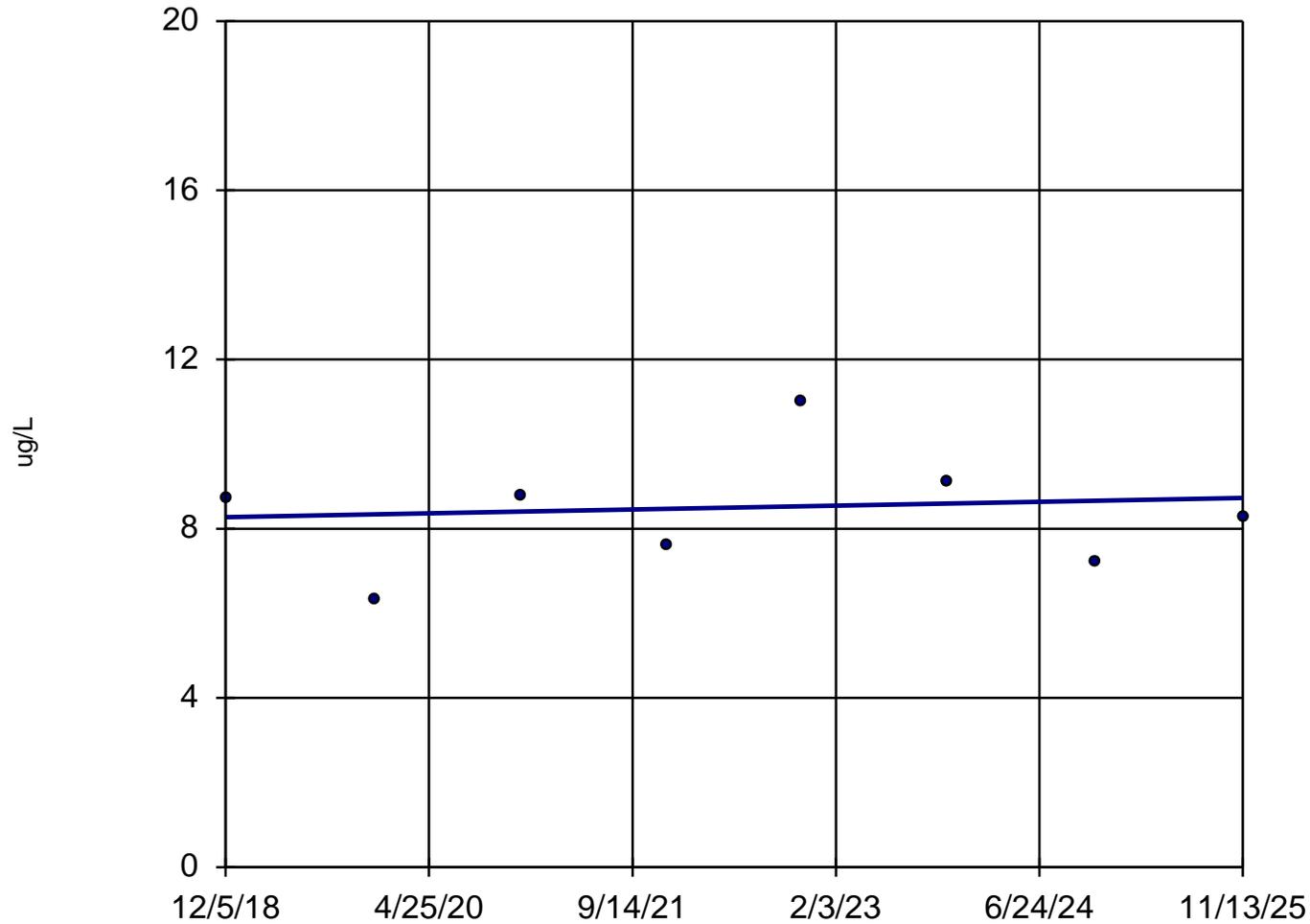
n = 8
Slope = -3.555 units per year.
Mann-Kendall statistic = -18
critical = -15
Decreasing trend significant at 90% confidence level ($\alpha = 0.05$ per tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-44-070



n = 8

Slope = 0.06534
units per year.

Mann-Kendall
statistic = 2
critical = 15

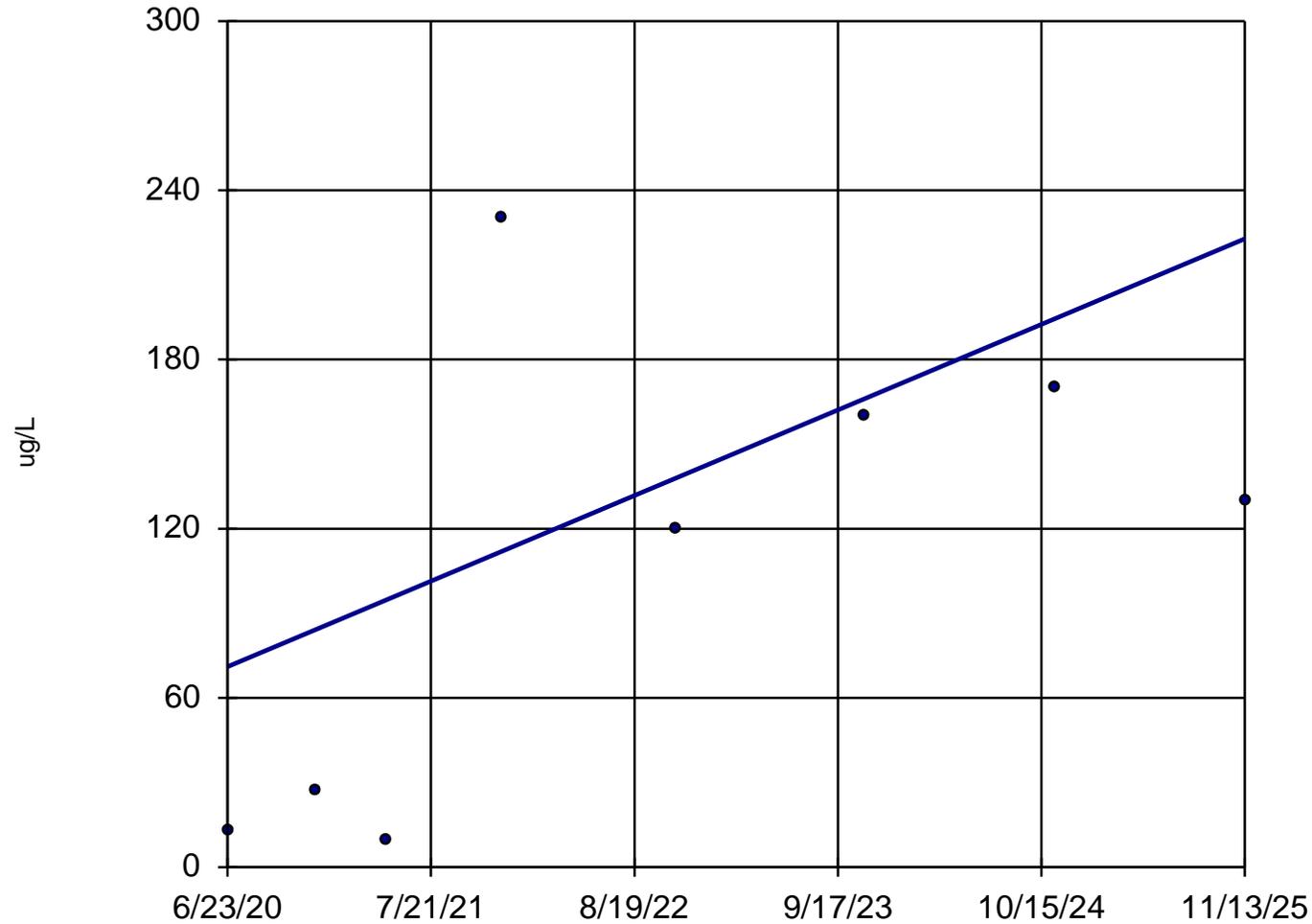
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-44-125



n = 8

Slope = 28.13
units per year.

Mann-Kendall
statistic = 12
critical = 15

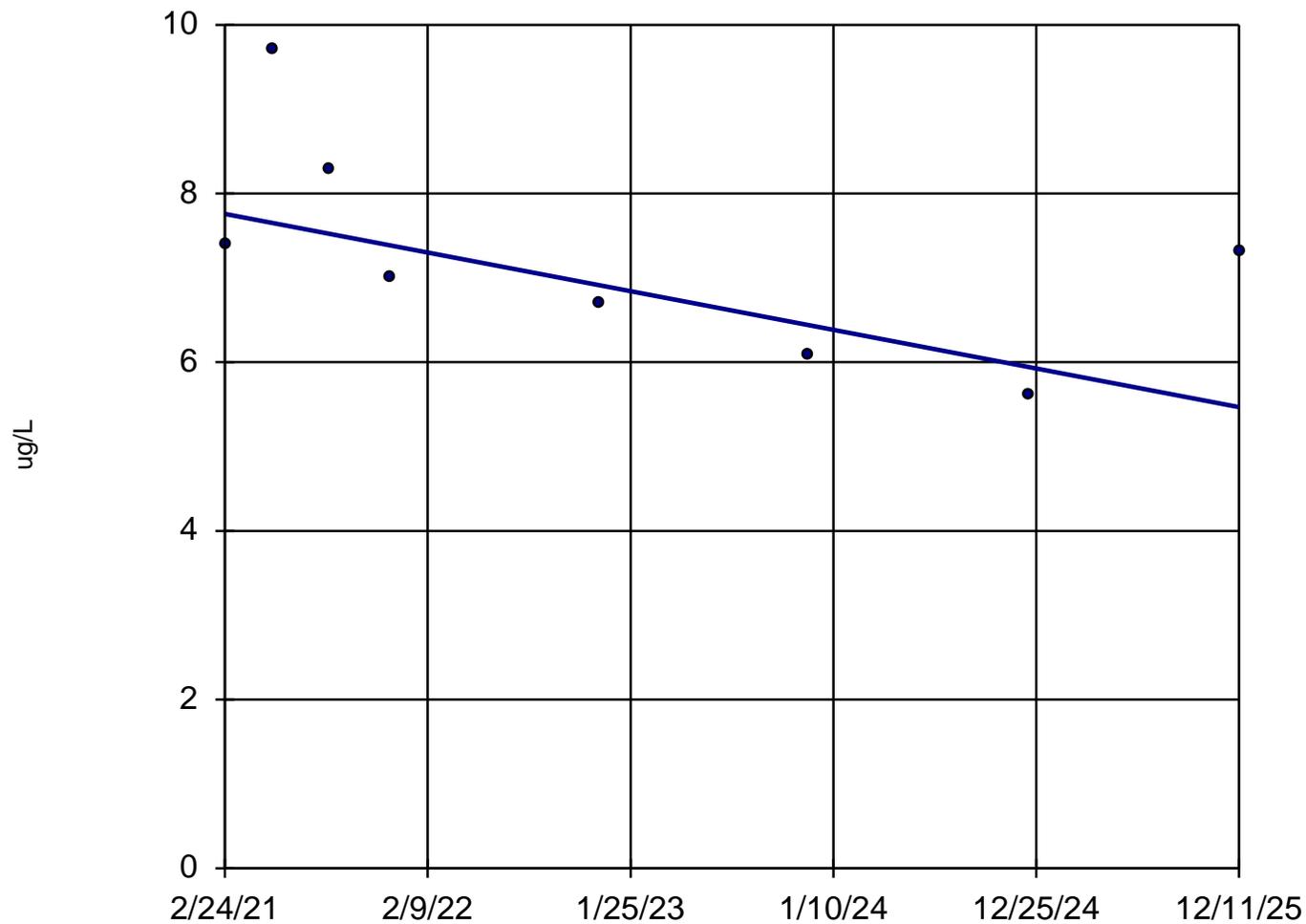
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-183 (bg)



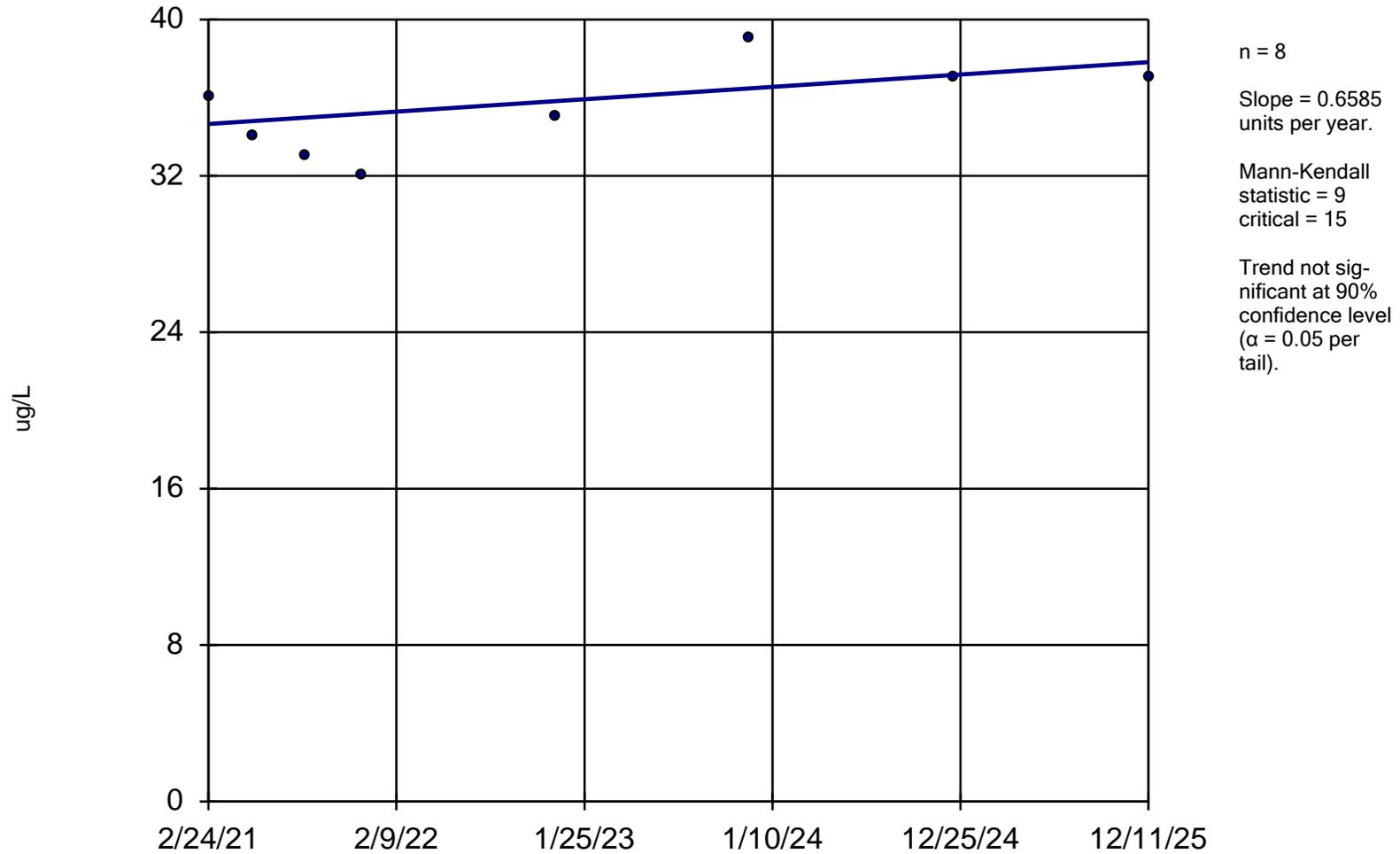
n = 8
Slope = -0.4776 units per year.
Mann-Kendall statistic = -16
critical = -15
Decreasing trend significant at 90% confidence level ($\alpha = 0.05$ per tail).

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-273 (bg)

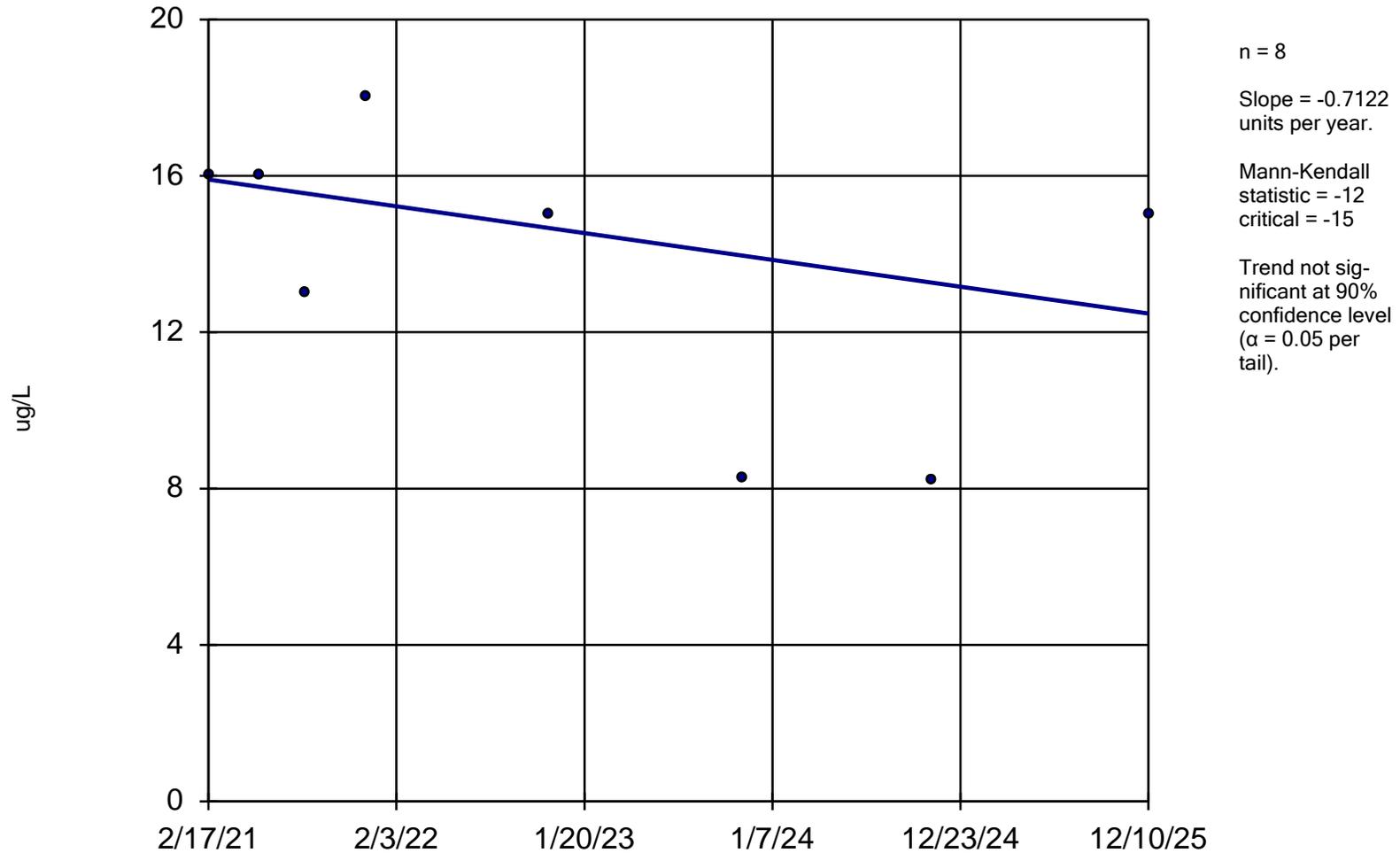


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-90-031

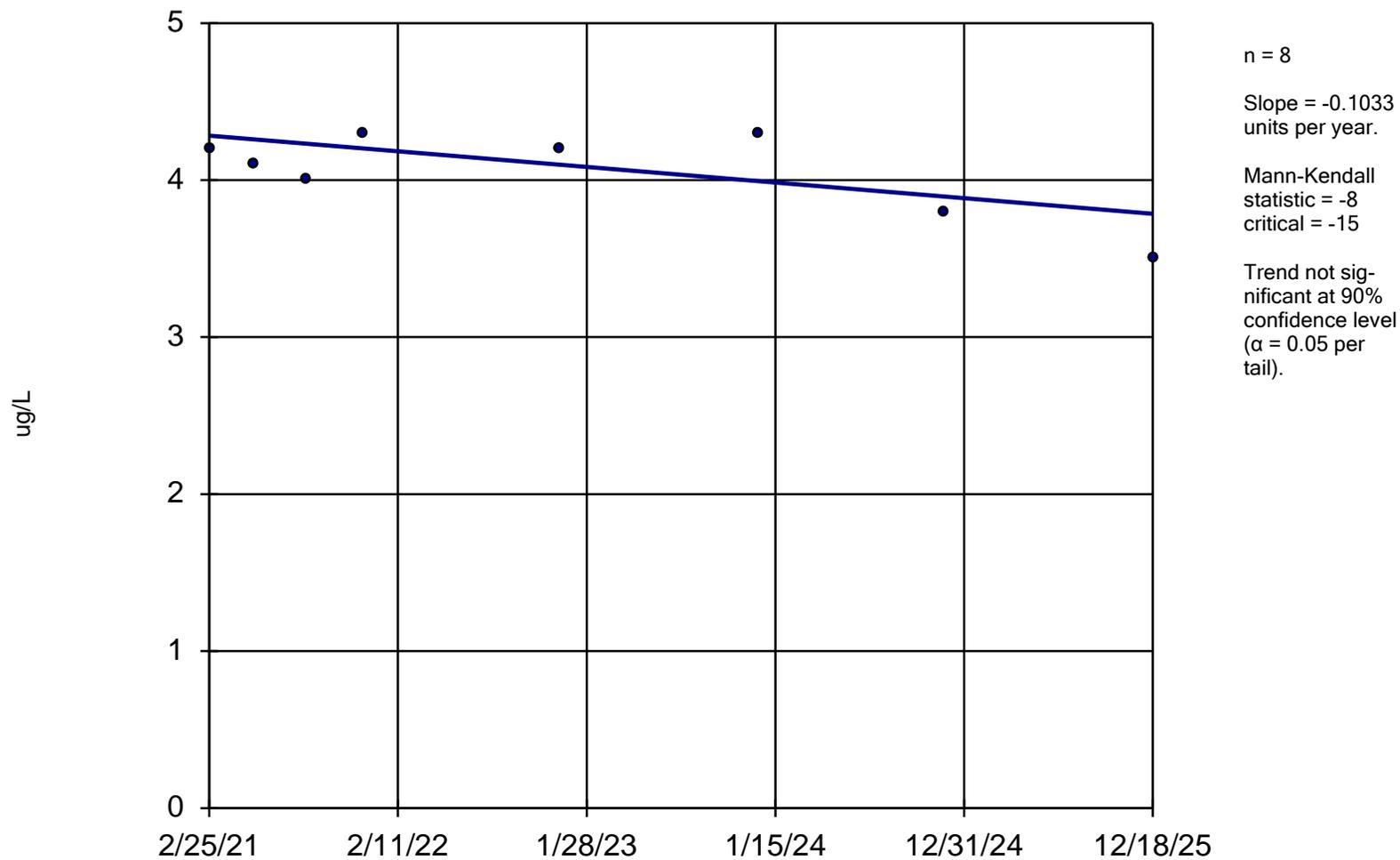


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-113 (bg)

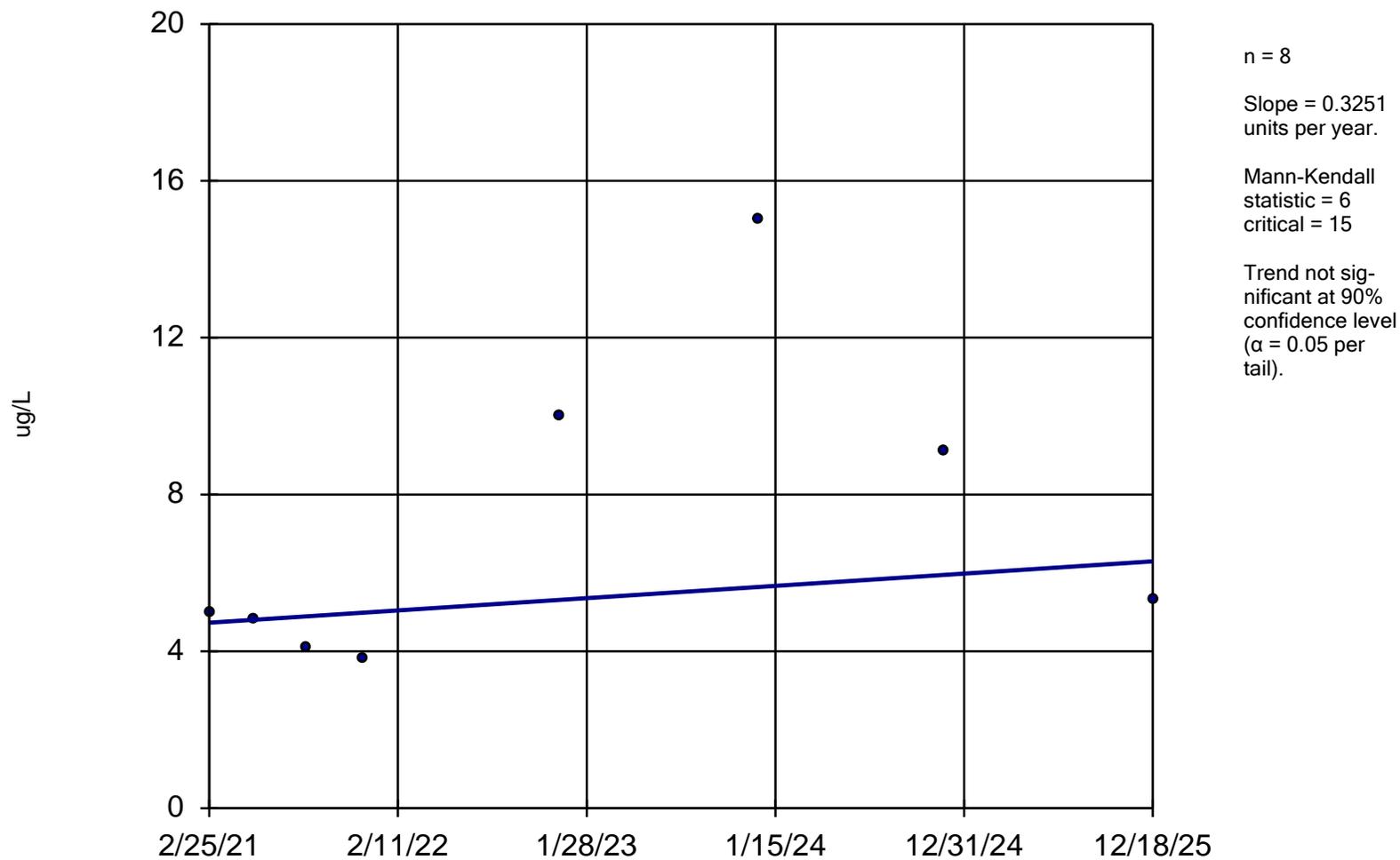


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-157 (bg)

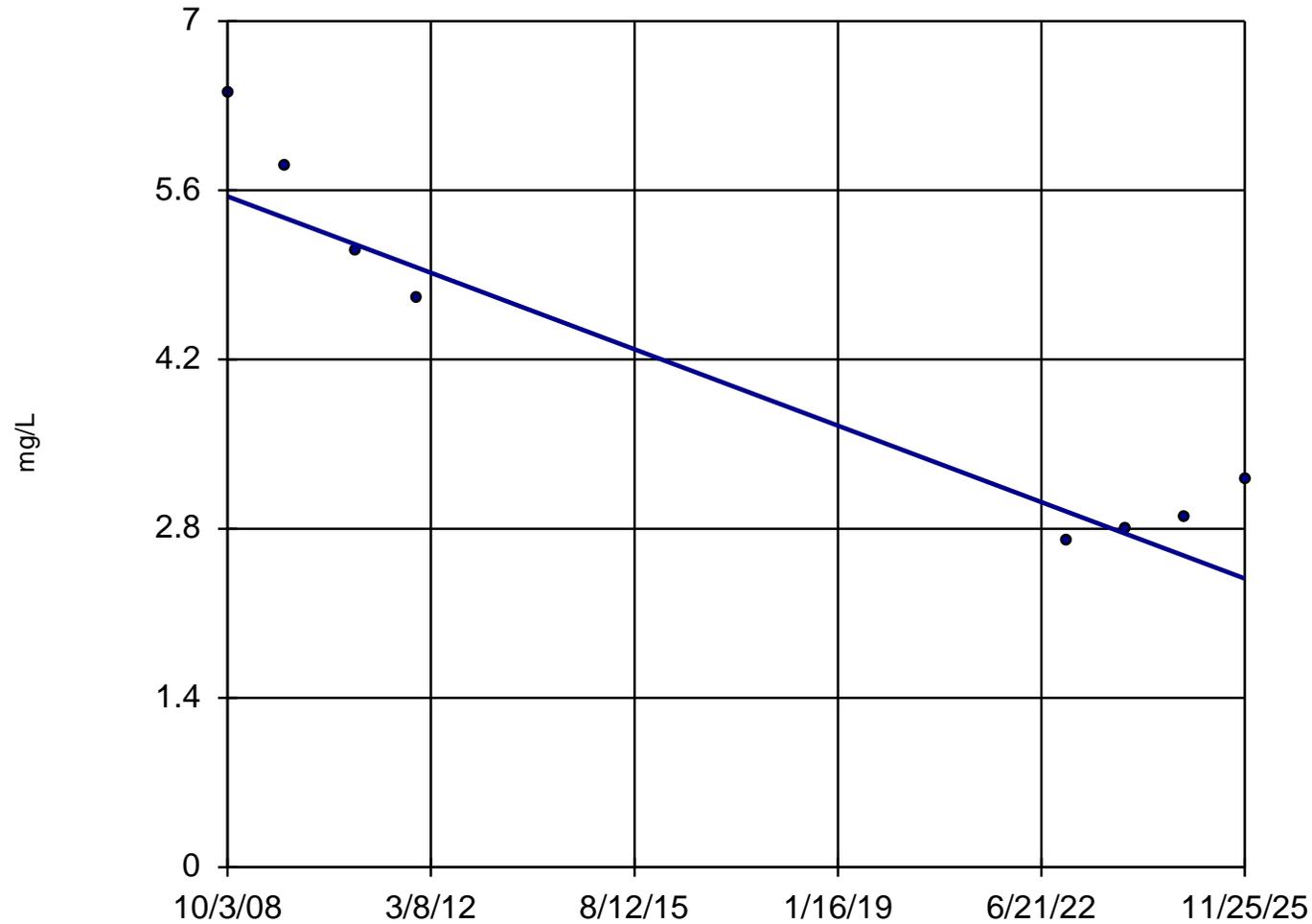


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-14 (bg)



n = 8

Slope = -0.1843
units per year.

Mann-Kendall
statistic = -16
critical = -15

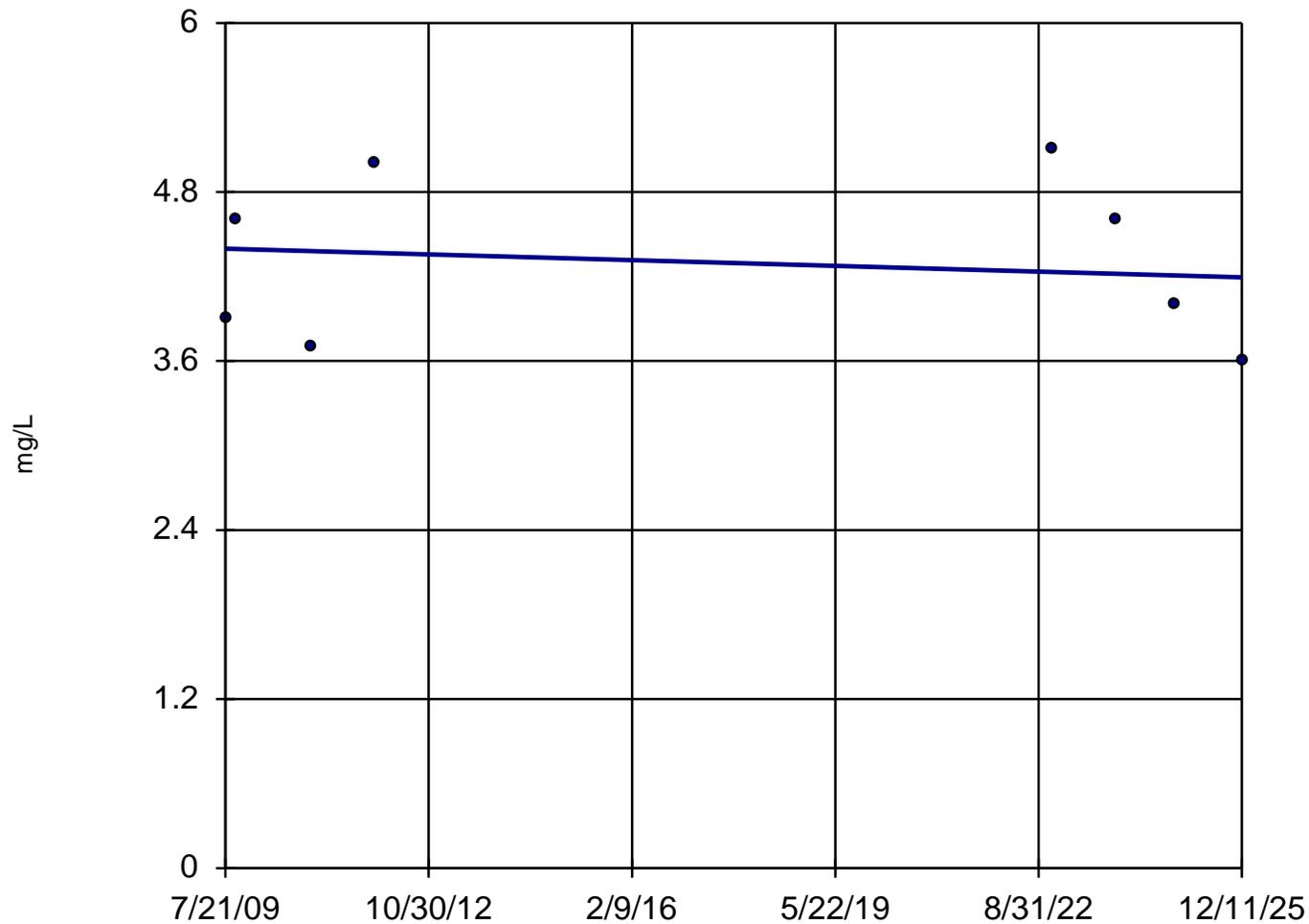
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-060



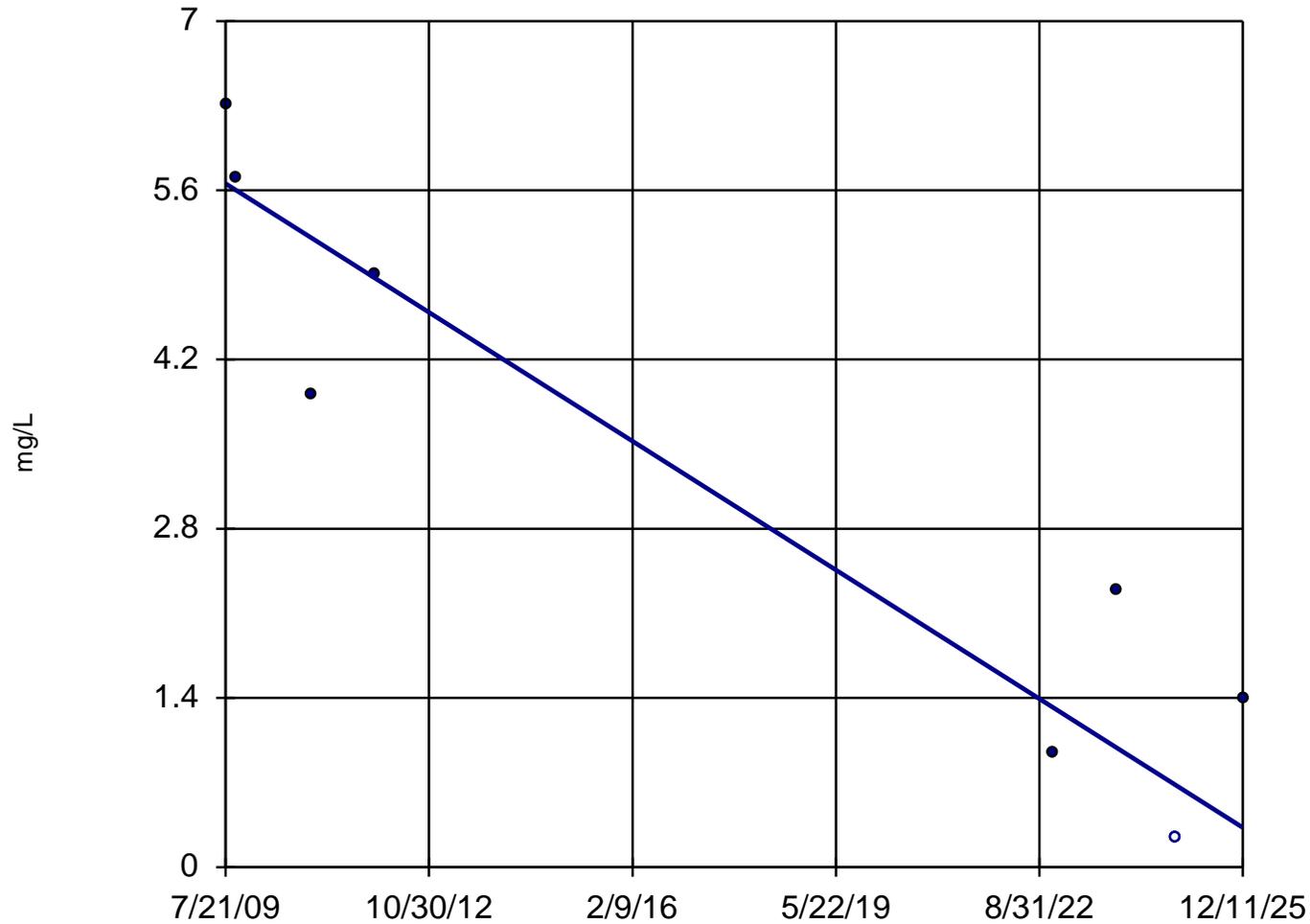
n = 8
Slope = -0.01248
units per year.
Mann-Kendall
statistic = -3
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-080



n = 8

Slope = -0.3248
units per year.

Mann-Kendall
statistic = -20
critical = -15

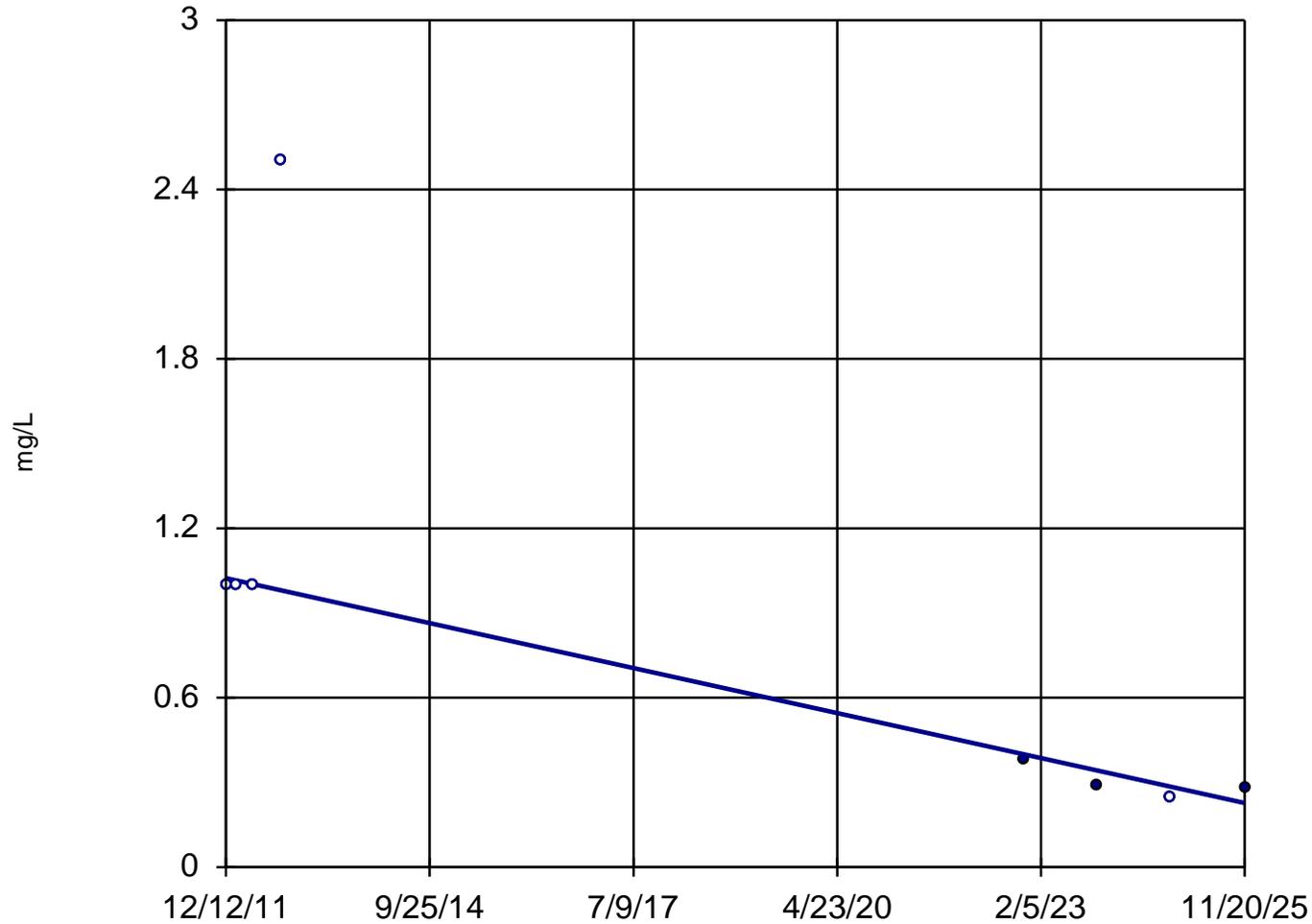
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-040



n = 8

Slope = -0.05709
units per year.

Mann-Kendall
statistic = -17
critical = -15

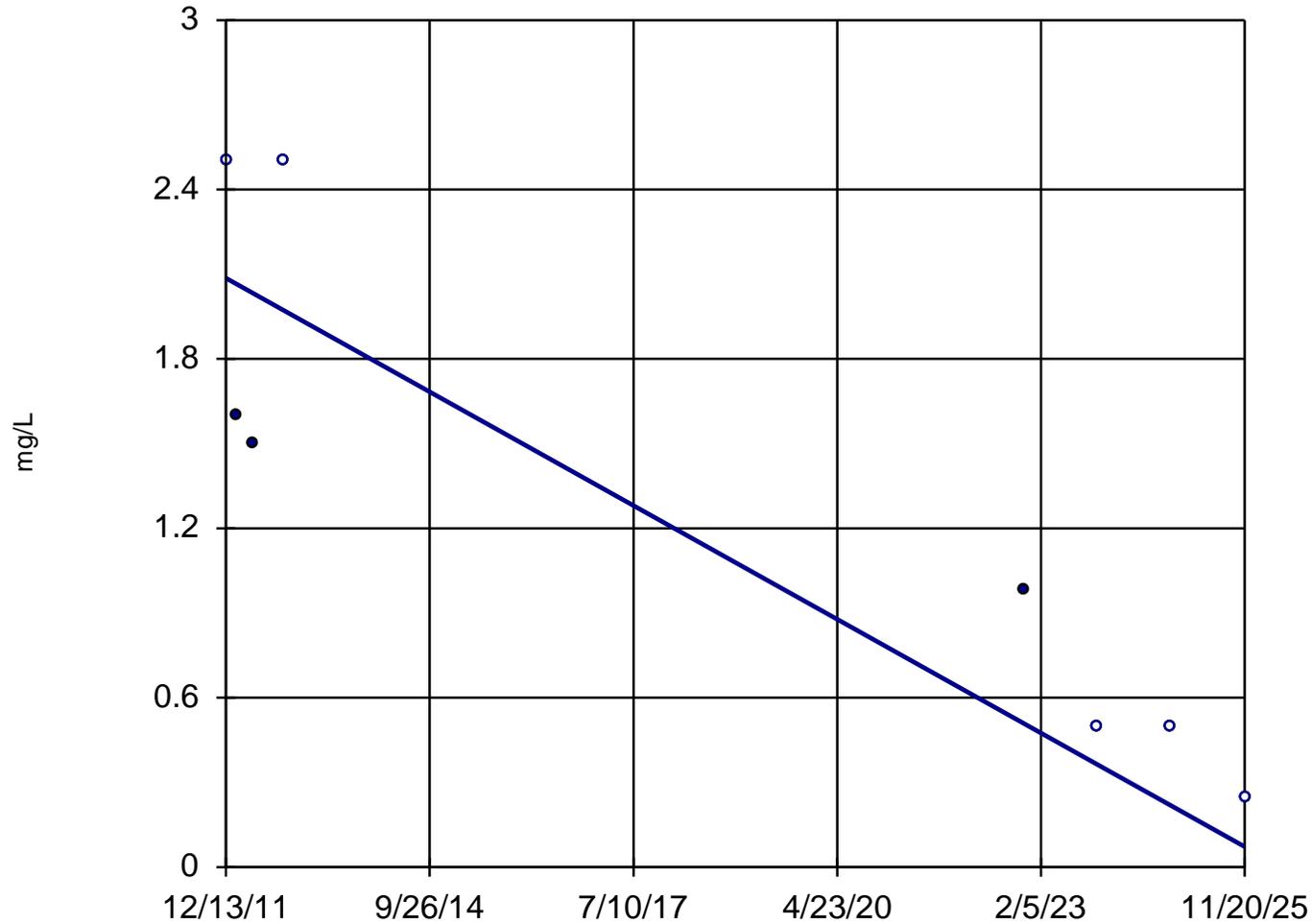
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-090



n = 8

Slope = -0.1443
units per year.

Mann-Kendall
statistic = -22
critical = -15

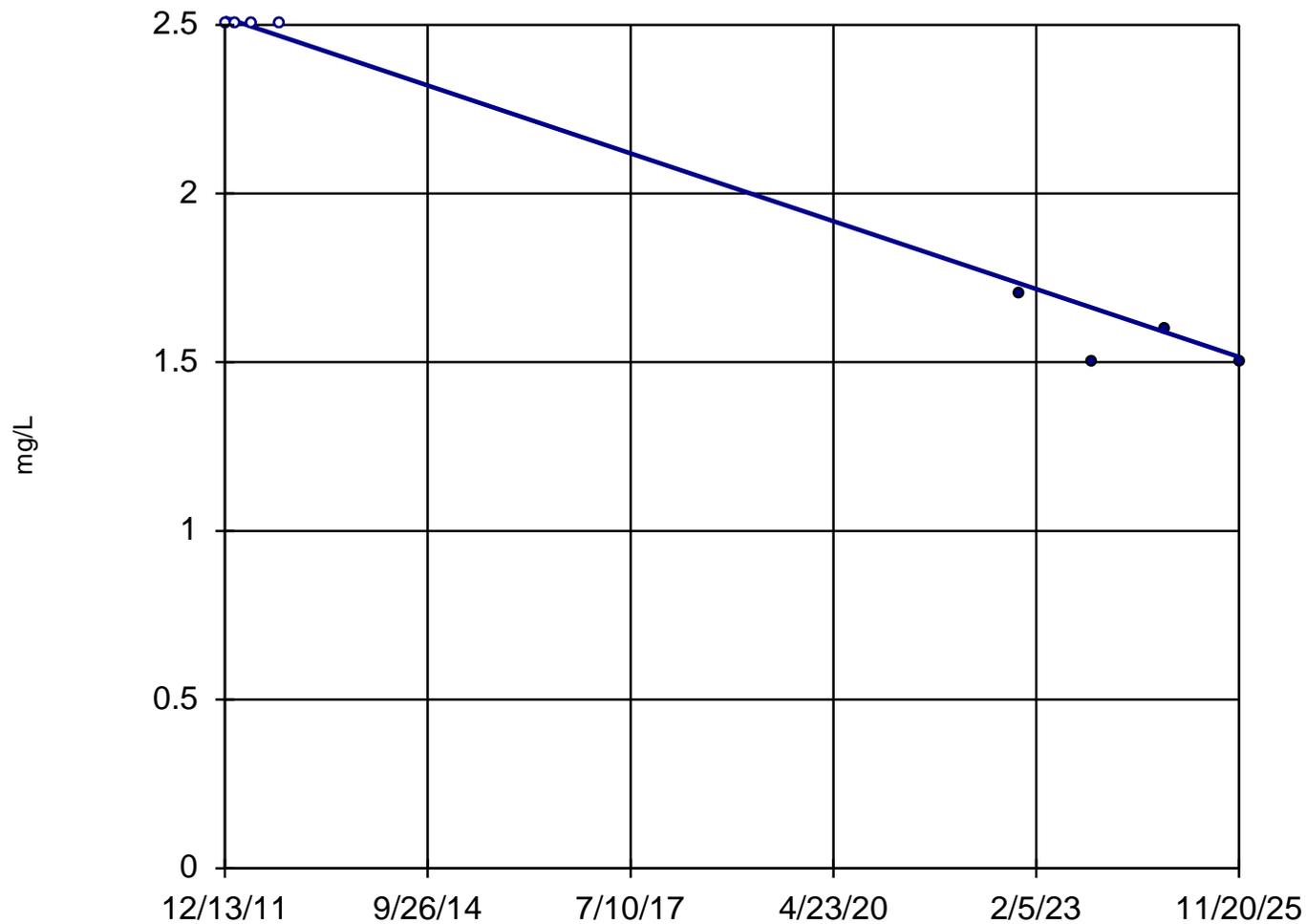
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-150



n = 8

Slope = -0.07211
units per year.

Mann-Kendall
statistic = -19
critical = -15

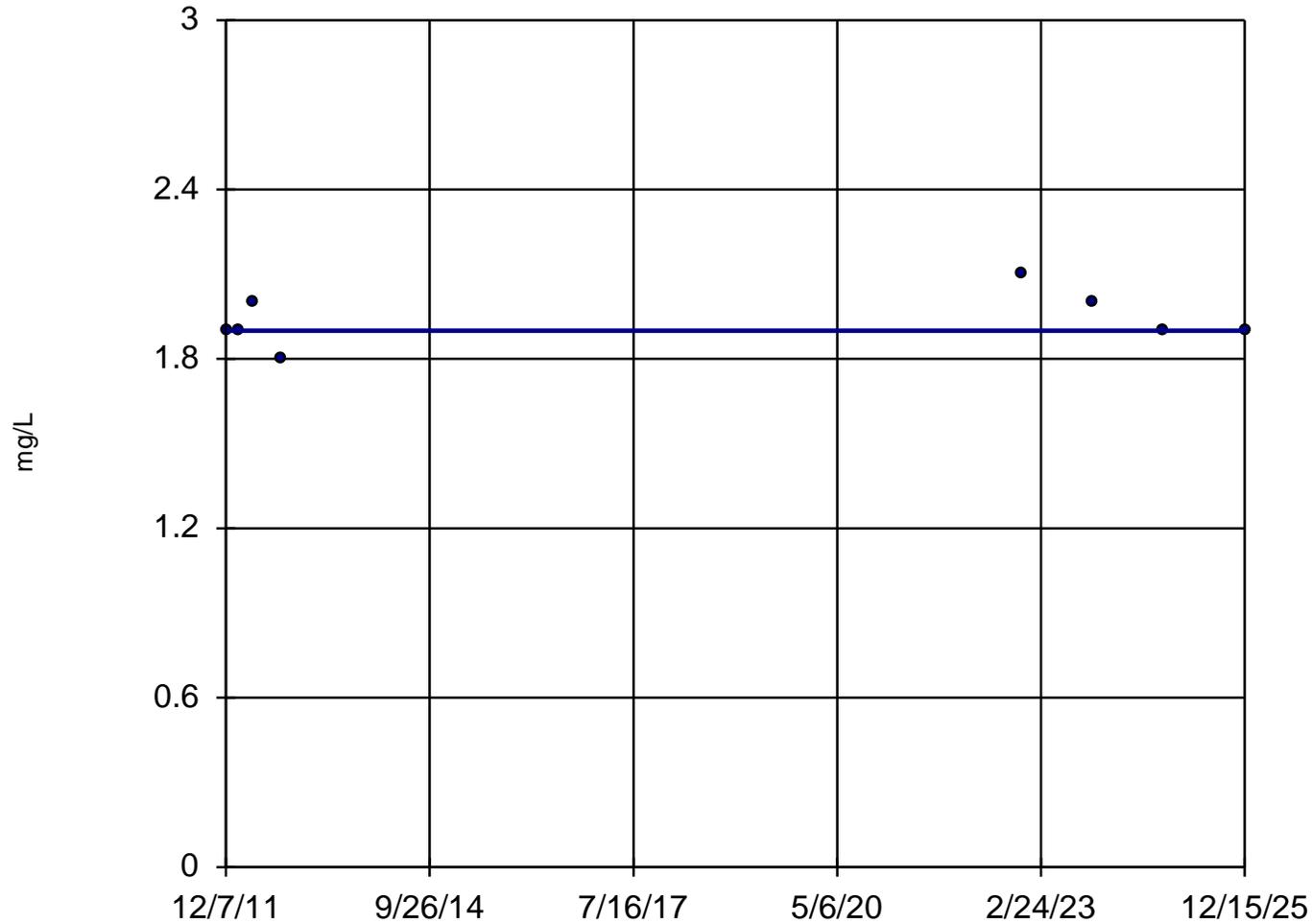
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-060



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 1
critical = 15

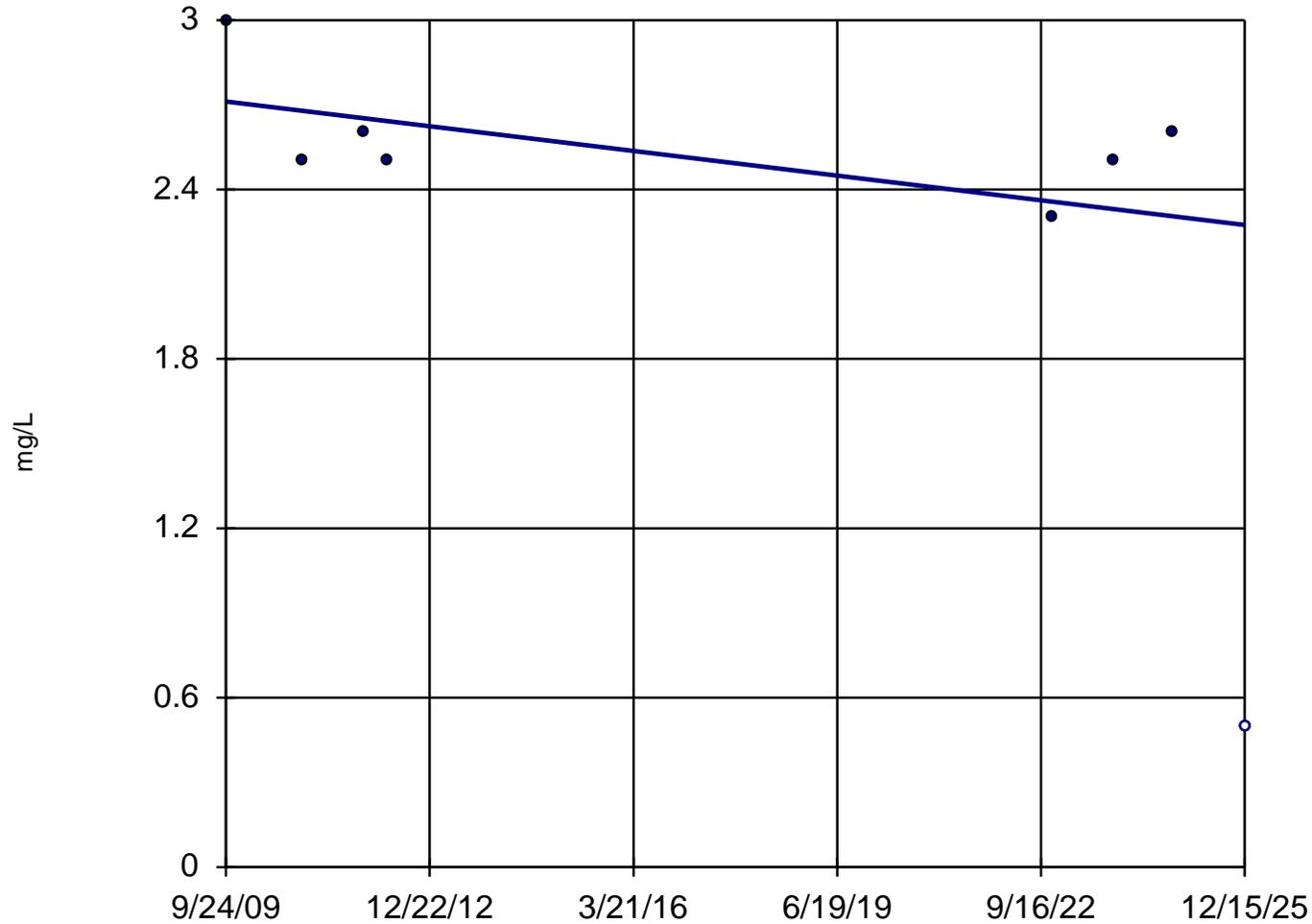
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-135



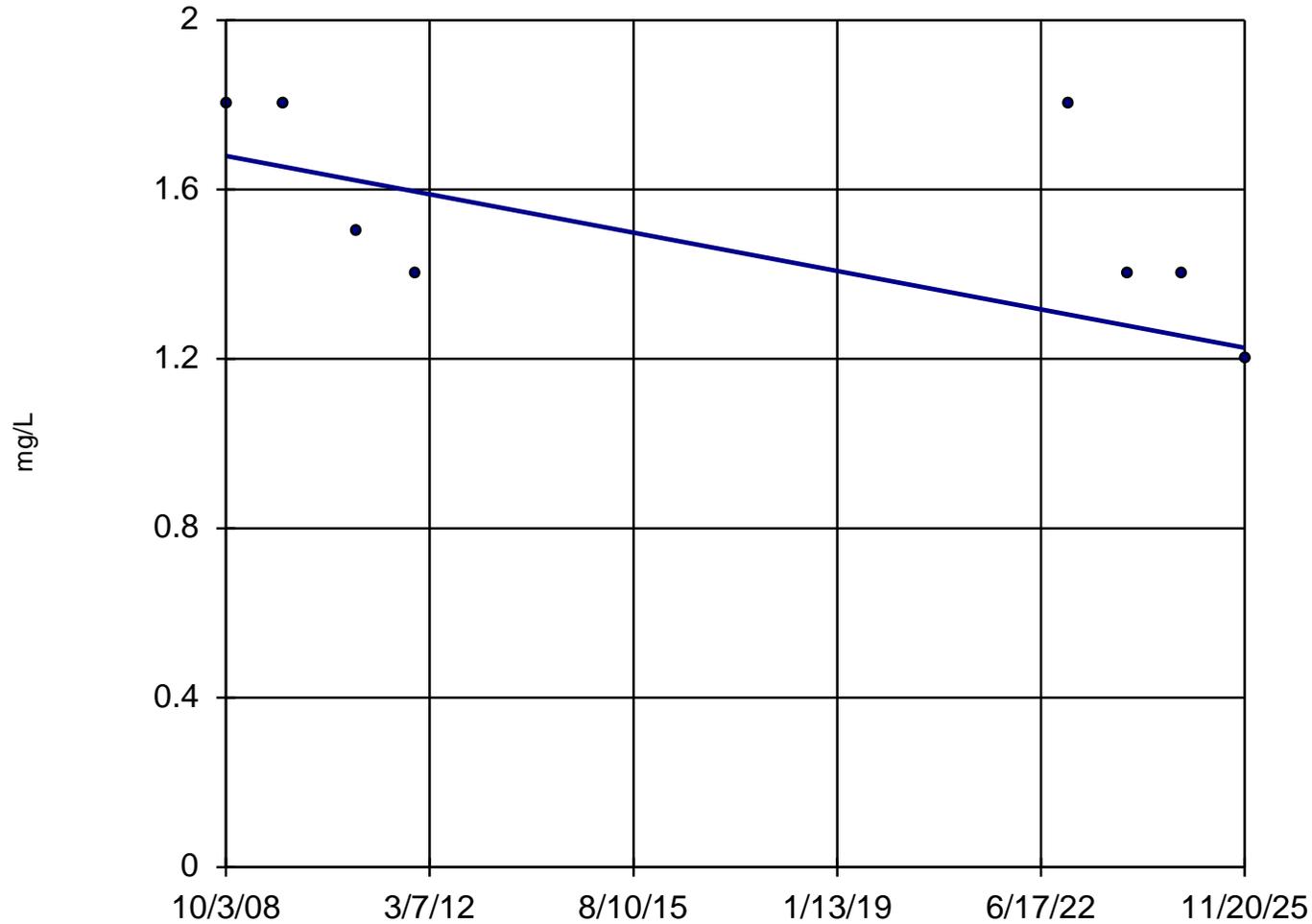
n = 8
Slope = -0.02694
units per year.
Mann-Kendall
statistic = -12
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-37S (bg)



n = 8

Slope = -0.02643
units per year.

Mann-Kendall
statistic = -18
critical = -15

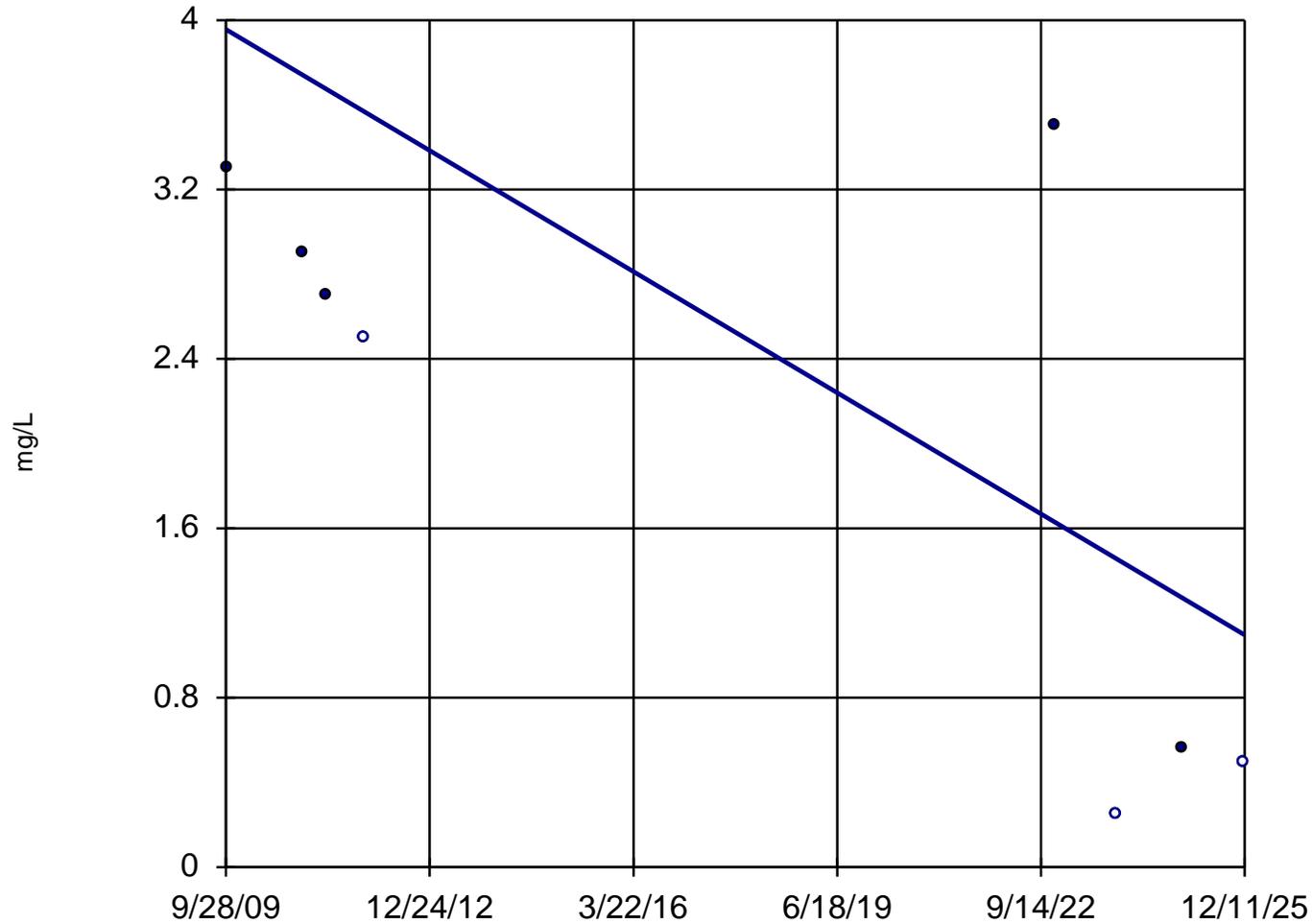
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40D (bg)



n = 8

Slope = -0.1764
units per year.

Mann-Kendall
statistic = -16
critical = -15

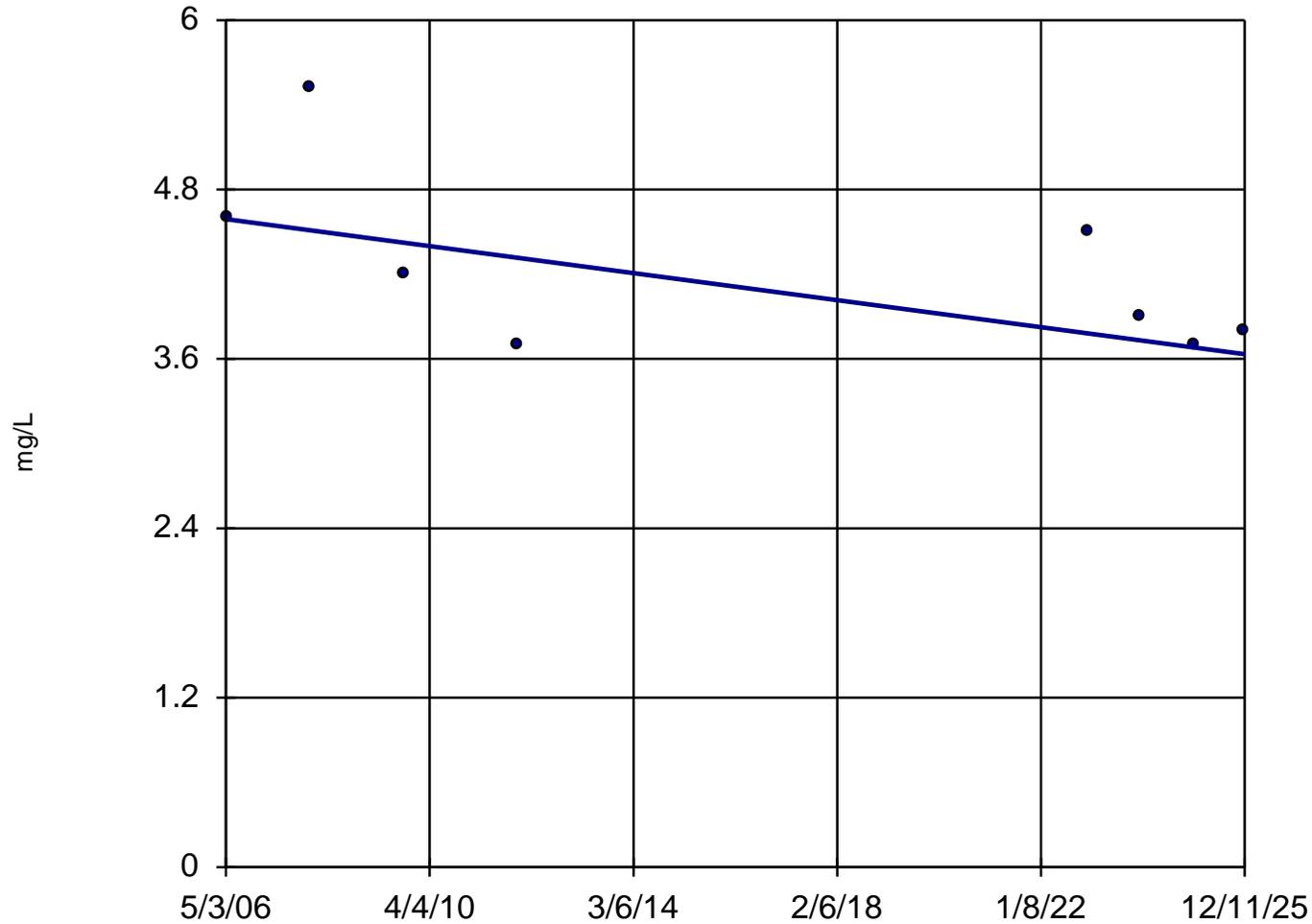
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40S (bg)



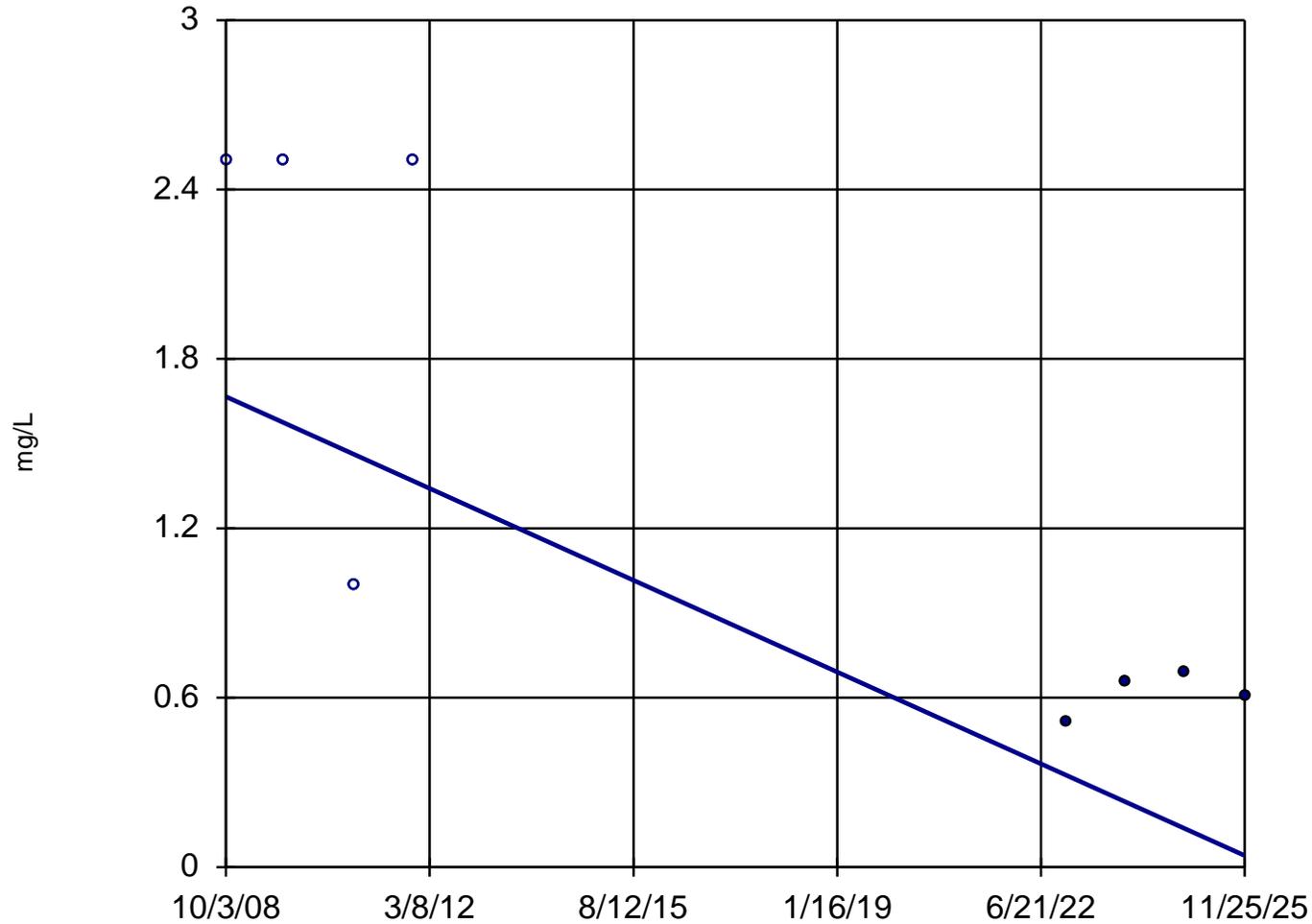
n = 8
Slope = -0.04872
units per year.
Mann-Kendall
statistic = -15
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41M (bg)



n = 8

Slope = -0.09476
units per year.

Mann-Kendall
statistic = -15
critical = -15

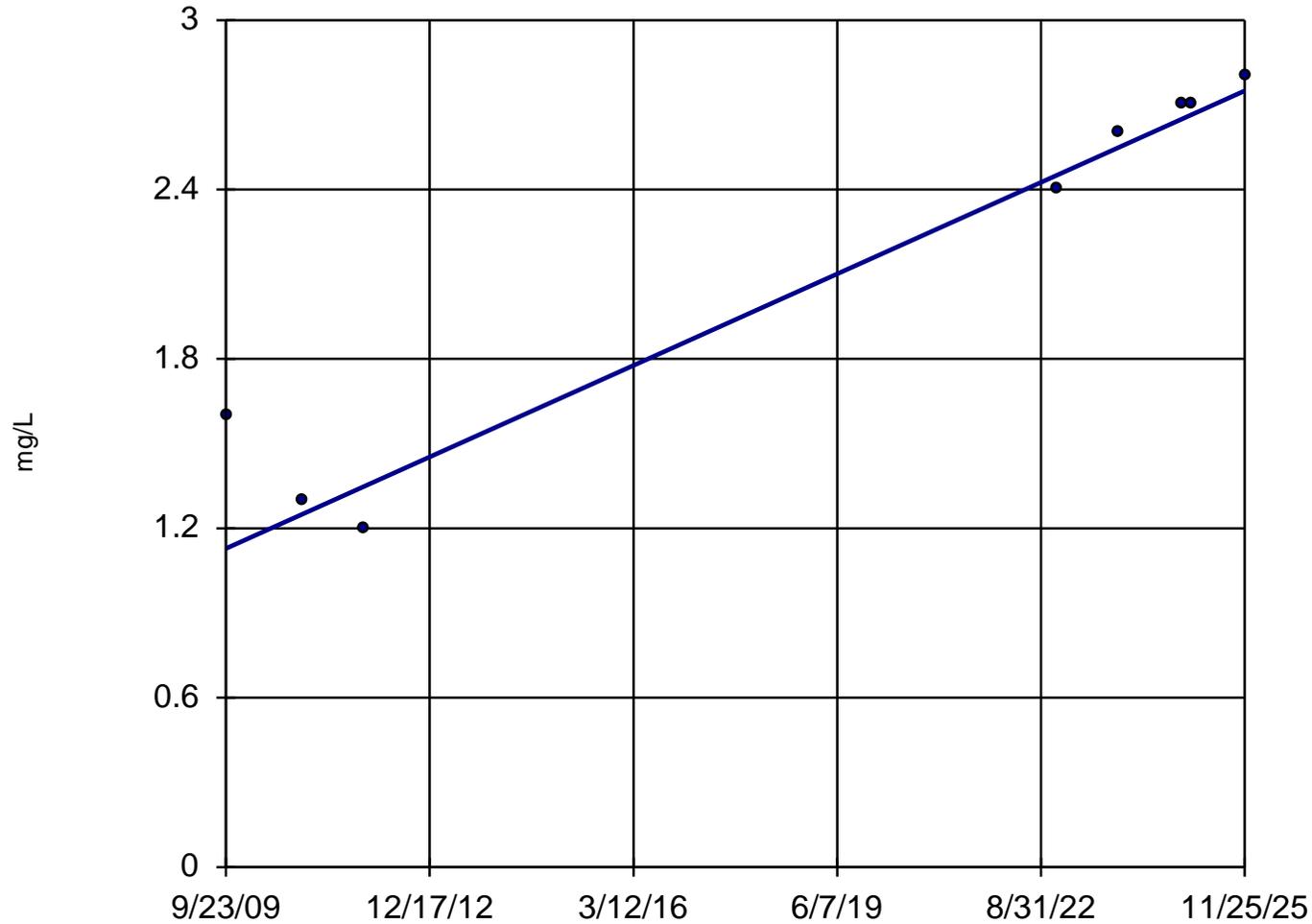
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41S (bg)



n = 8

Slope = 0.1001
units per year.

Mann-Kendall
statistic = 21
critical = 15

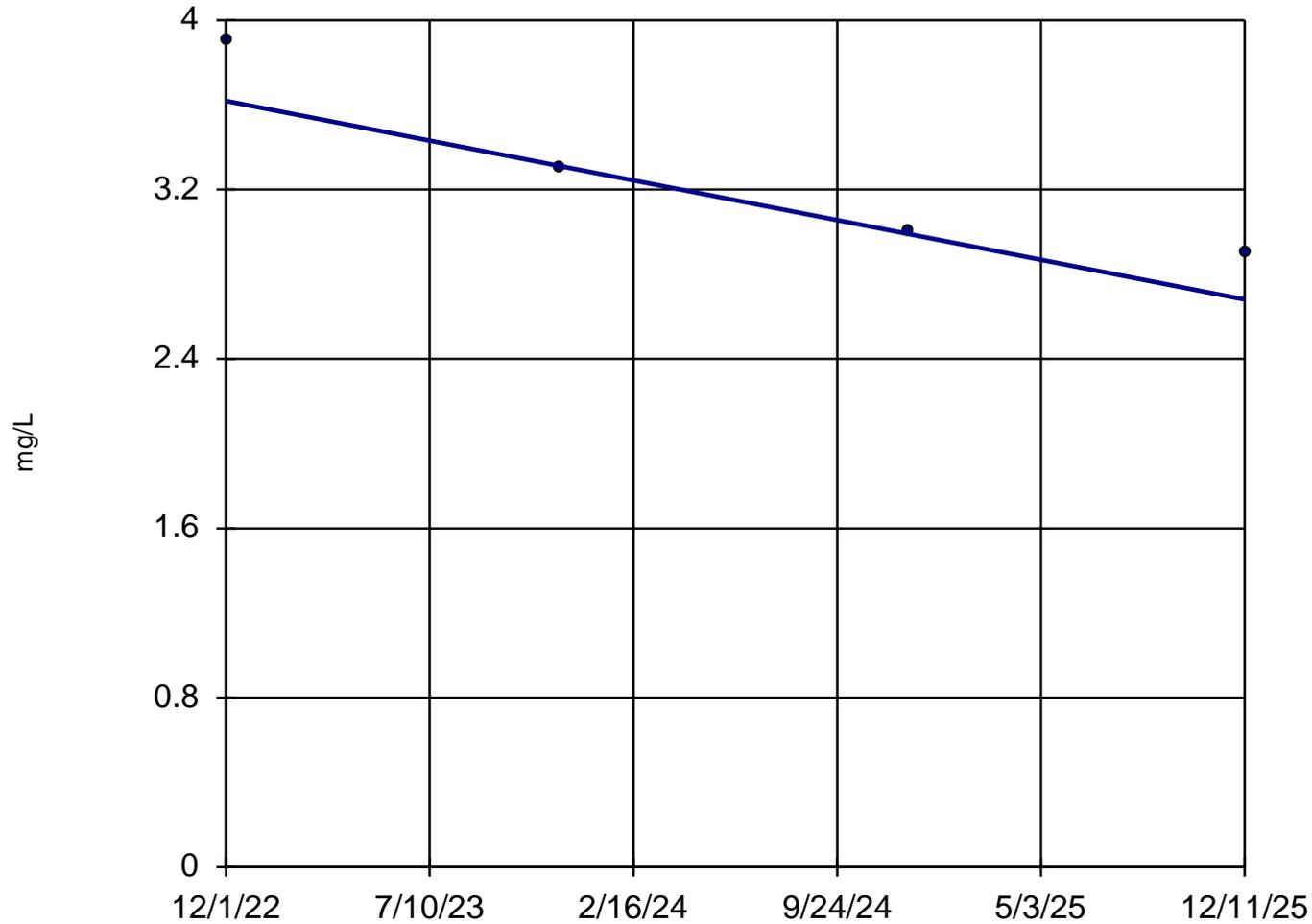
Increasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-183 (bg)



n = 4

Slope = -0.3095
units per year.

Mann-Kendall
statistic = -6
critical = -6

Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

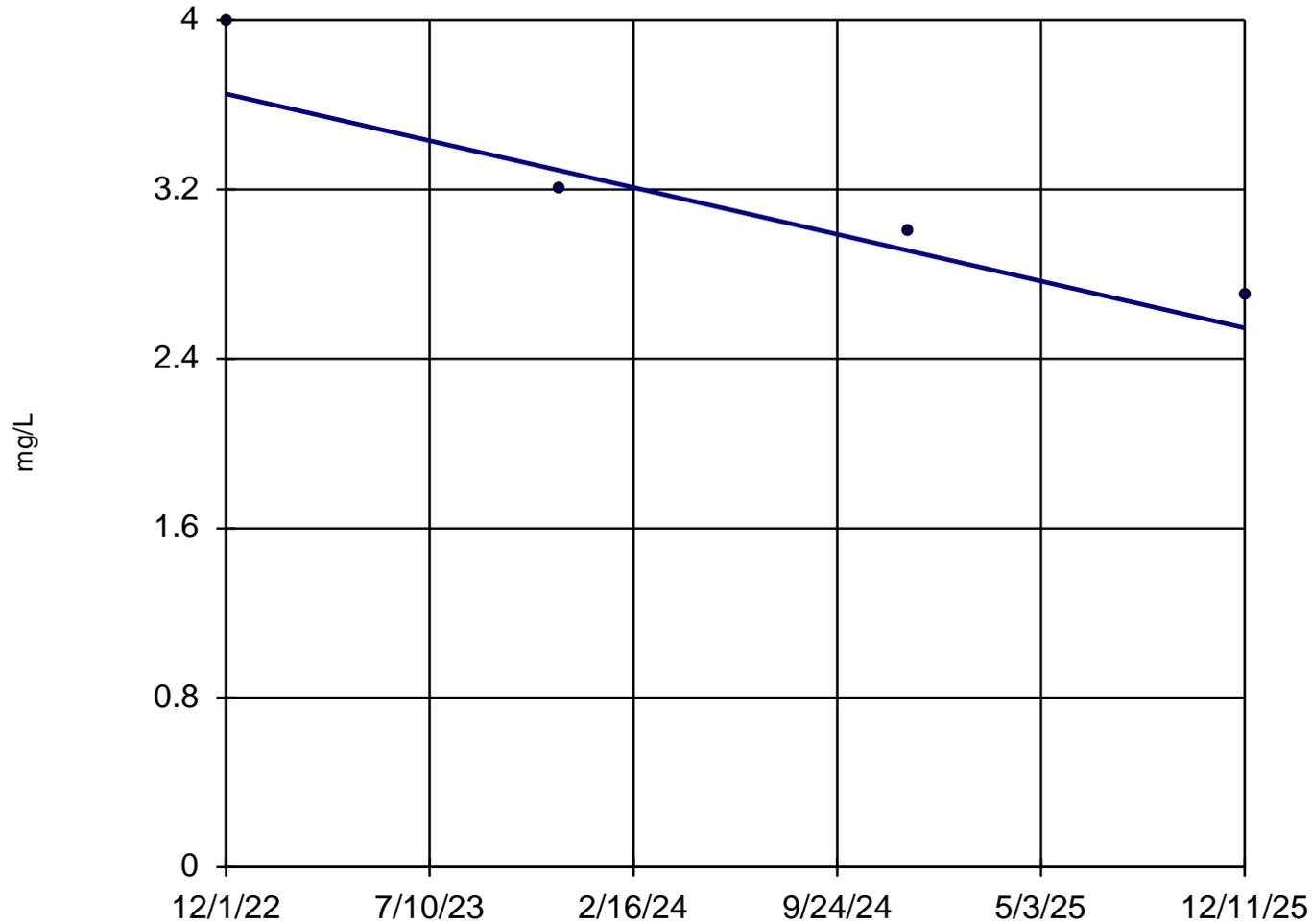
With n = 4, no data
set will result in
a significant Mann-
Kendall statistic.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-273 (bg)



n = 4

Slope = -0.3649
units per year.

Mann-Kendall
statistic = -6
critical = -6

Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

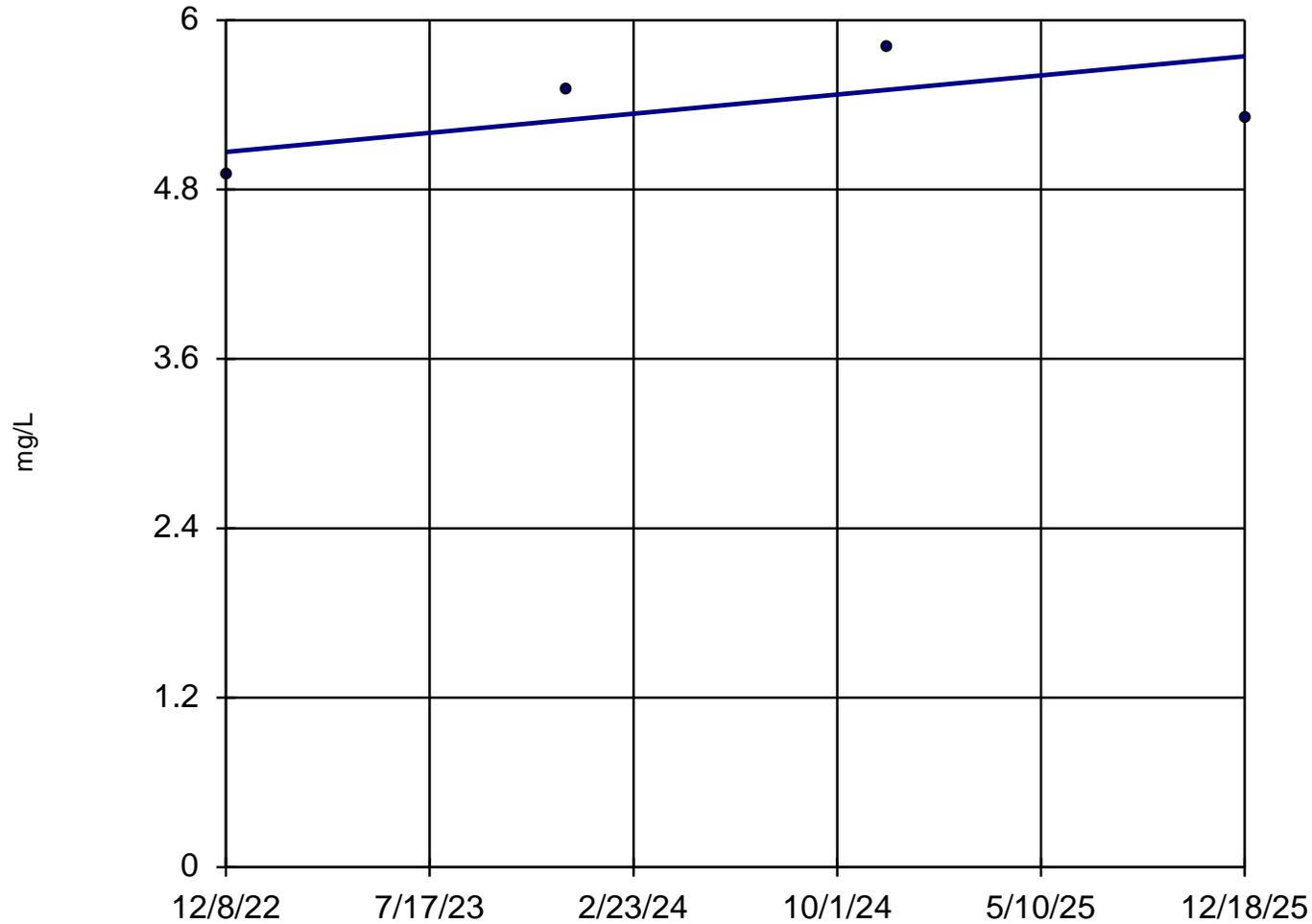
With n = 4, no data
set will result in
a significant Mann-
Kendall statistic.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-113 (bg)



n = 4

Slope = 0.2238
units per year.

Mann-Kendall
statistic = 2
critical = 6

Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

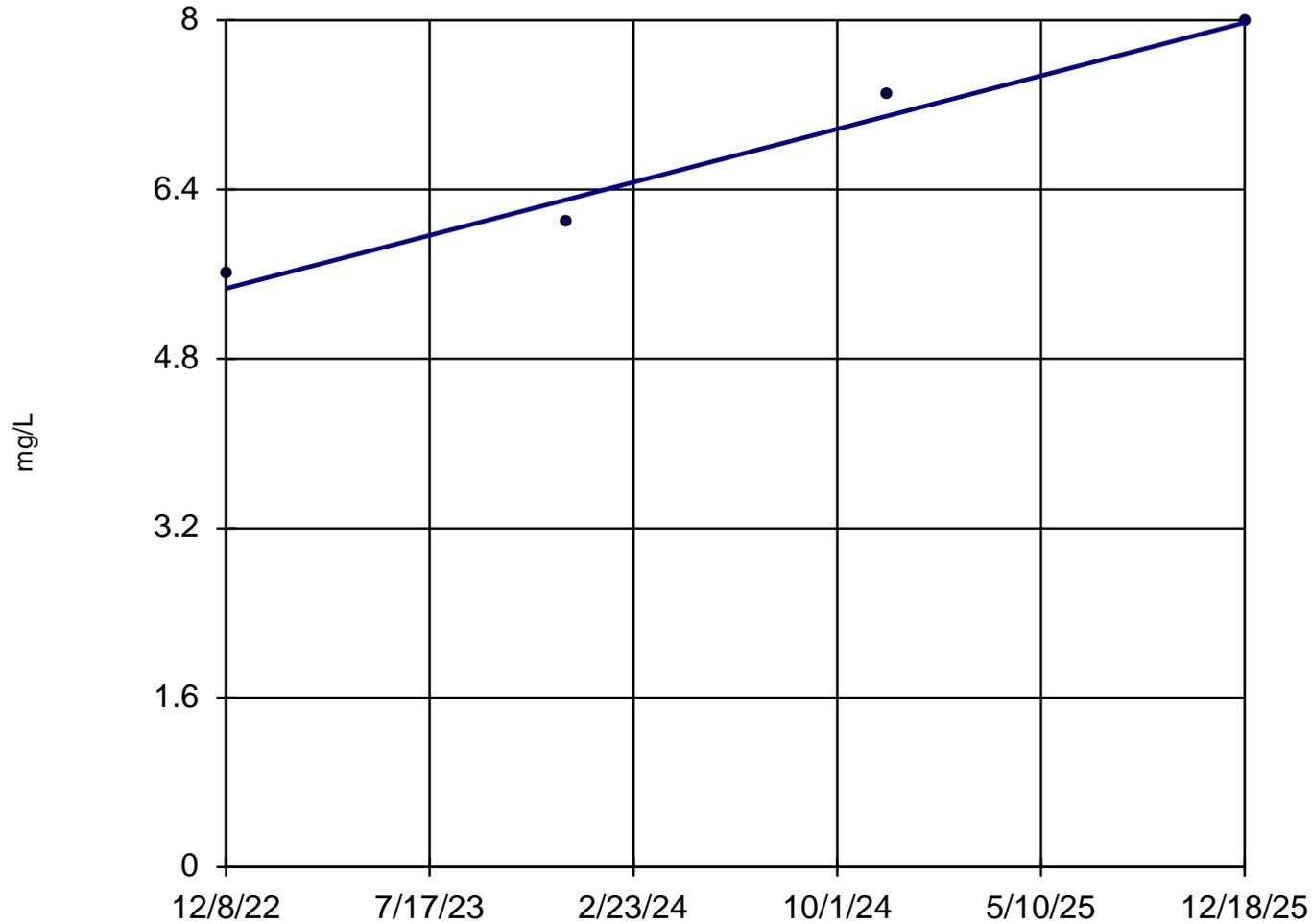
With n = 4, no data
set will result in
a significant Mann-
Kendall statistic.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-157 (bg)



n = 4

Slope = 0.8281
units per year.

Mann-Kendall
statistic = 6
critical = 6

Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

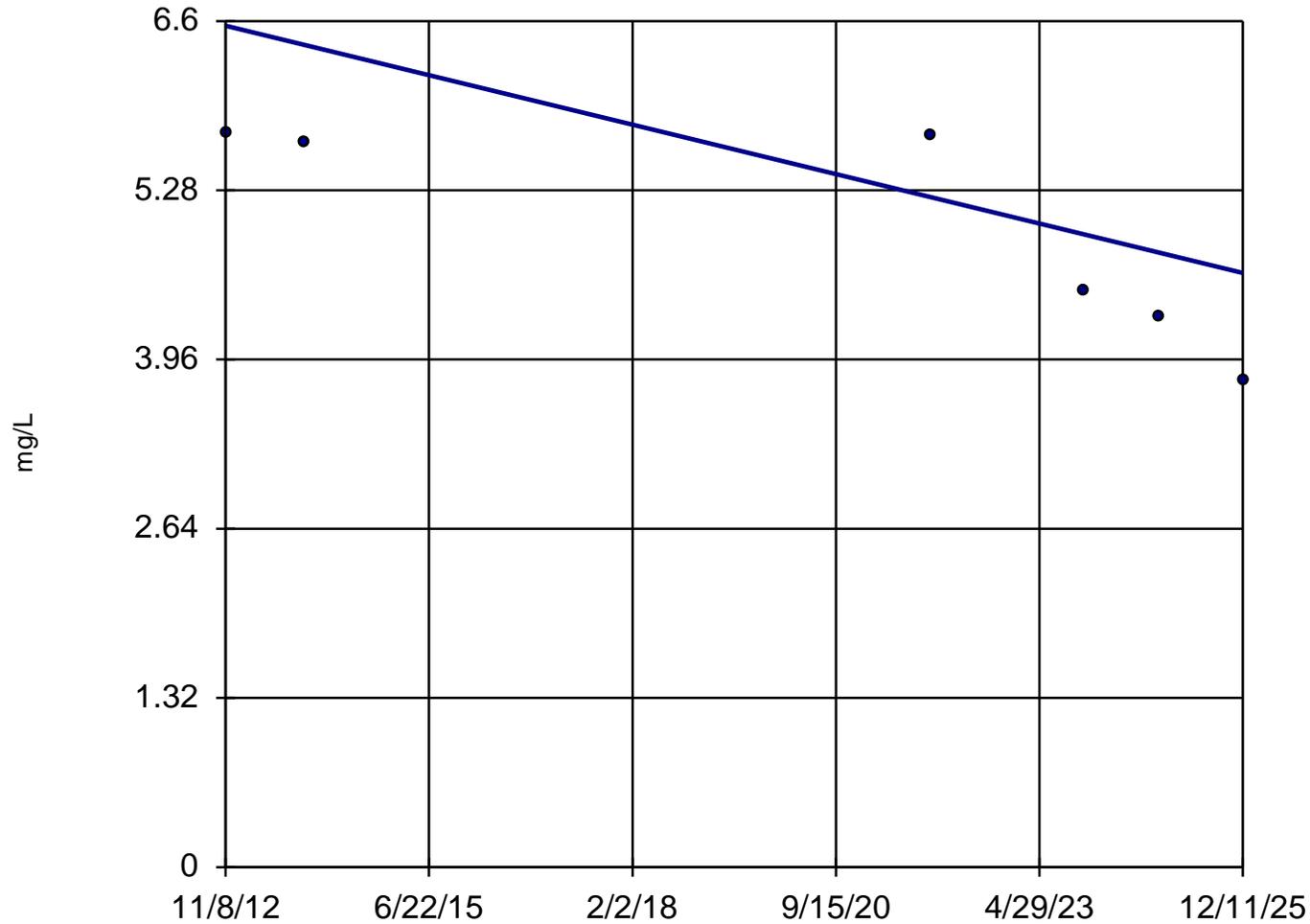
With n = 4, no data
set will result in
a significant Mann-
Kendall statistic.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-060



n = 6

Slope = -0.1473
units per year.

Mann-Kendall
statistic = -13
critical = -10

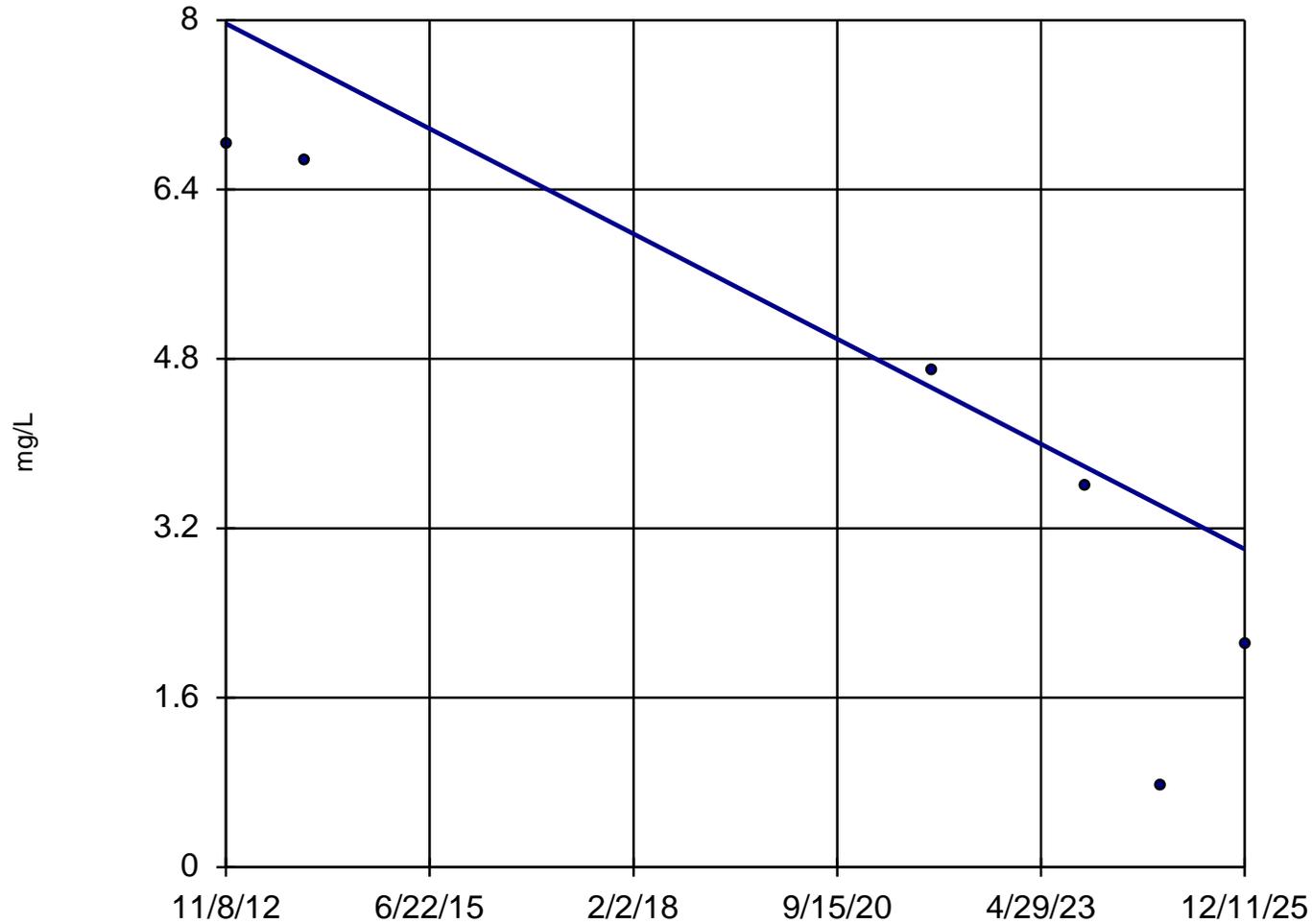
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-080



n = 6

Slope = -0.3788
units per year.

Mann-Kendall
statistic = -13
critical = -10

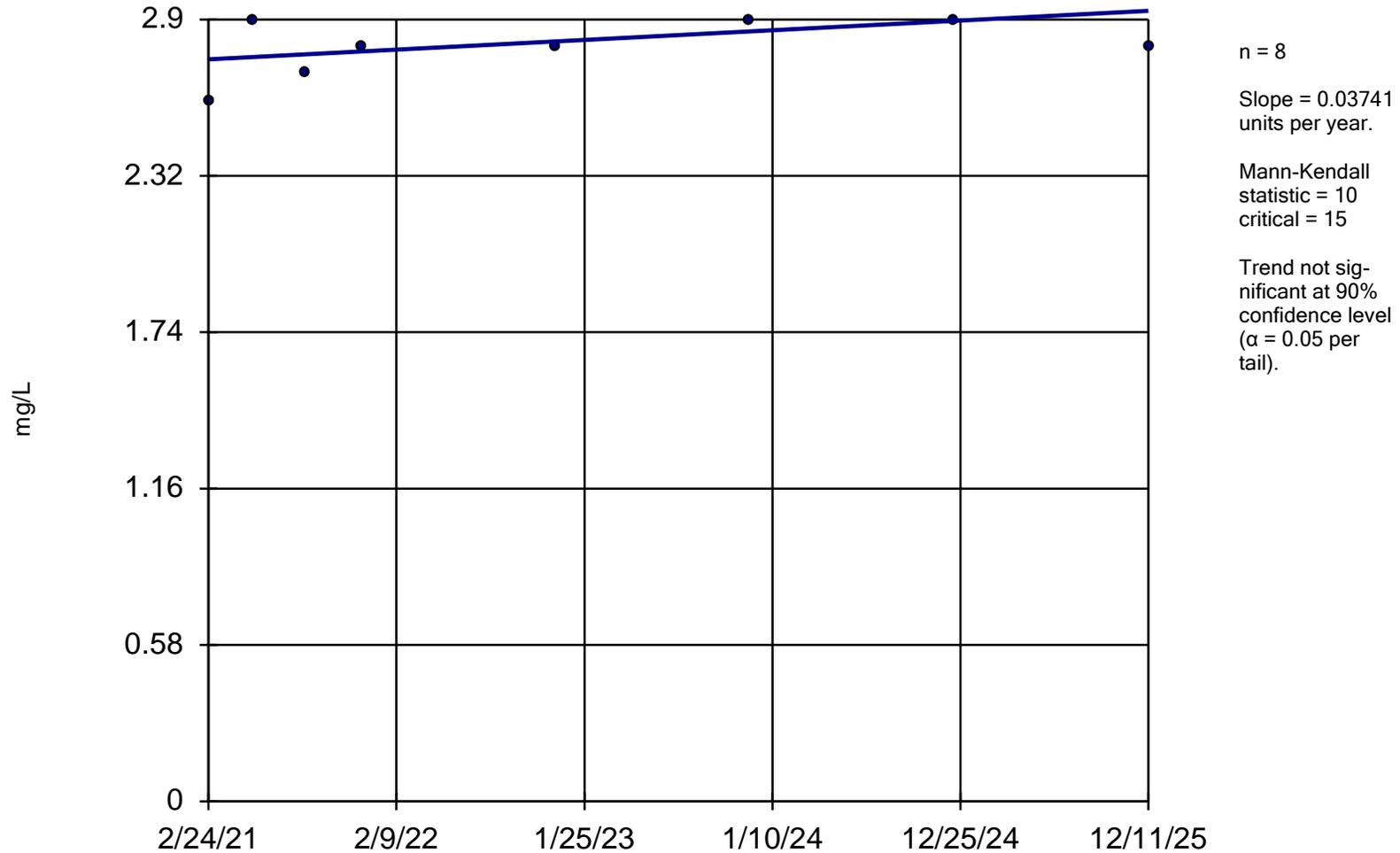
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-183 (bg)

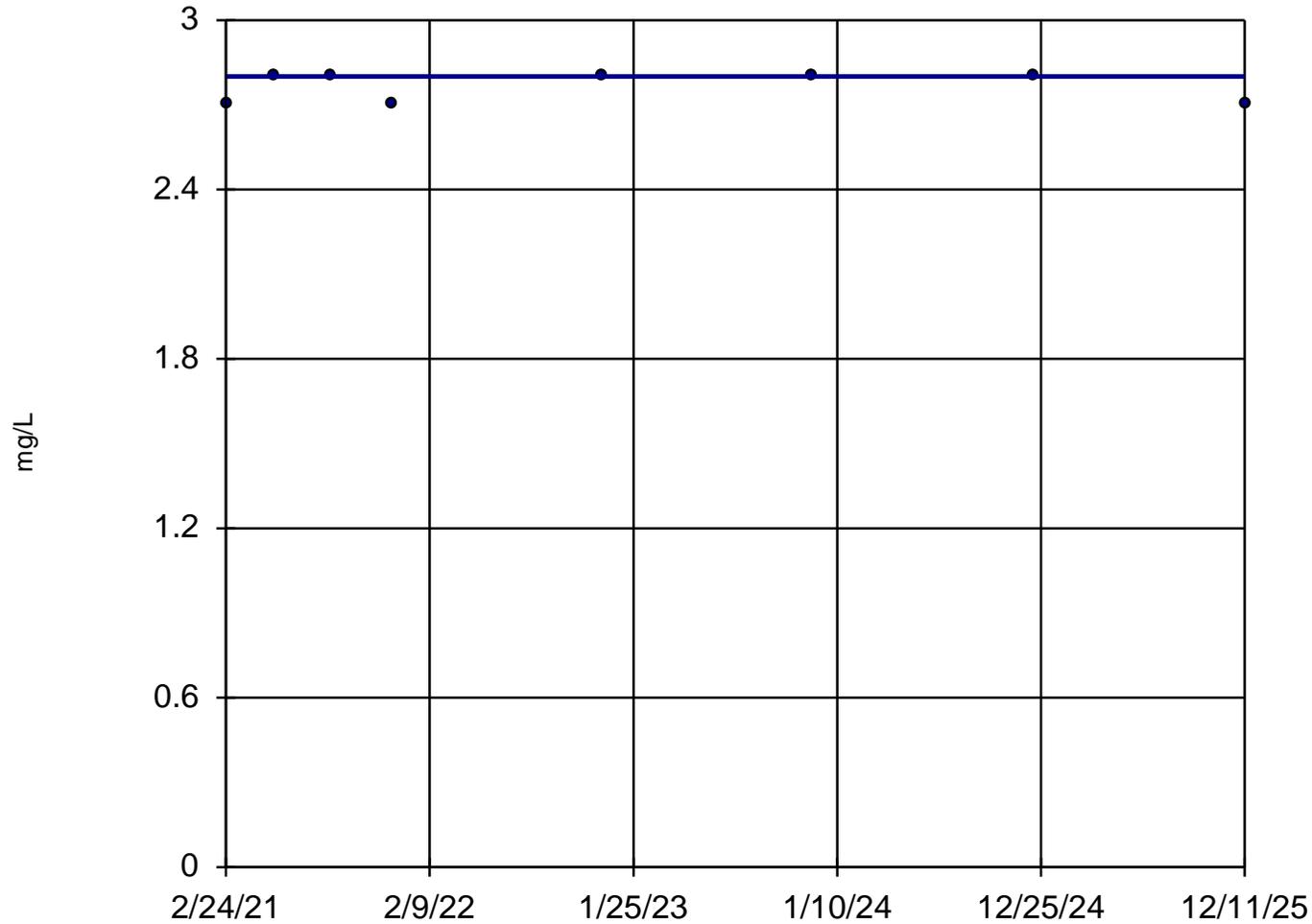


Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-273 (bg)



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 1
critical = 15

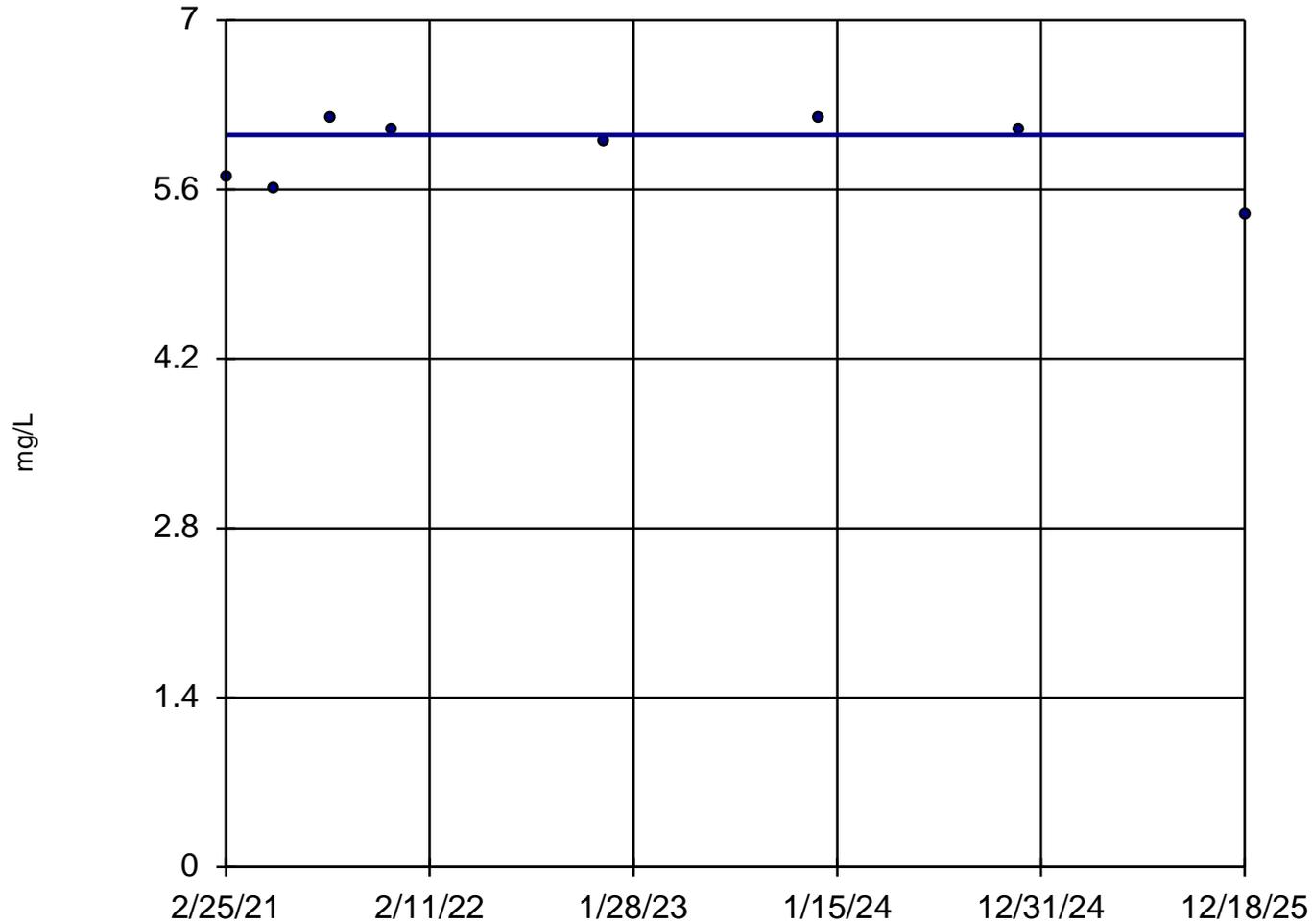
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-113 (bg)



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

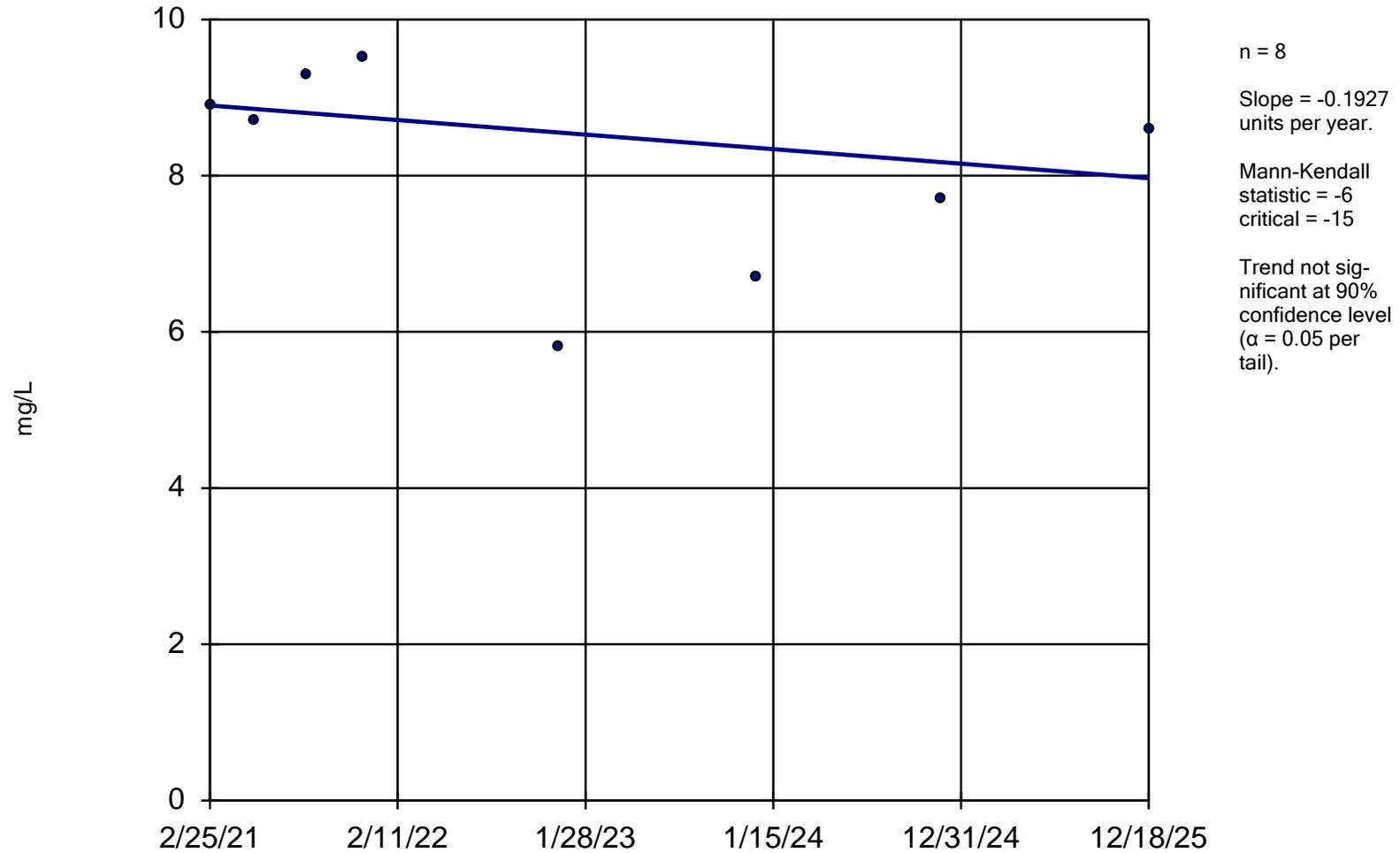
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-157 (bg)

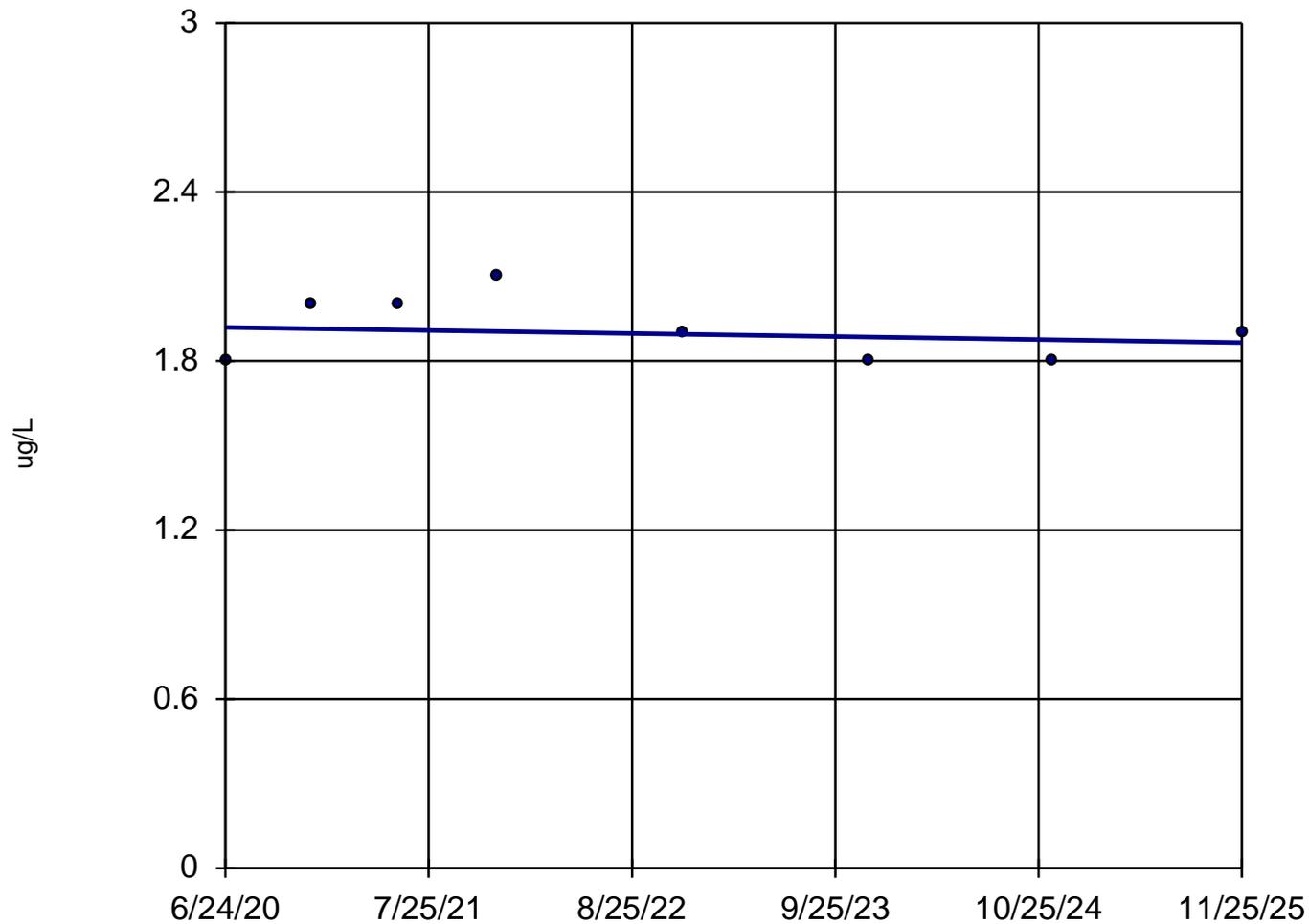


Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-14 (bg)



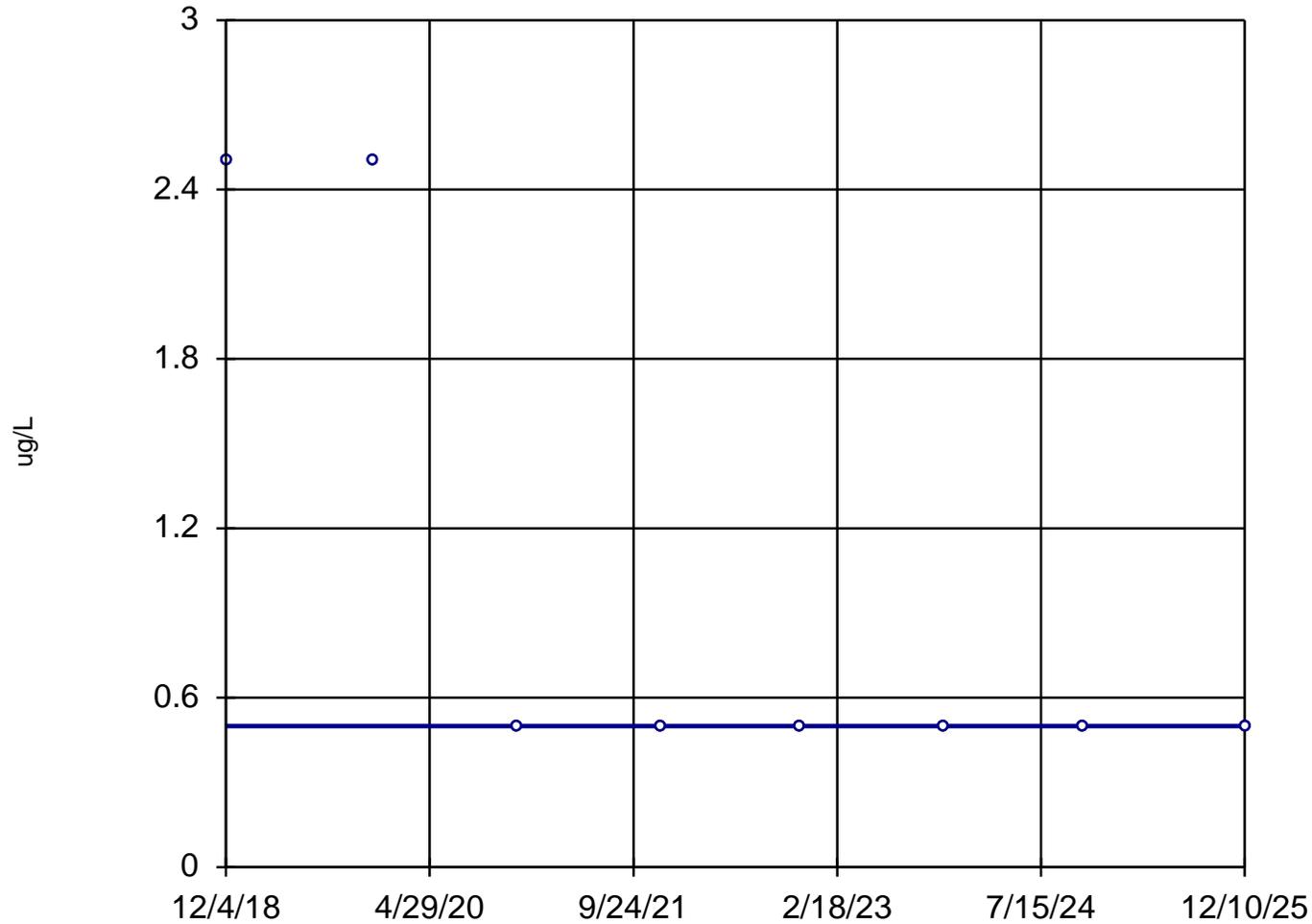
n = 8
Slope = -0.01008 units per year.
Mann-Kendall statistic = -5
critical = -15
Trend not significant at 90% confidence level ($\alpha = 0.05$ per tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-22



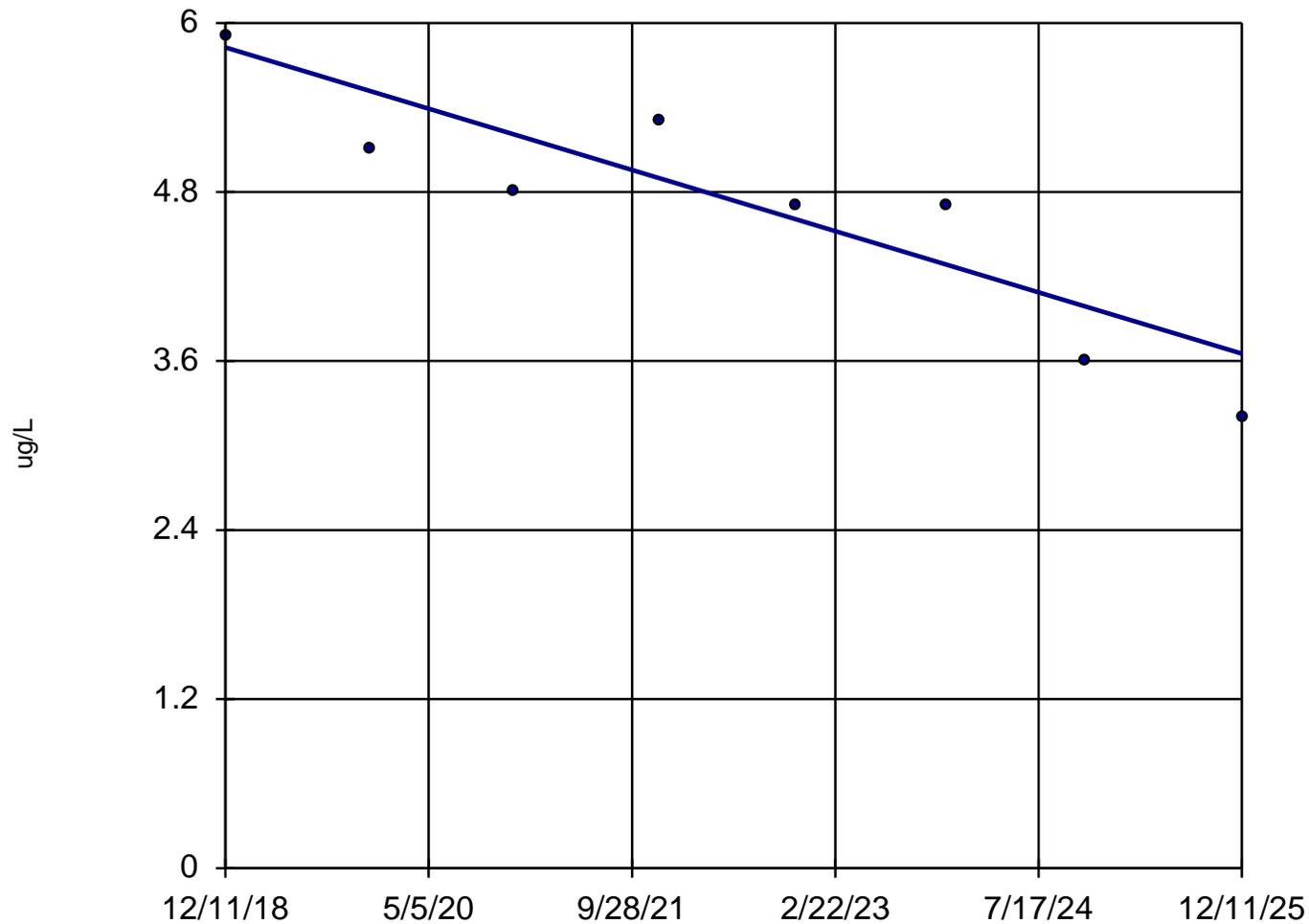
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = -12
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-060



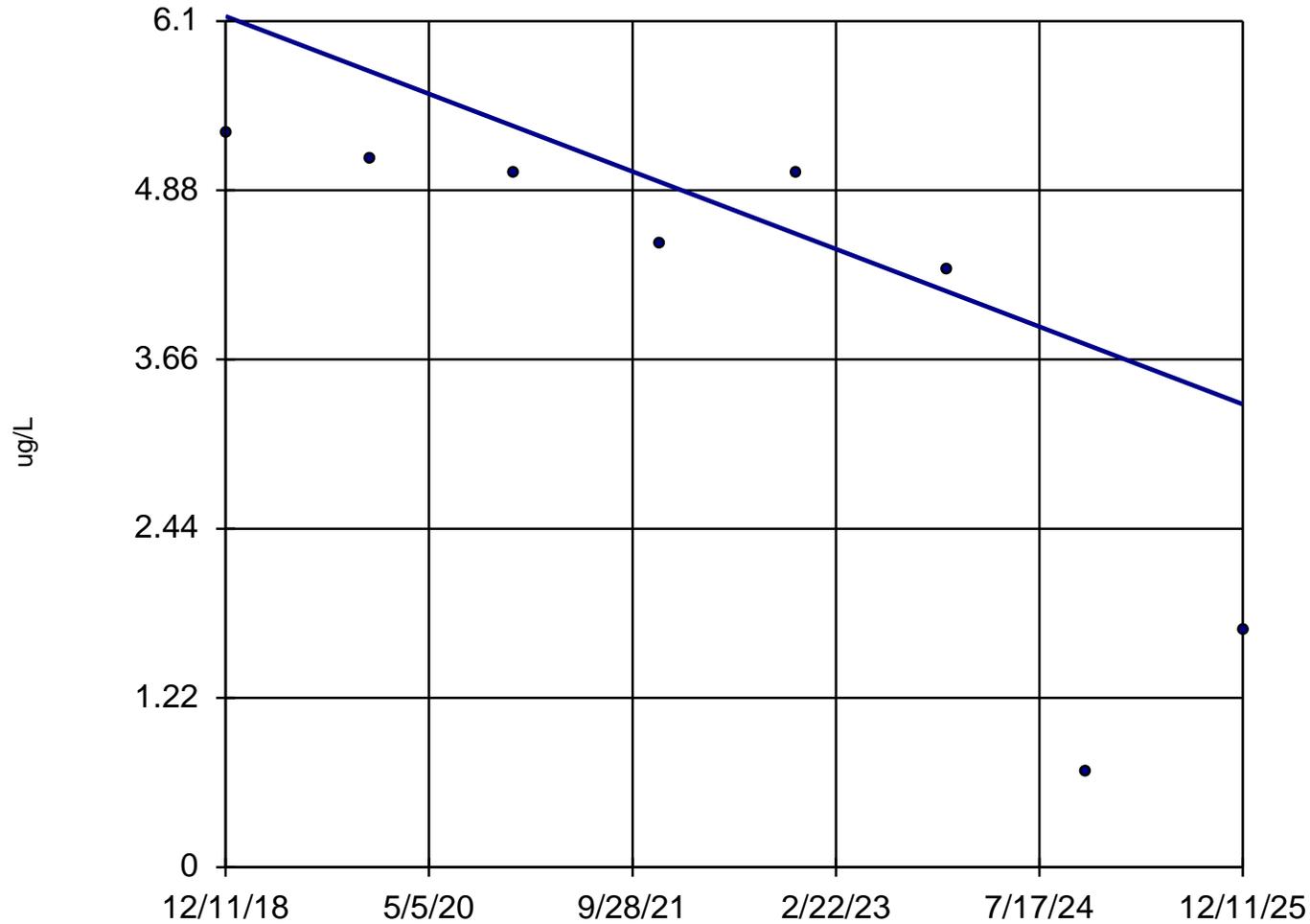
n = 8
Slope = -0.3103
units per year.
Mann-Kendall
statistic = -23
critical = -15
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-23-080



n = 8

Slope = -0.3991
units per year.

Mann-Kendall
statistic = -23
critical = -15

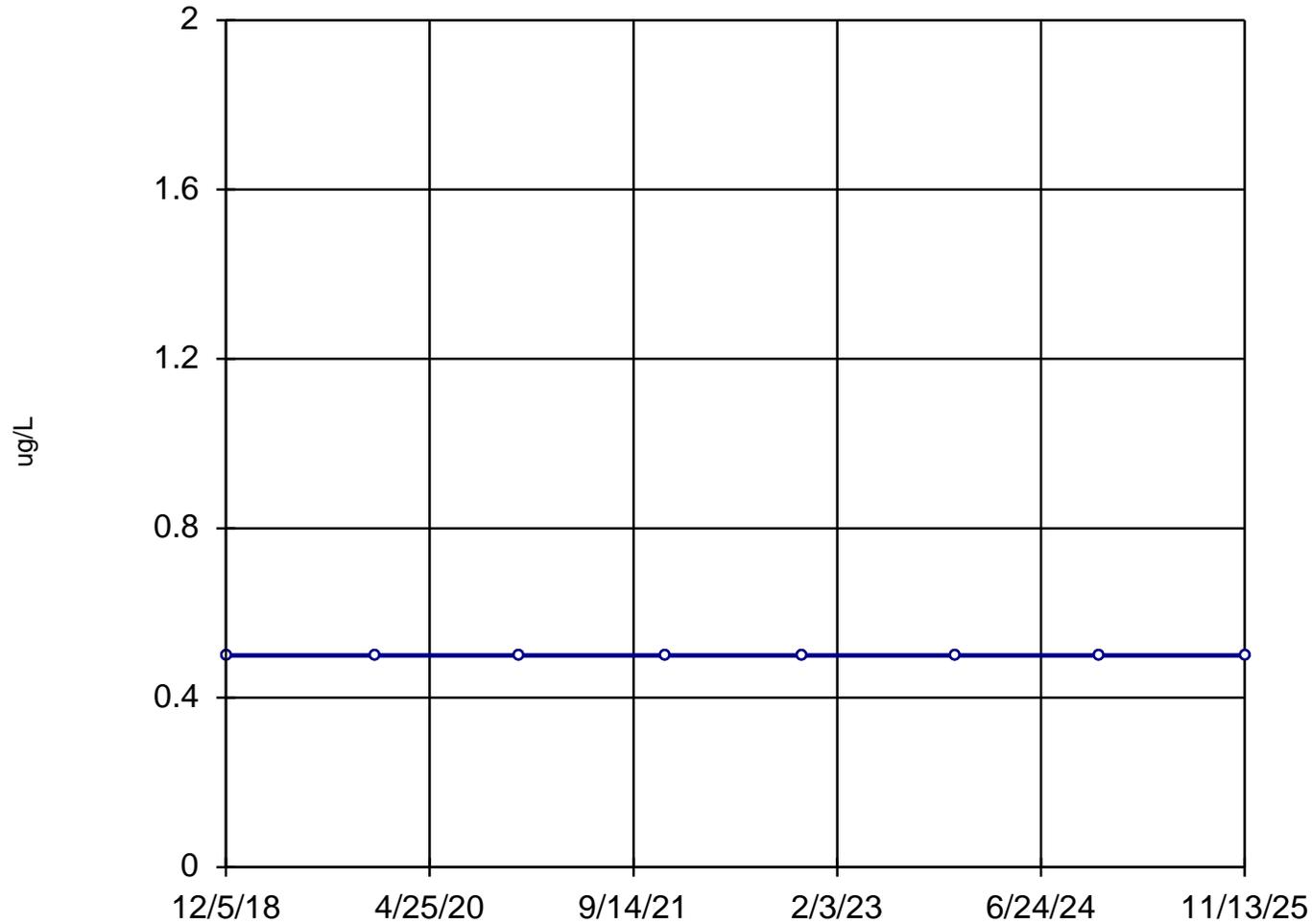
Decreasing trend
significant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-27-060



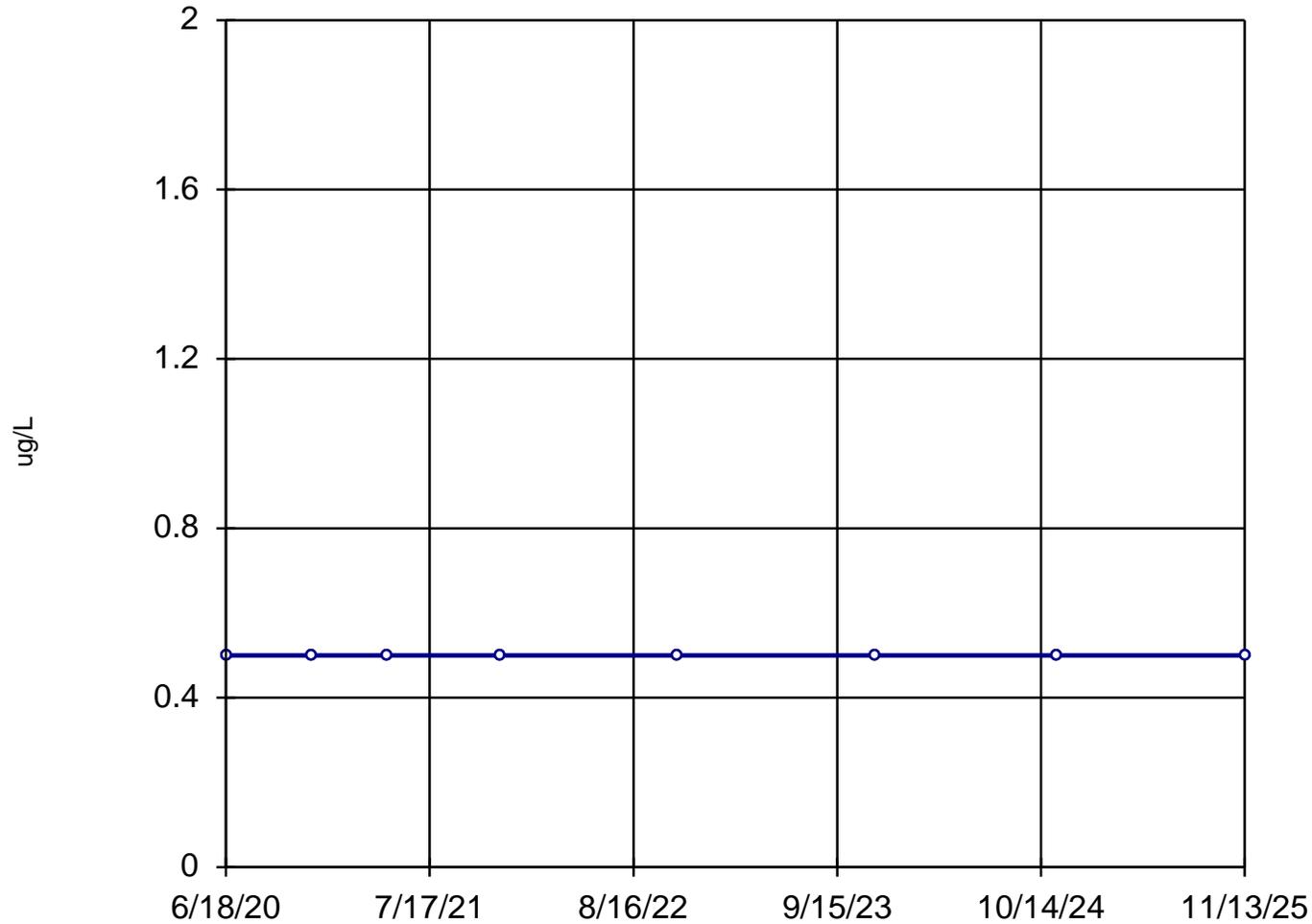
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-27-085



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

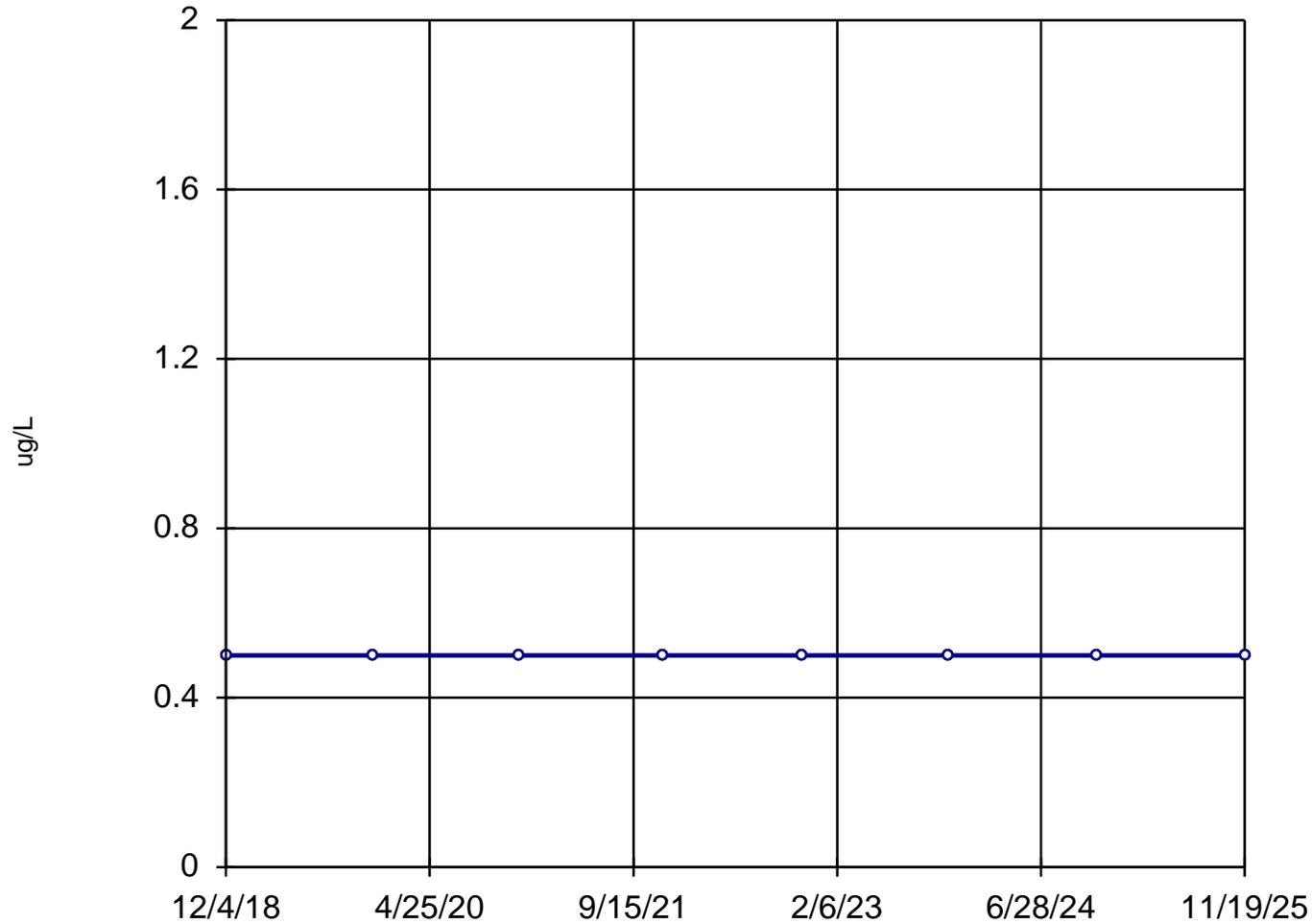
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-32-035



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

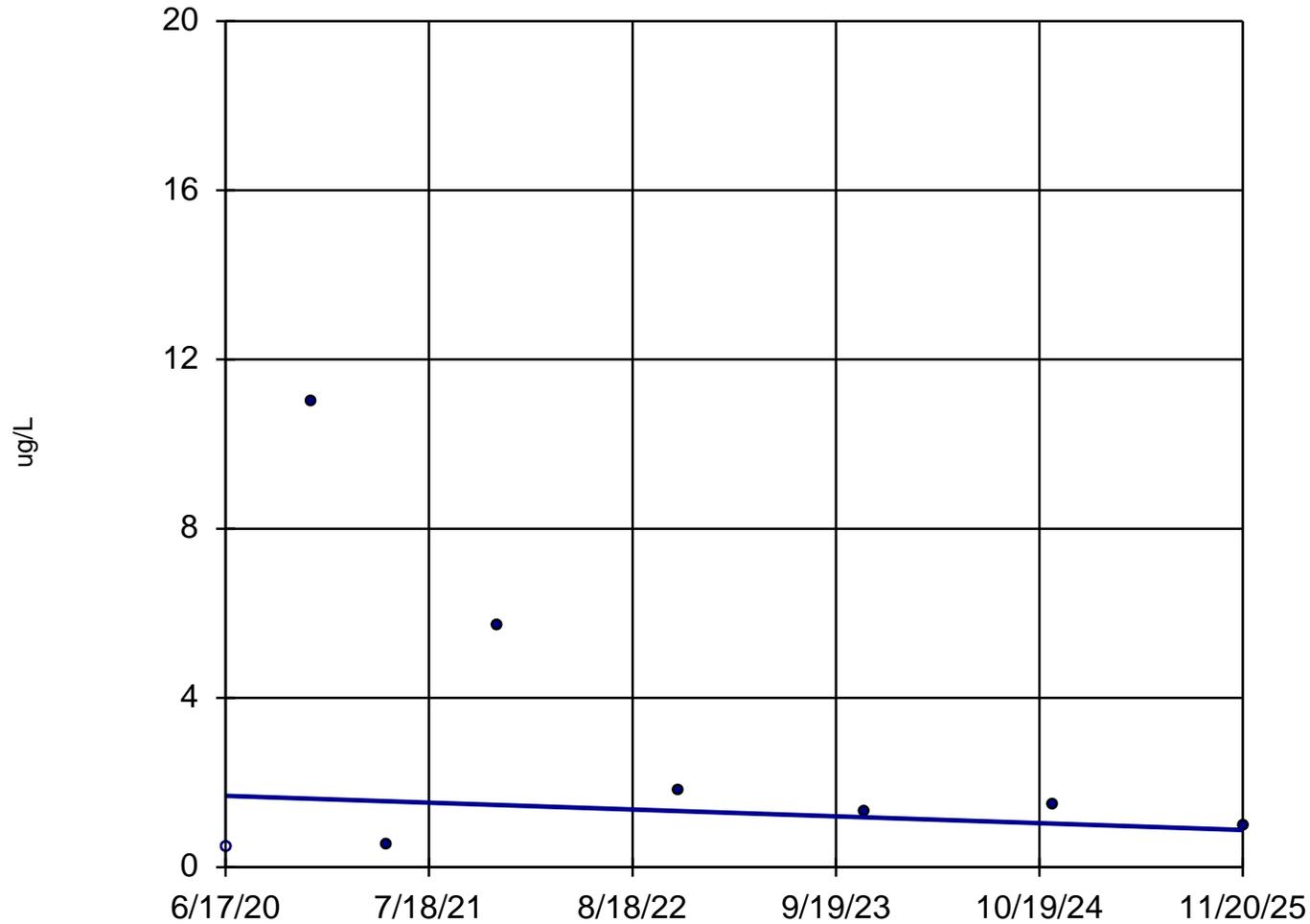
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-040



n = 8

Slope = -0.1496
units per year.

Mann-Kendall
statistic = -2
critical = -15

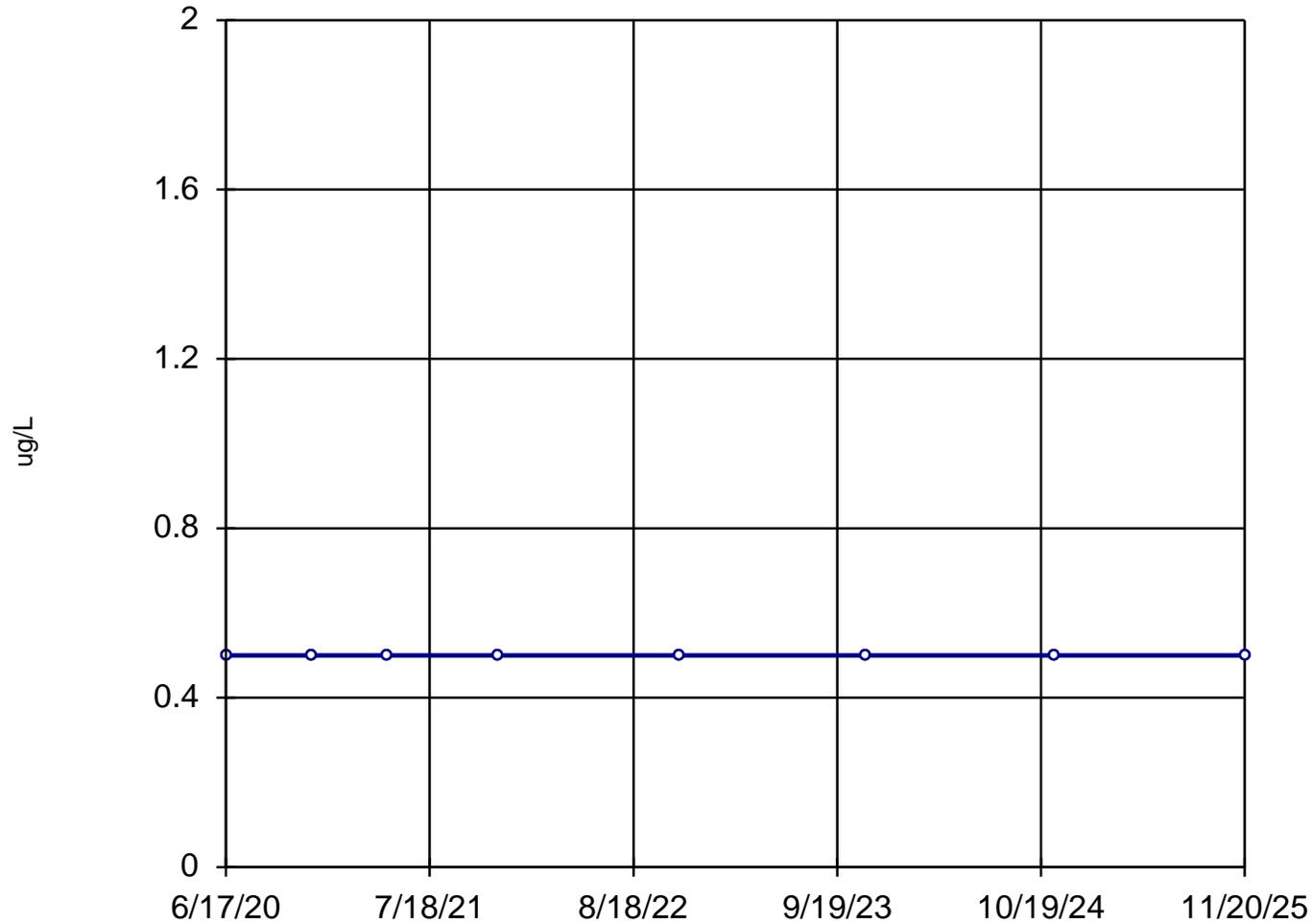
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-090



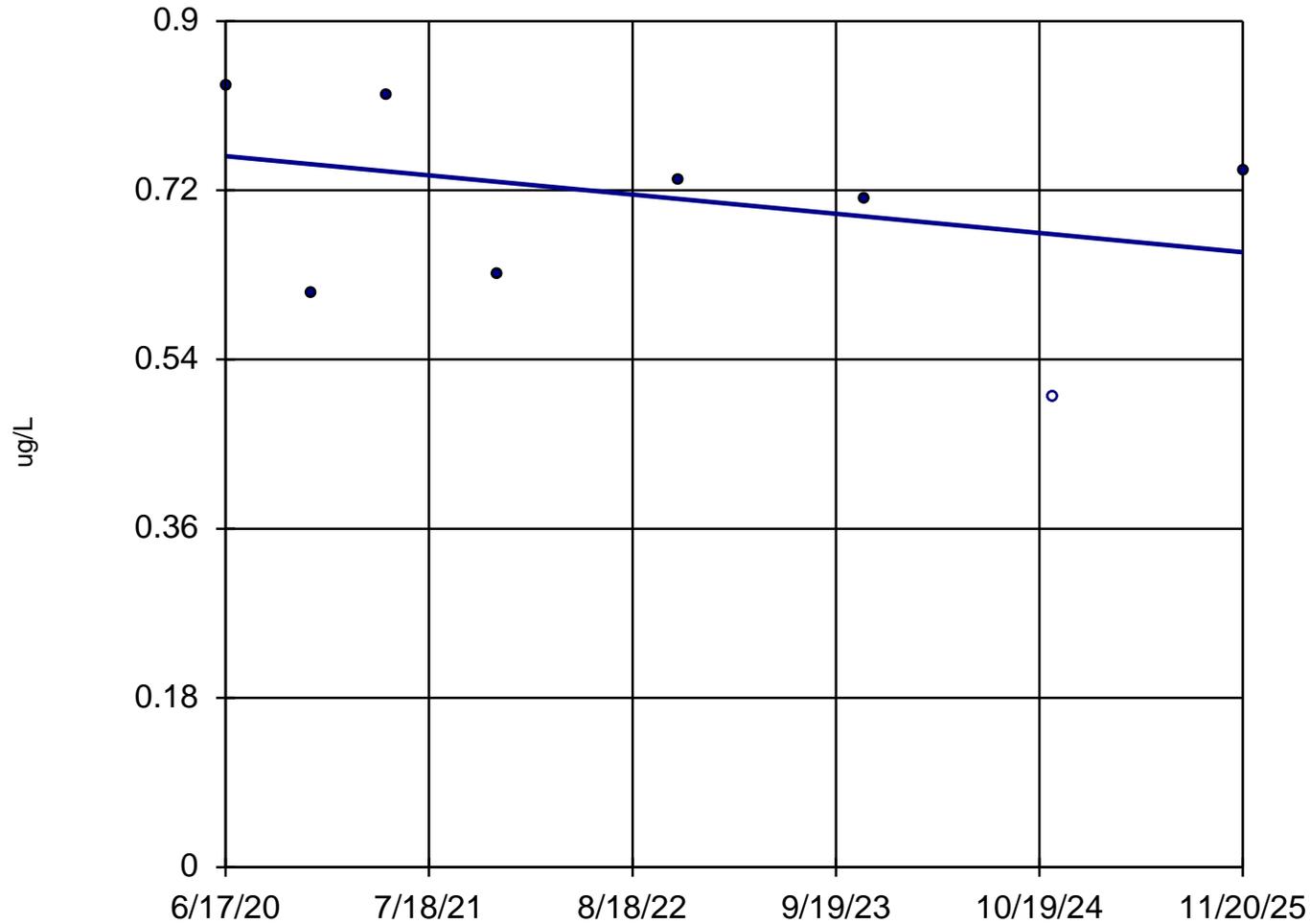
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-33-150



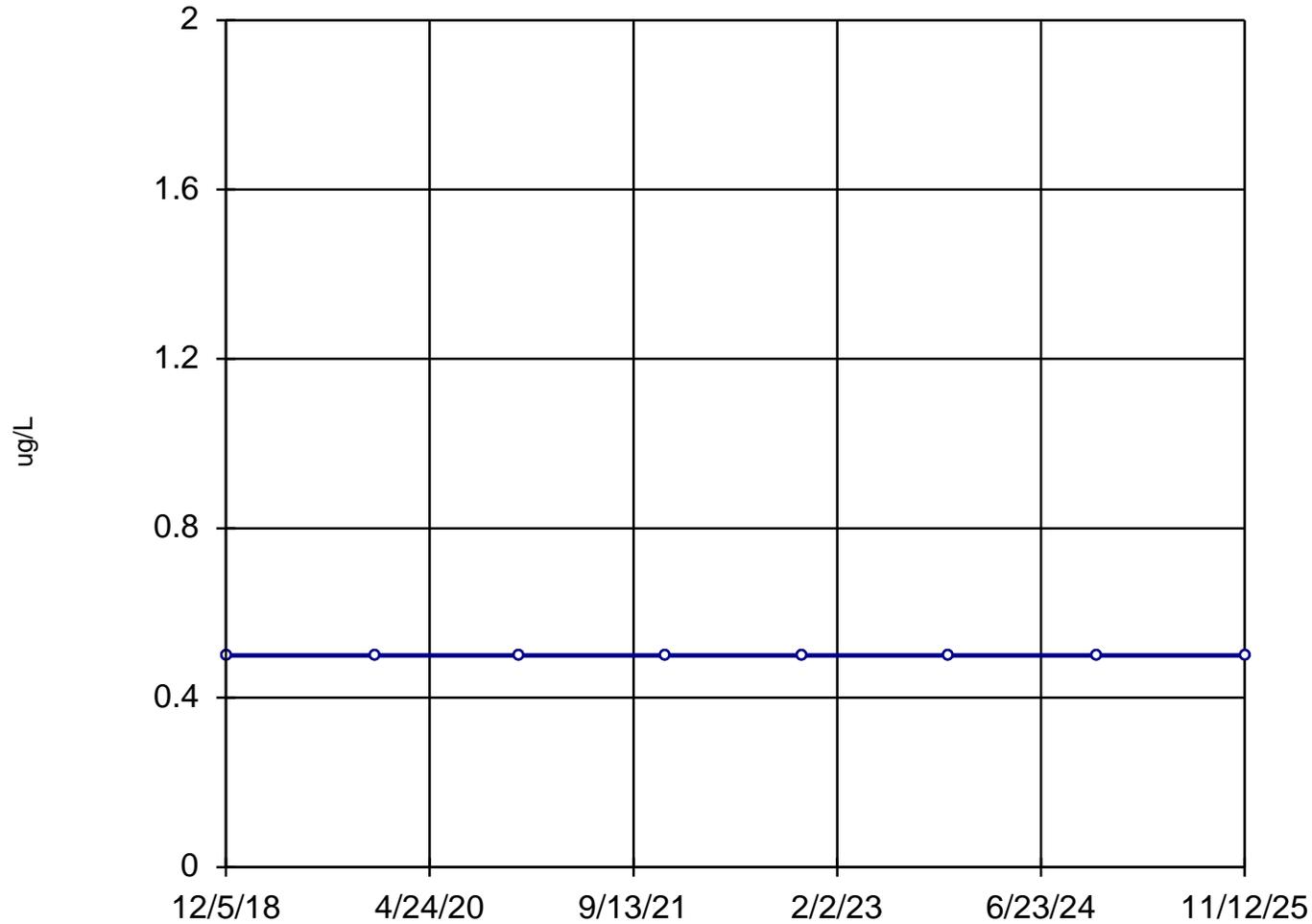
n = 8
Slope = -0.01882
units per year.
Mann-Kendall
statistic = -6
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-34-055



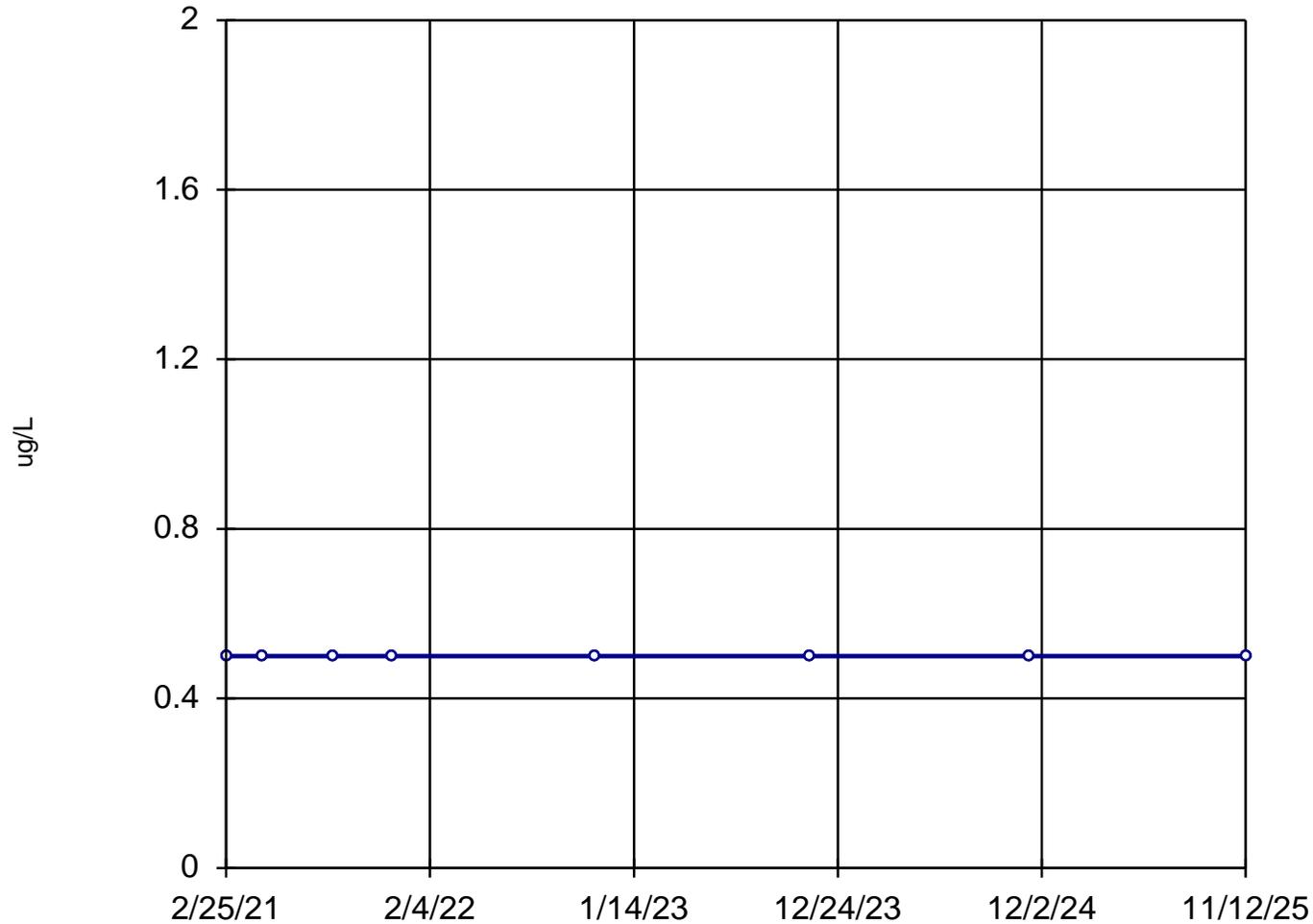
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-34-100



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 15

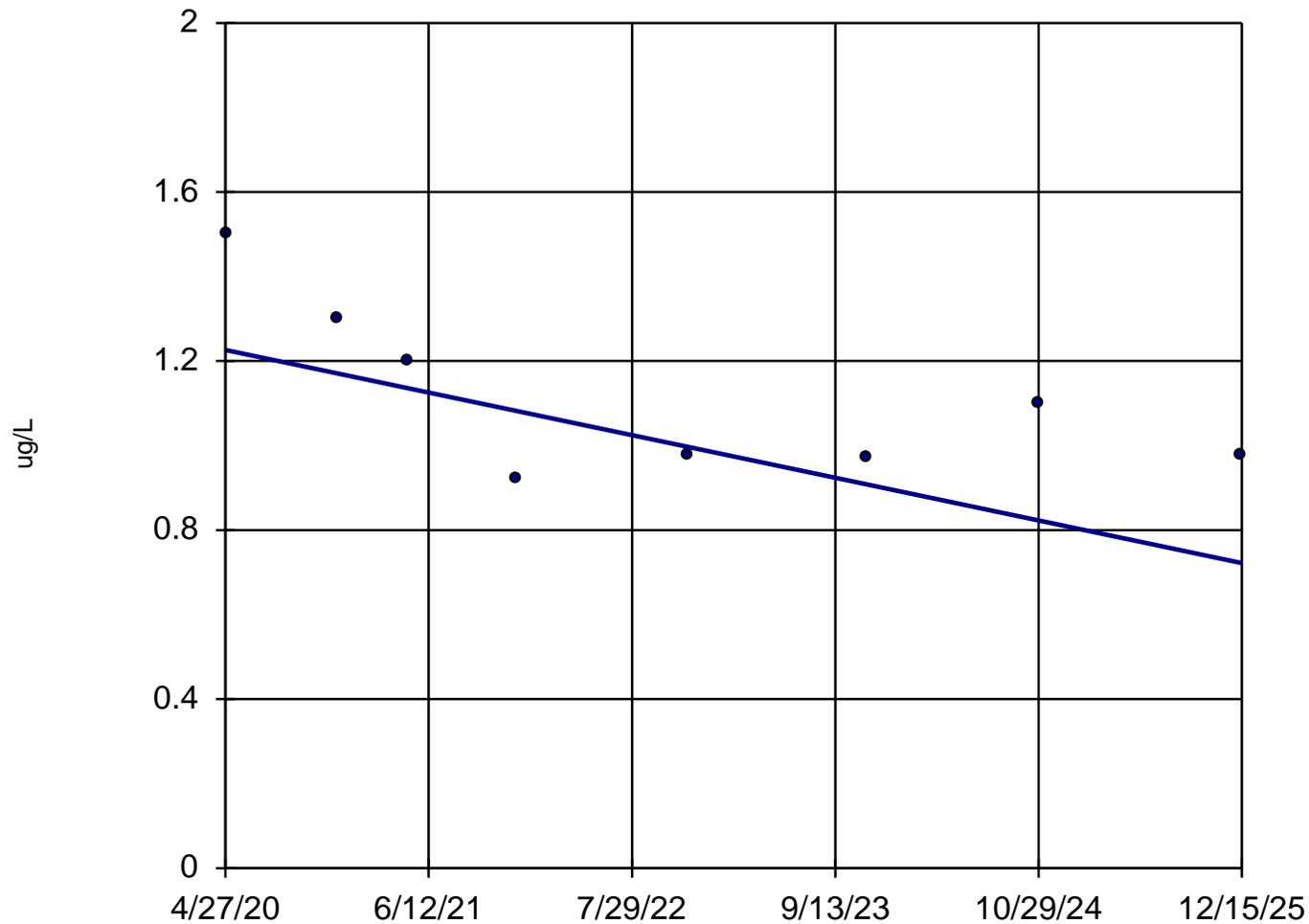
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-060



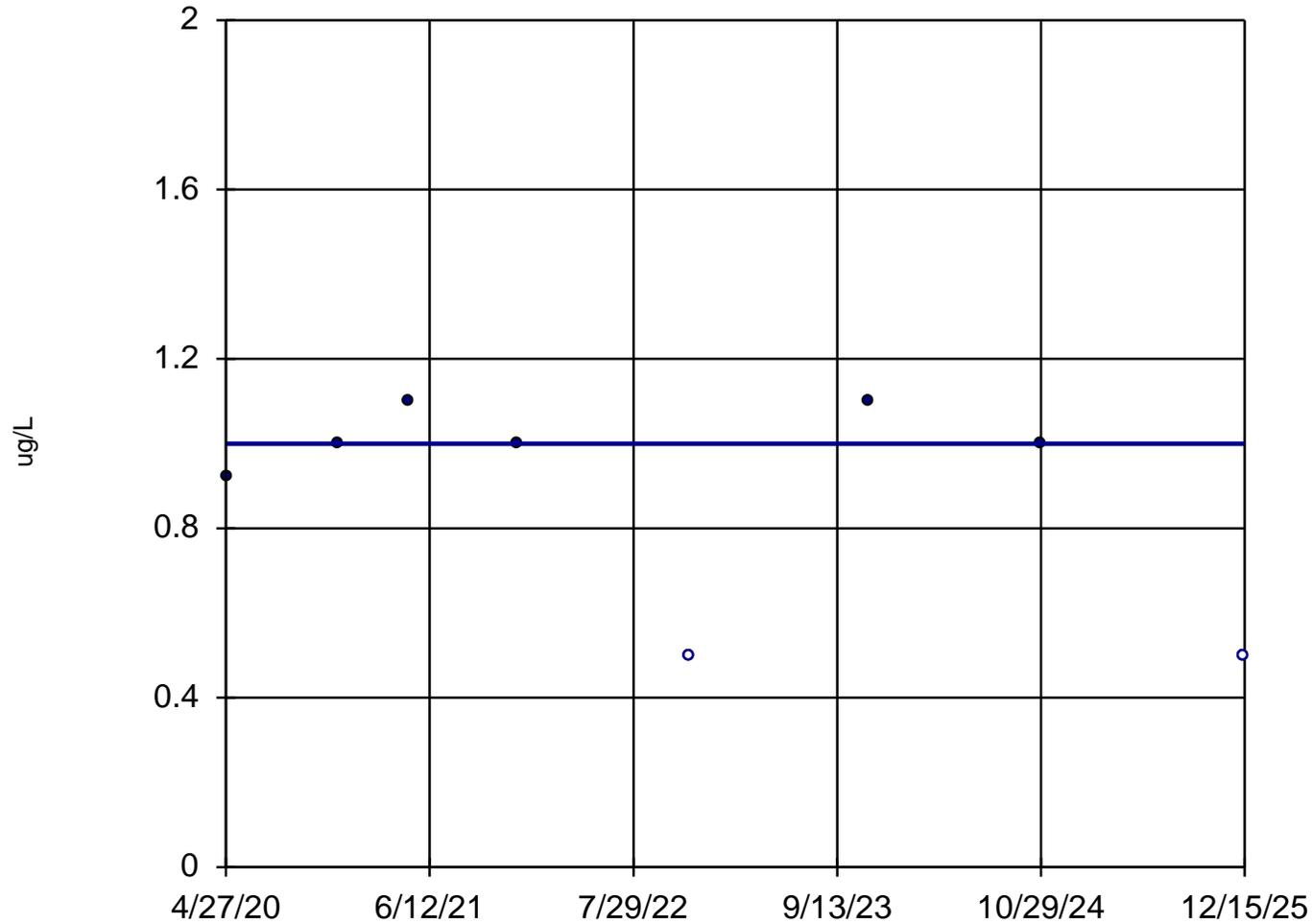
n = 8
Slope = -0.08951
units per year.
Mann-Kendall
statistic = -13
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-35-135



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = -3
critical = -15

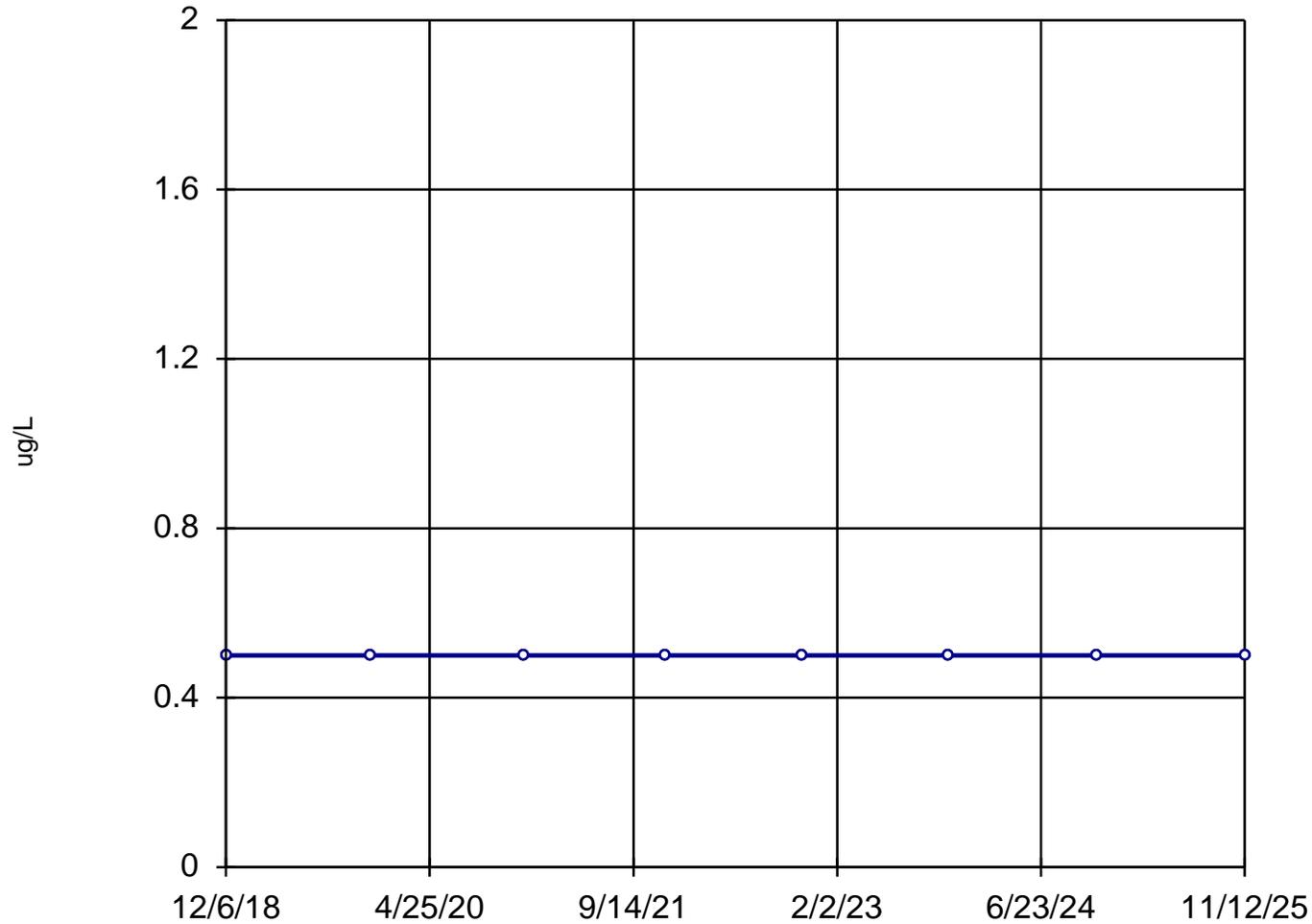
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-36-040



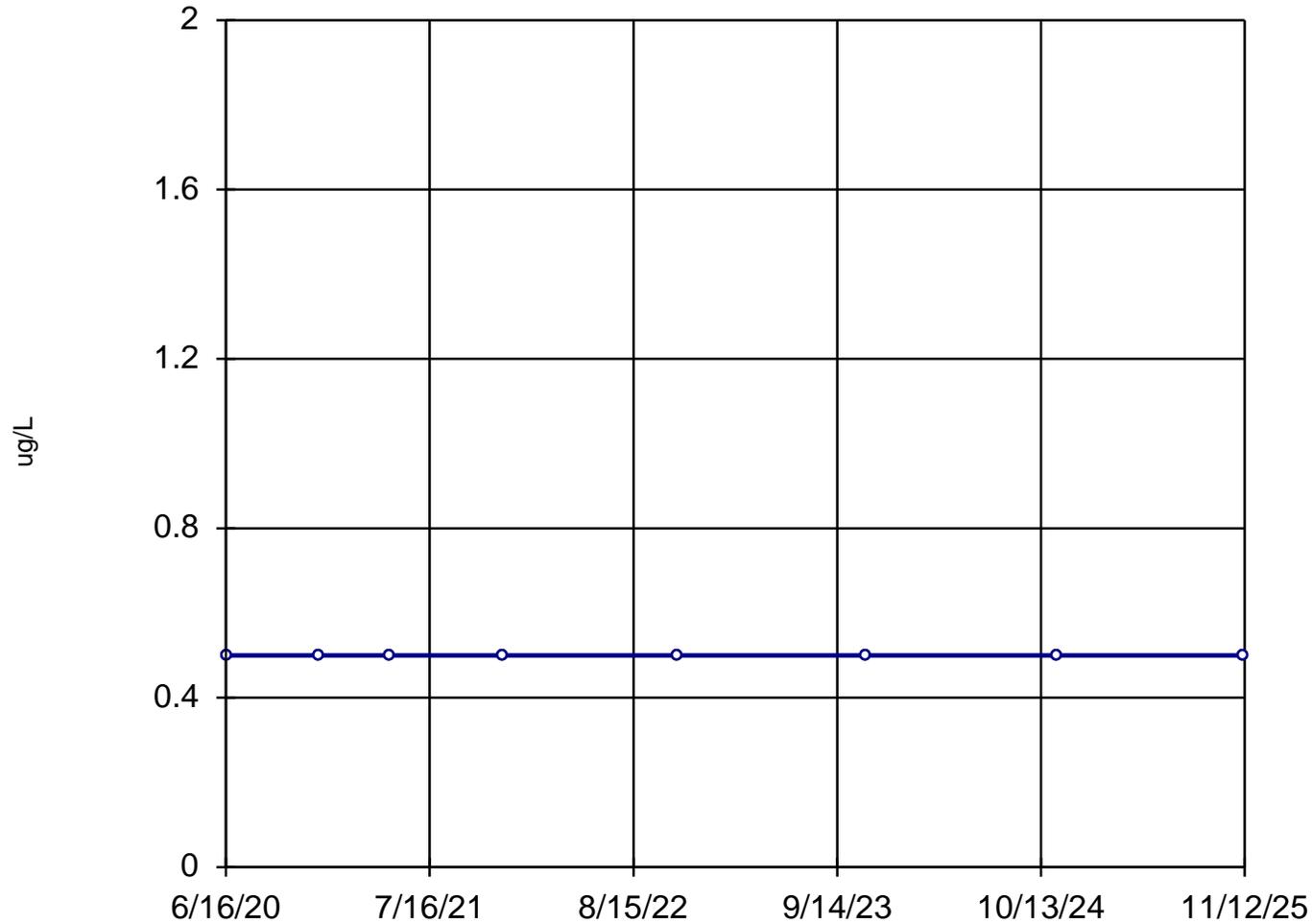
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-36-100



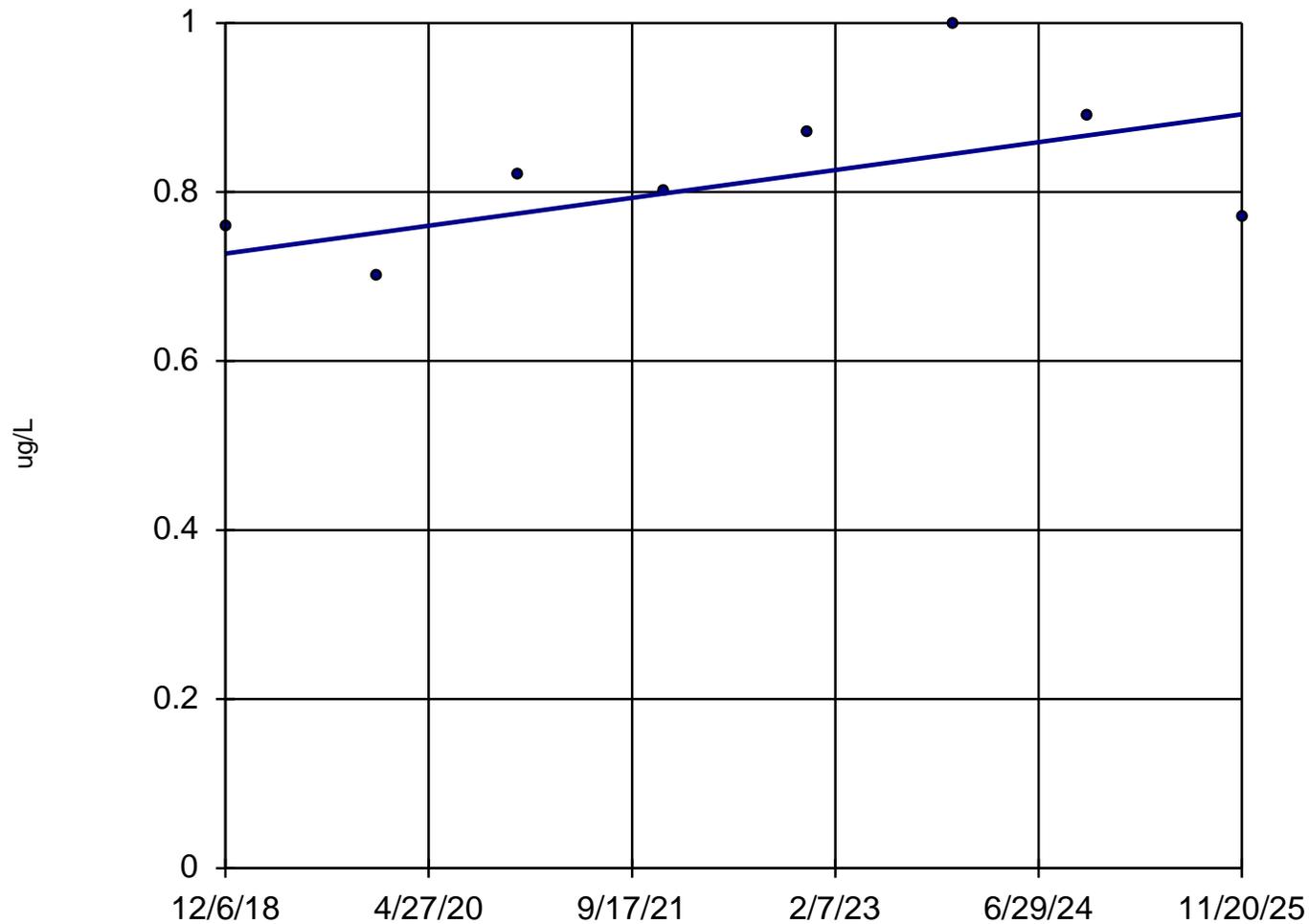
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:04 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-37S (bg)



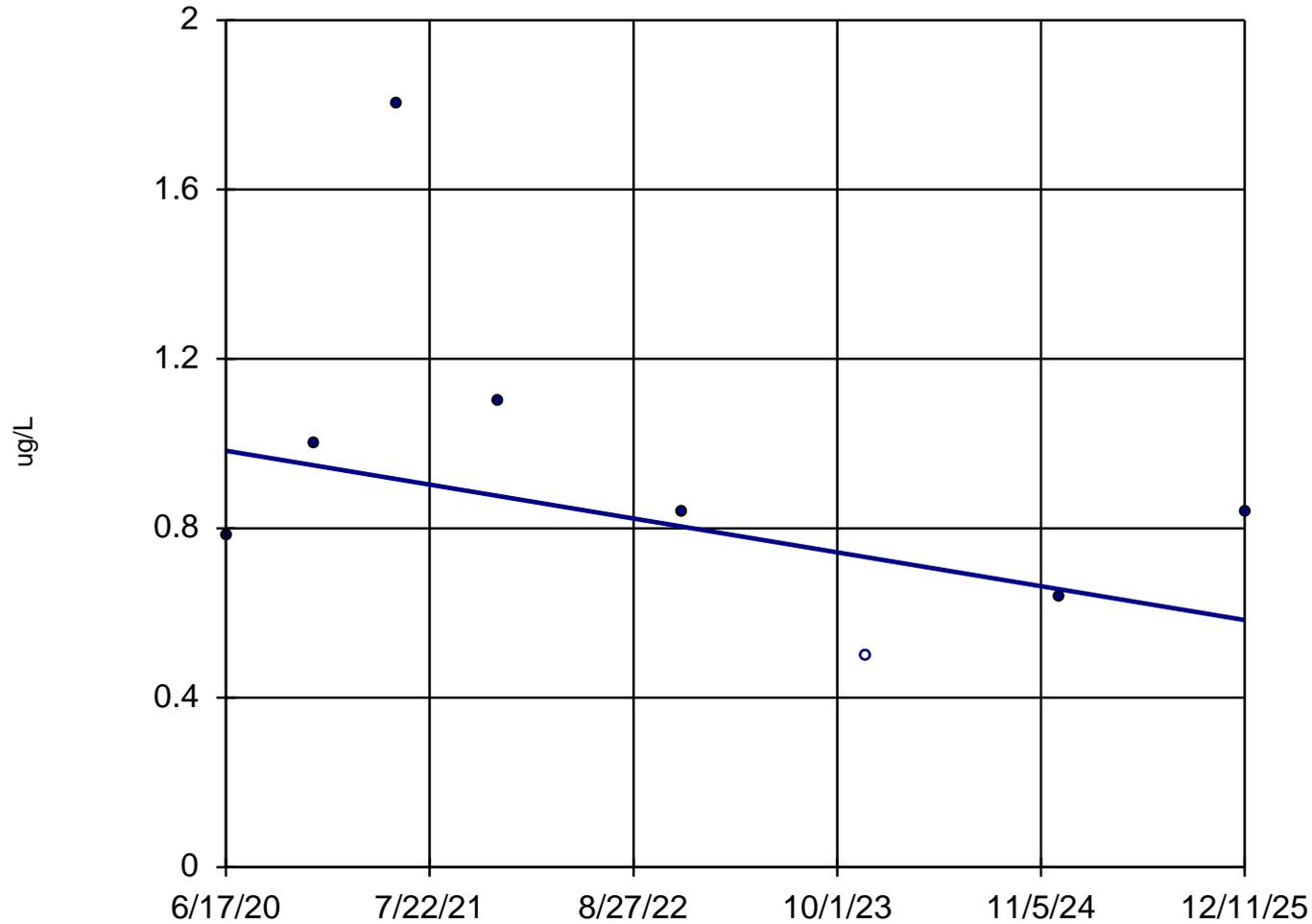
n = 8
Slope = 0.02367
units per year.
Mann-Kendall
statistic = 12
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40D (bg)



n = 8

Slope = -0.07287
units per year.

Mann-Kendall
statistic = -7
critical = -15

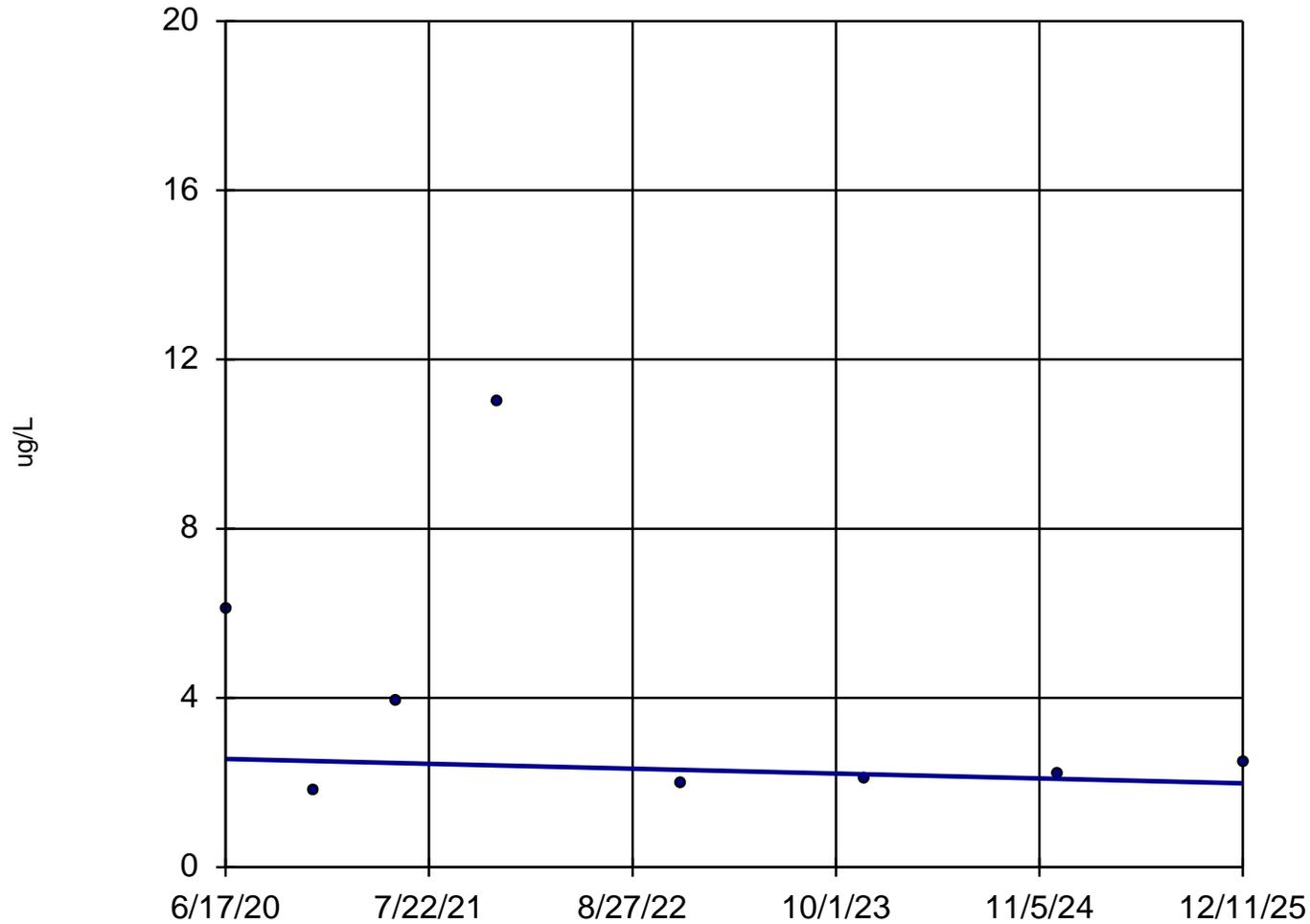
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-40S (bg)



n = 8

Slope = -0.1051
units per year.

Mann-Kendall
statistic = 0
critical = 15

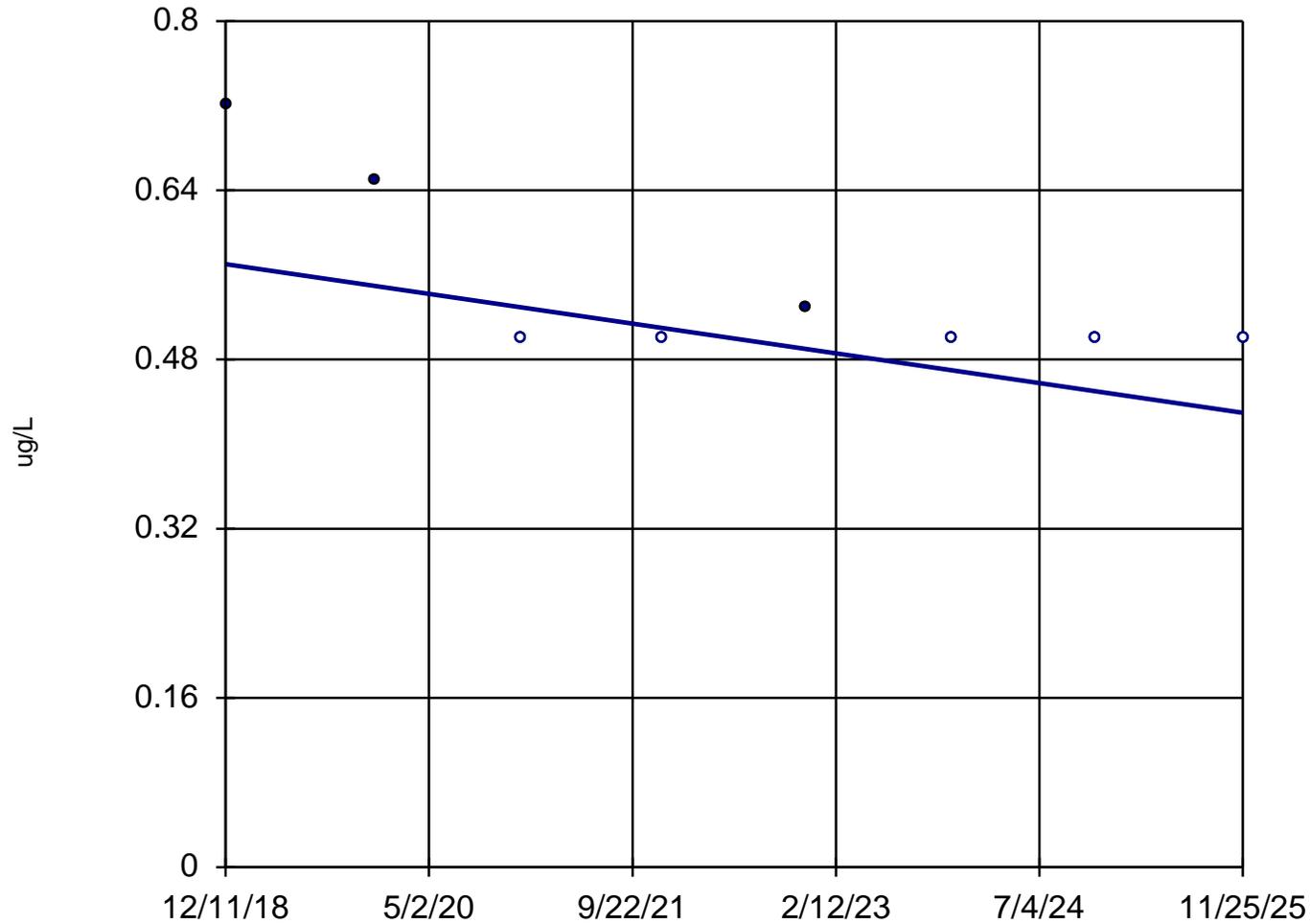
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41M (bg)



n = 8

Slope = -0.02019
units per year.

Mann-Kendall
statistic = -14
critical = -15

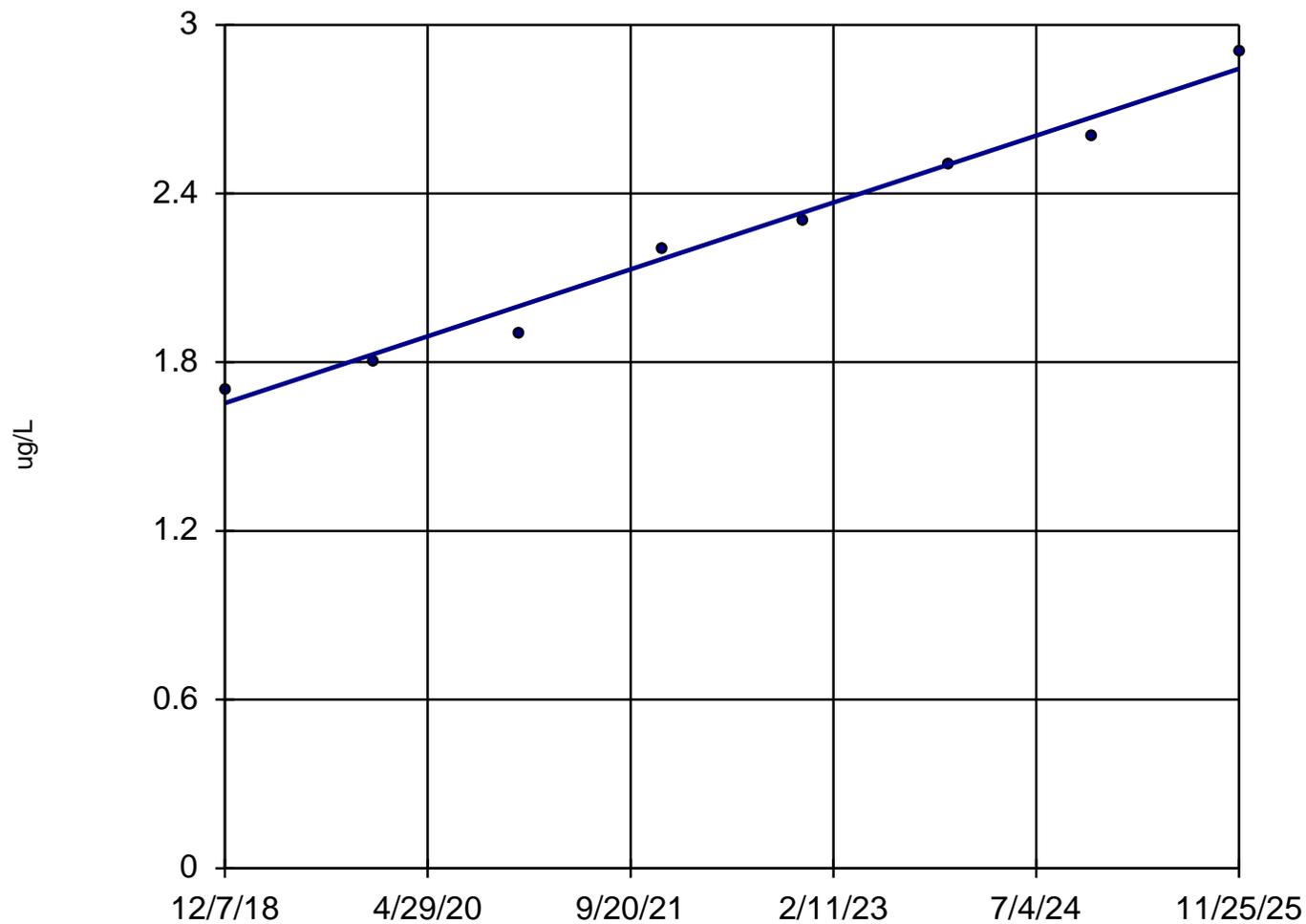
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-41S (bg)



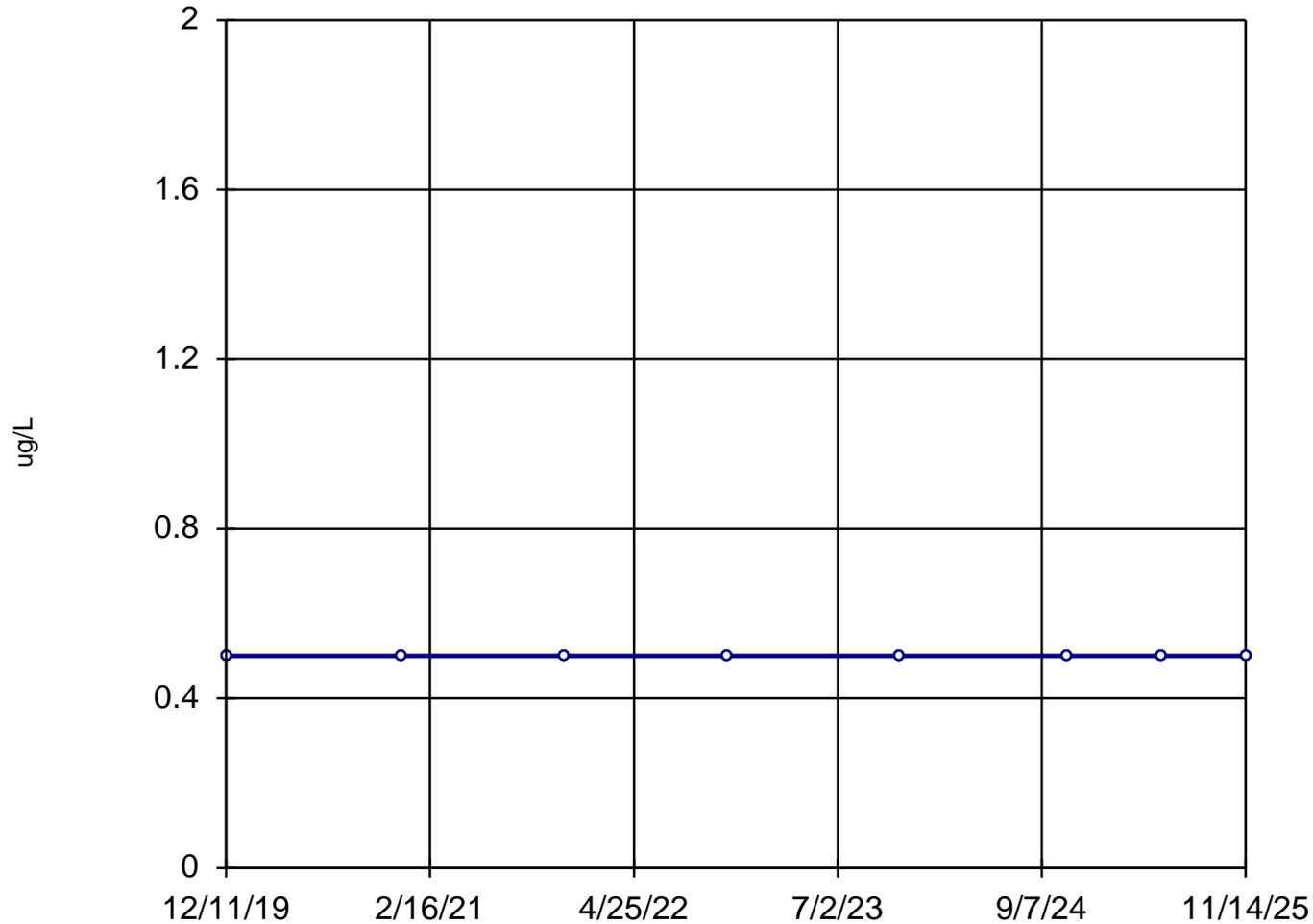
n = 8
Slope = 0.1706 units per year.
Mann-Kendall statistic = 28
critical = 15
Increasing trend significant at 90% confidence level ($\alpha = 0.05$ per tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-42-030



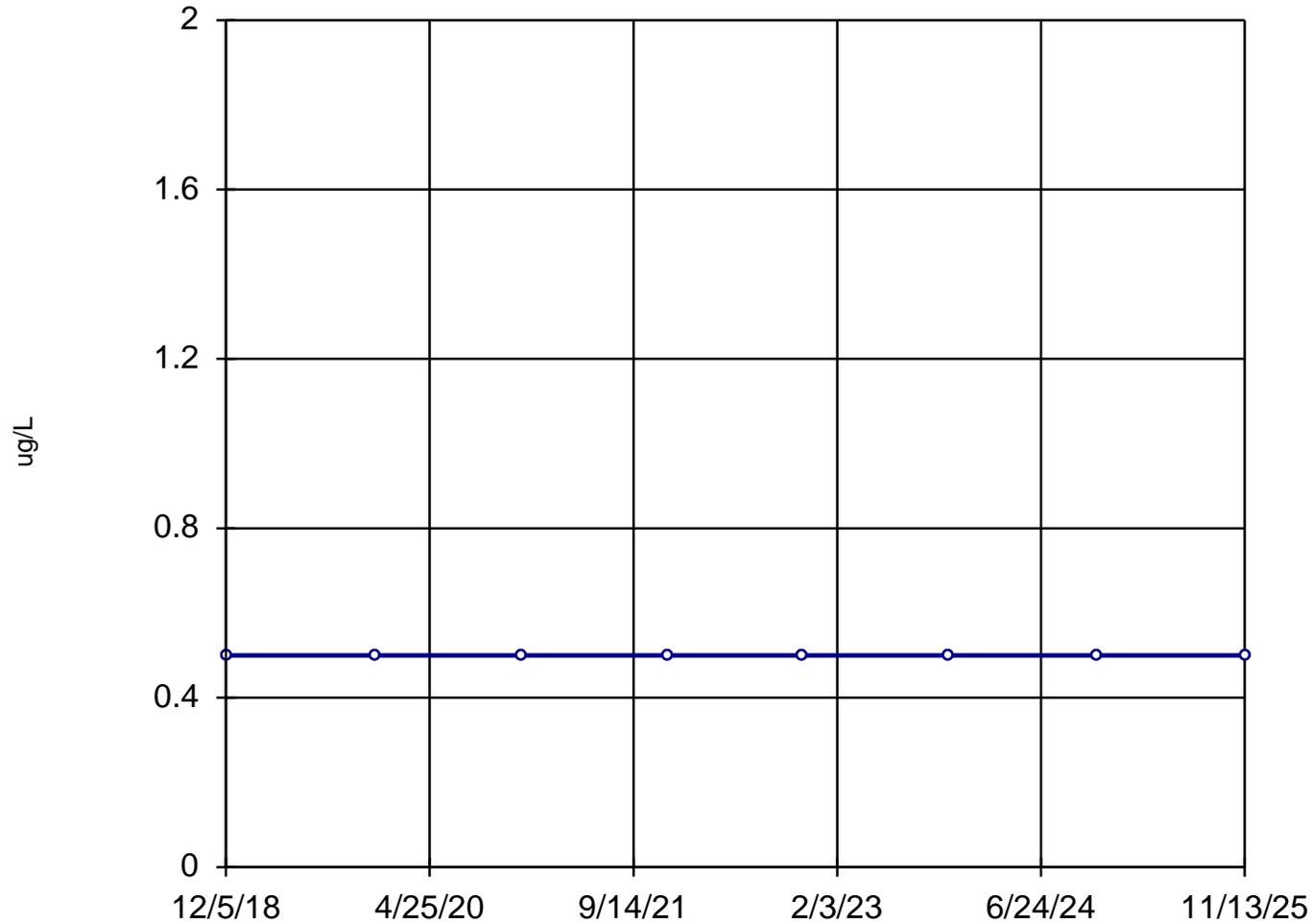
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-44-070



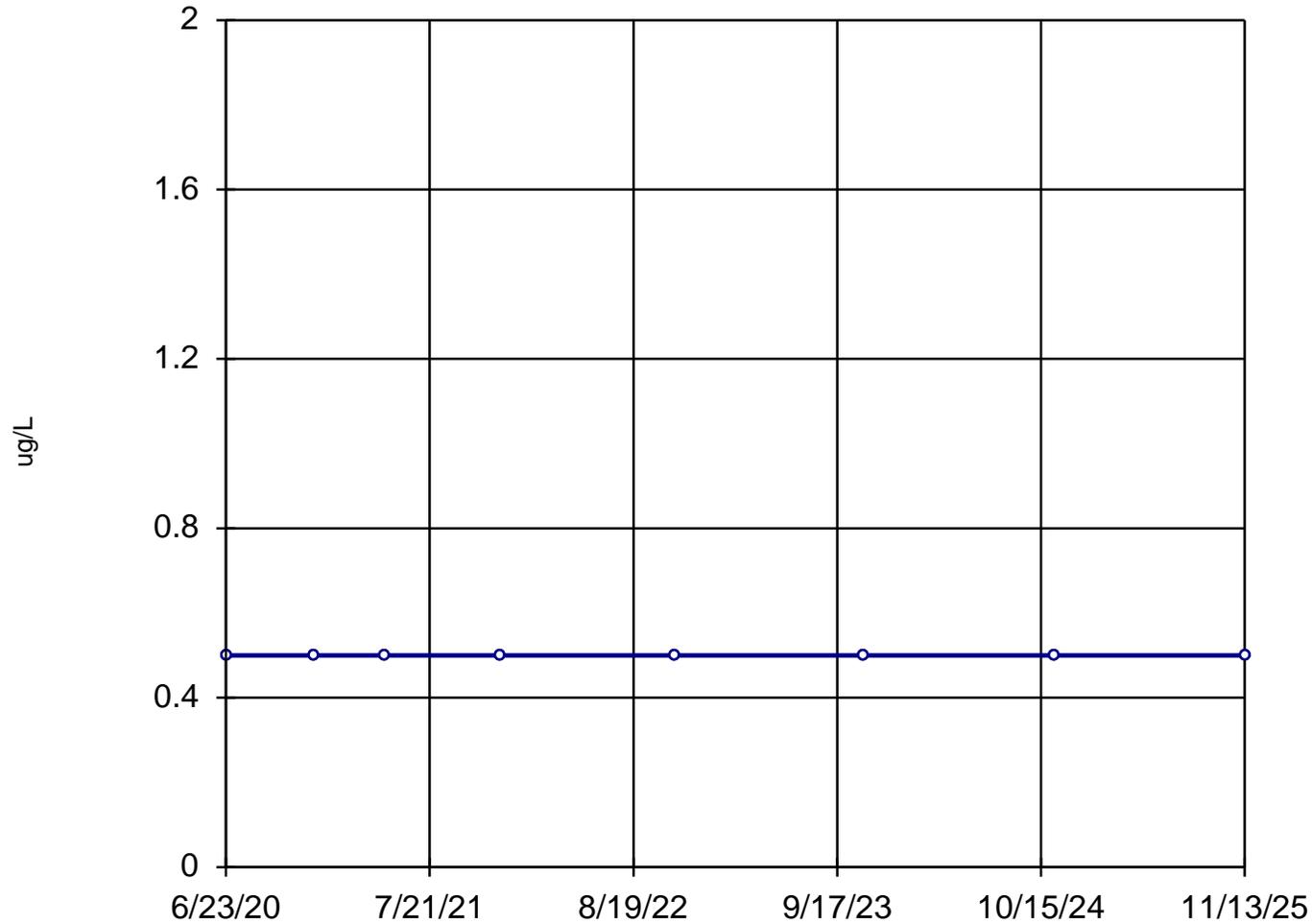
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-44-125



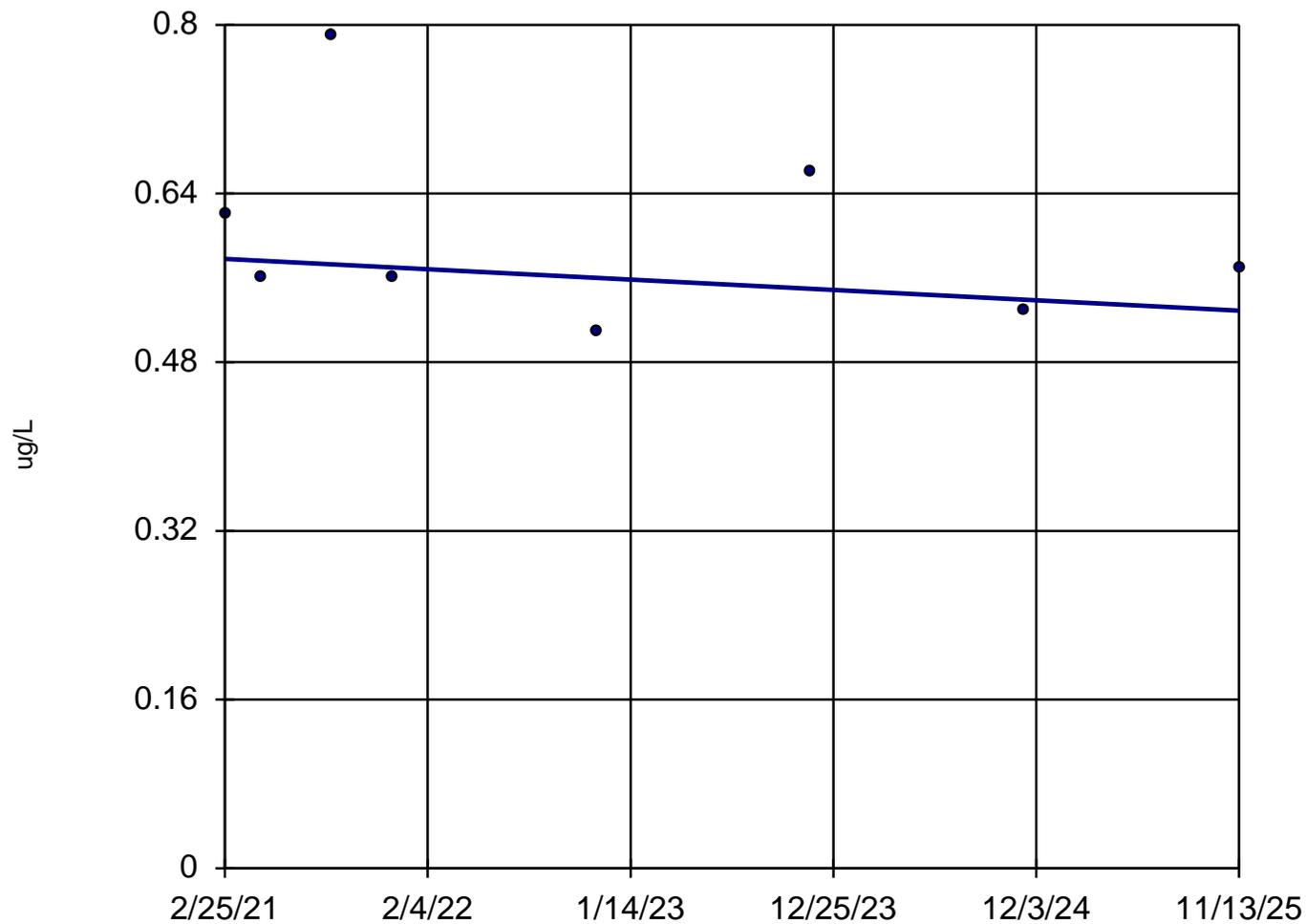
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-46-175



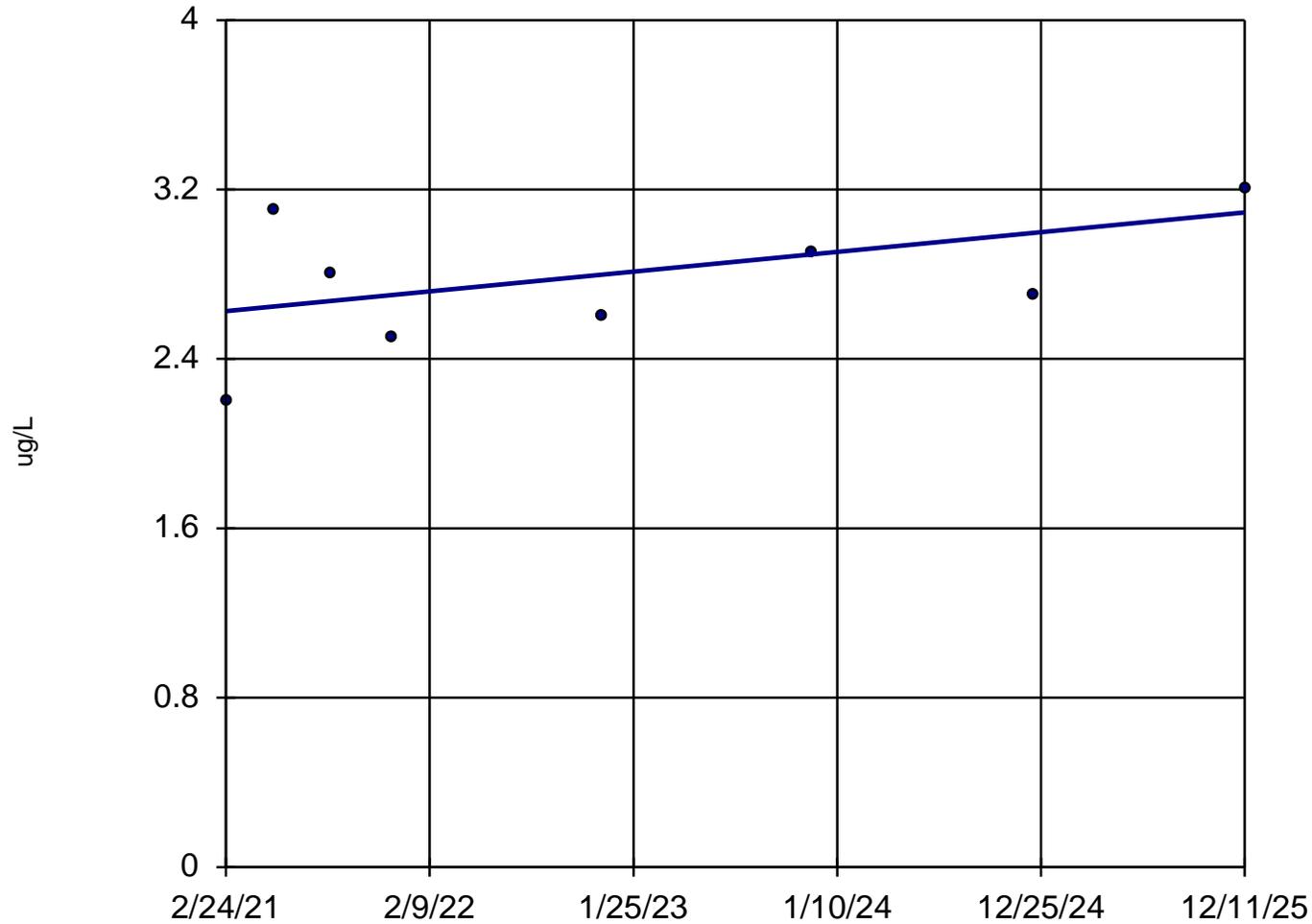
n = 8
Slope = -0.01042 units per year.
Mann-Kendall statistic = -5
critical = -15
Trend not significant at 90% confidence level ($\alpha = 0.05$ per tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-183 (bg)



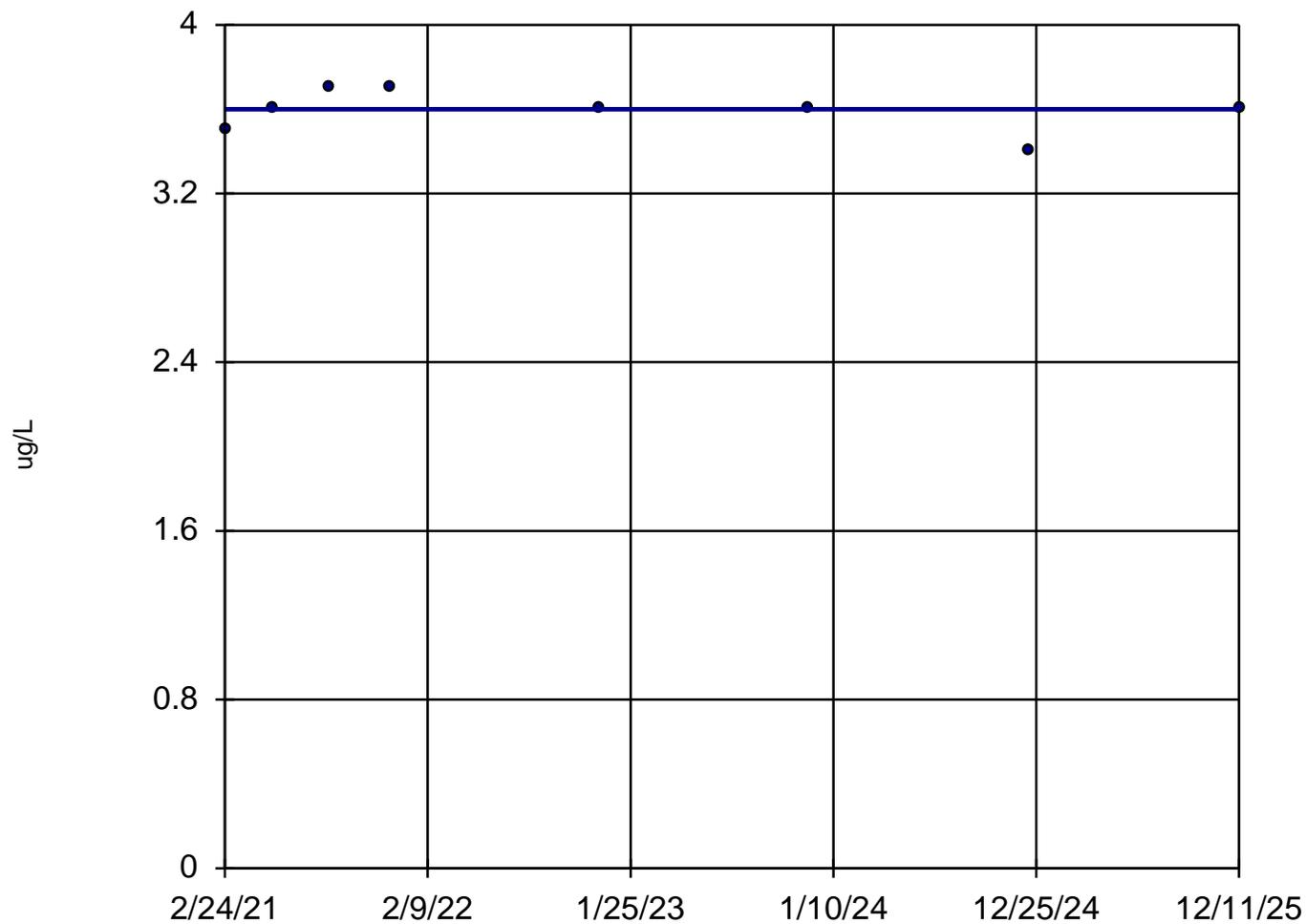
n = 8
Slope = 0.09722
units per year.
Mann-Kendall
statistic = 10
critical = 15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-89-273 (bg)



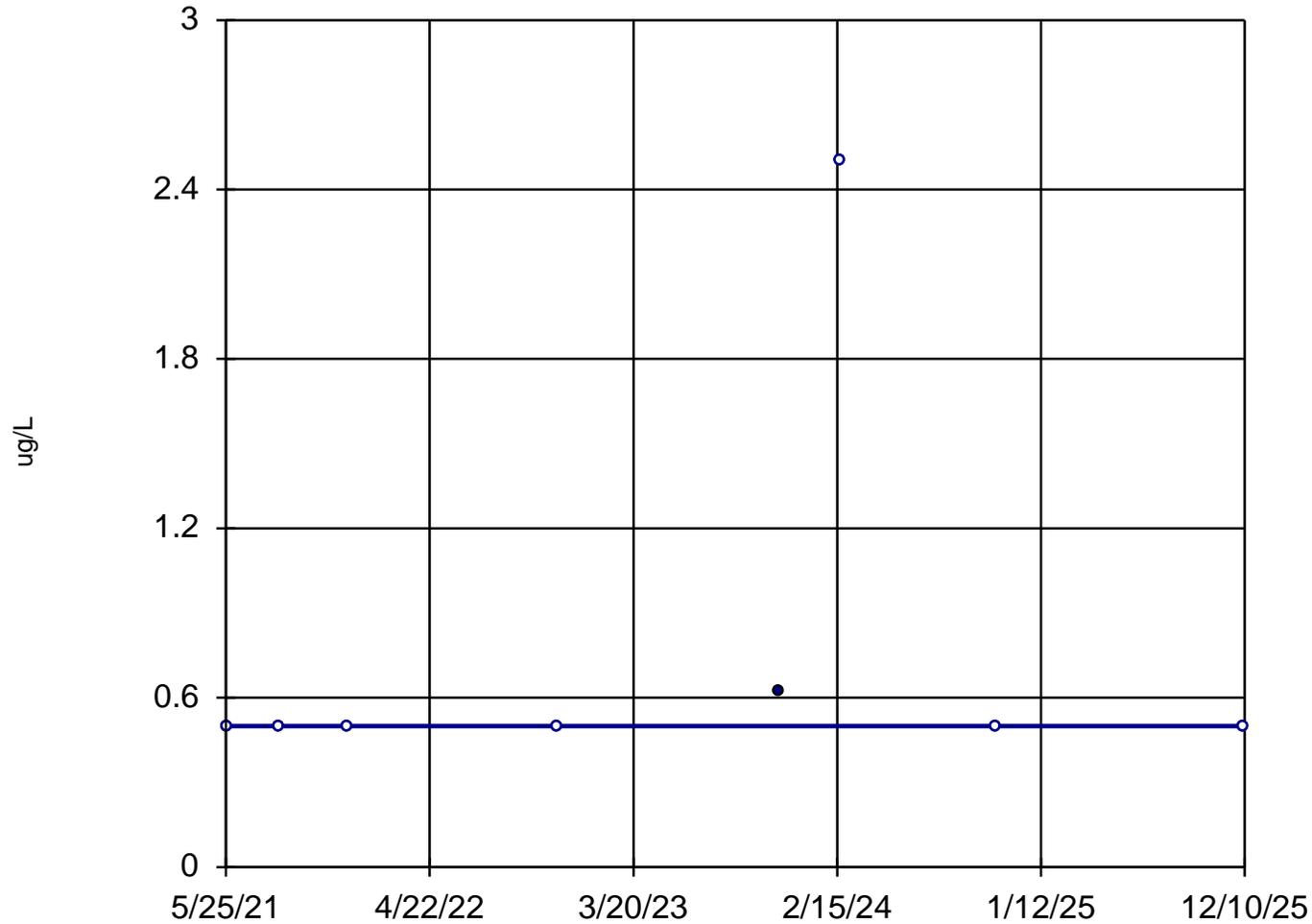
n = 8
Slope = 0
units per year.
Mann-Kendall
statistic = -3
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-90-031



n = 8

Slope = 0
units per year.

Mann-Kendall
statistic = 5
critical = 15

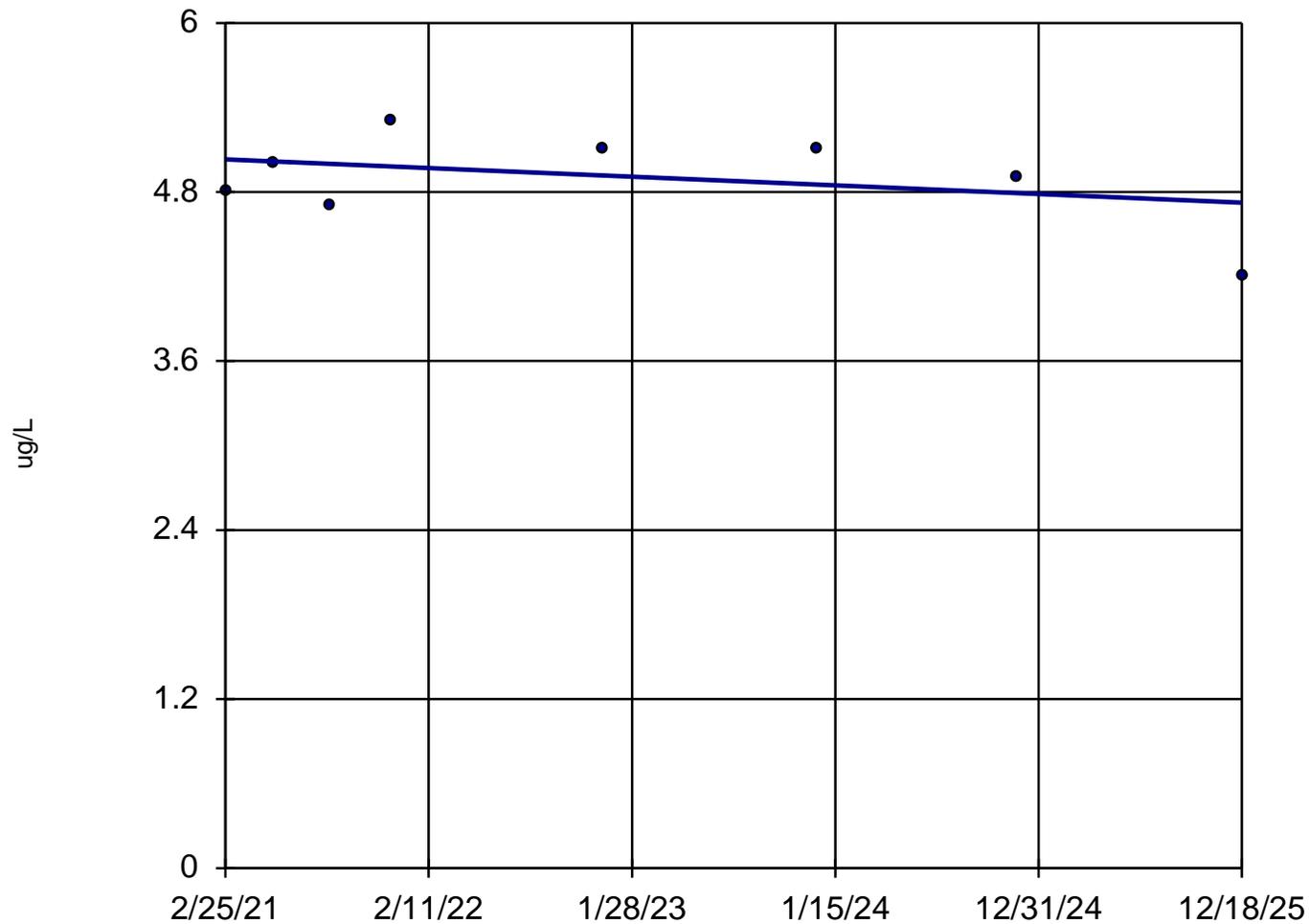
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-113 (bg)



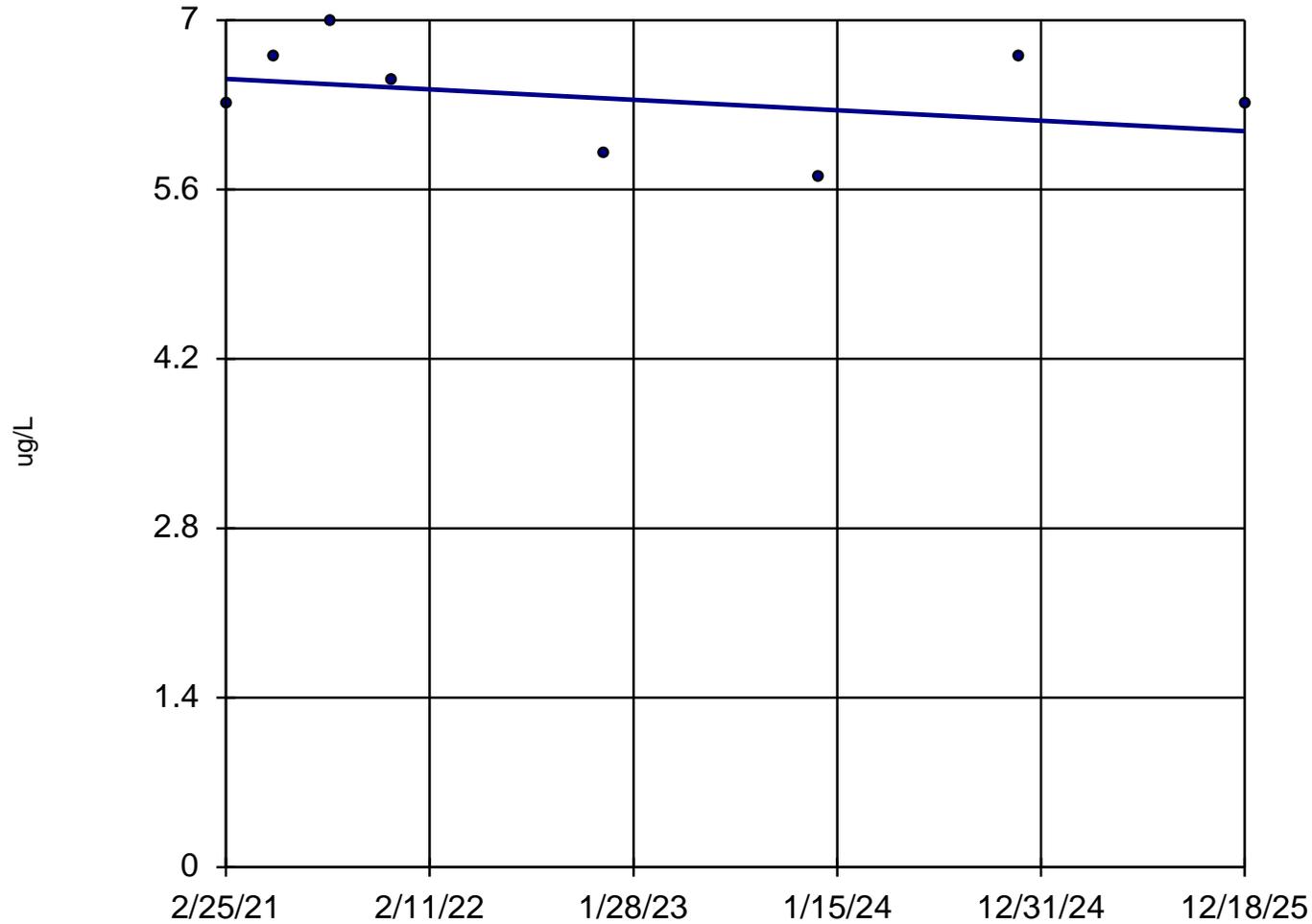
n = 8
Slope = -0.06378
units per year.
Mann-Kendall
statistic = -3
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Sen's Slope Estimator

MW-95-157 (bg)



n = 8
Slope = -0.08969
units per year.
Mann-Kendall
statistic = -6
critical = -15
Trend not sig-
nificant at 90%
confidence level
($\alpha = 0.05$ per
tail).

Constituent: Selenium, dissolved Analysis Run 2/18/2026 4:05 PM

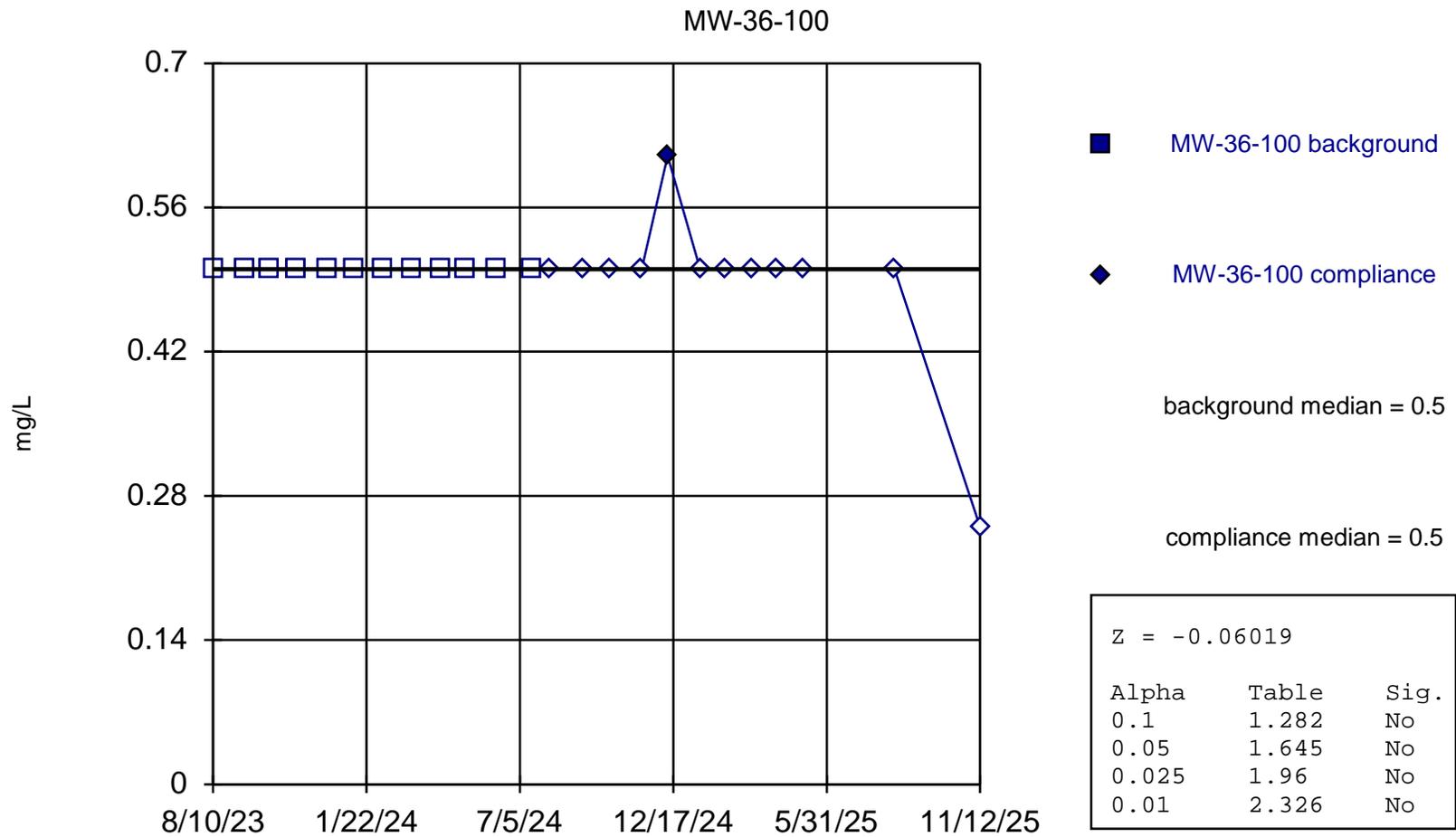
Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Welch's t-test/Mann-Whitney

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset Printed 3/3/2026, 11:46 AM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.1</u>	<u>0.05</u>	<u>0.025</u>	<u>0.01</u>	<u>Alpha</u>	<u>Sig.</u>	<u>Method</u>
Nitrate [as nitrogen] (mg/L)	MW-36-100	-0.06019	No	No	No	No	0.01	No	Mann-W
Nitrate [as nitrogen] (mg/L)	MW-46-175	0.6122	No	No	No	No	0.01	No	Mann-W
Nitrate [as nitrogen] (mg/L)	MW-71-035	2.122	Yes	Yes	Yes	No	0.01	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)

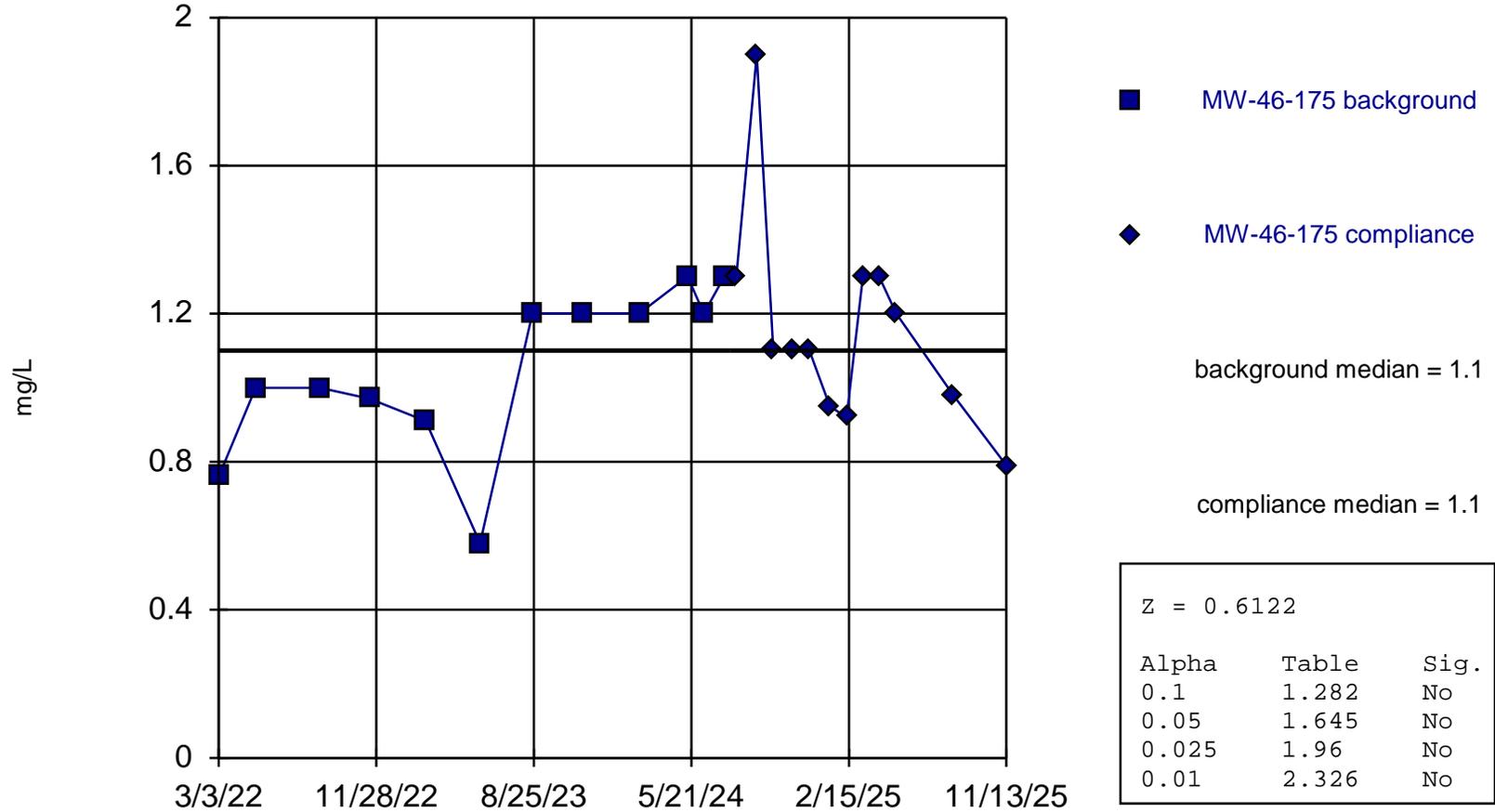


Constituent: Nitrate [as nitrogen] Analysis Run 3/3/2026 11:44 AM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Mann-Whitney (Wilcoxon Rank Sum)

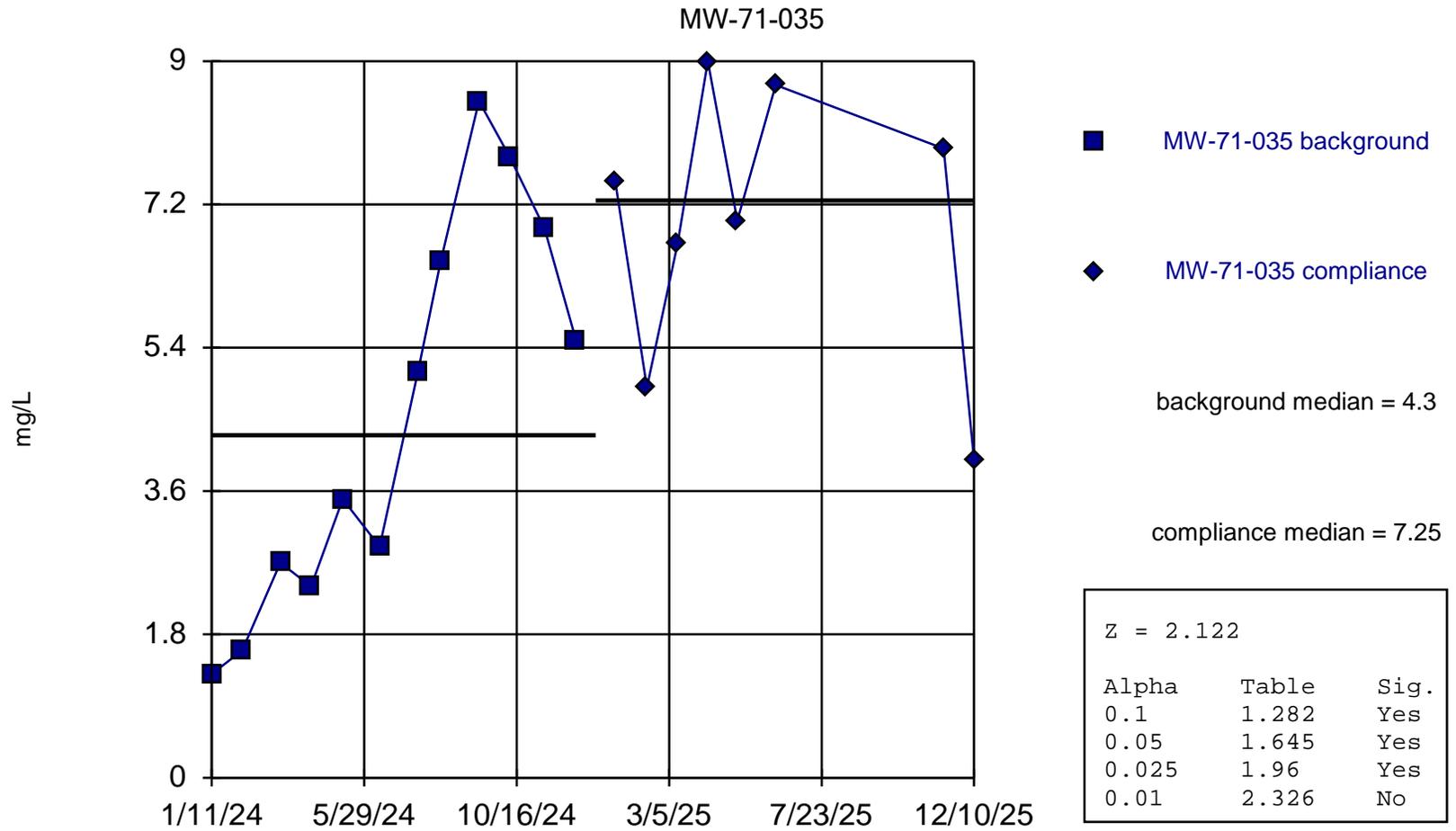
MW-46-175



Constituent: Nitrate [as nitrogen] Analysis Run 3/3/2026 11:44 AM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Nitrate [as nitrogen] Analysis Run 3/3/2026 11:44 AM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

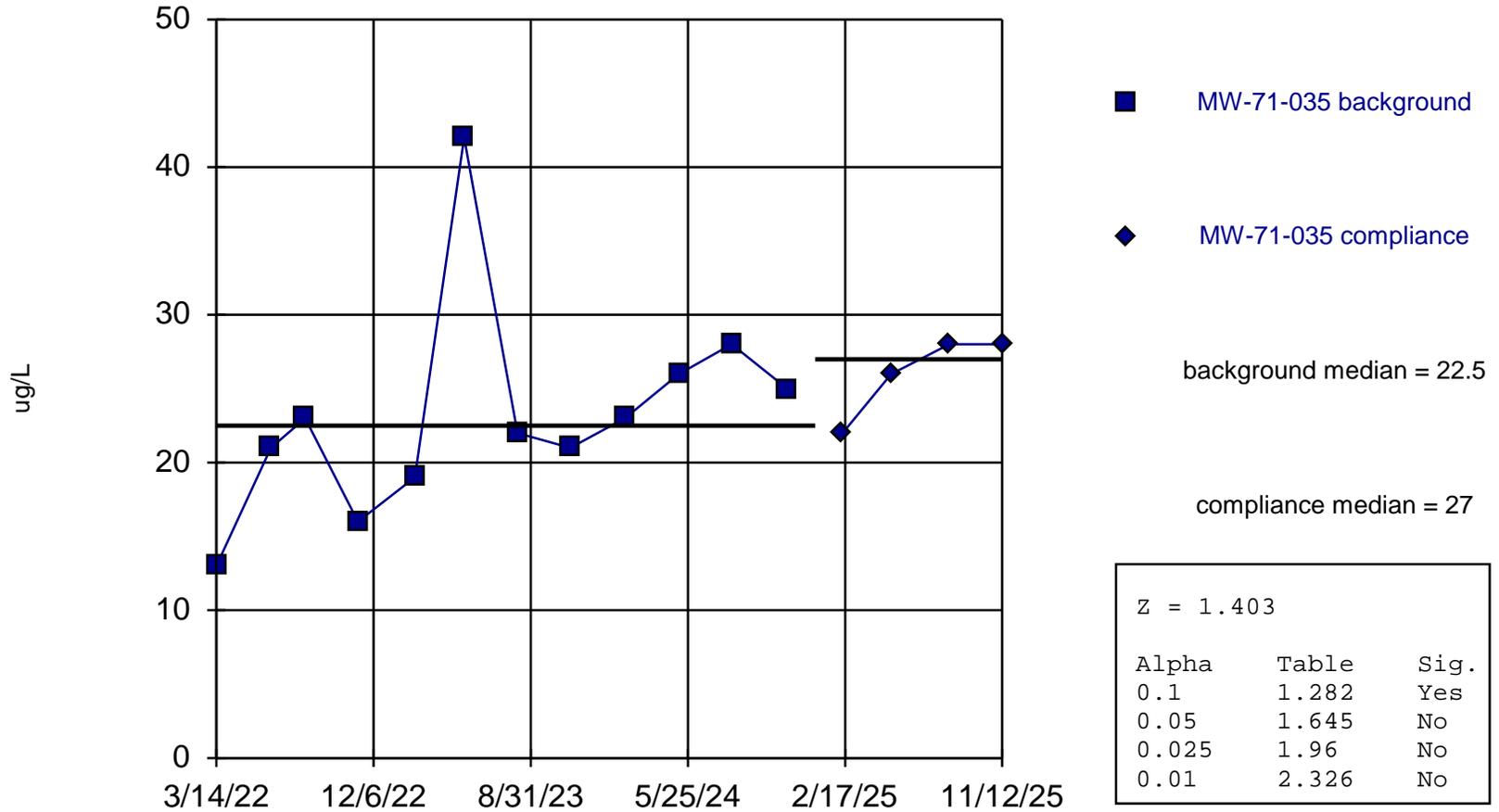
Welch's t-test/Mann-Whitney

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset Printed 2/18/2026, 2:38 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.1</u>	<u>0.05</u>	<u>0.025</u>	<u>0.01</u>	<u>Alpha</u>	<u>Sig.</u>	<u>Method</u>
Molybdenum, dissolved (ug/L)	MW-71-035	1.403	Yes	No	No	No	0.01	No	Mann-W
Nitrate [as nitrogen] (mg/L)	MW-27-060	-0.1054	No	No	No	No	0.01	No	Mann-W
Nitrate [as nitrogen] (mg/L)	MW-34-055	-0.1054	No	No	No	No	0.01	No	Mann-W
Nitrate [as nitrogen] (mg/L)	MW-36-040	1.293	Yes	No	No	No	0.01	No	Mann-W
Nitrate [as nitrogen] (mg/L)	MW-44-070	1.976	Yes	Yes	Yes	No	0.01	No	Mann-W
Nitrate [as nitrogen] (mg/L)	MW-90-031	-0.9487	No	No	No	No	0.01	No	Mann-W
Selenium, dissolved (ug/L)	MW-71-035	2.365	Yes	Yes	Yes	Yes	0.01	Yes	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)

MW-71-035

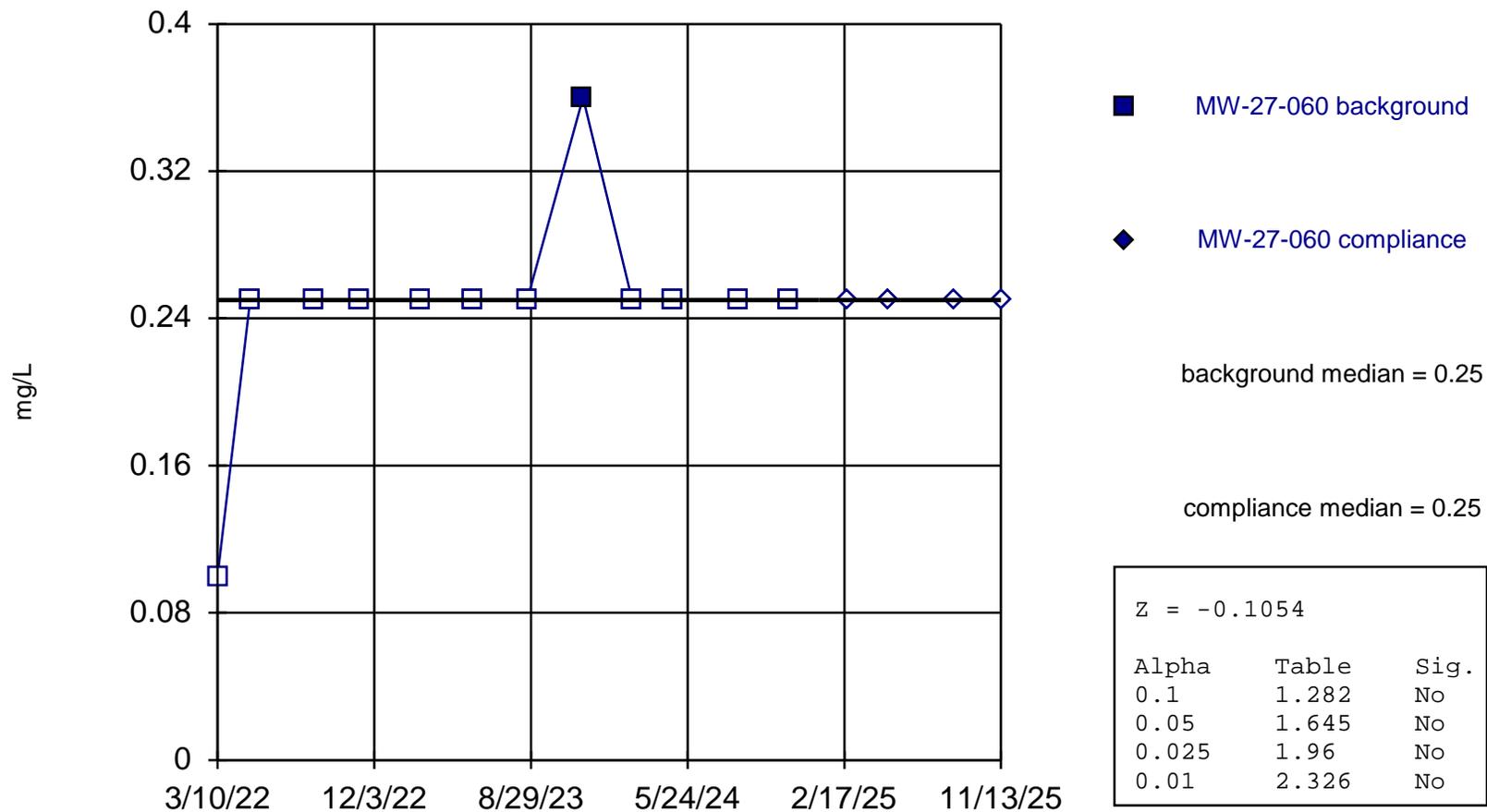


Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 2:38 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Mann-Whitney (Wilcoxon Rank Sum)

MW-27-060

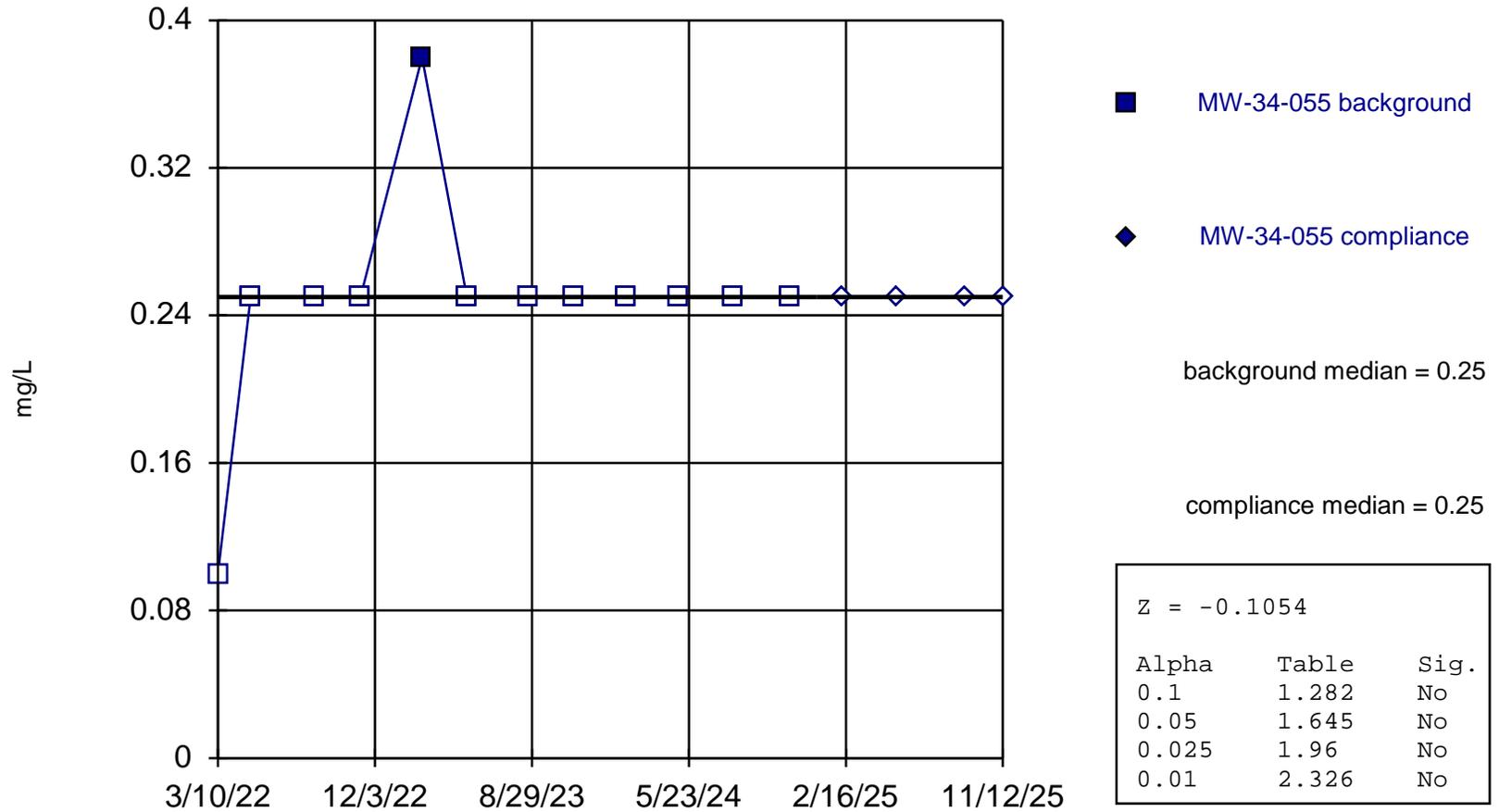


Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 2:38 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Mann-Whitney (Wilcoxon Rank Sum)

MW-34-055

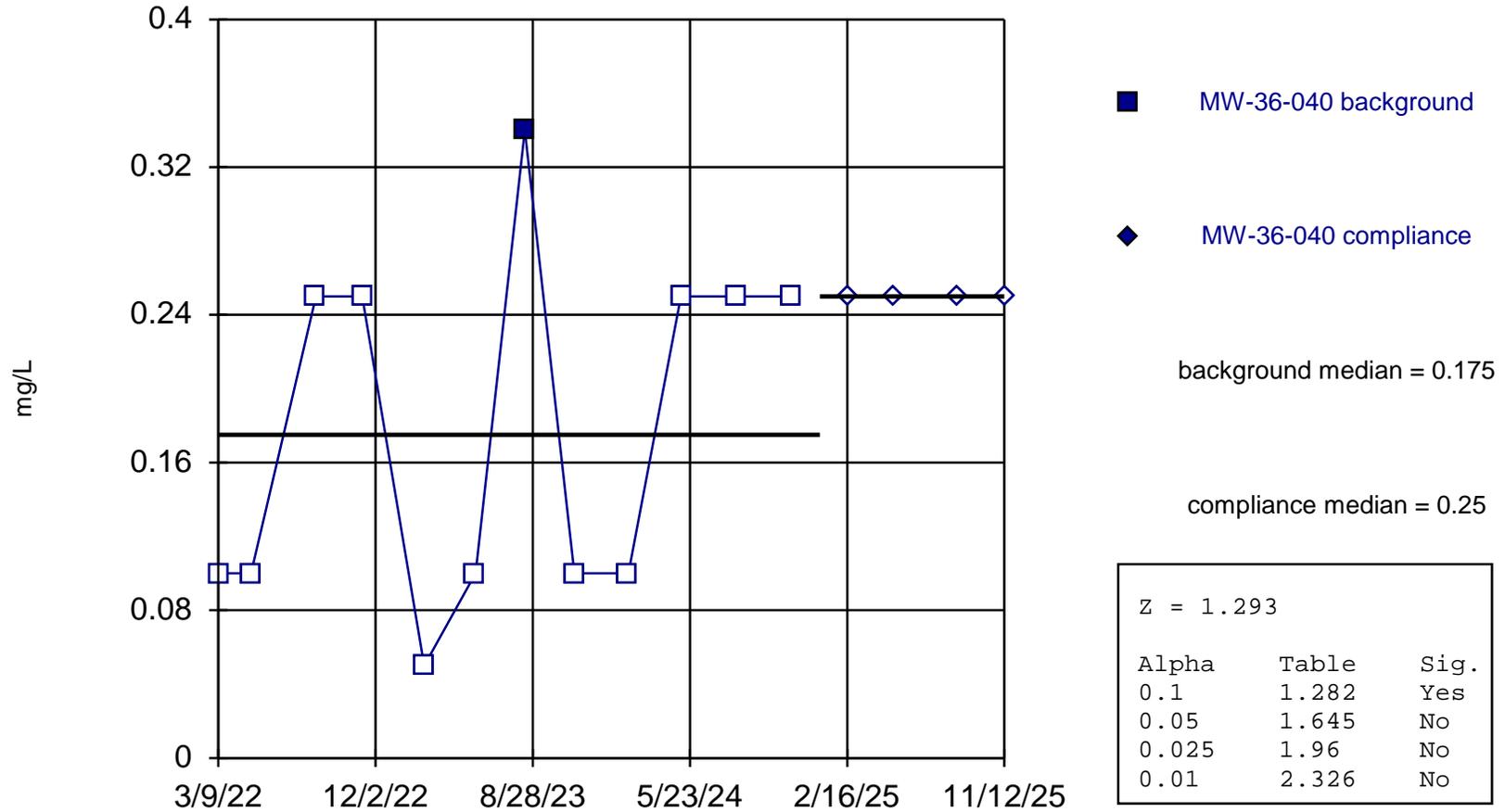


Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 2:38 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Mann-Whitney (Wilcoxon Rank Sum)

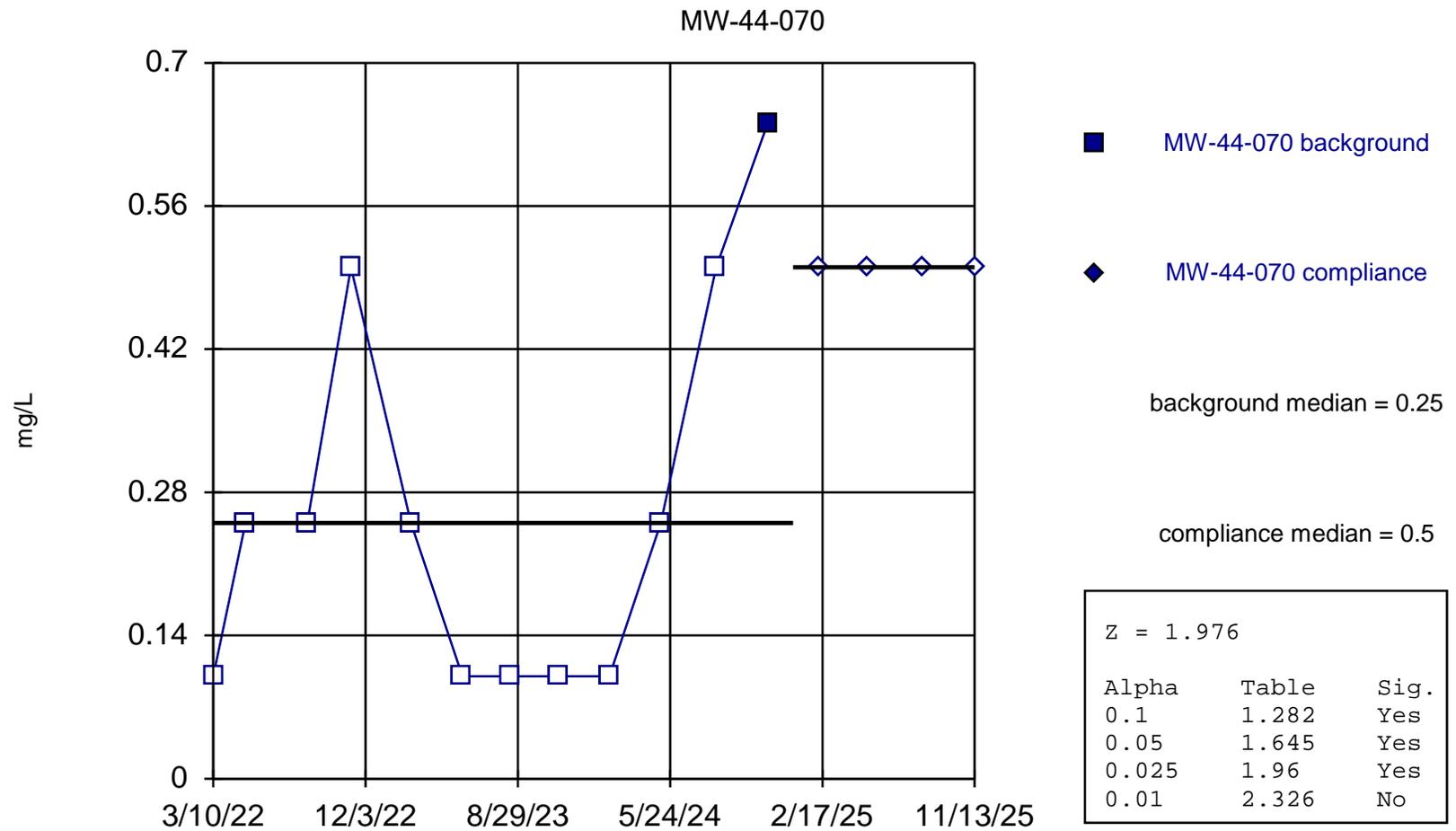
MW-36-040



Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 2:38 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Mann-Whitney (Wilcoxon Rank Sum)

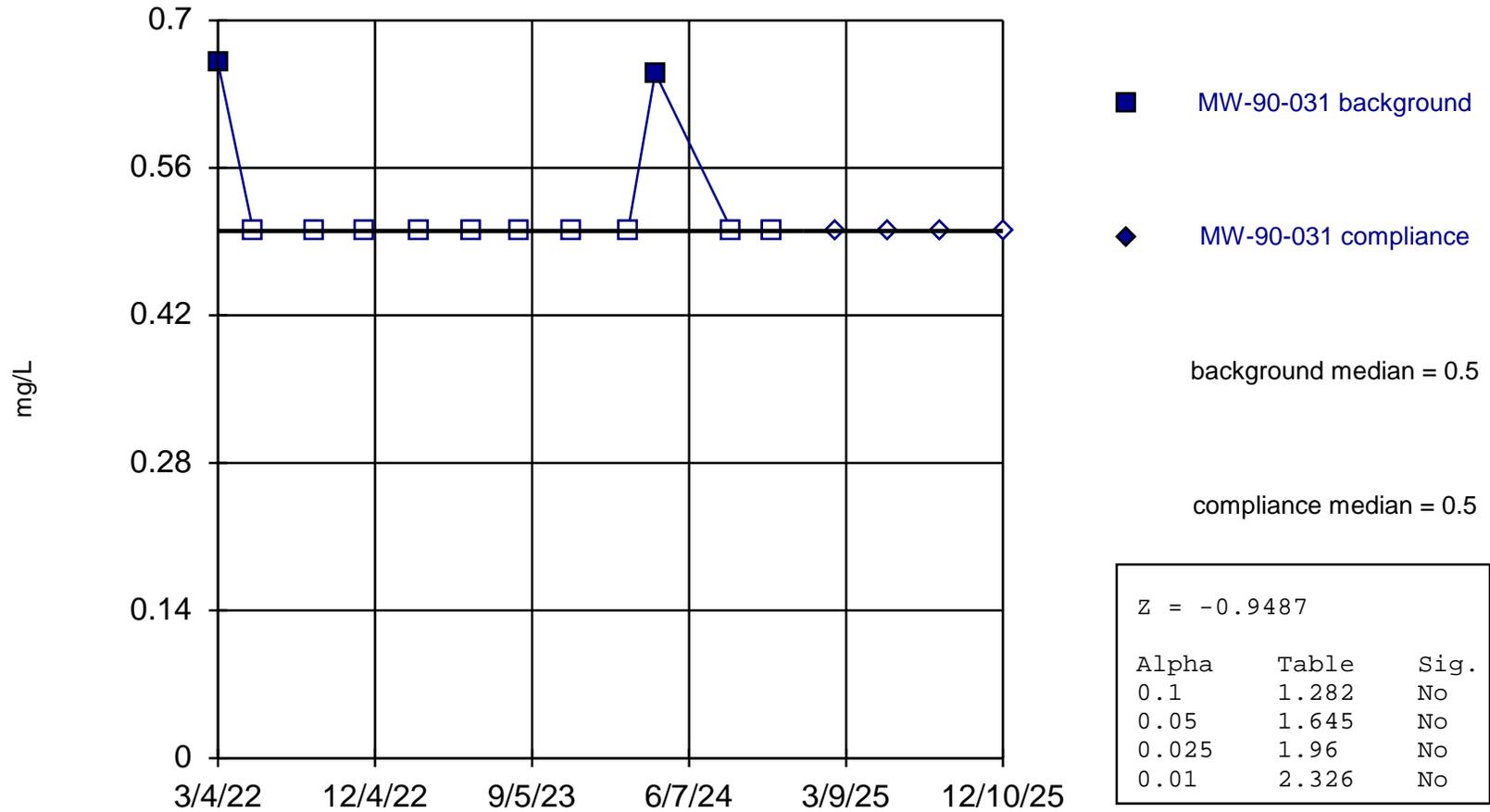


Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 2:38 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Mann-Whitney (Wilcoxon Rank Sum)

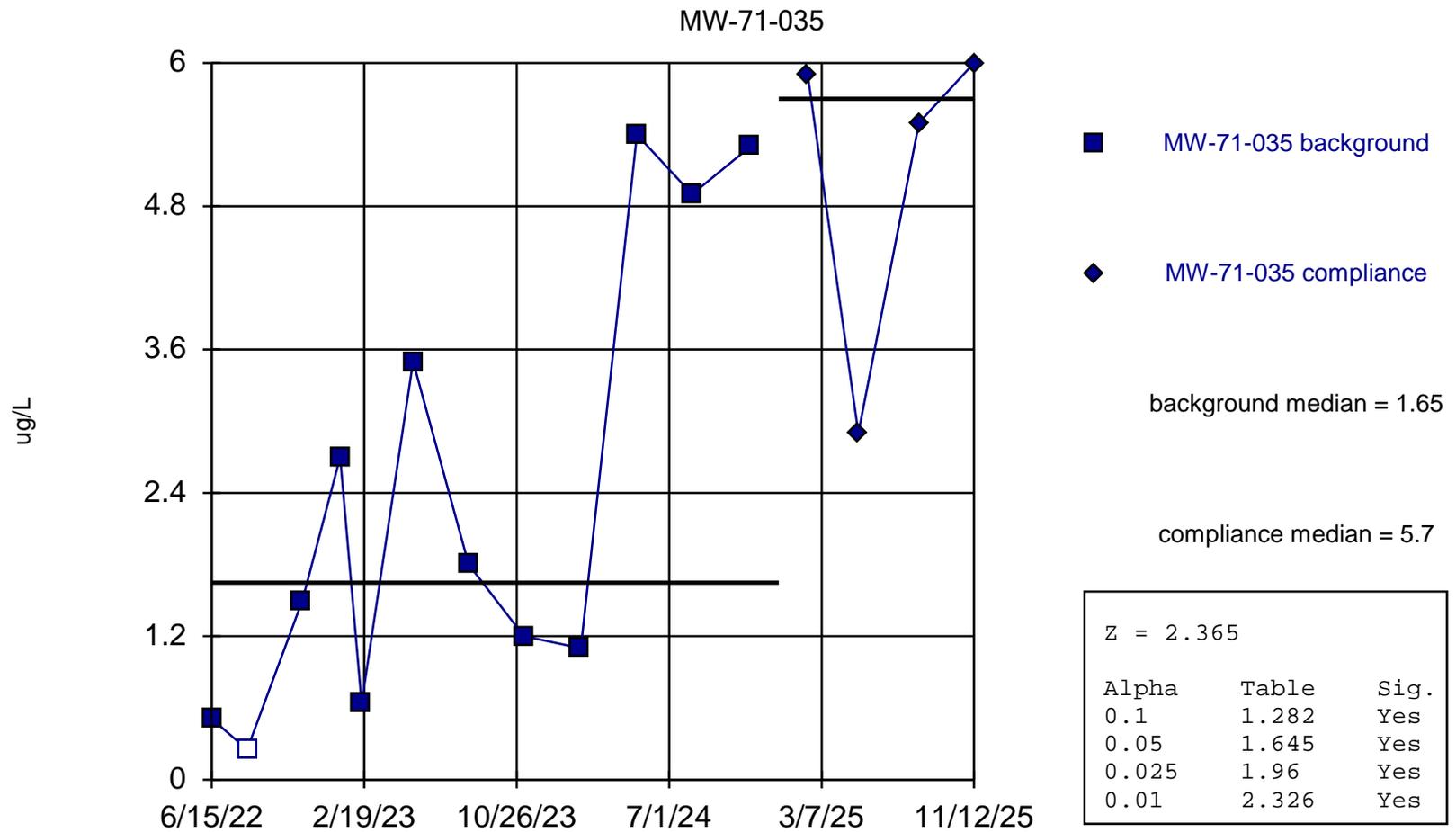
MW-90-031



Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 2:38 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Selenium, dissolved Analysis Run 2/18/2026 2:38 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Shewhart-Cusum Control Chart / Rank Sum

Topcock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset Printed 2/18/2026, 5:50 PM

<u>Constituent</u>	<u>Well</u>	<u>SCL</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Method</u>
Molybdenum, dissolved (ug/L)	MW-14 (bg)	18.72	8	9.95	1.755	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-22	102.5	8	43	11.89	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-23-060	40.26	8	24	3.251	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-23-080	78.47	8	46.63	6.368	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-27-060	8.444	8	4.75	0.7387	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-27-085	43.25	8	21.25	4.4	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-32-035	23.65	8	11.13	2.504	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-33-040	1536	8	5.967	1.114	0	None	x^(1/3)	Param Intra
Molybdenum, dissolved (ug/L)	MW-33-090	14.9	8	8.813	1.218	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-33-150	61.18	8	41	4.036	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-34-055	7.049	8	4.6	0.4899	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-34-100	85.82	8	56.13	5.939	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-35-135	24.33	8	4.7e7	3.2e7	0	None	x^6	Param Intra
Molybdenum, dissolved (ug/L)	MW-36-040	7.617	8	3.663	0.7909	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-36-100	32.24	8	17.38	2.973	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-37S (bg)	22.05	8	13.63	1.685	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-40D (bg)	75.7	8	35.13	8.114	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-41M (bg)	33.14	8	26.63	1.302	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-41S (bg)	16.29	8	12.75	0.7071	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-42-030	56.84	8	13	8.768	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-44-070	15.44	8	8.375	1.414	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-44-125	518.3	8	107.5	82.16	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-46-175	312.4	8	176.3	27.22	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-71-035	62.88	12	2.943	0.2068	0	None	x^(1/3)	Param Intra
Molybdenum, dissolved (ug/L)	MW-89-183 (bg)	13.68	8	7.263	1.284	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-89-273 (bg)	47.01	8	35.38	2.326	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-90-031	31.85	8	13.69	3.632	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-95-113 (bg)	5.439	8	4.05	0.2777	0	None	No	Param Intra
Molybdenum, dissolved (ug/L)	MW-95-157 (bg)	26.74	8	7.138	3.921	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-14 (bg)	11.61	8	4.2	1.481	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-23-060	7.246	8	4.313	0.5866	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-23-080	11.1	7	5.571	1.106	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-35-060	2.396	8	1.938	0.09161	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-35-135	3.745	8	15.15	7.472	15	None	x^3	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-37S (bg)	2.701	8	1.538	0.2326	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-40D (bg)	8.703	8	1.727	1.395	37.5	Kapla...	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-40S (bg)	7.378	8	4.241	0.6274	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-41S (bg)	4.321	8	5.079	2.719	0	None	x^2	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-46-175	2.584	12	1.162	0.2844	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-71-035	15.71	8	6.693	1.75	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-89-183 (bg)	5.525	4	3.275	0.45	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-89-273 (bg)	6.005	4	3.225	0.556	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-95-113 (bg)	7.262	4	5.375	0.3775	0	None	No	Param Intra
Nitrate [as nitrogen] (mg/L)	MW-95-157 (bg)	12.23	4	6.75	1.097	0	None	No	Param Intra
Nitrate/Nitrite as Nitrogen (mg/L)	MW-23-060	9.204	6	4.948	0.8512	0	None	No	Param Intra
Nitrate/Nitrite as Nitrogen (mg/L)	MW-23-080	16.32	6	4.11	2.442	0	None	No	Param Intra
Nitrate/Nitrite as Nitrogen (mg/L)	MW-89-183 (bg)	3.335	8	2.8	0.1069	0	None	No	Param Intra
Nitrate/Nitrite as Nitrogen (mg/L)	MW-95-113 (bg)	7.435	8	5.913	0.3044	0	None	No	Param Intra
Nitrate/Nitrite as Nitrogen (mg/L)	MW-95-157 (bg)	14.71	8	8.15	1.311	0	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-14 (bg)	2.475	8	1.913	0.1126	0	None	No	Param Intra

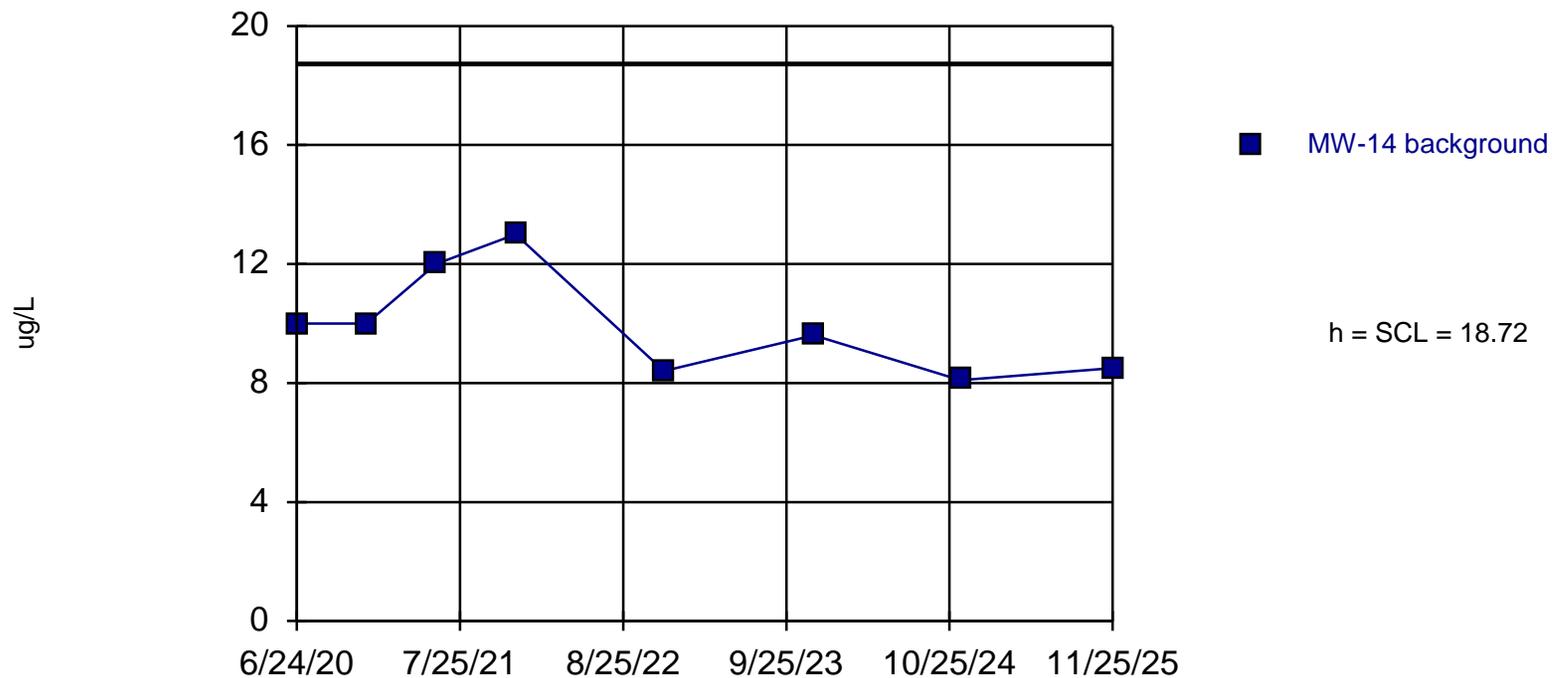
Shewhart-Cusum Control Chart / Rank Sum

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset Printed 2/18/2026, 5:50 PM

<u>Constituent</u>	<u>Well</u>	<u>SCL</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Method</u>
Selenium, dissolved (ug/L)	MW-23-060	9.062	8	4.663	0.8798	0	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-23-080	7.216	8	88.43	57.46	0	None	x^3	Param Intra
Selenium, dissolved (ug/L)	MW-33-040	37.74	8	1.454	0.9379	12.5	None	sqrt(x)	Param Intra
Selenium, dissolved (ug/L)	MW-33-150	1.214	8	0.4722	0.2003	12.5	None	x^2	Param Intra
Selenium, dissolved (ug/L)	MW-35-060	2.128	8	1.119	0.2019	0	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-35-135	1.415	8	0.5622	0.454	25	Kapla...	x^3	Param Intra
Selenium, dissolved (ug/L)	MW-37S (bg)	1.291	8	0.8263	0.09288	0	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-40D (bg)	3.119	8	0.9063	0.4426	12.5	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-40S (bg)	80.32	8	1.162	0.6448	0	None	ln(x)	Param Intra
Selenium, dissolved (ug/L)	MW-41S (bg)	4.341	8	2.238	0.4207	0	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-46-175	1.052	8	0.6	0.0904	0	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-71-035	14	12	3.678	2.065	0	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-89-183 (bg)	4.376	8	2.75	0.3251	0	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-89-273 (bg)	4.083	8	3.588	0.0991	0	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-95-113 (bg)	6.566	8	4.888	0.3357	0	None	No	Param Intra
Selenium, dissolved (ug/L)	MW-95-157 (bg)	8.549	8	6.388	0.4324	0	None	No	Param Intra

Control Chart

MW-14



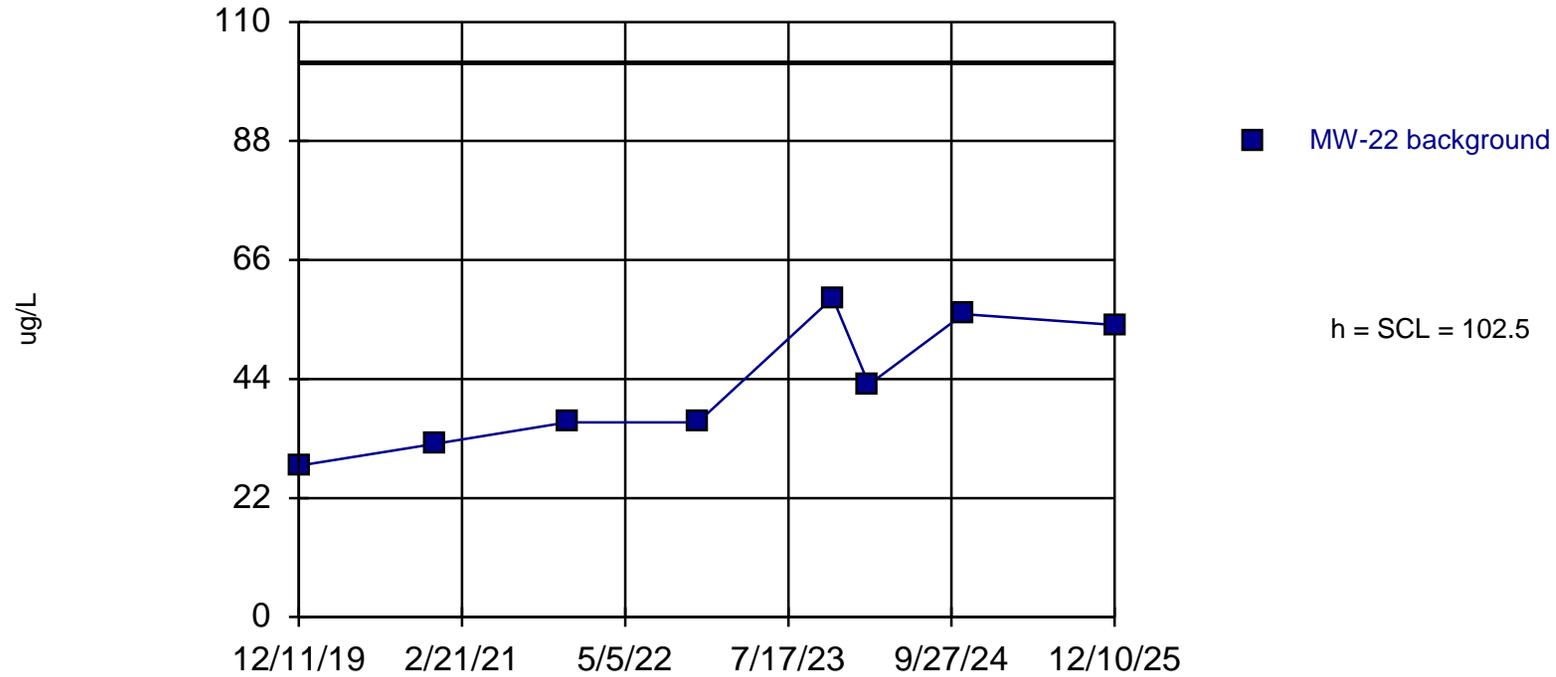
Background Data Summary: Mean=9.95, Std. Dev.=1.755, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8932, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/25/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-22



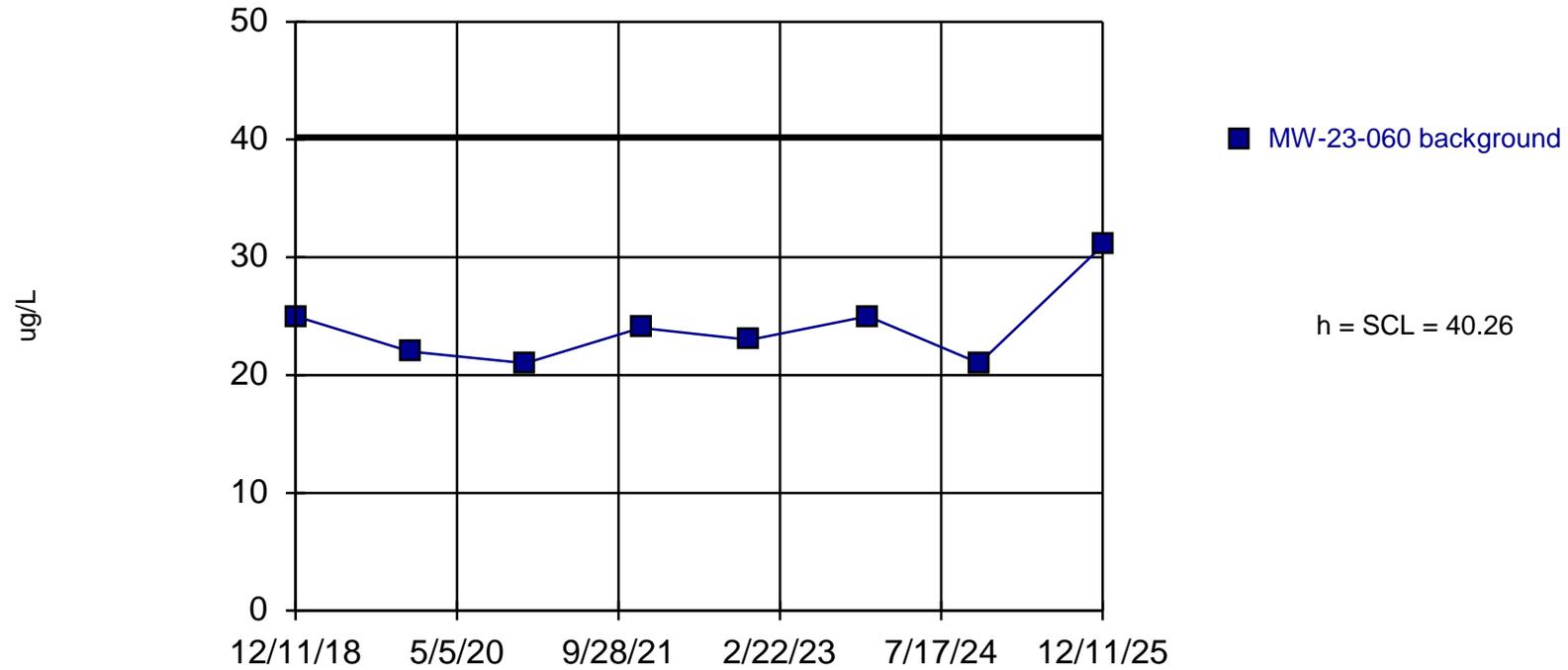
Background Data Summary: Mean=43, Std. Dev.=11.89, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9021, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 12/10/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-23-060



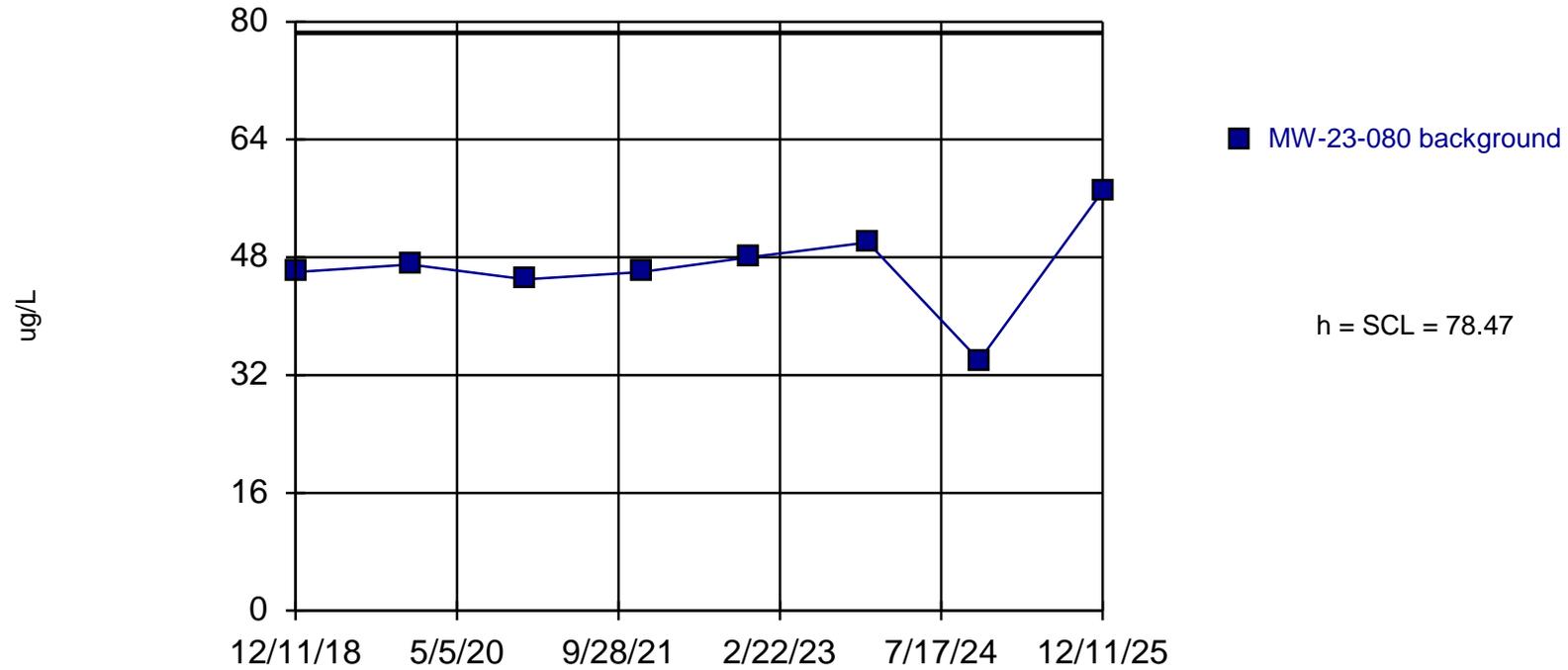
Background Data Summary: Mean=24, Std. Dev.=3.251, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8427, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-23-080



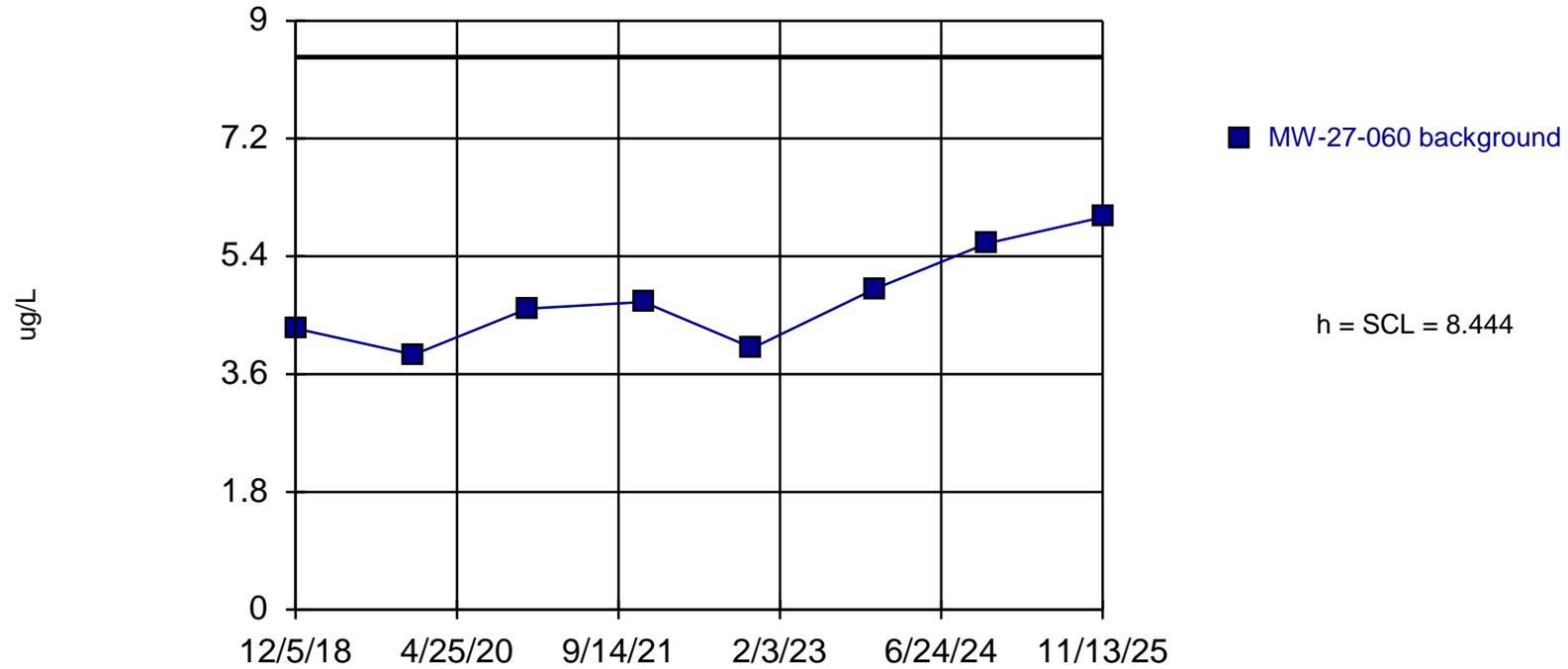
Background Data Summary: Mean=46.63, Std. Dev.=6.368, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8913, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-27-060



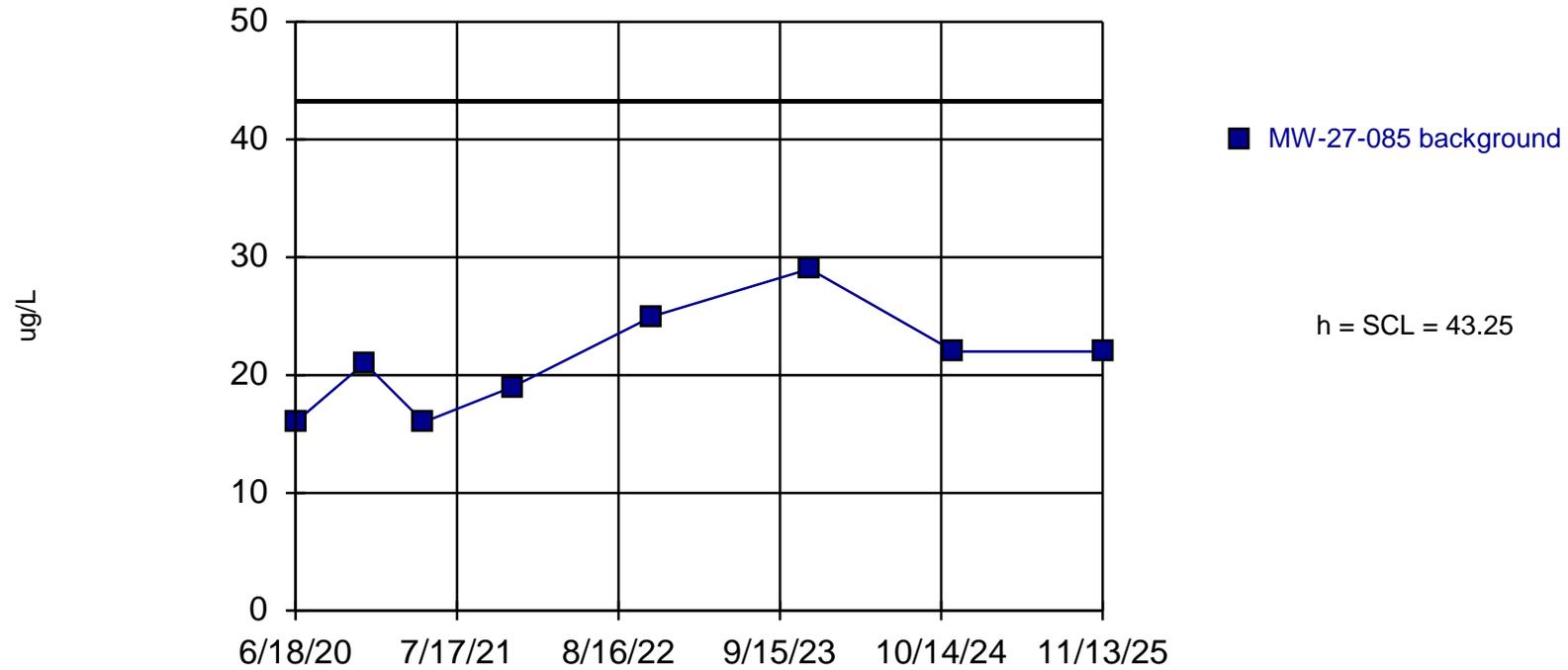
Background Data Summary: Mean=4.75, Std. Dev.=0.7387, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9325, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/13/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-27-085



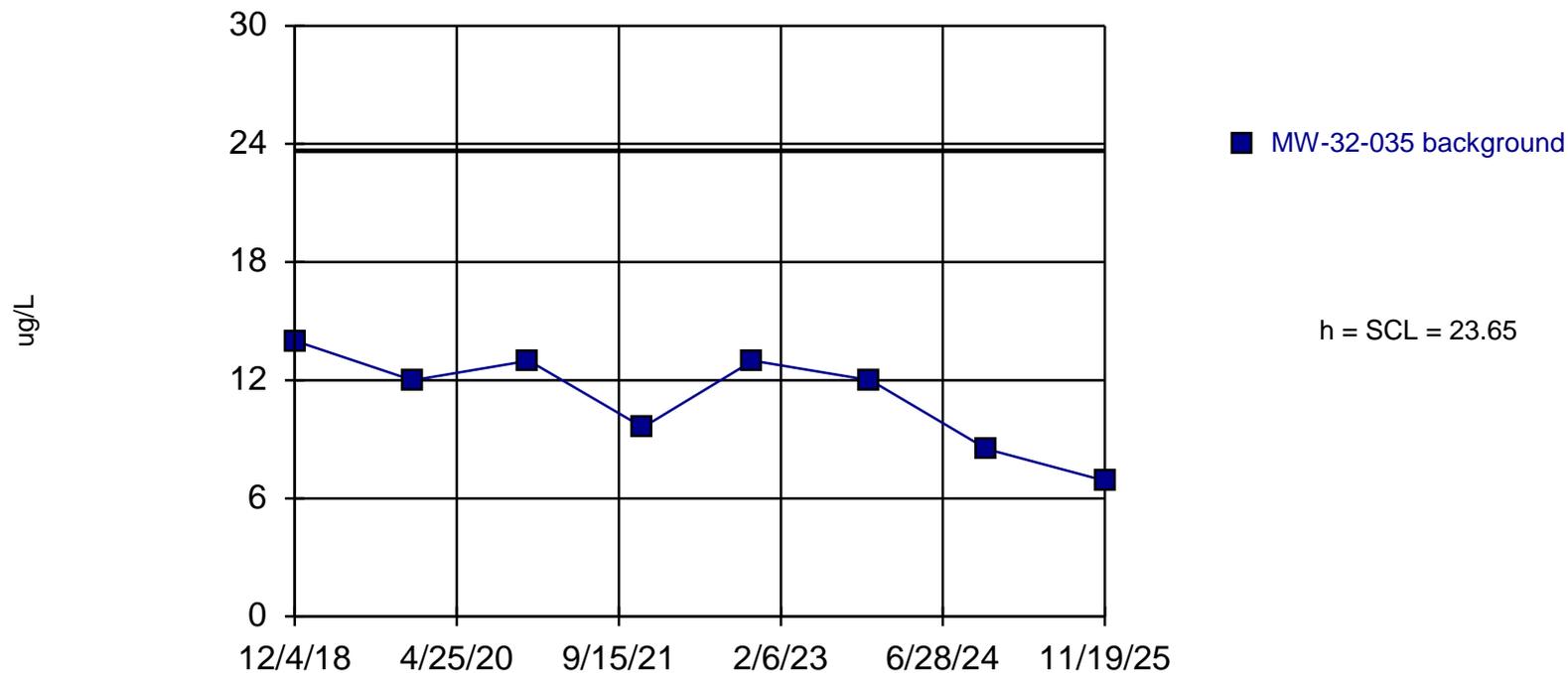
Background Data Summary: Mean=21.25, Std. Dev.=4.4, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9414, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/13/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-32-035



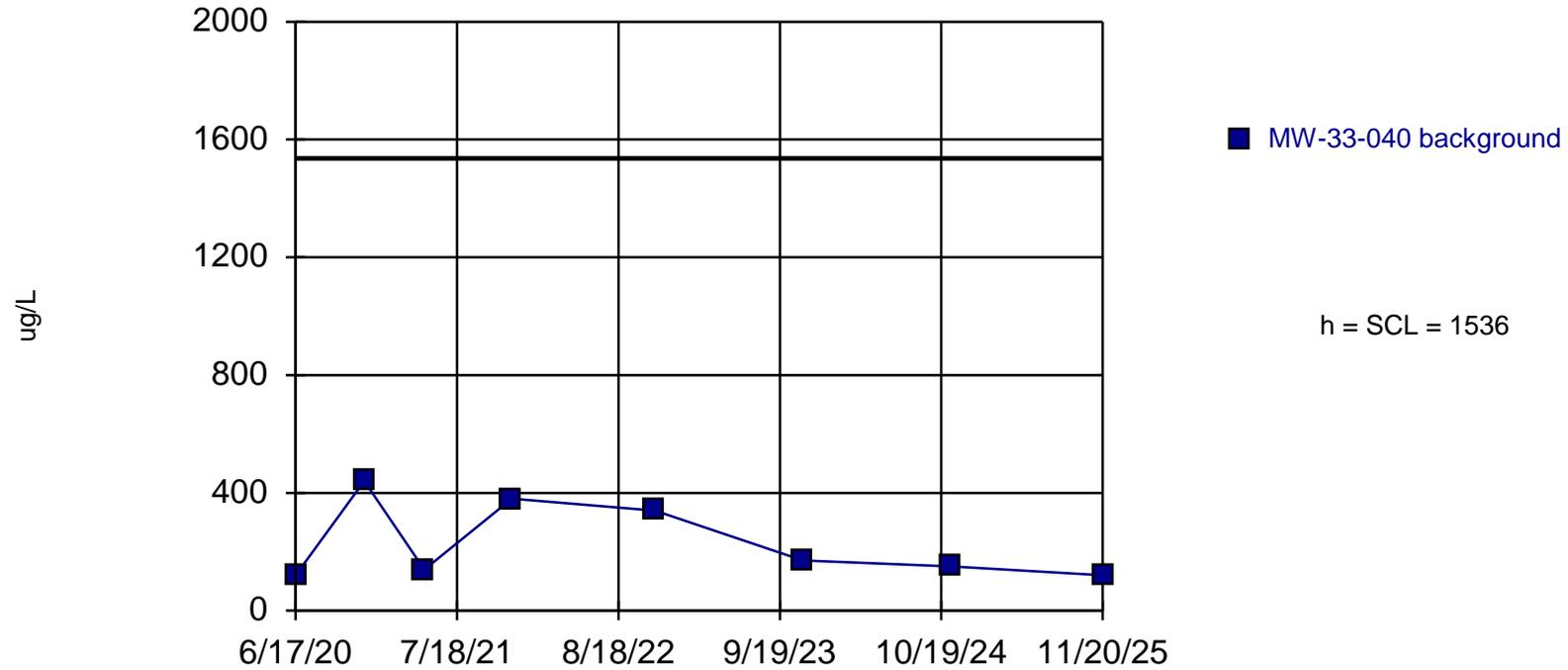
Background Data Summary: Mean=11.13, Std. Dev.=2.504, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.908, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/19/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-33-040



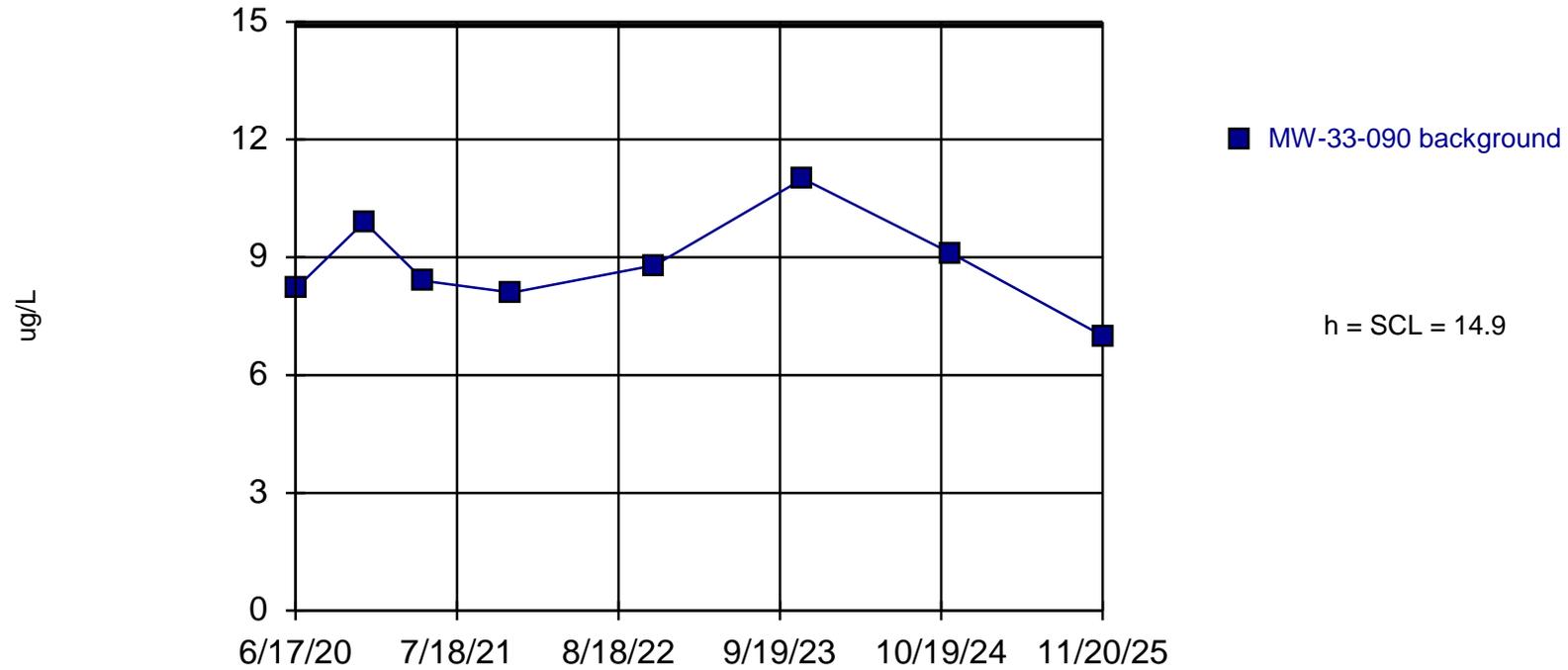
Background Data Summary (based on cube root transformation): Mean=5.967, Std. Dev.=1.114, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8223, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/20/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-33-090



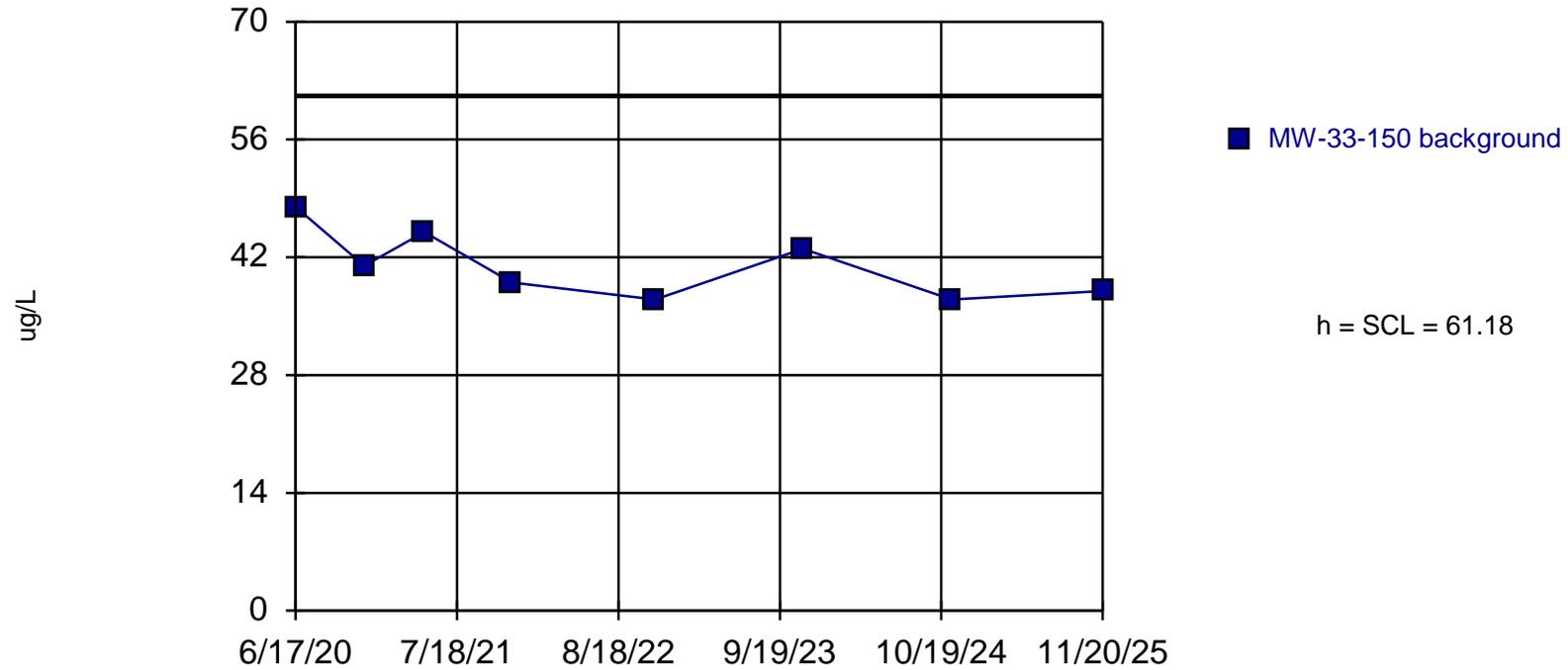
Background Data Summary: Mean=8.813, Std. Dev.=1.218, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9671, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/20/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-33-150



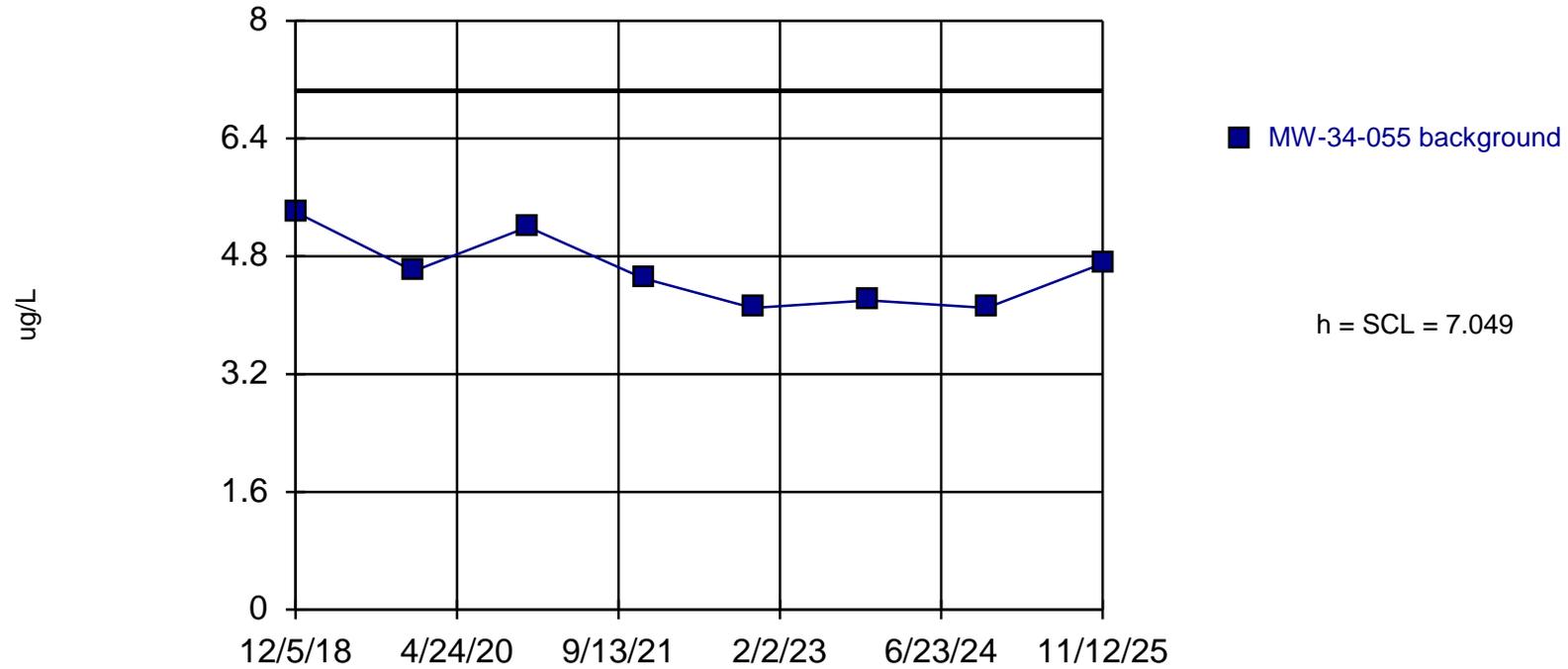
Background Data Summary: Mean=41, Std. Dev.=4.036, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9076, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/20/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-34-055



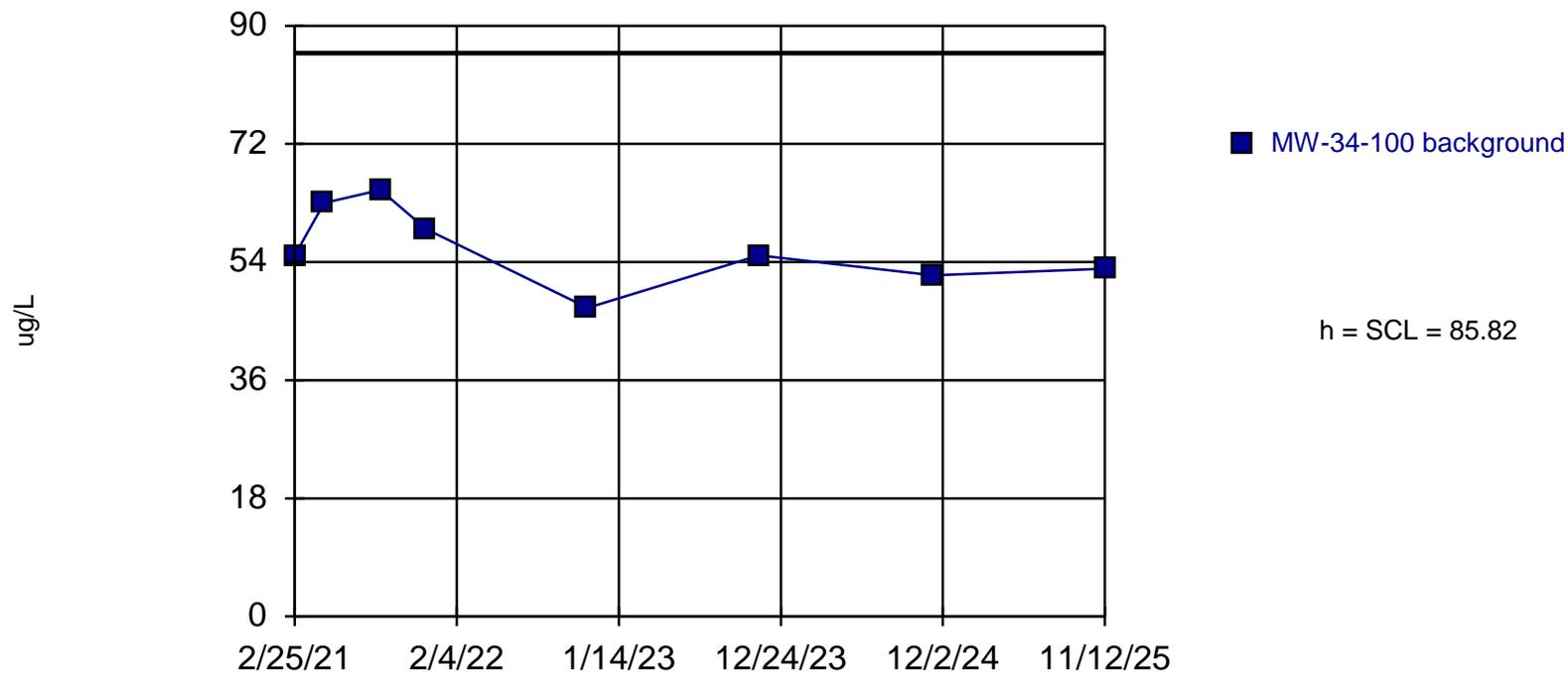
Background Data Summary: Mean=4.6, Std. Dev.=0.4899, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.897, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/12/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-34-100



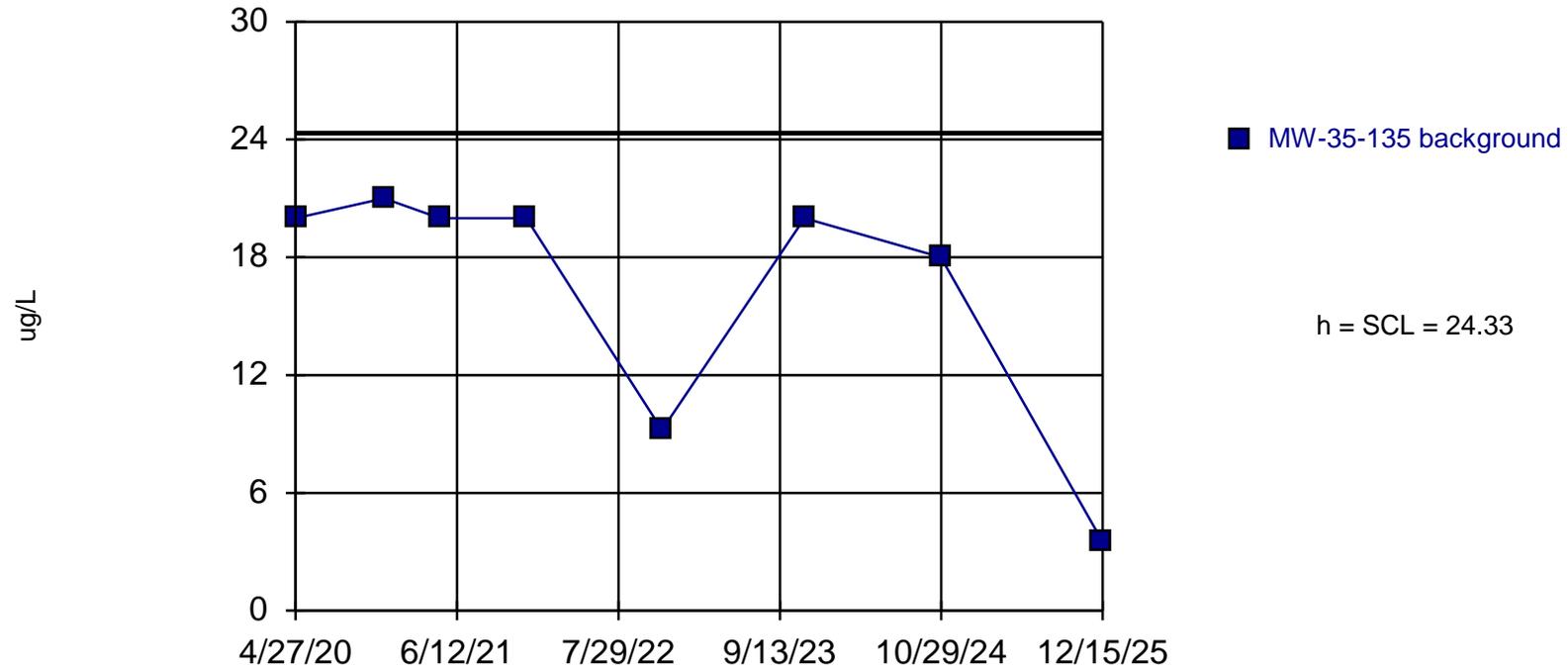
Background Data Summary: Mean=56.13, Std. Dev.=5.939, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9631, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/12/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-35-135



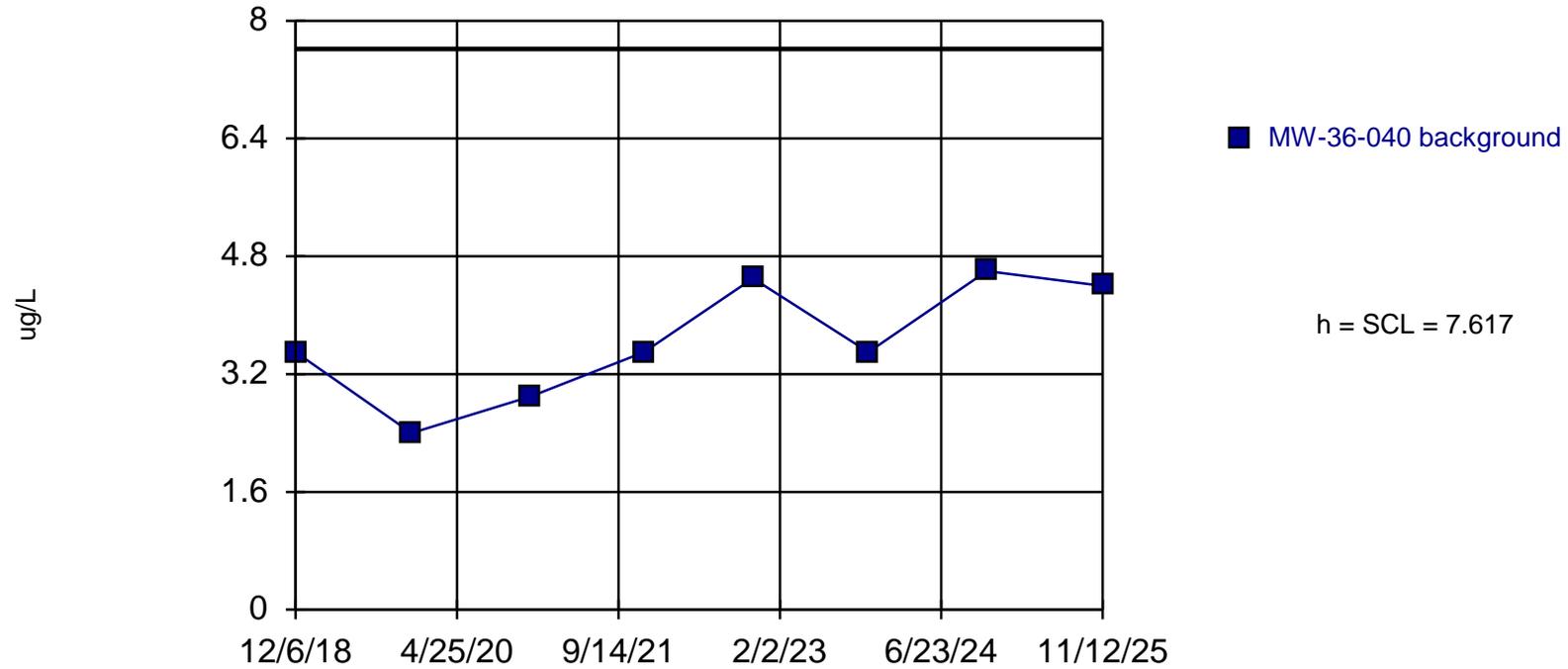
Background Data Summary (based on x^6 transformation): Mean= $4.7e7$, Std. Dev.= $3.2e7$, $n=8$. Normality test: Shapiro Wilk @ $\alpha = 0.05$, calculated = 0.8288, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 12/15/2025 used for control stats. Standardized $h=5$, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-36-040



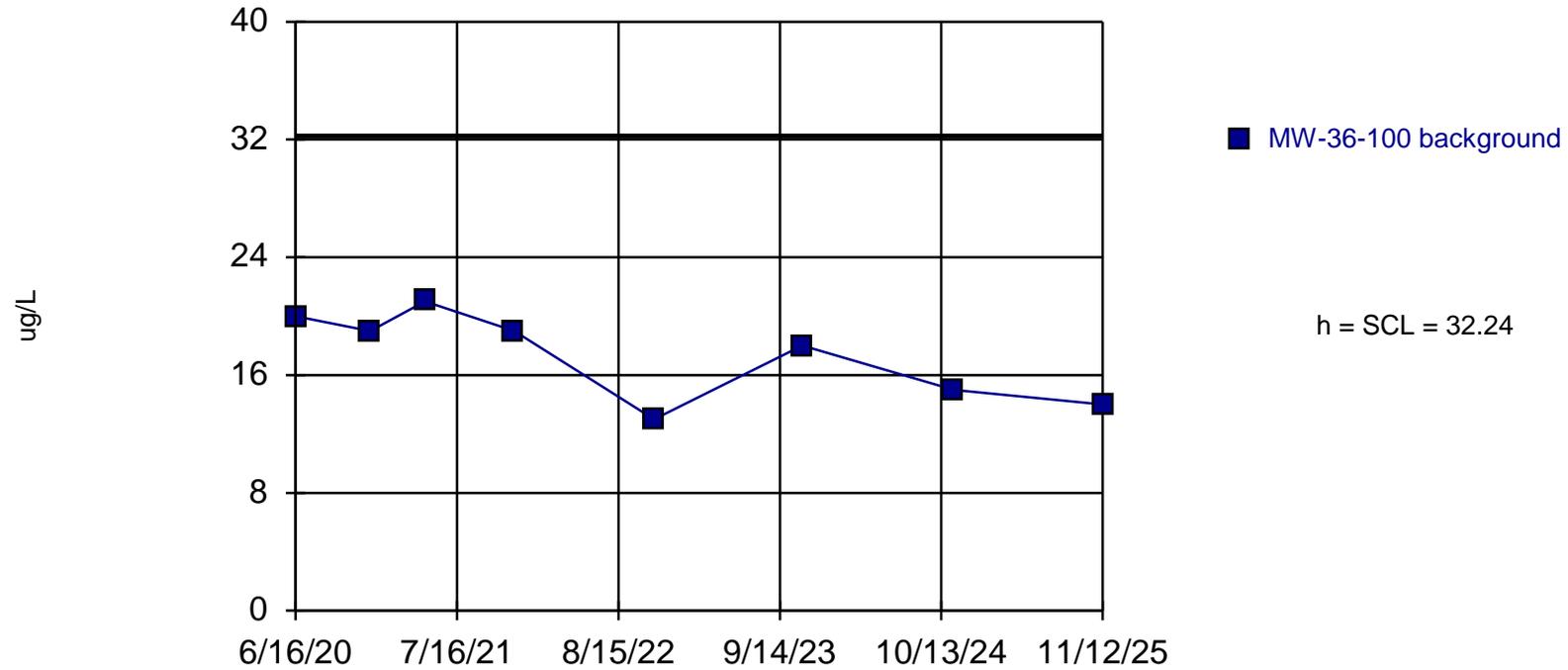
Background Data Summary: Mean=3.663, Std. Dev.=0.7909, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9085, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/12/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-36-100



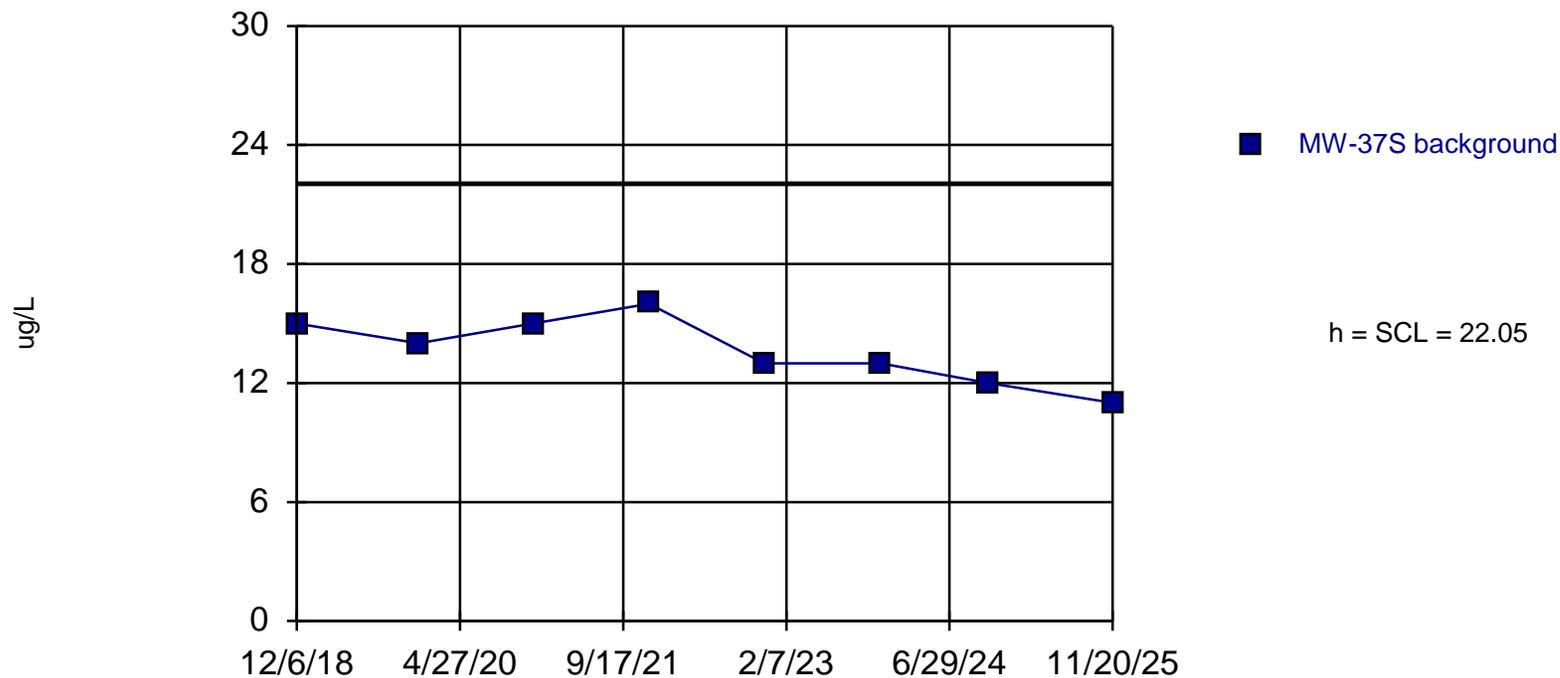
Background Data Summary: Mean=17.38, Std. Dev.=2.973, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9075, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/12/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-37S



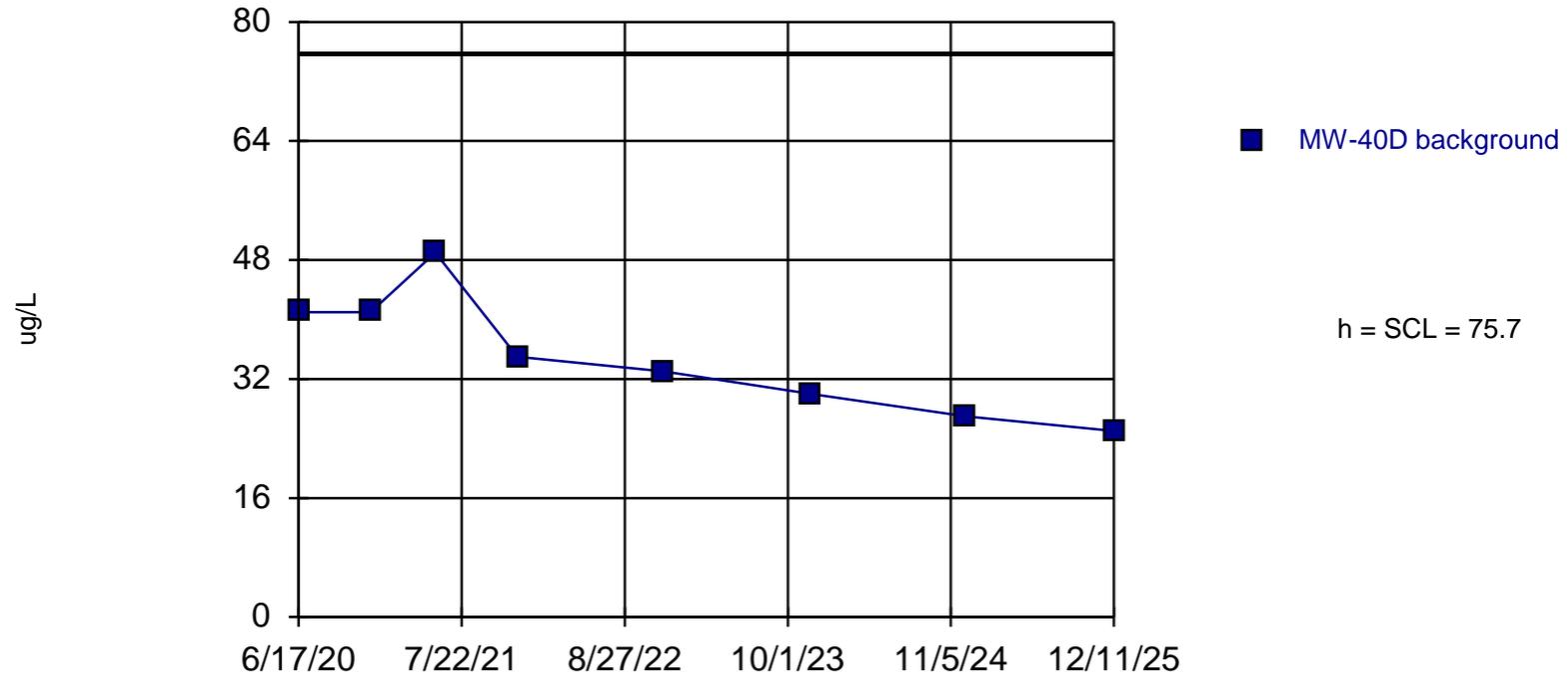
Background Data Summary: Mean=13.63, Std. Dev.=1.685, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9652, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/20/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-40D



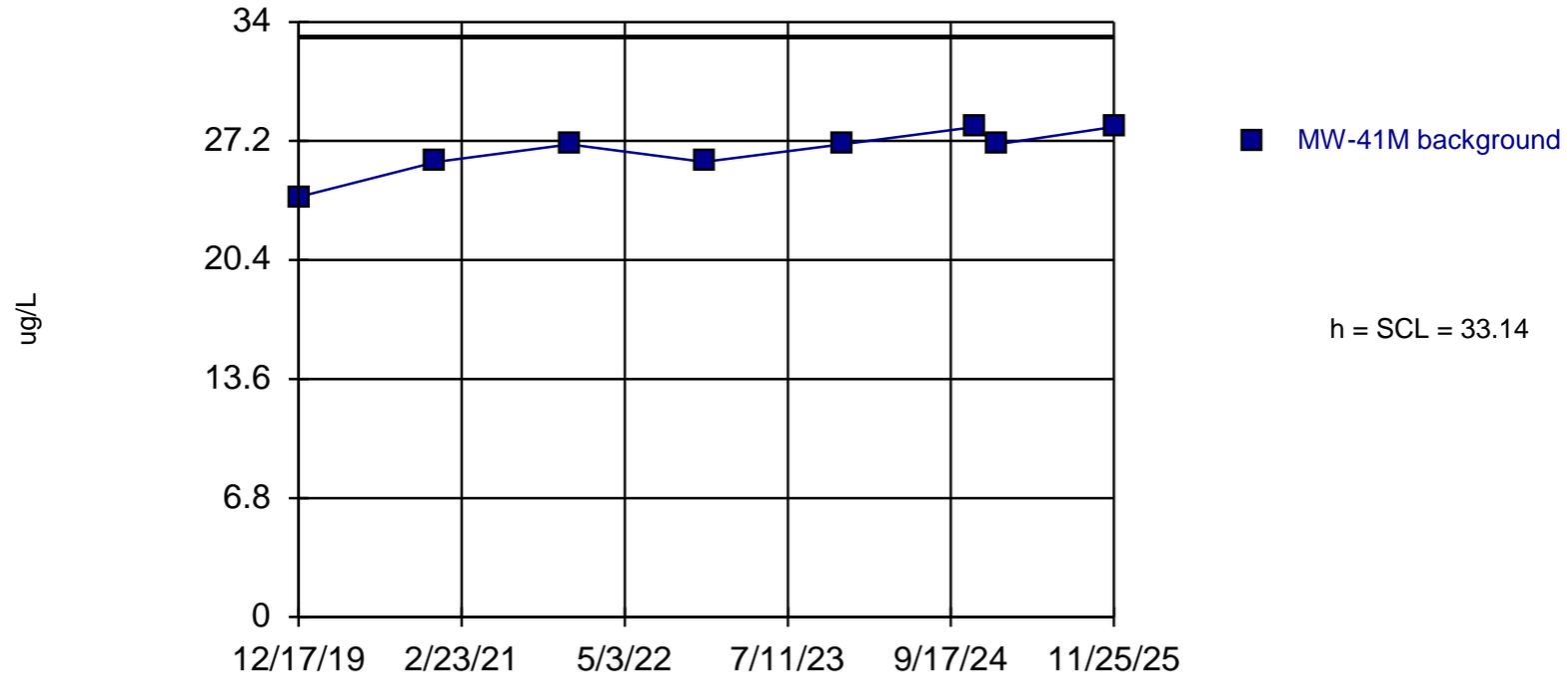
Background Data Summary: Mean=35.13, Std. Dev.=8.114, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9554, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-41M



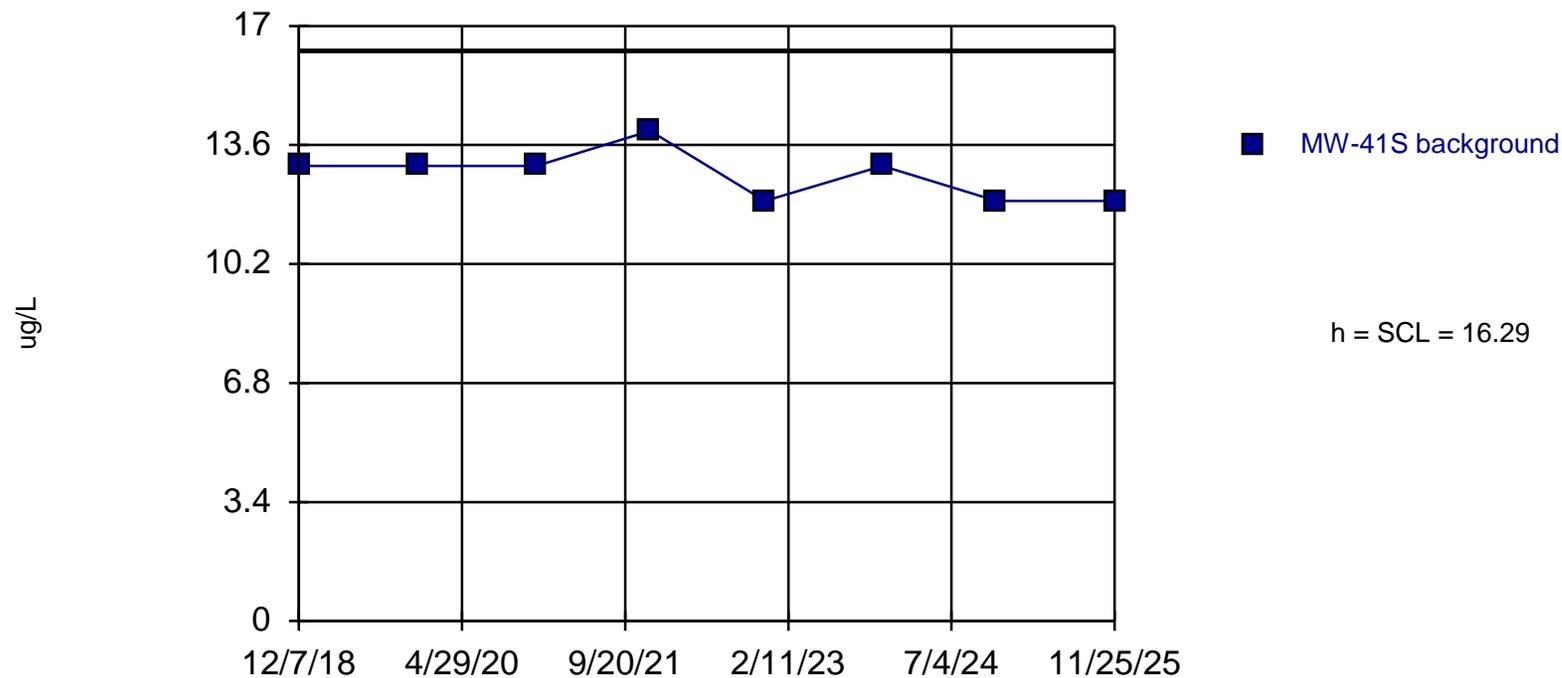
Background Data Summary: Mean=26.63, Std. Dev.=1.302, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8774, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/25/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:47 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-41S



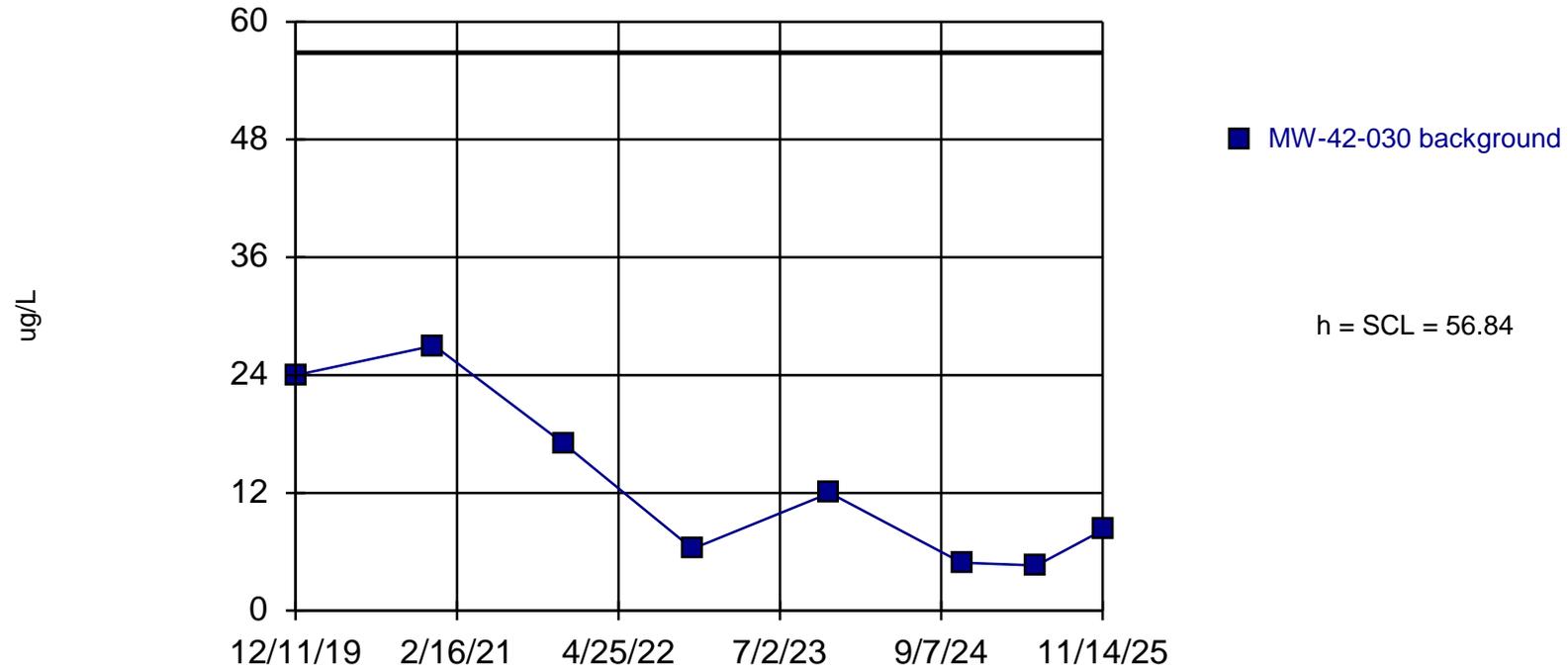
Background Data Summary: Mean=12.75, Std. Dev.=0.7071, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8268, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/25/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-42-030



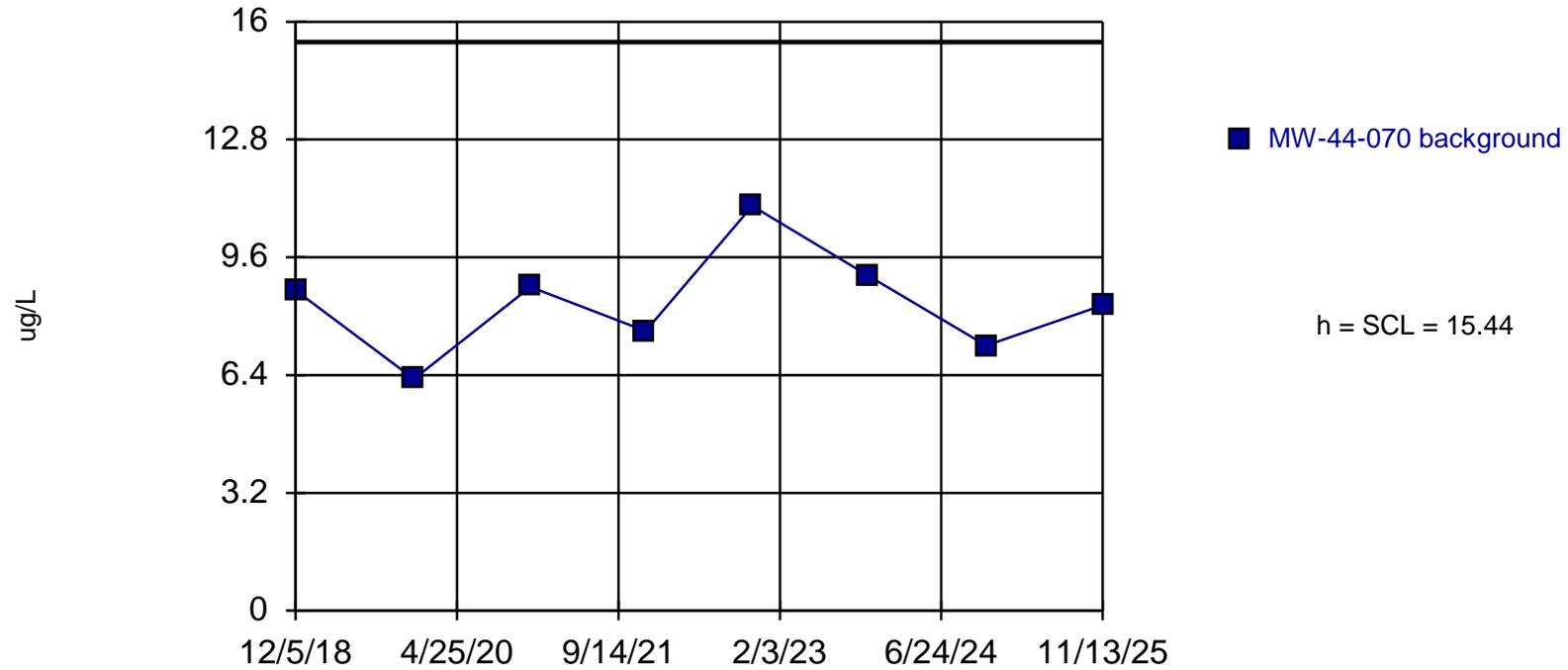
Background Data Summary: Mean=13, Std. Dev.=8.768, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8733, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/14/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-44-070



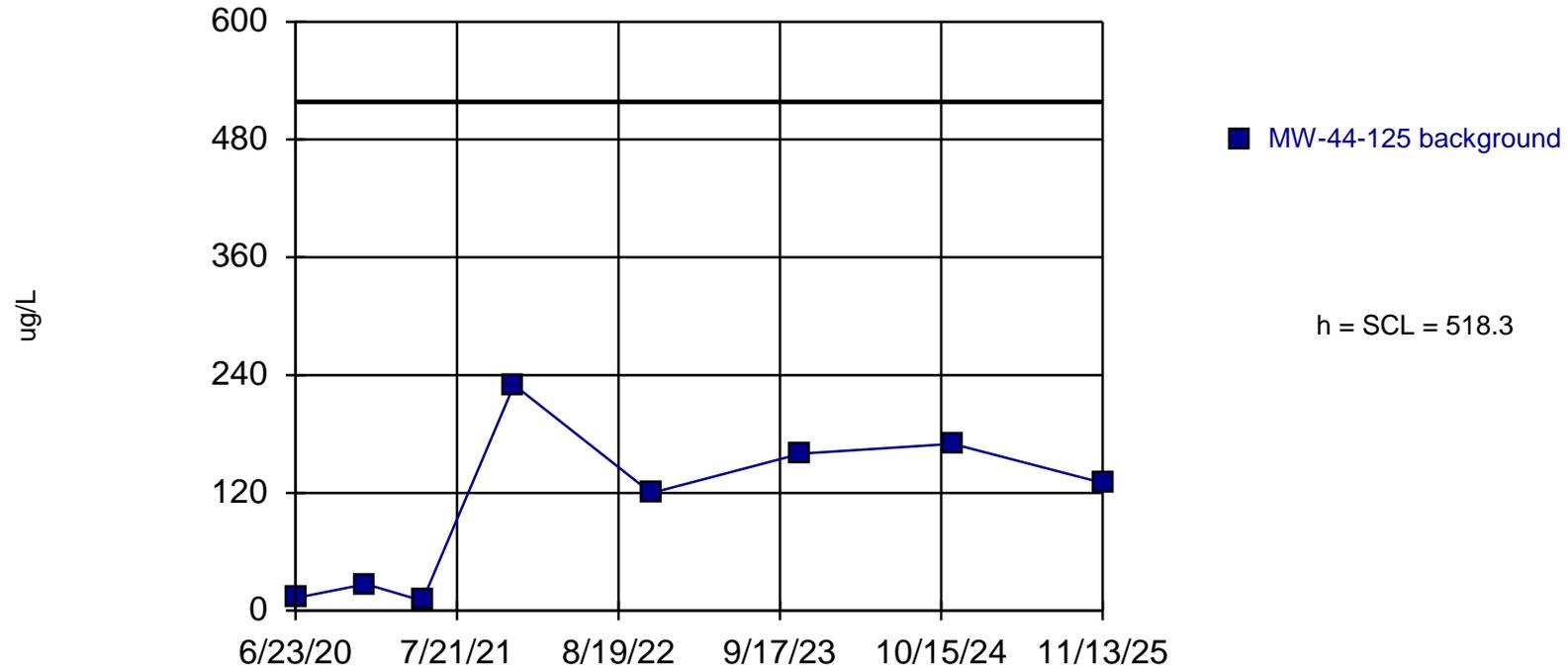
Background Data Summary: Mean=8.375, Std. Dev.=1.414, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9662, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/13/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-44-125



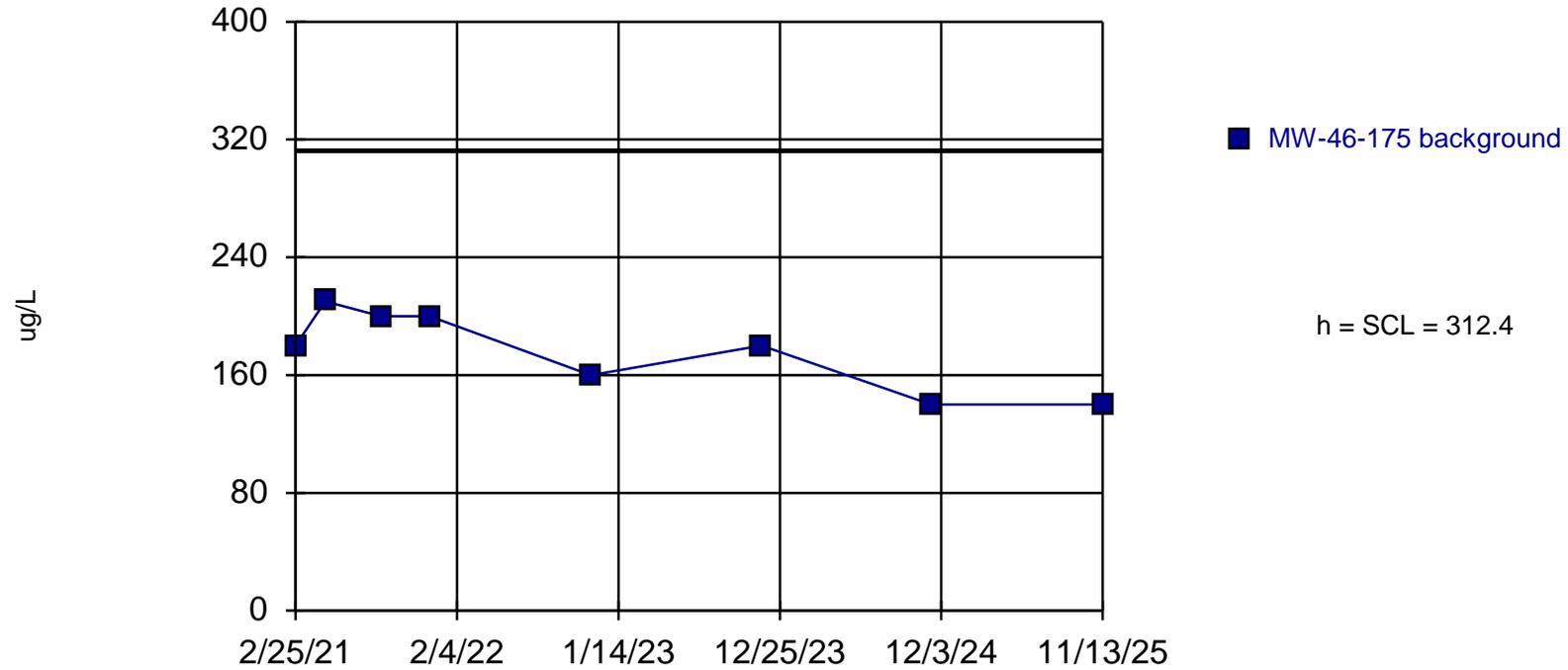
Background Data Summary: Mean=107.5, Std. Dev.=82.16, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9031, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/13/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-46-175



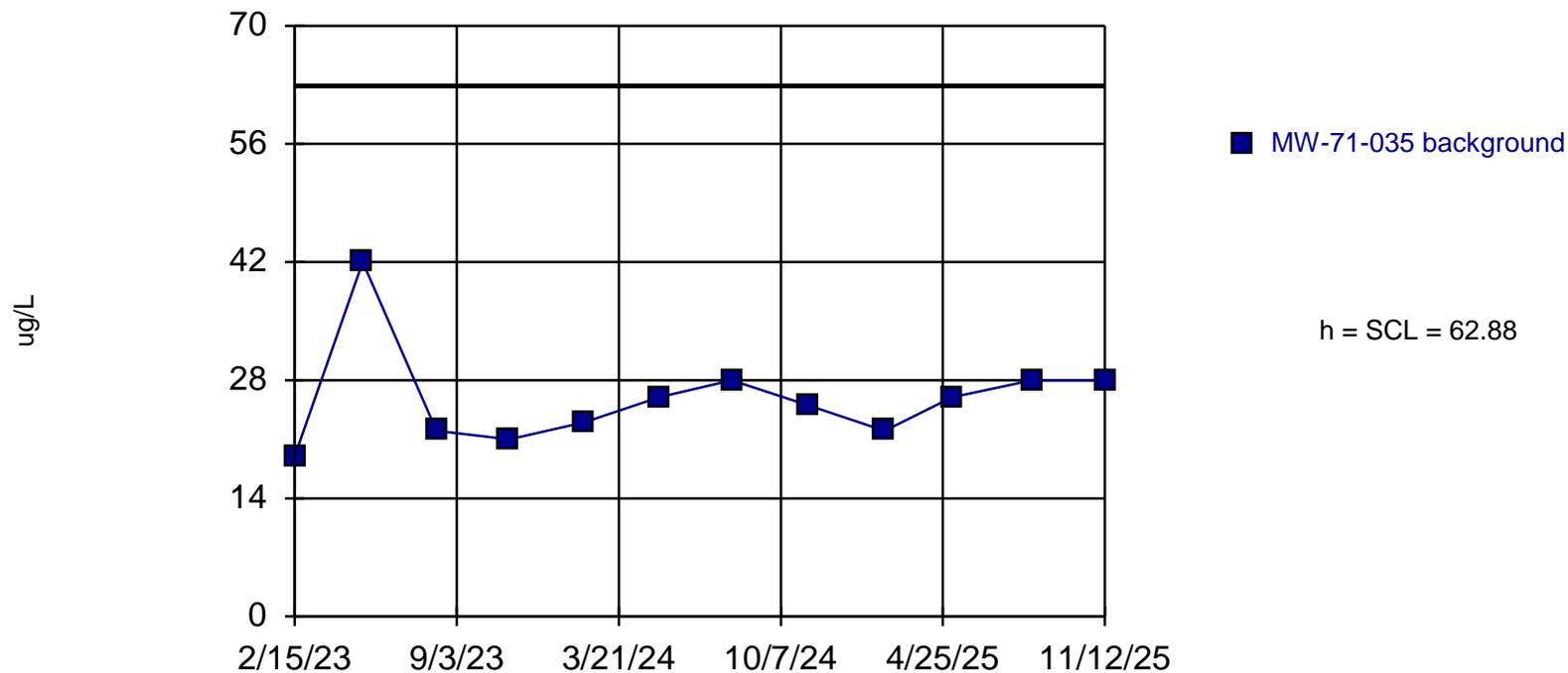
Background Data Summary: Mean=176.3, Std. Dev.=27.22, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8998, critical = 0.818. Report alpha = 0.00104 (assuming 1 future value). Dates ending 11/13/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-71-035



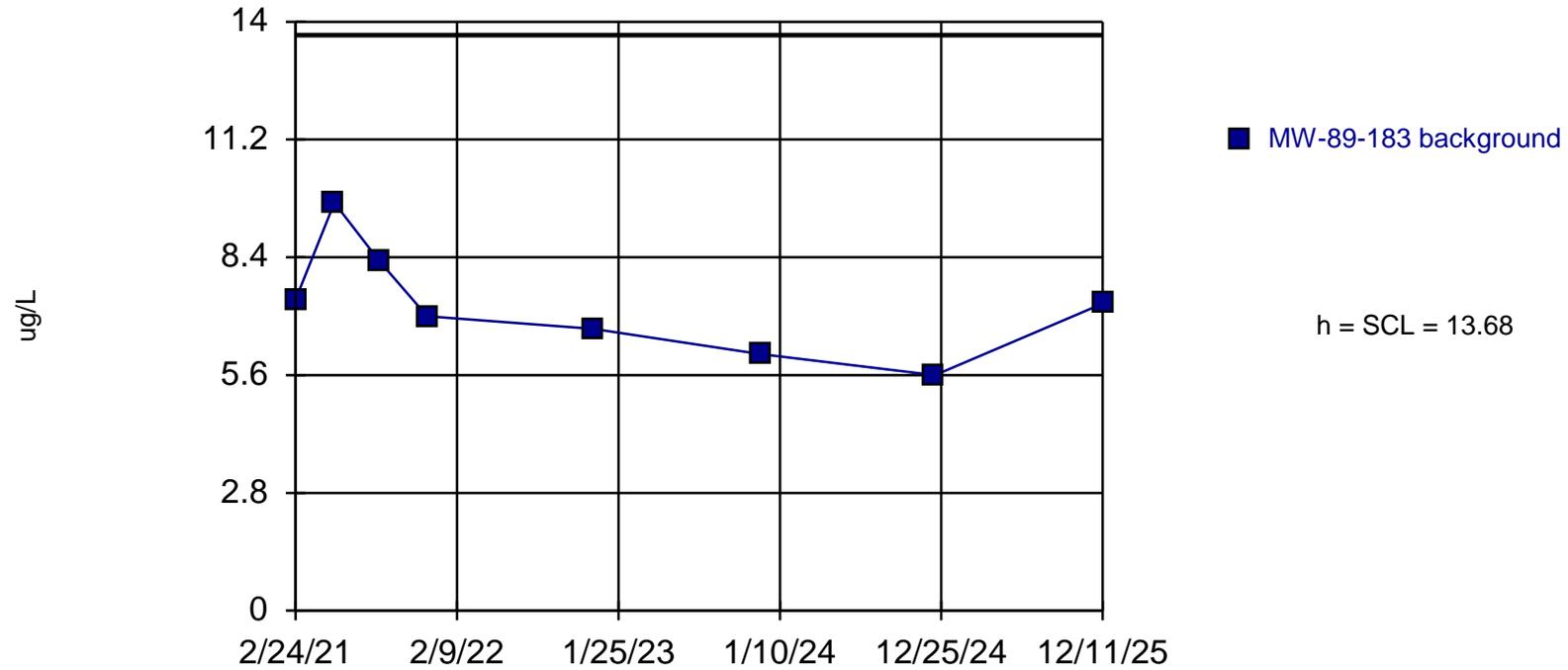
Background Data Summary (based on cube root transformation): Mean=2.943, Std. Dev.=0.2068, n=12. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8677, critical = 0.859. Report alpha = 0.000284 (assuming 1 future value). Dates ending 11/12/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-89-183



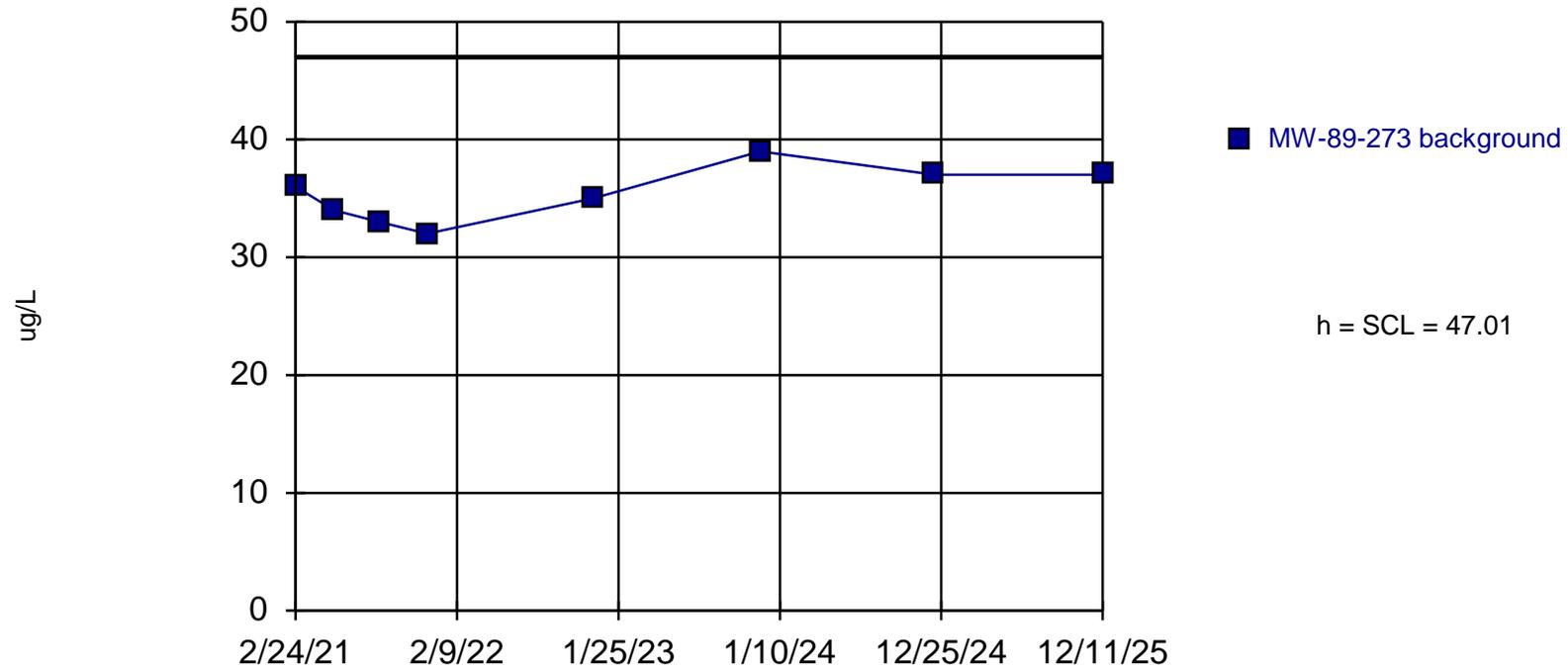
Background Data Summary: Mean=7.263, Std. Dev.=1.284, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9531, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-89-273



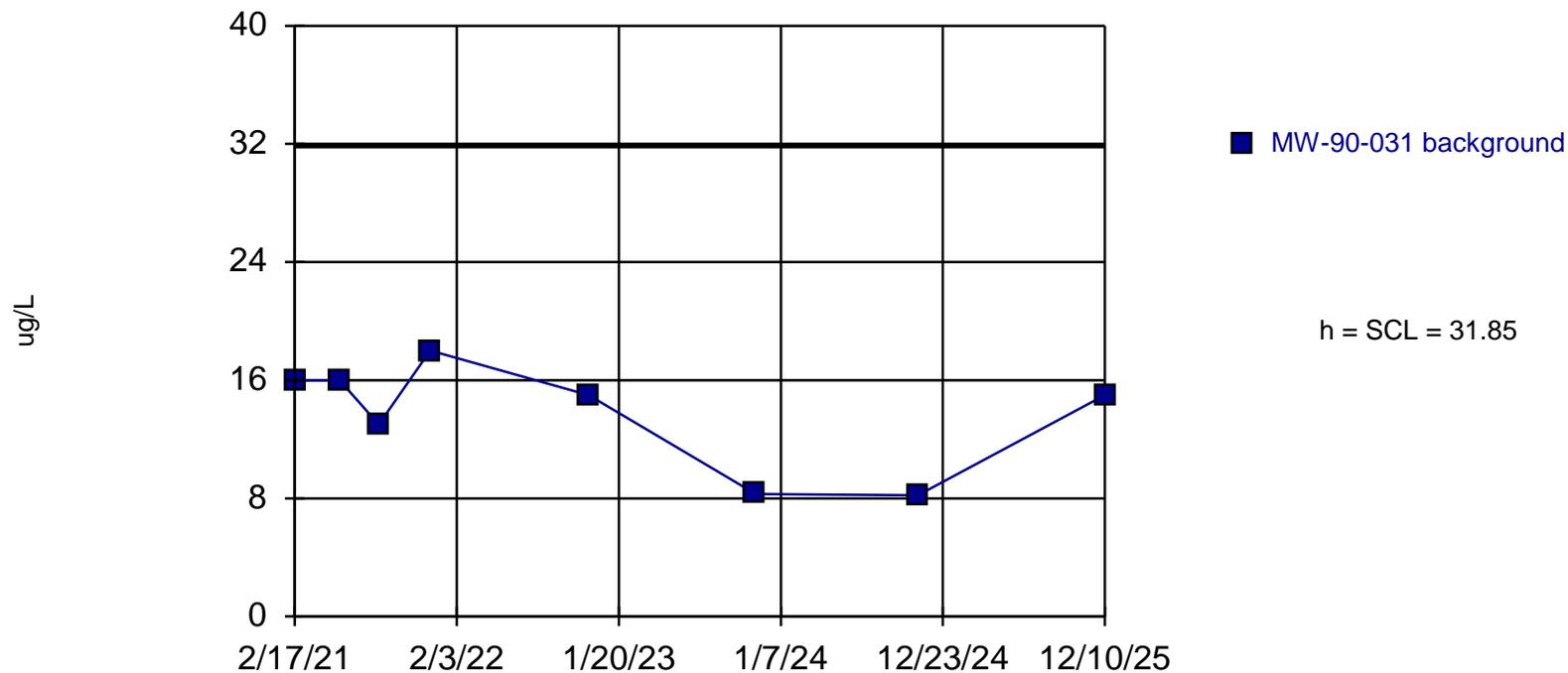
Background Data Summary: Mean=35.38, Std. Dev.=2.326, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9763, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-90-031



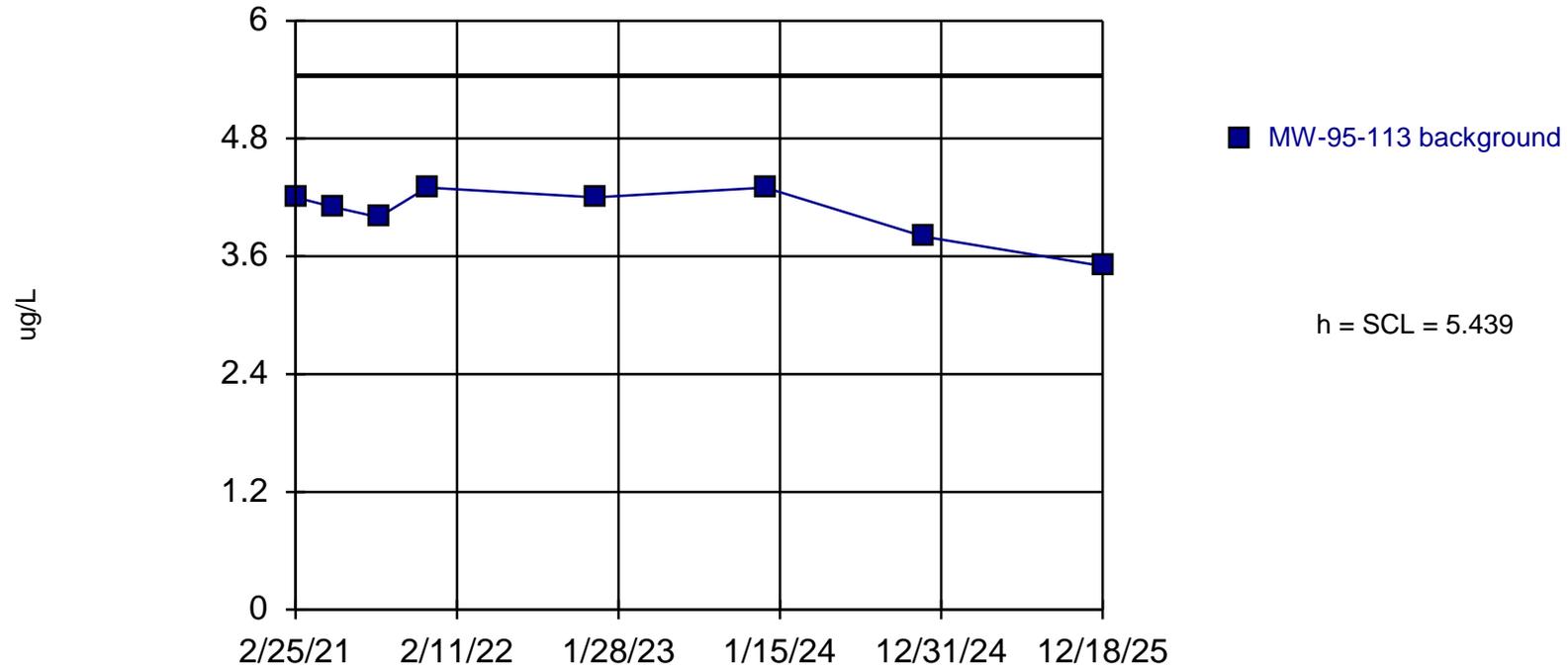
Background Data Summary: Mean=13.69, Std. Dev.=3.632, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8558, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 12/10/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-95-113



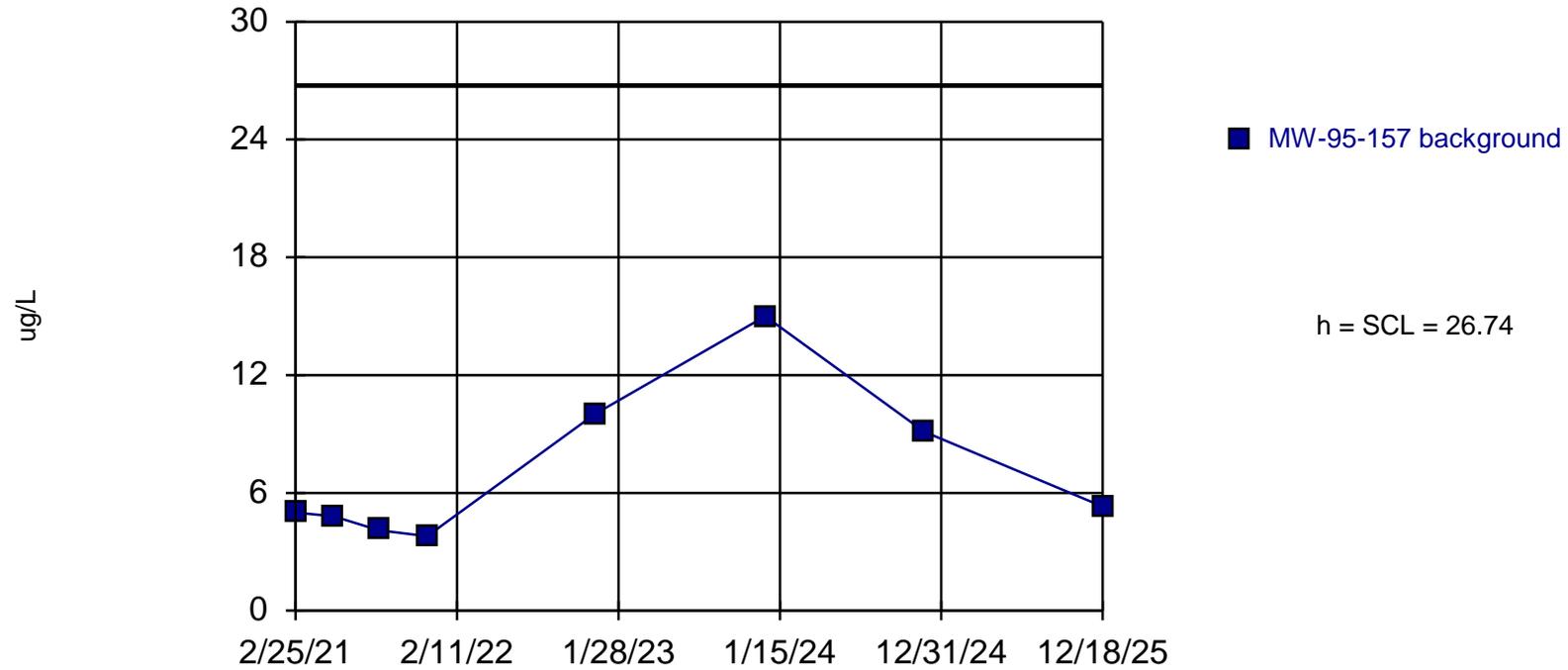
Background Data Summary: Mean=4.05, Std. Dev.=0.2777, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8634, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 12/18/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-95-157



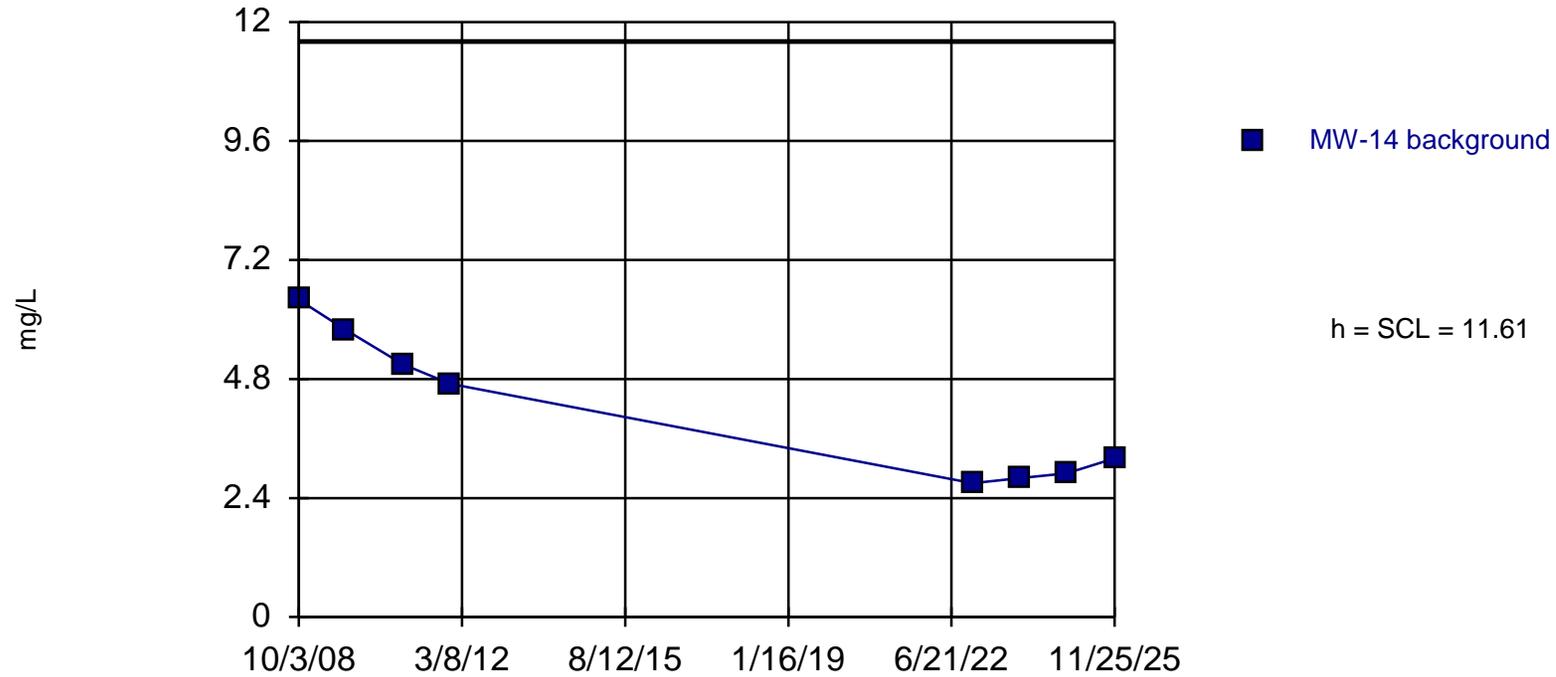
Background Data Summary: Mean=7.138, Std. Dev.=3.921, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8229, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 12/18/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Molybdenum, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-14



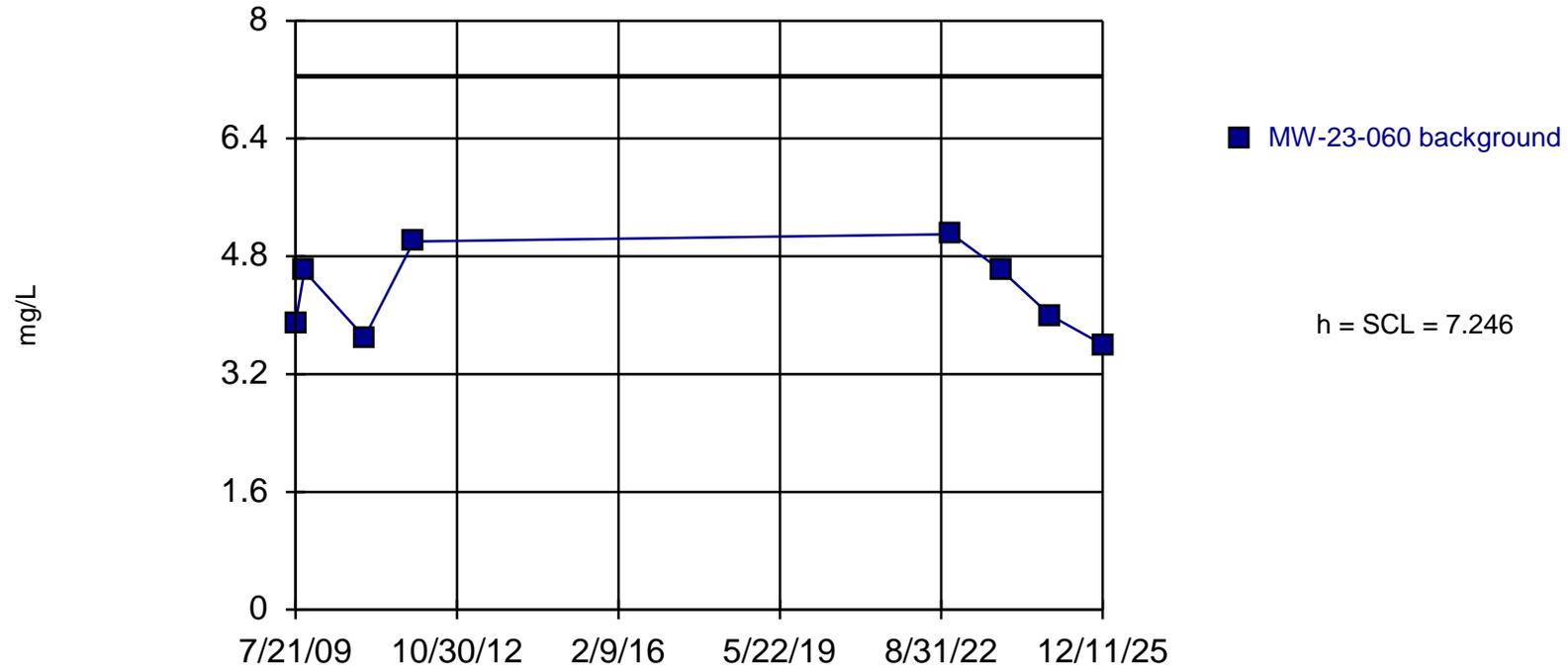
Background Data Summary: Mean=4.2, Std. Dev.=1.481, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8702, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 11/25/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-23-060



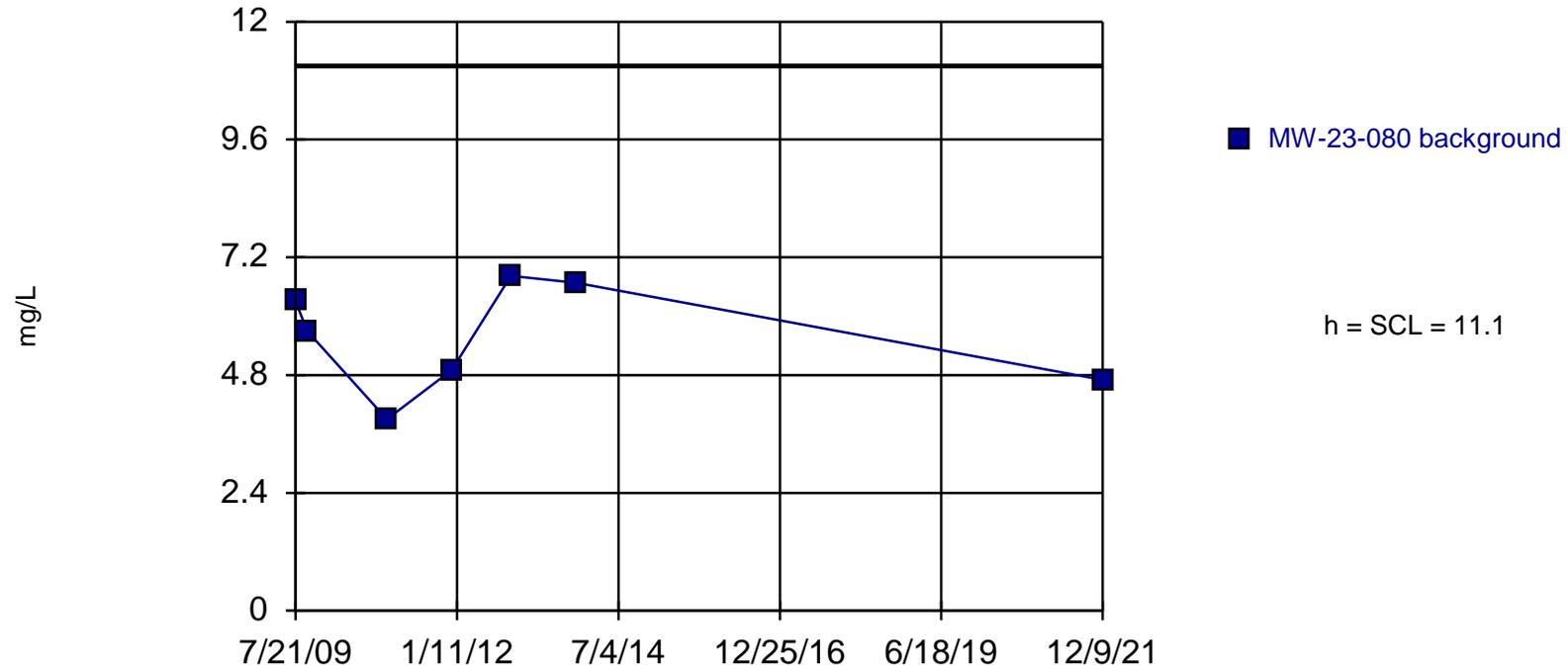
Background Data Summary: Mean=4.313, Std. Dev.=0.5866, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.903, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-23-080



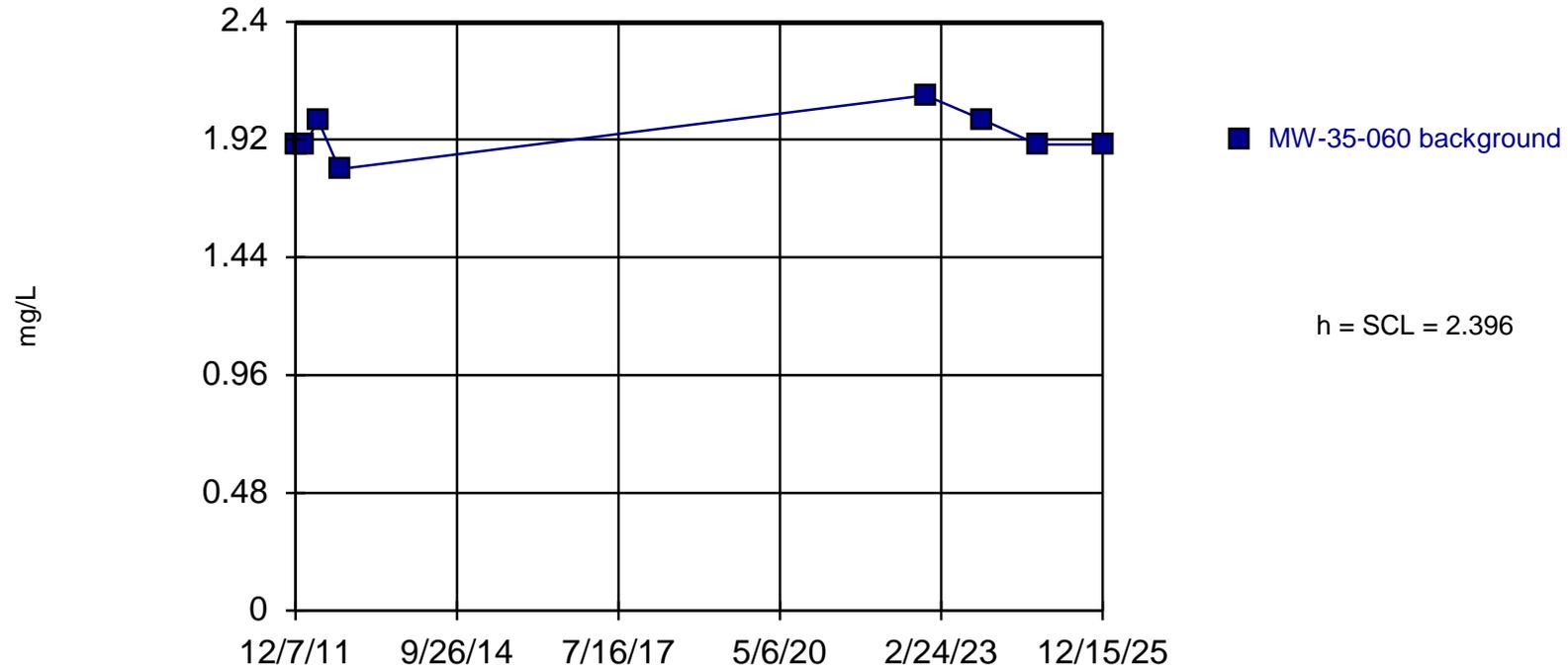
Background Data Summary: Mean=5.571, Std. Dev.=1.106, n=7. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9327, critical = 0.803. Report alpha = 0.00181 (assuming 1 future value). Dates ending 12/9/2021 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 3/3/2026 2:11 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-35-060



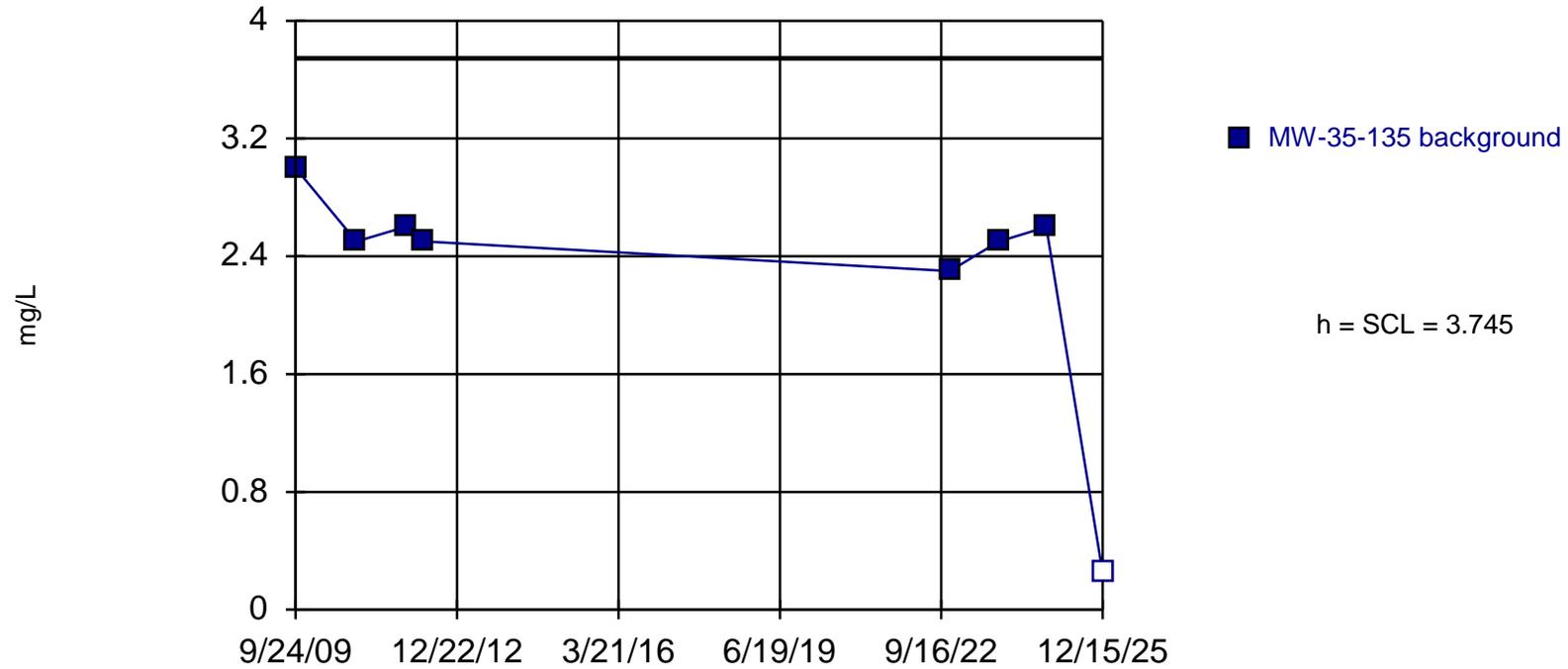
Background Data Summary: Mean=1.938, Std. Dev.=0.09161, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9054, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 12/15/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-35-135



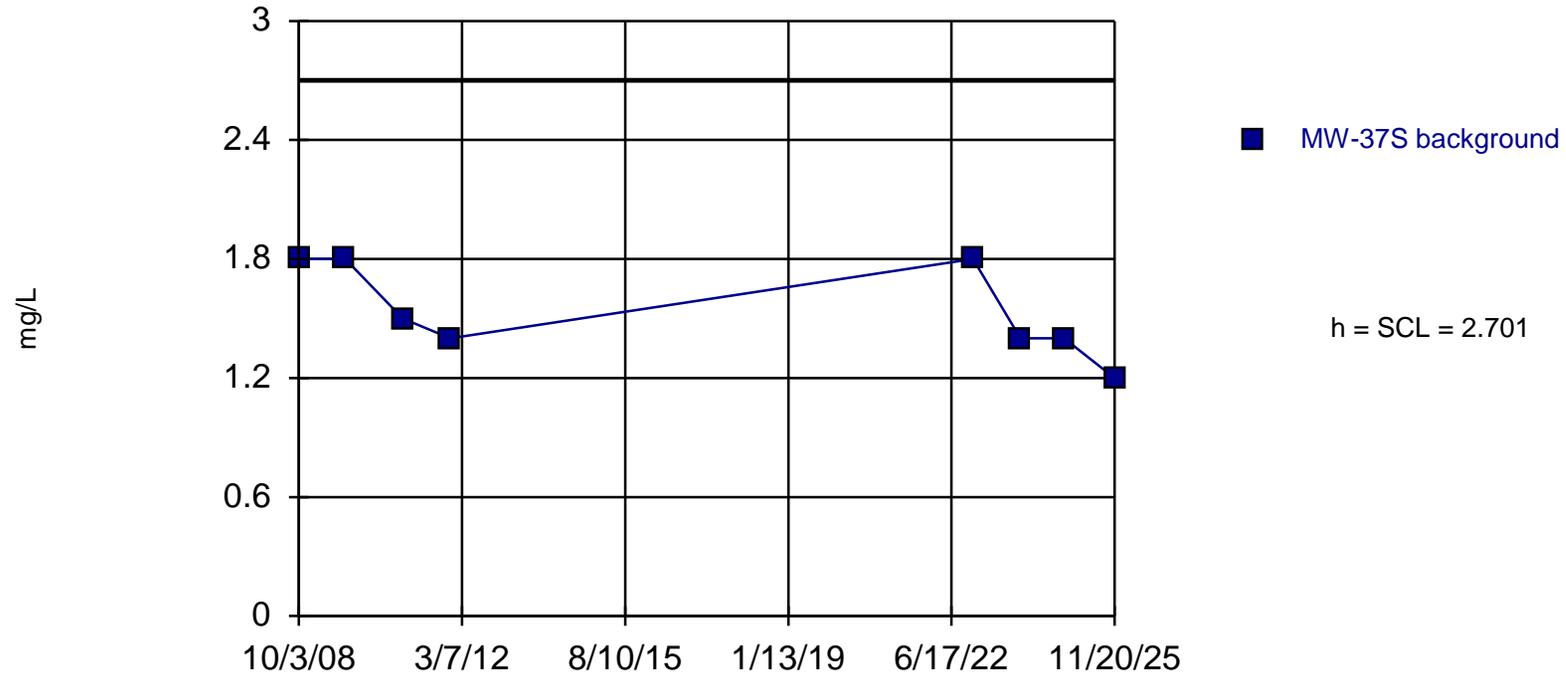
Background Data Summary (based on cube transformation): Mean=15.15, Std. Dev.=7.472, n=8, 12.5% NDs.
Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8646, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 12/15/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-37S



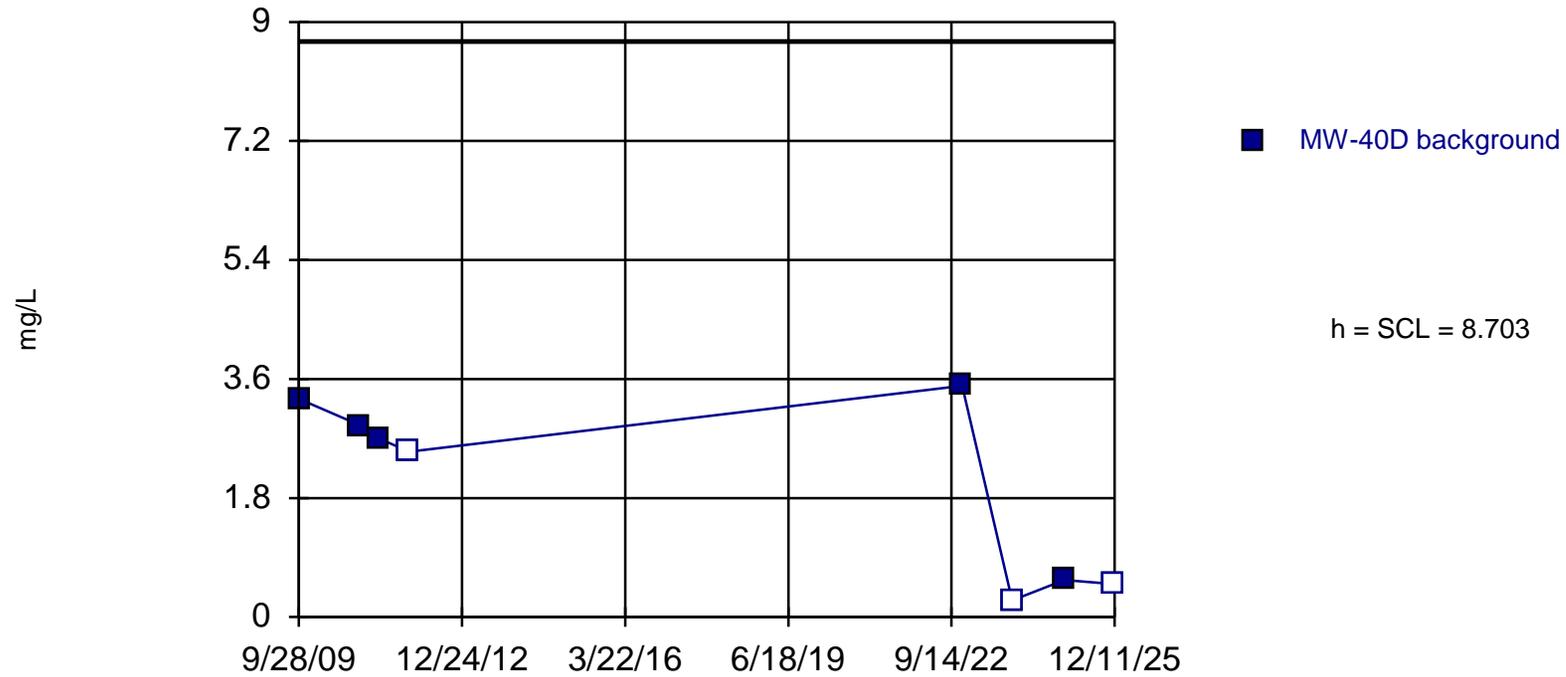
Background Data Summary: Mean=1.538, Std. Dev.=0.2326, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8429, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 11/20/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-40D



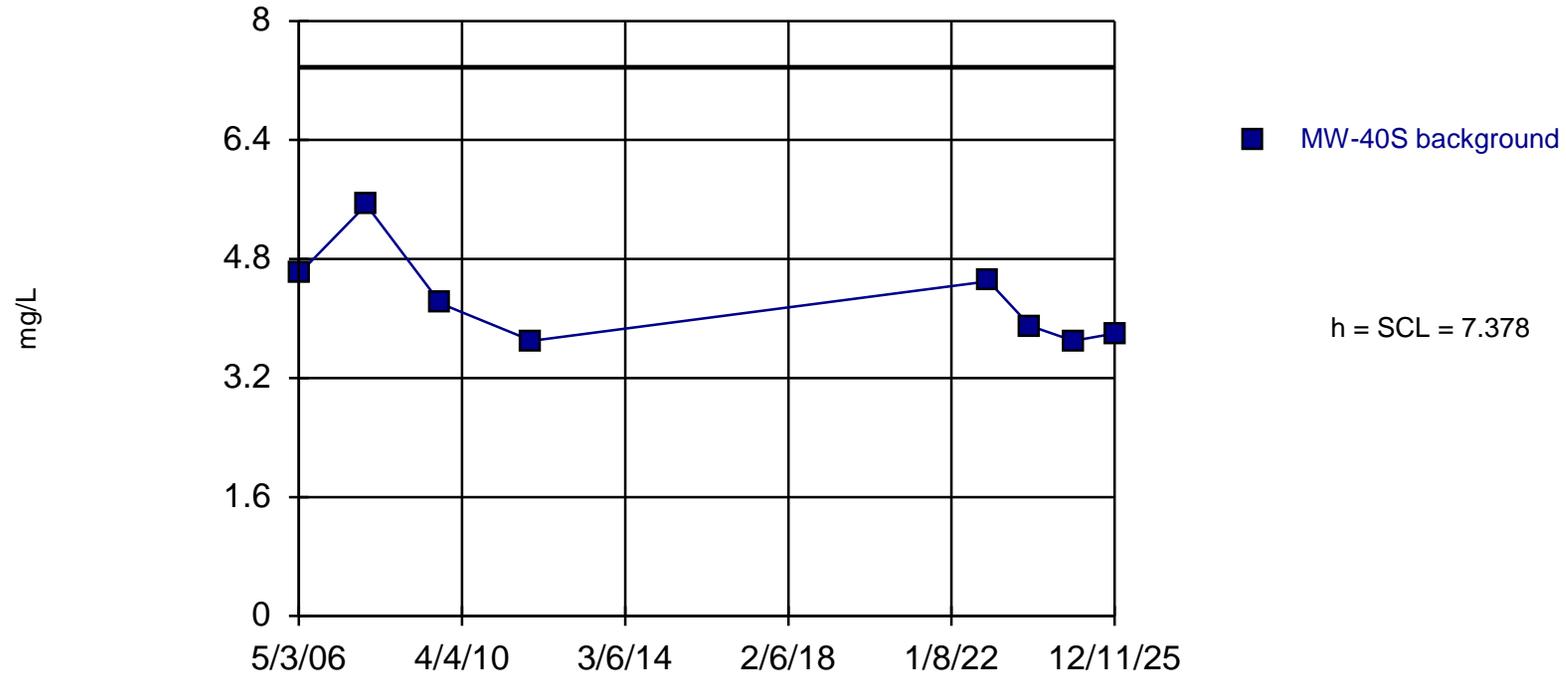
Background Data Summary (after Kaplan-Meier Adjustment): Mean=1.727, Std. Dev.=1.395, n=8, 37.5% NDs.
Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8318, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-40S



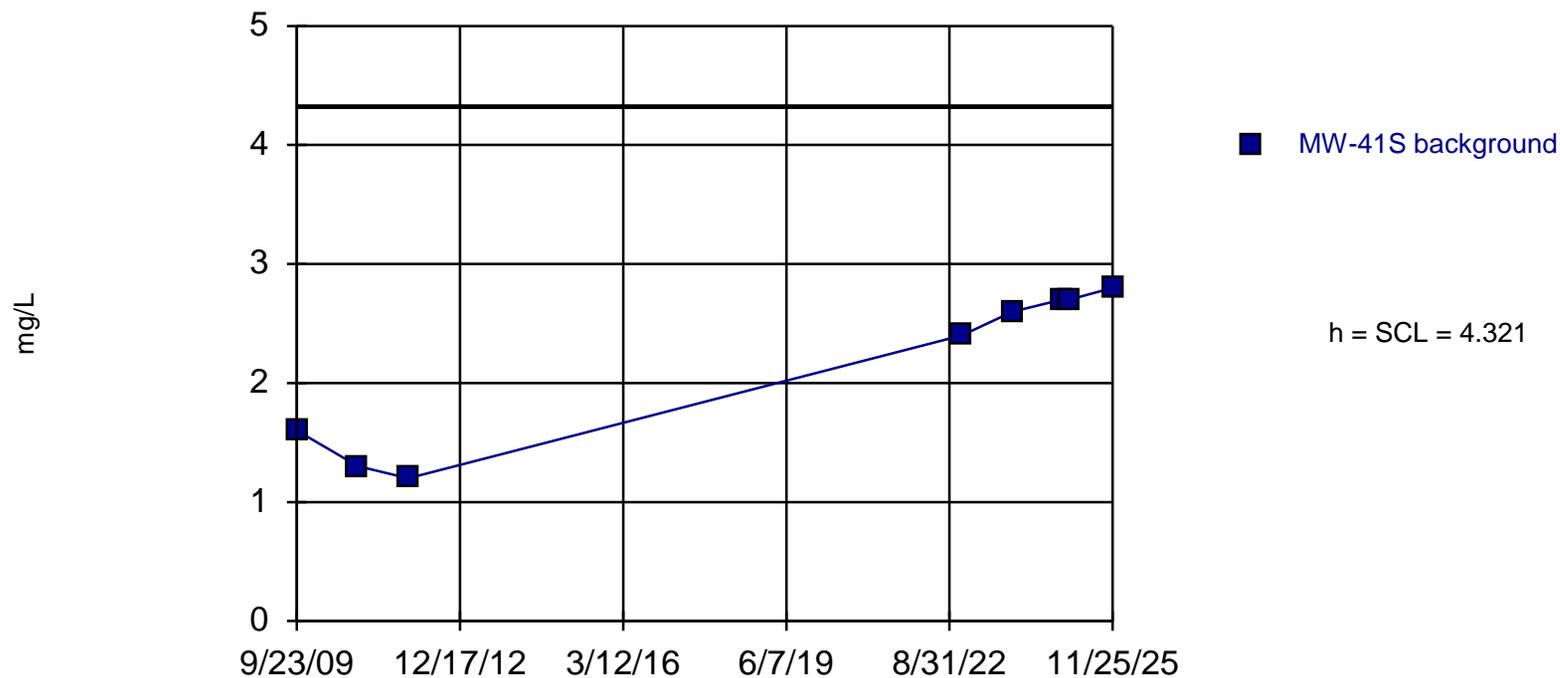
Background Data Summary: Mean=4.241, Std. Dev.=0.6274, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8508, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-41S



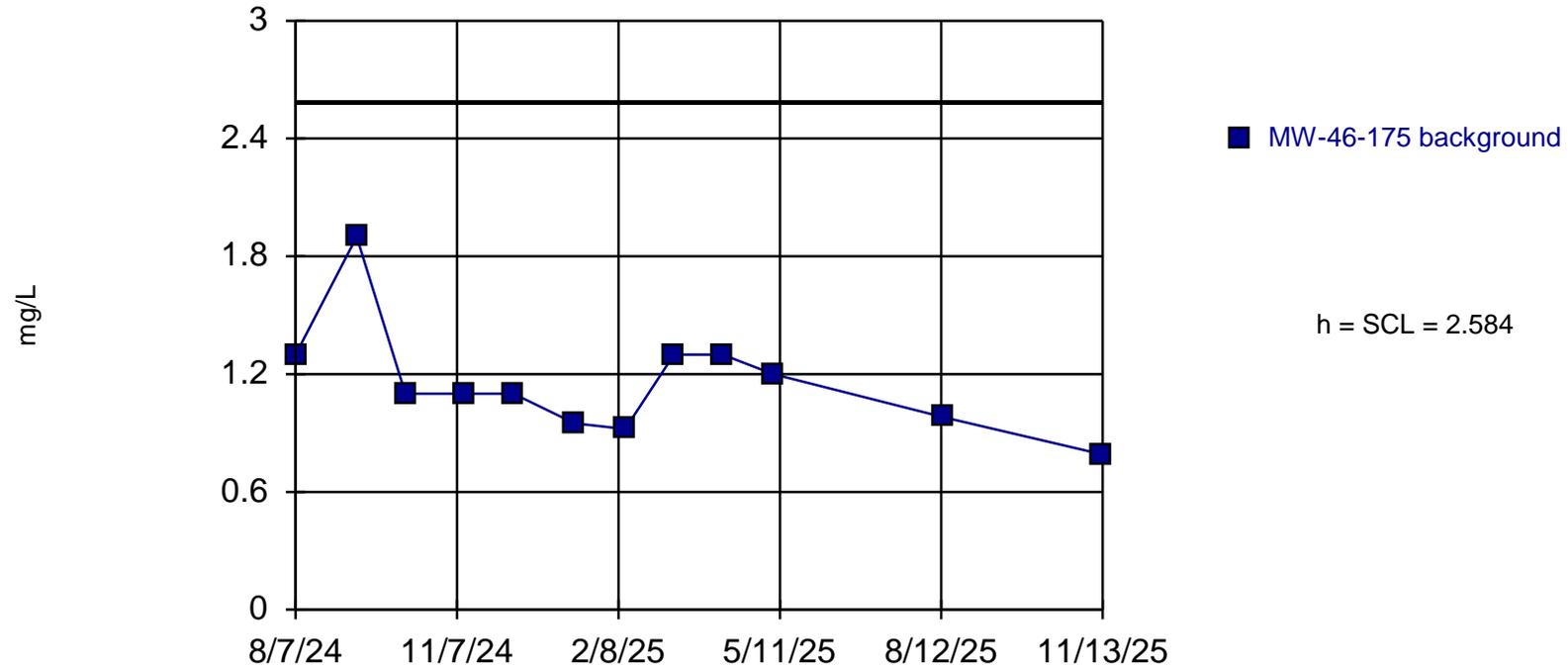
Background Data Summary (based on square transformation): Mean=5.079, Std. Dev.=2.719, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8227, critical = 0.818. Report alpha = 0.001092 (assuming 1 future value). Dates ending 11/25/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-46-175



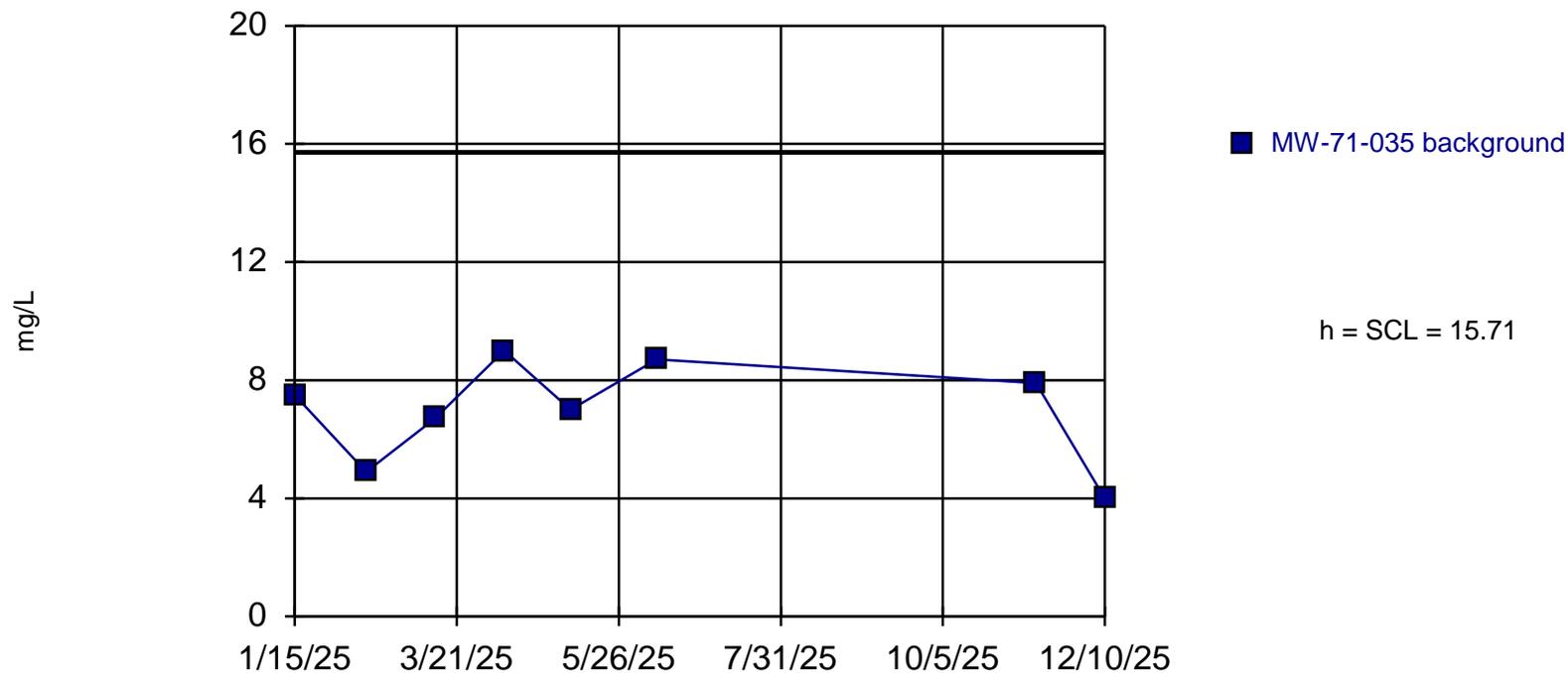
Background Data Summary: Mean=1.162, Std. Dev.=0.2844, n=12. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8628, critical = 0.859. Report alpha = 0.000248 (assuming 1 future value). Dates ending 11/13/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-71-035



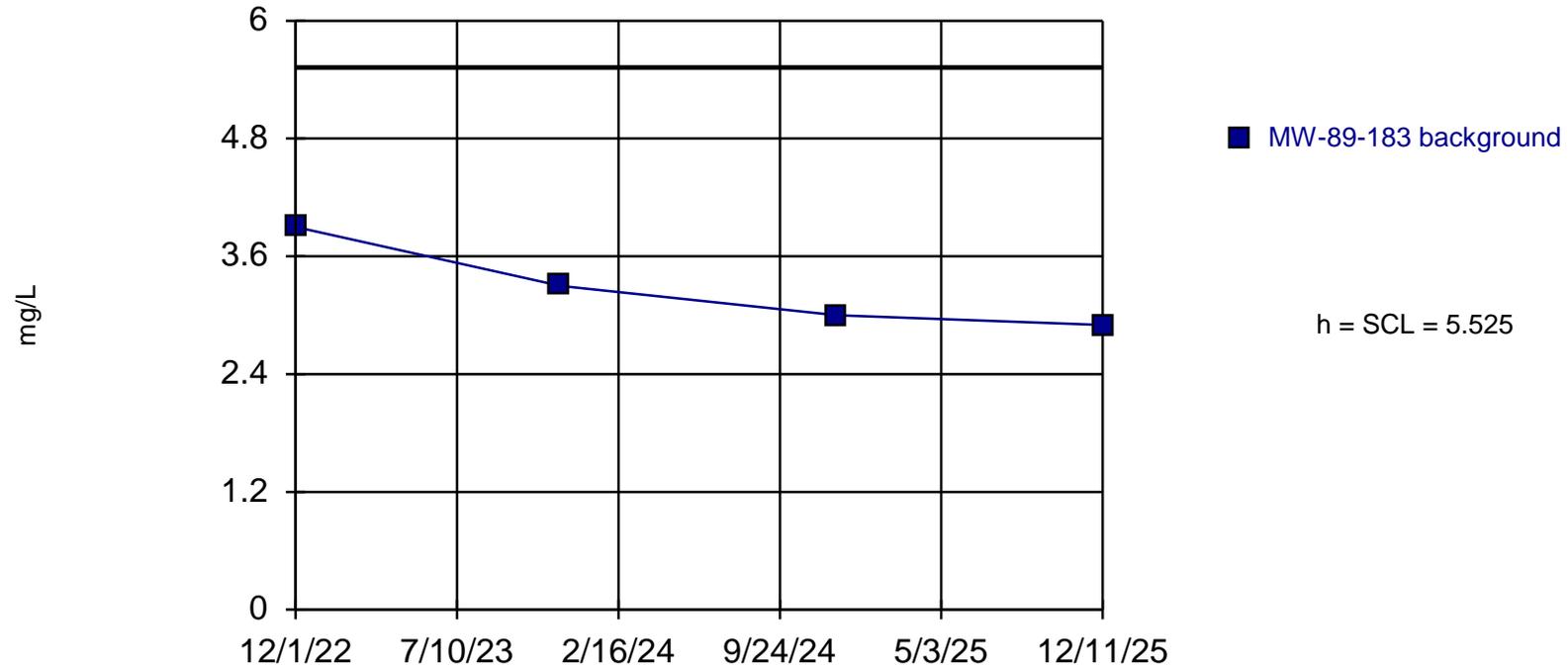
Background Data Summary: Mean=6.963, Std. Dev.=1.75, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9301, critical = 0.818. Report alpha = 0.00102 (assuming 1 future value). Dates ending 12/10/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 3/3/2026 2:11 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-89-183



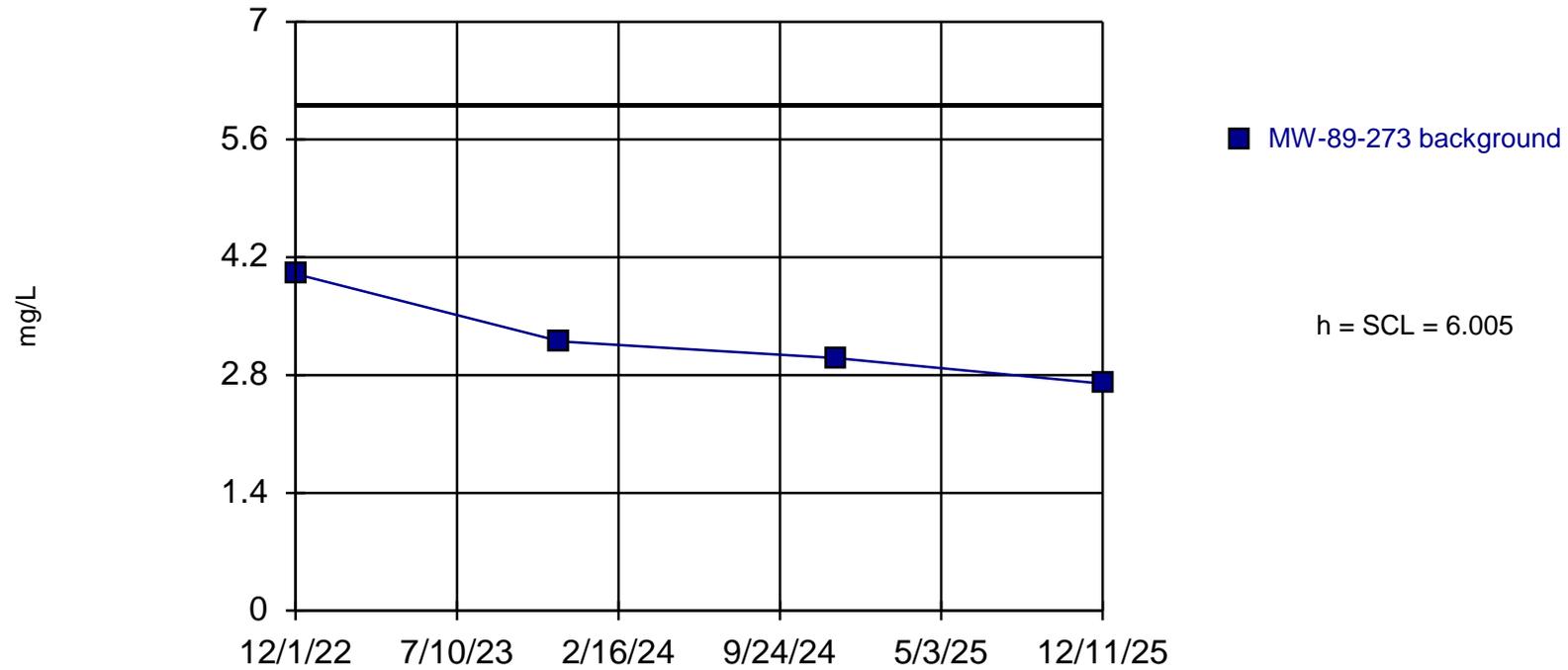
Background Data Summary: Mean=3.275, Std. Dev.=0.45, n=4. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8953, critical = 0.748. Report alpha = 0.01071 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-89-273



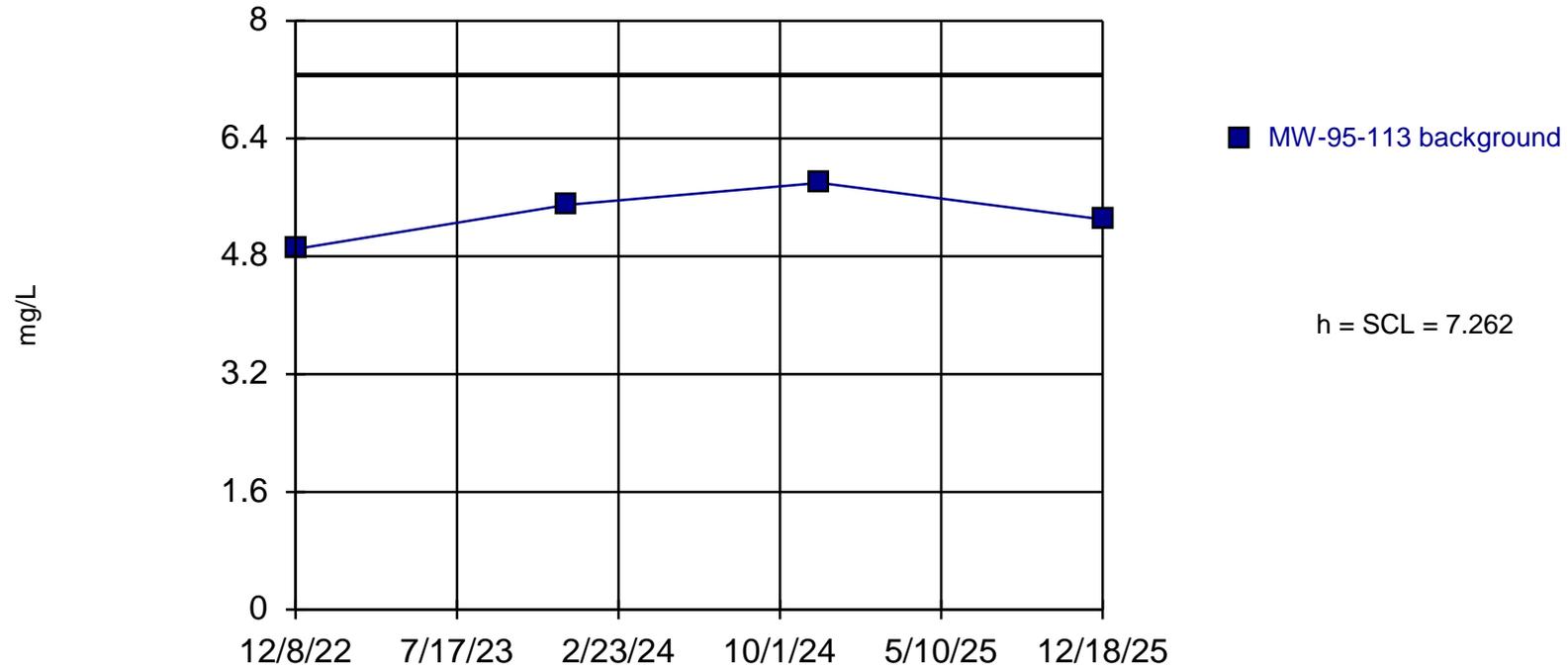
Background Data Summary: Mean=3.225, Std. Dev.=0.556, n=4. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9263, critical = 0.748. Report alpha = 0.01071 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-95-113



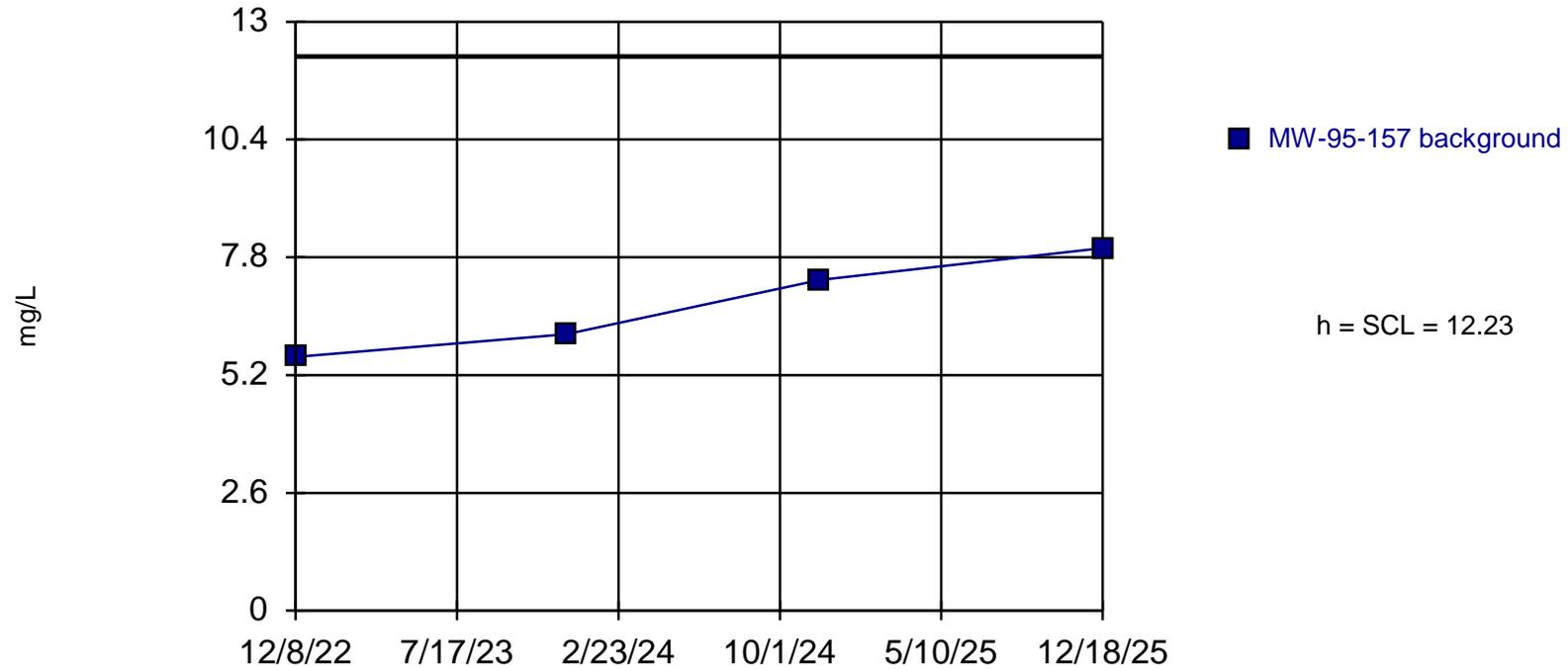
Background Data Summary: Mean=5.375, Std. Dev.=0.3775, n=4. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9945, critical = 0.748. Report alpha = 0.01071 (assuming 1 future value). Dates ending 12/18/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-95-157



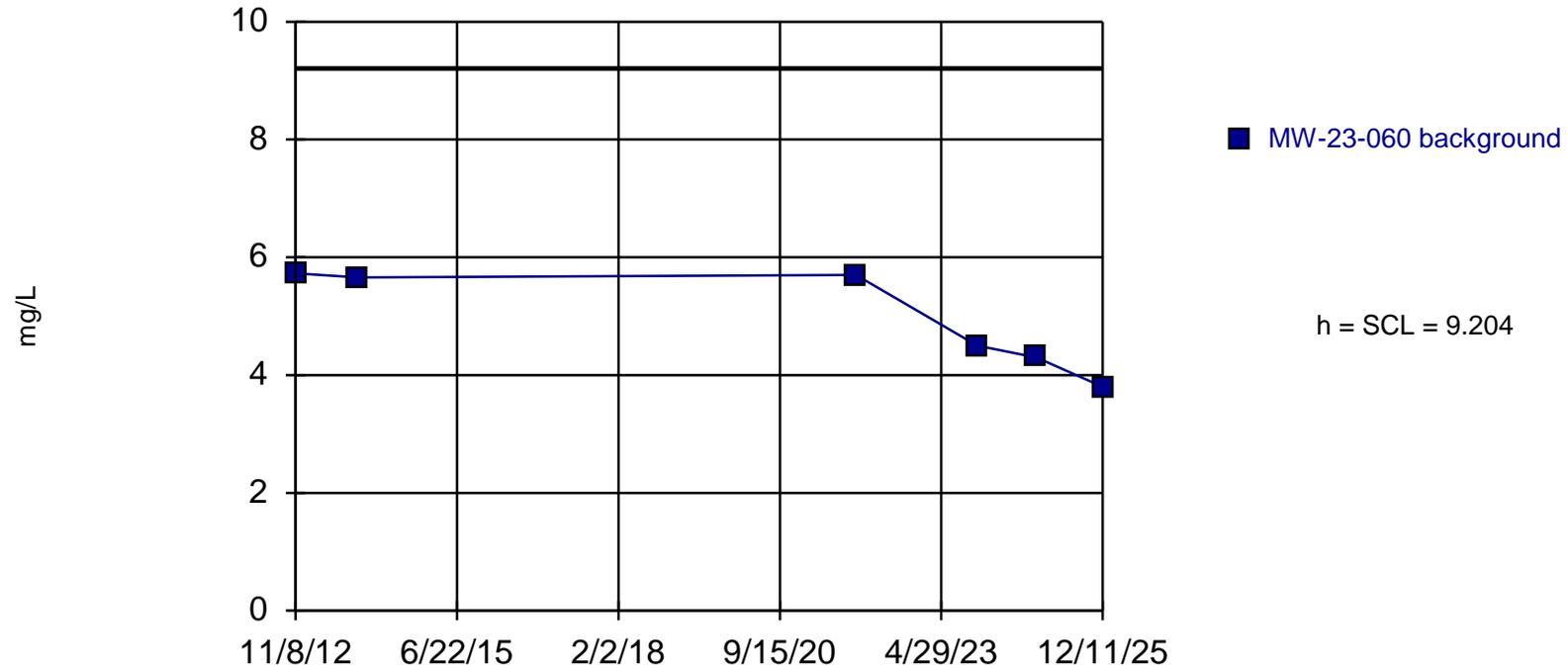
Background Data Summary: Mean=6.75, Std. Dev.=1.097, n=4. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9486, critical = 0.748. Report alpha = 0.01071 (assuming 1 future value). Dates ending 12/18/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate [as nitrogen] Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-23-060



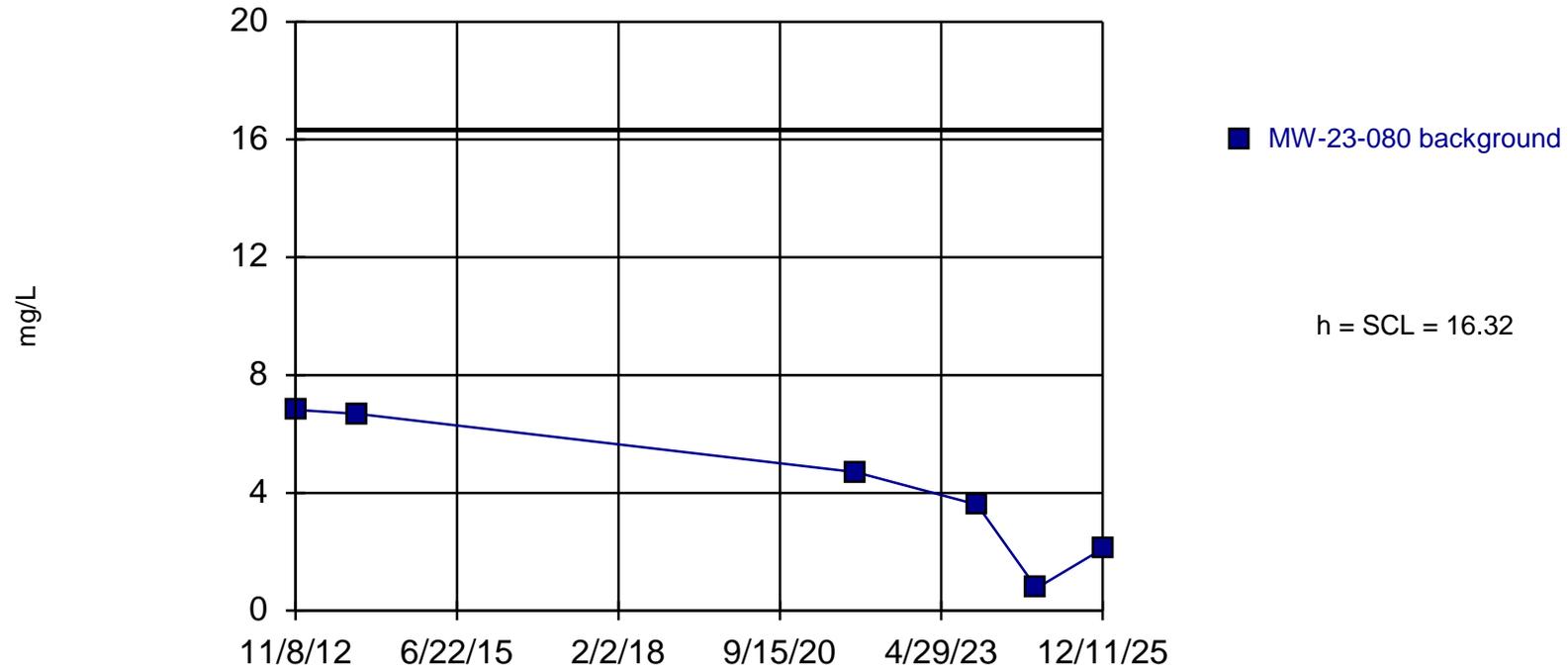
Background Data Summary: Mean=4.948, Std. Dev.=0.8512, n=6. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8315, critical = 0.788. Report alpha = 0.002808 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-23-080



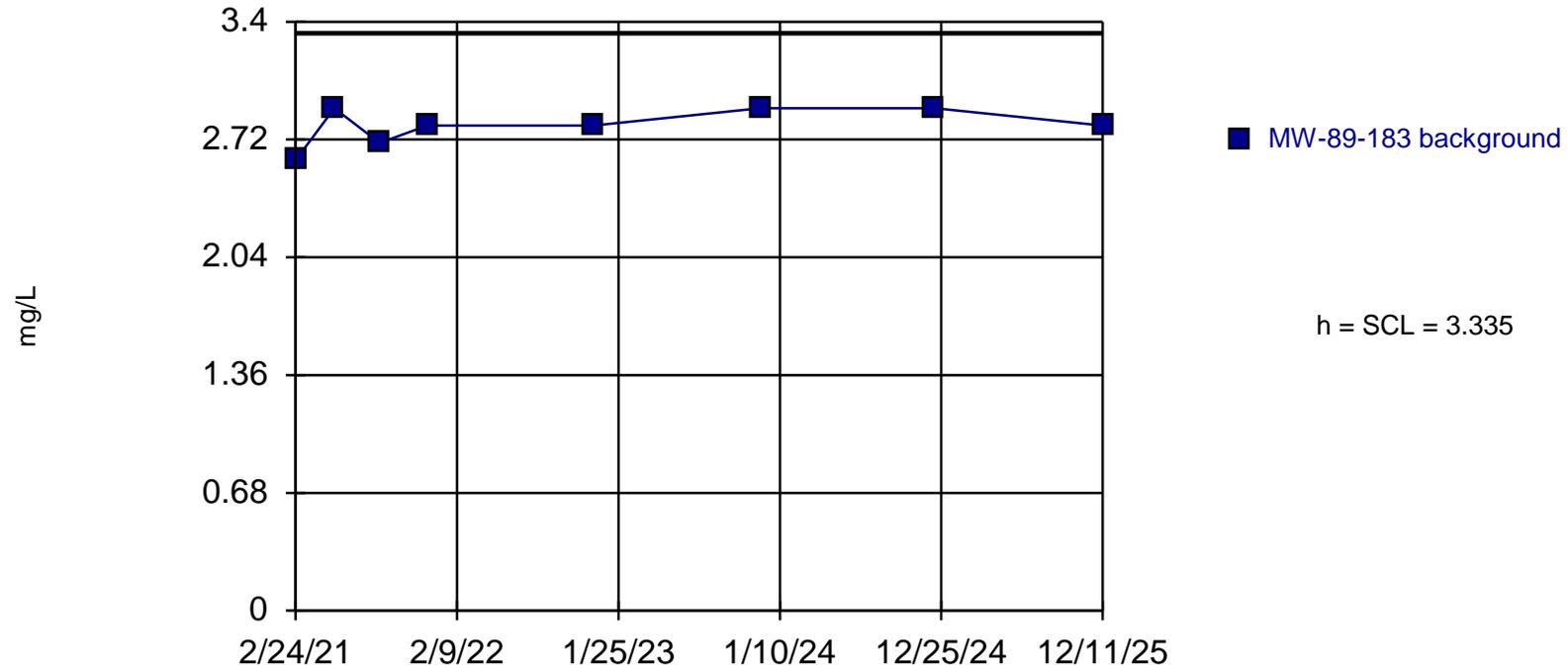
Background Data Summary: Mean=4.11, Std. Dev.=2.442, n=6. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9344, critical = 0.788. Report alpha = 0.002808 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-89-183



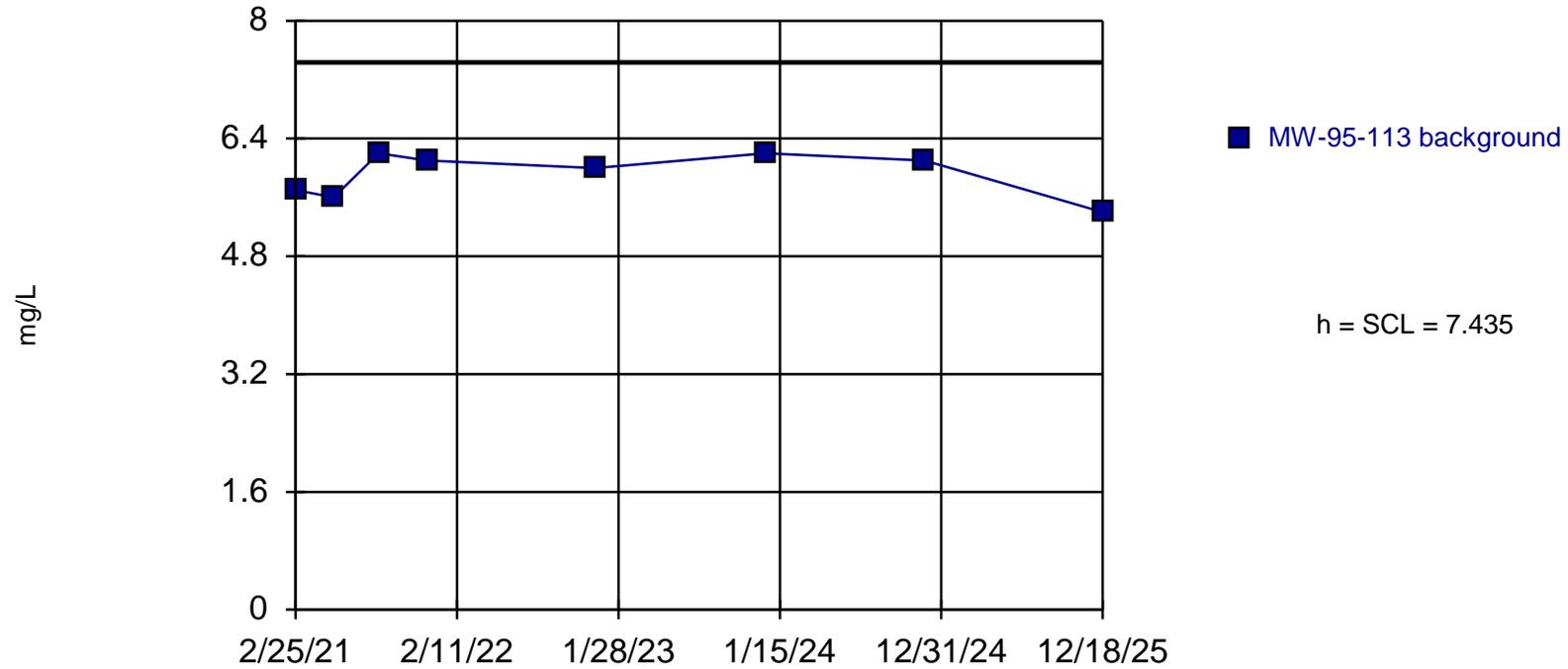
Background Data Summary: Mean=2.8, Std. Dev.=0.1069, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8598, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-95-113



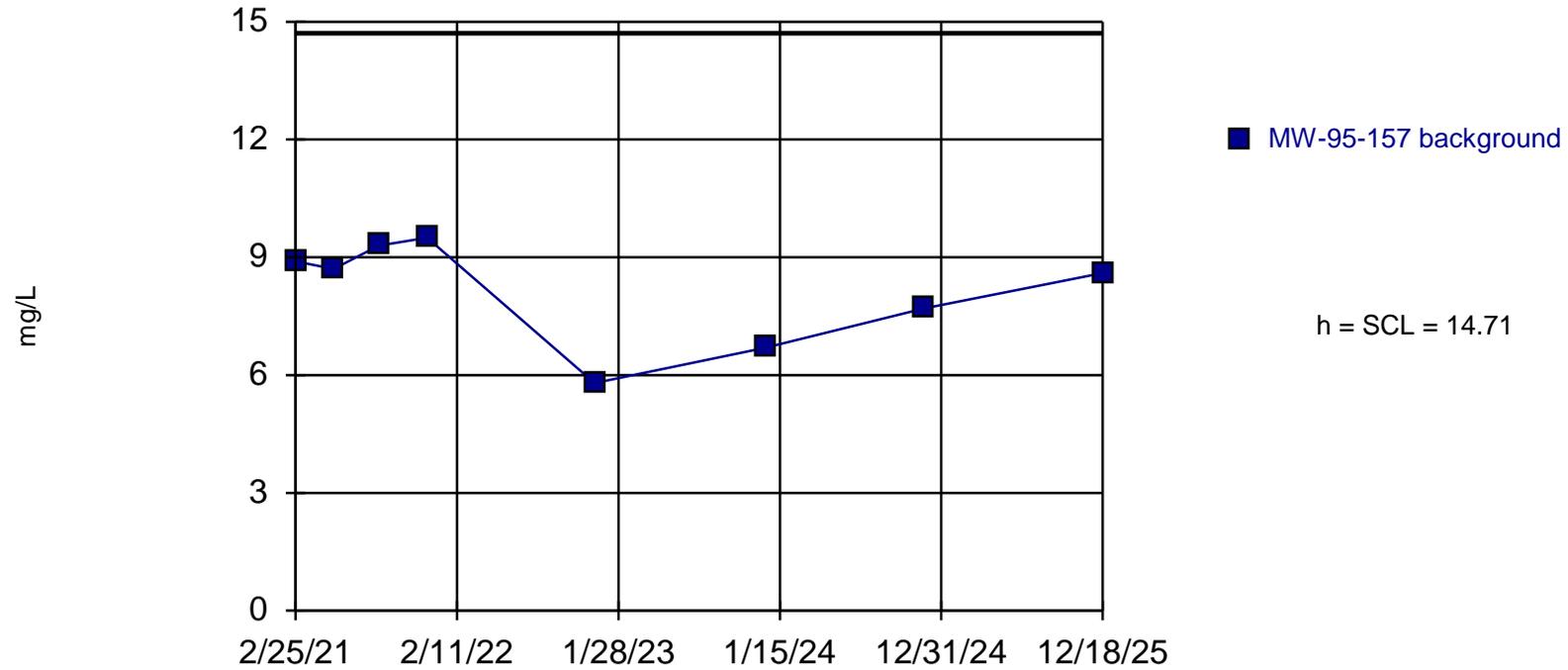
Background Data Summary: Mean=5.913, Std. Dev.=0.3044, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8655, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 12/18/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-95-157



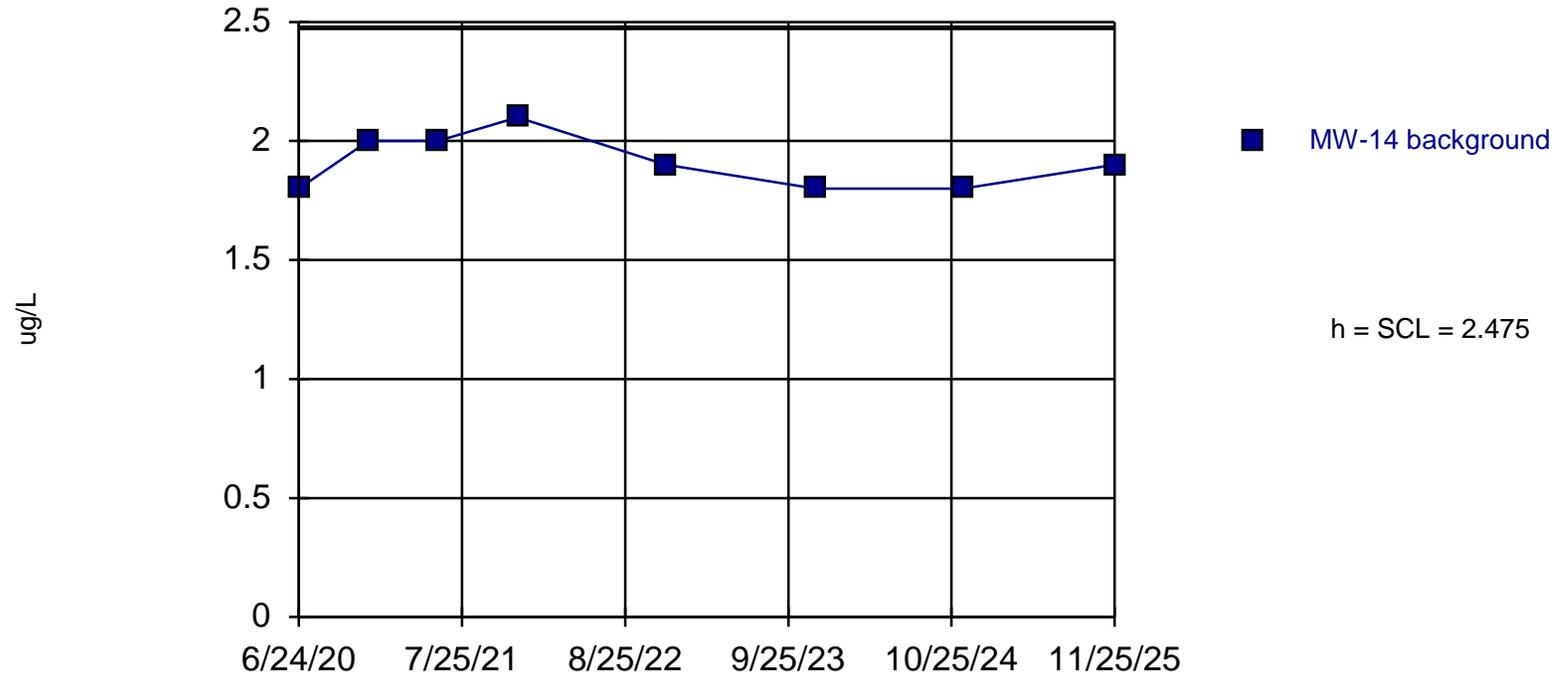
Background Data Summary: Mean=8.15, Std. Dev.=1.311, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8917, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 12/18/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate/Nitrite as Nitrogen Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-14



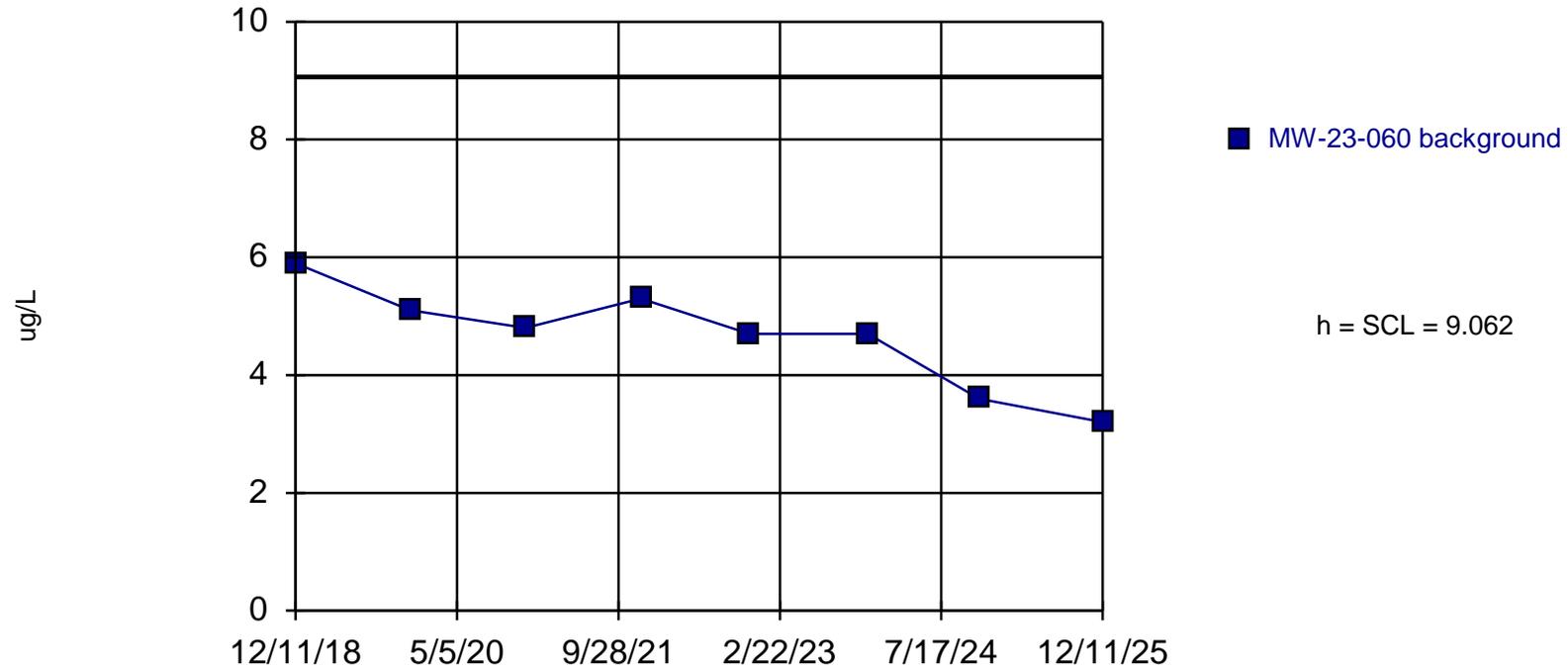
Background Data Summary: Mean=1.913, Std. Dev.=0.1126, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8815, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 11/25/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-23-060



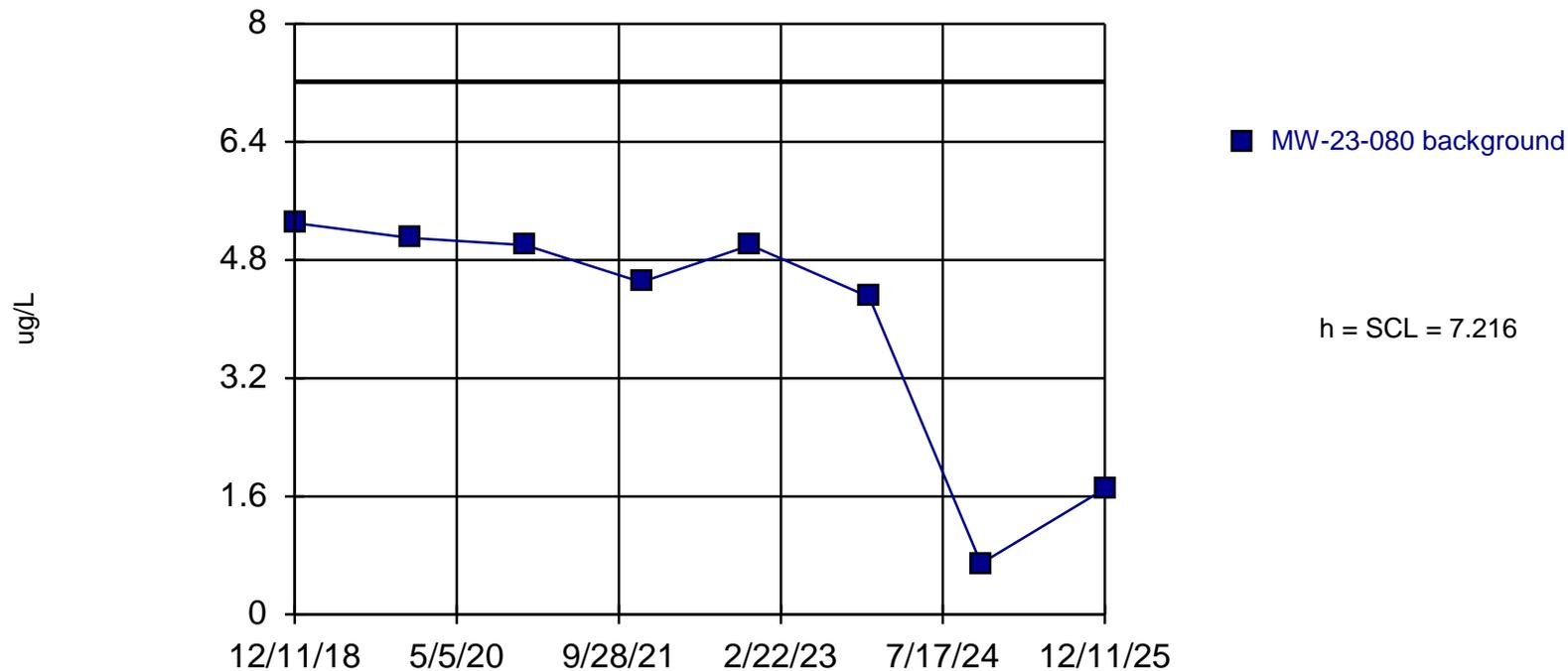
Background Data Summary: Mean=4.663, Std. Dev.=0.8798, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.932, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-23-080



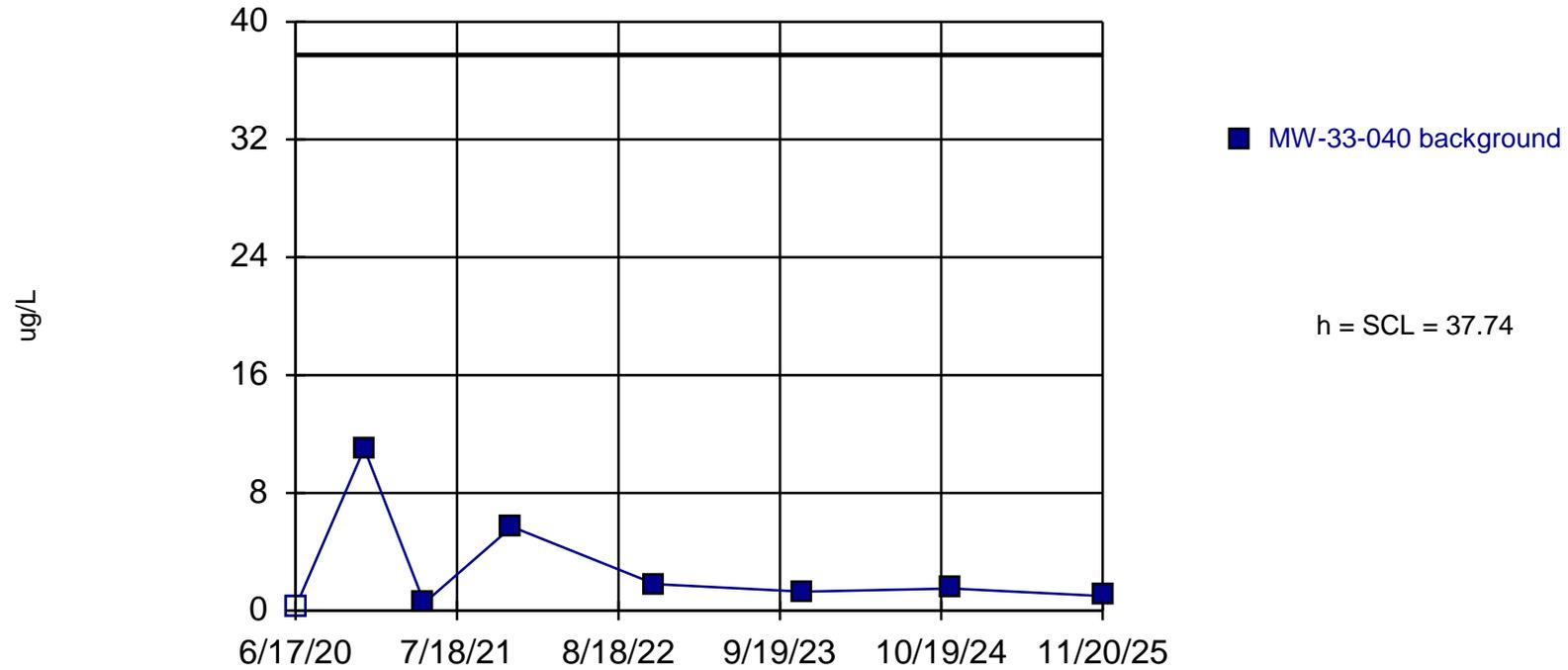
Background Data Summary (based on cube transformation): Mean=88.43, Std. Dev.=57.46, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.85, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-33-040



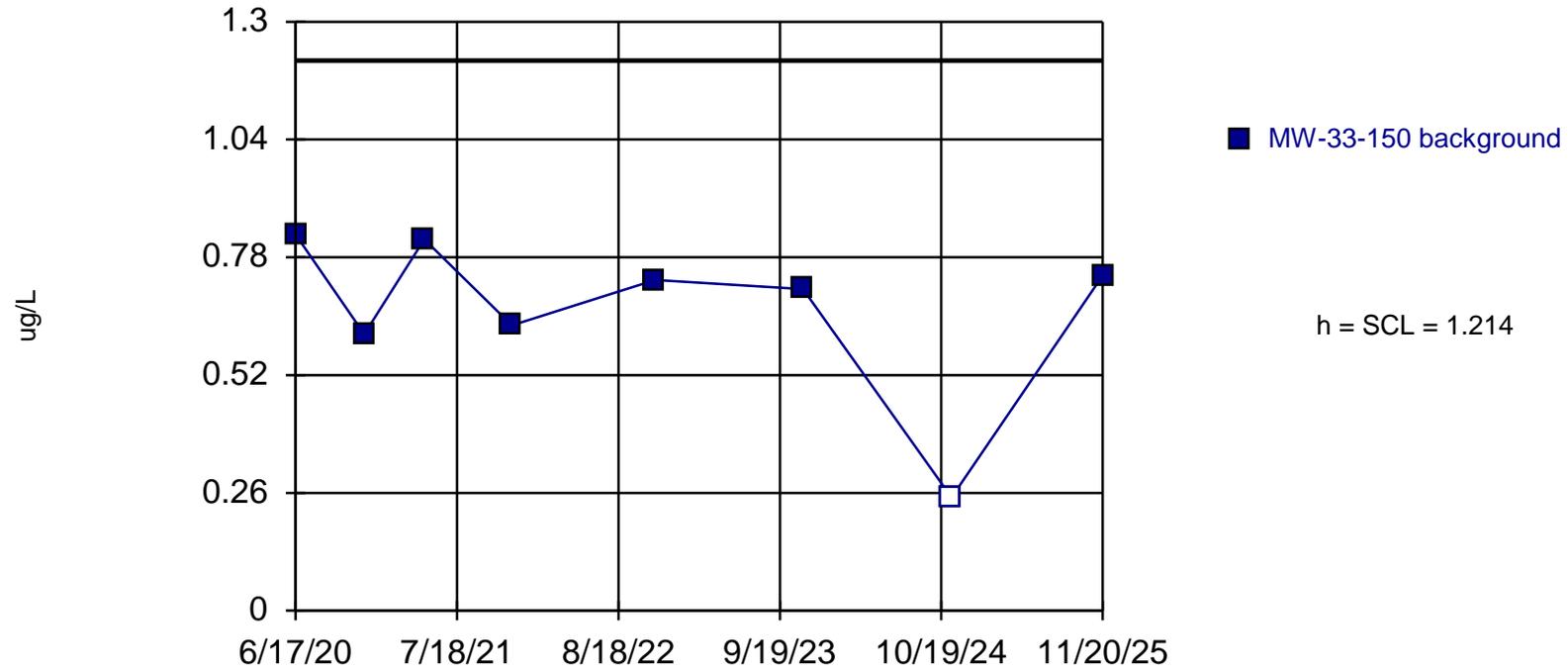
Background Data Summary (based on square root transformation): Mean=1.454, Std. Dev.=0.9379, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8562, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 11/20/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-33-150



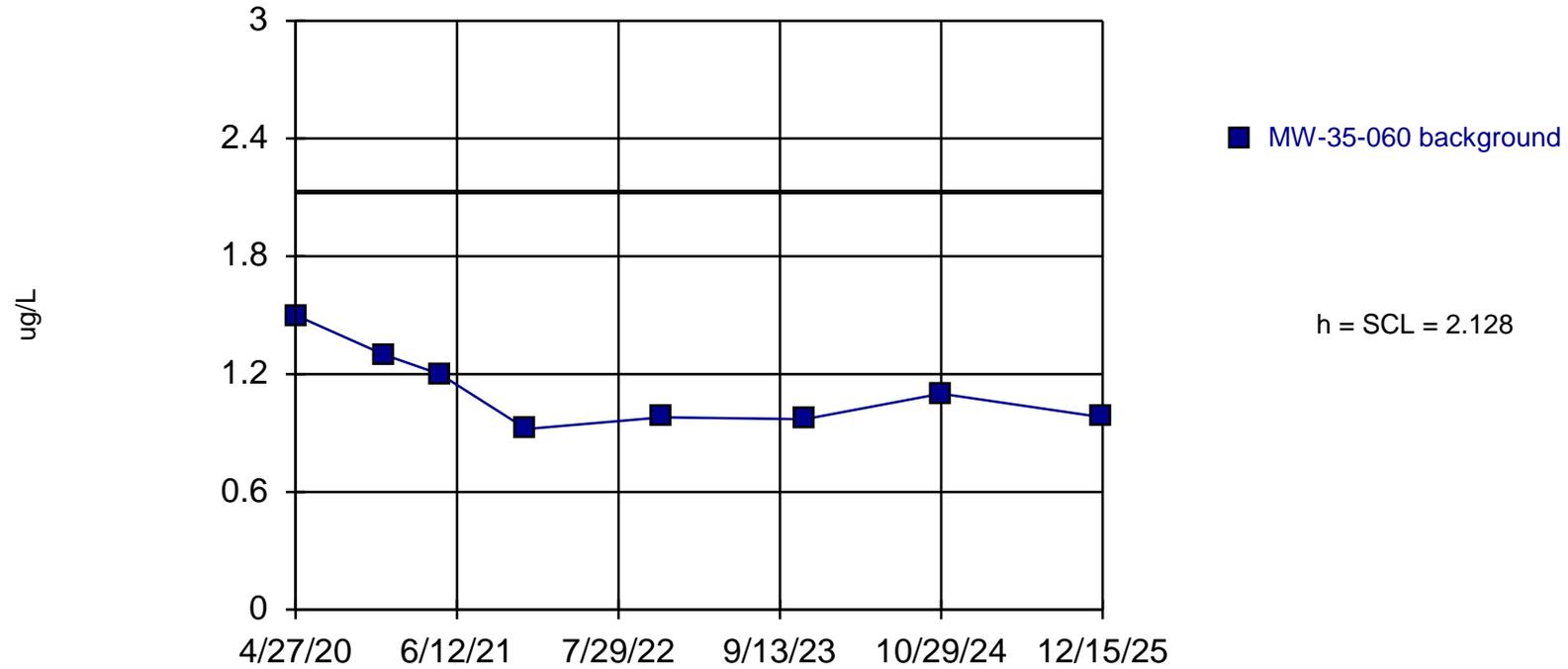
Background Data Summary (based on square transformation): Mean=0.4722, Std. Dev.=0.2003, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8969, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 11/20/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-35-060



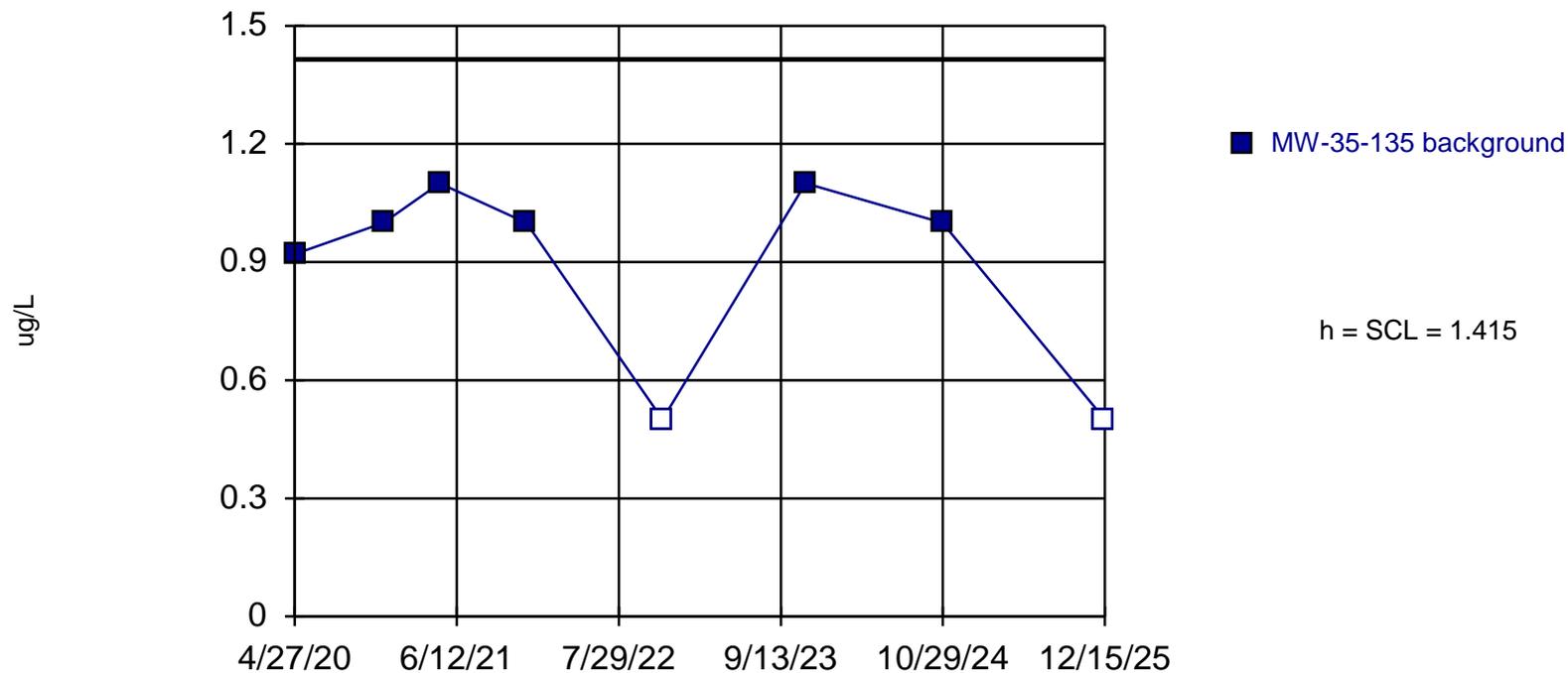
Background Data Summary: Mean=1.119, Std. Dev.=0.2019, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8781, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 12/15/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-35-135



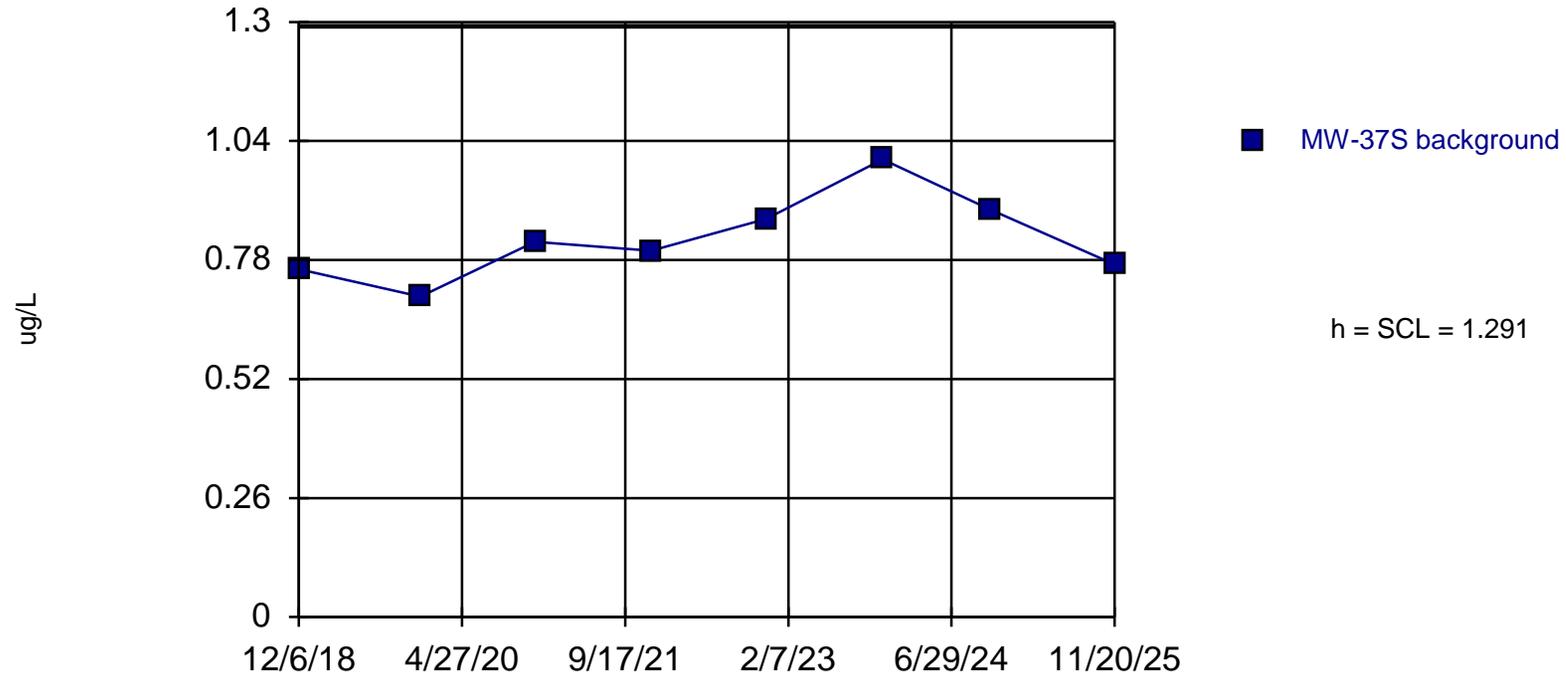
Background Data Summary (based on cube transformation) (after Kaplan-Meier Adjustment): Mean=0.5622, Std. Dev.=0.454, n=8, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8344, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 12/15/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-37S



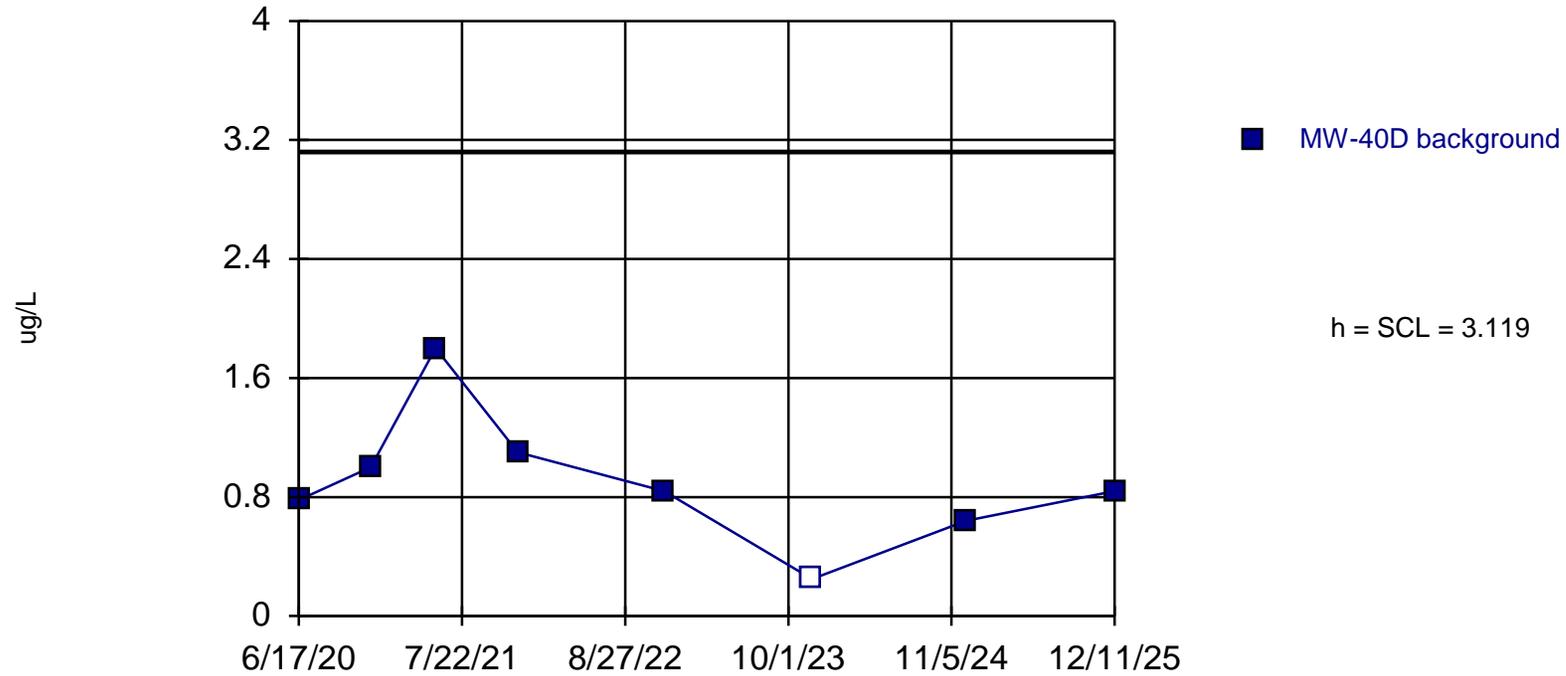
Background Data Summary: Mean=0.8263, Std. Dev.=0.09288, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9638, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 11/20/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-40D



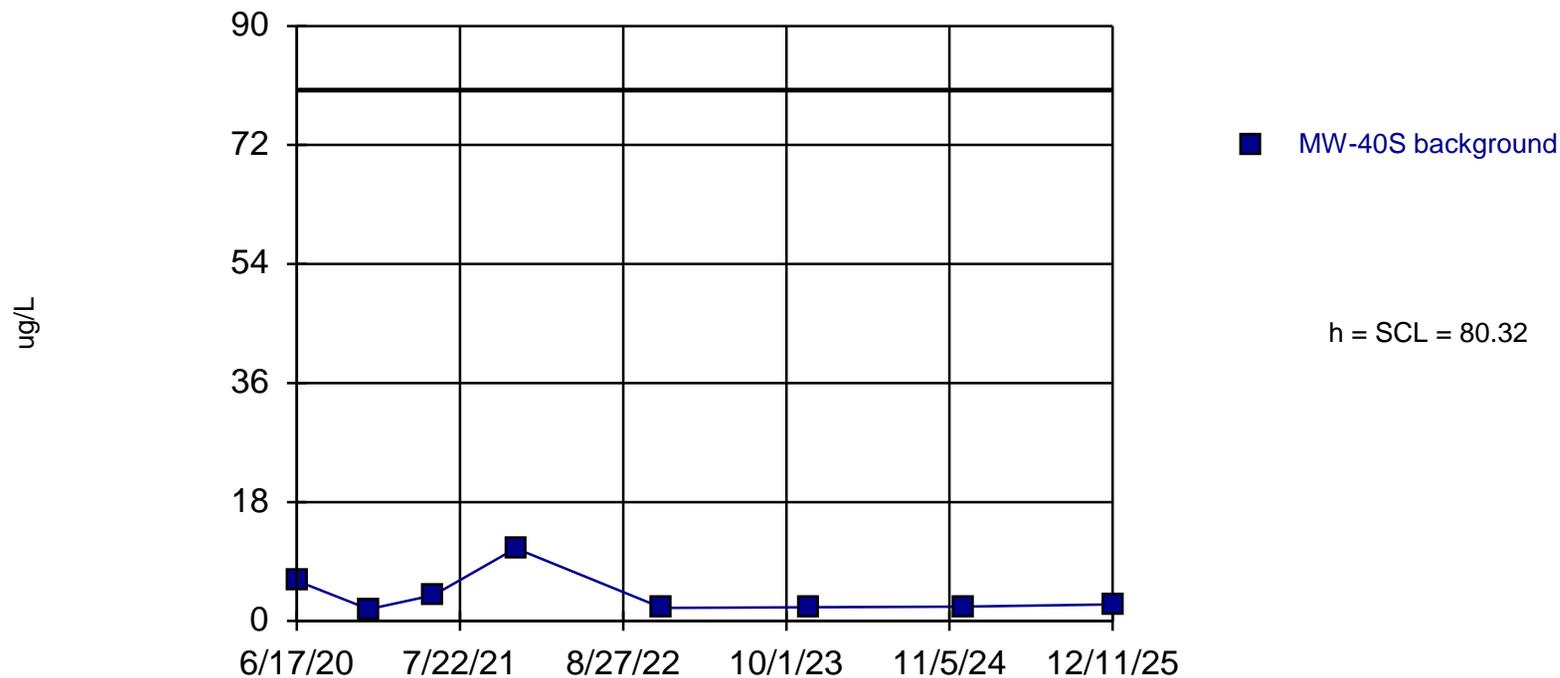
Background Data Summary: Mean=0.9063, Std. Dev.=0.4426, n=8, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9179, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-40S



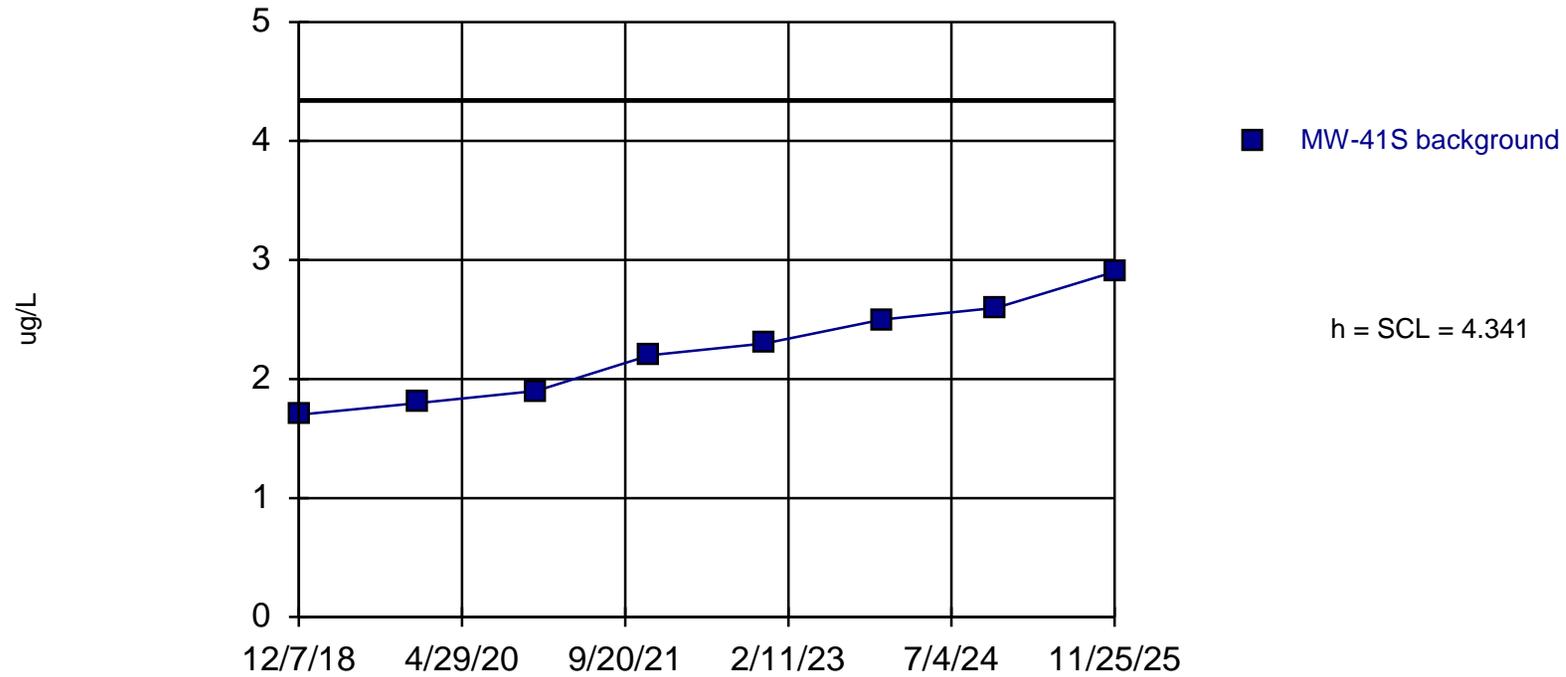
Background Data Summary (based on natural log transformation): Mean=1.162, Std. Dev.=0.6448, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8397, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-41S



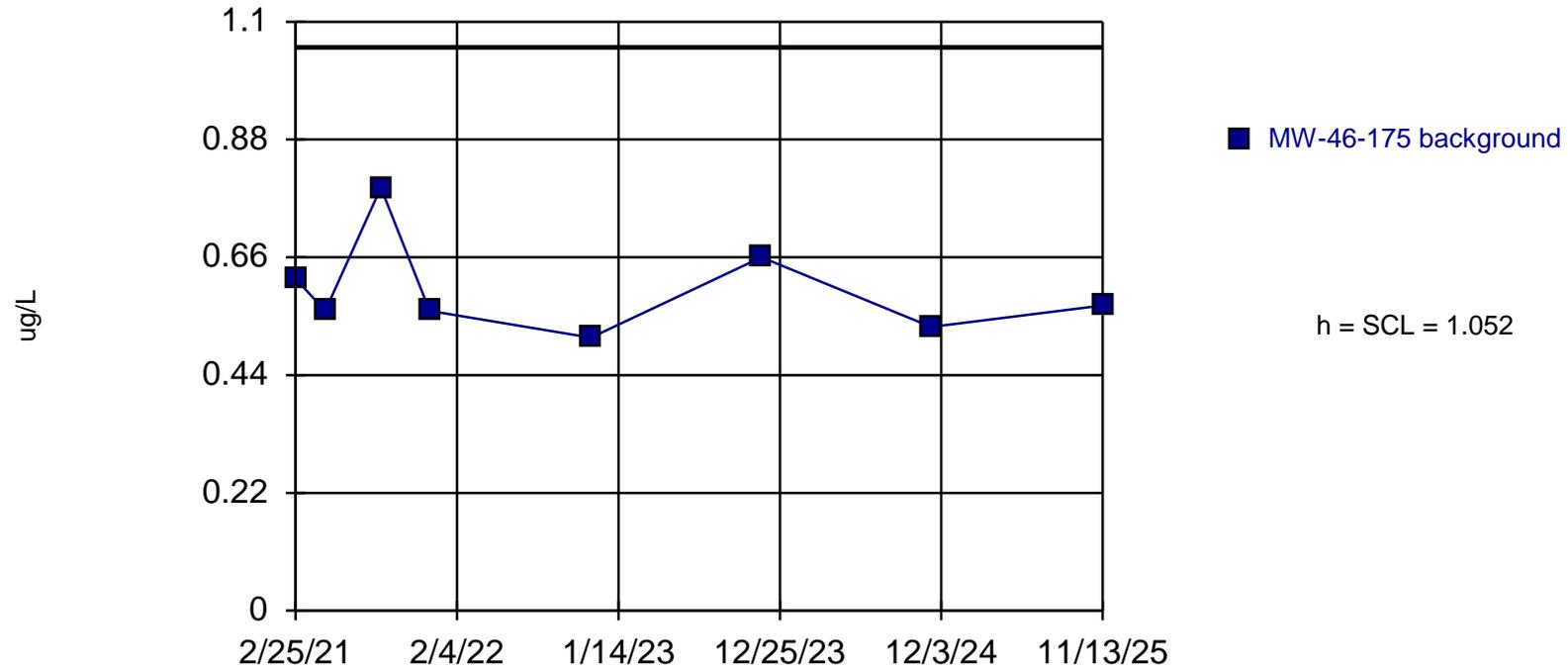
Background Data Summary: Mean=2.238, Std. Dev.=0.4207, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9583, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 11/25/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:48 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-46-175



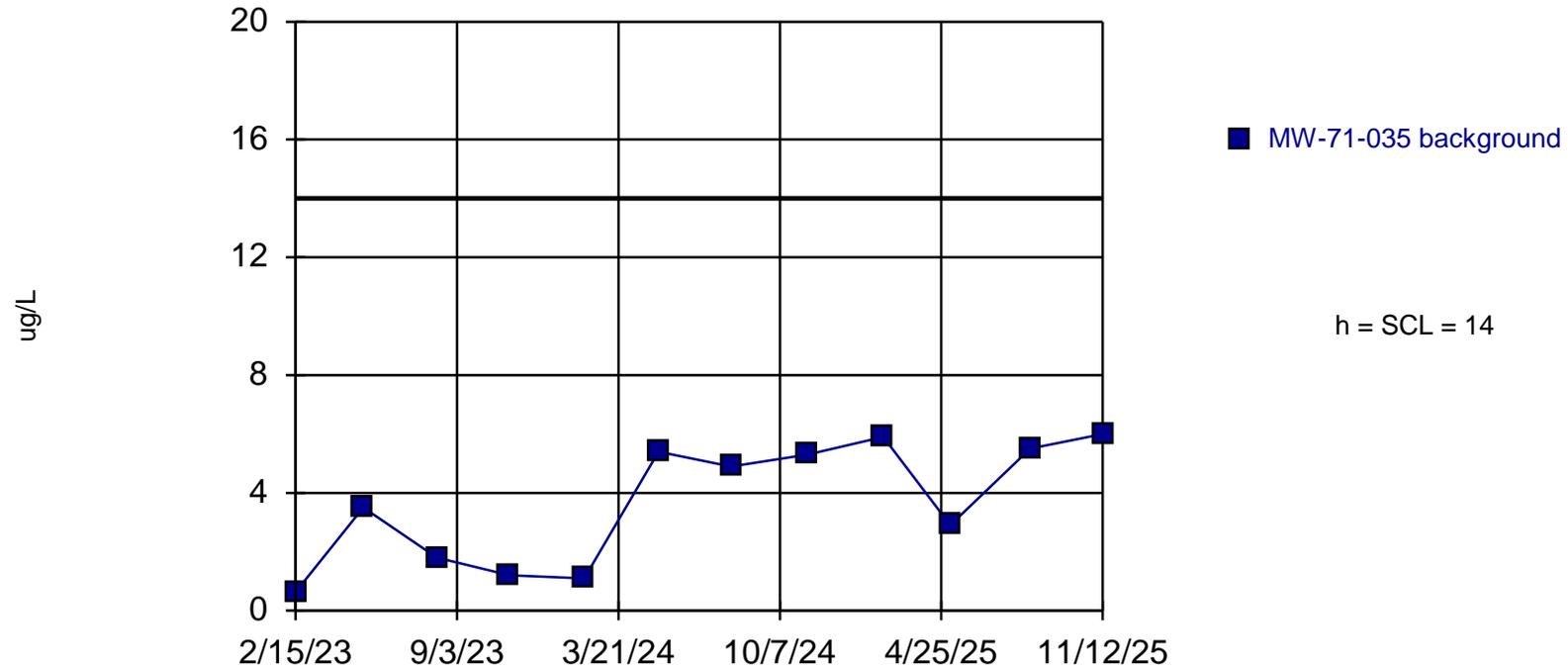
Background Data Summary: Mean=0.6, Std. Dev.=0.0904, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8586, critical = 0.818. Report alpha = 0.001194 (assuming 1 future value). Dates ending 11/13/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:49 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-71-035



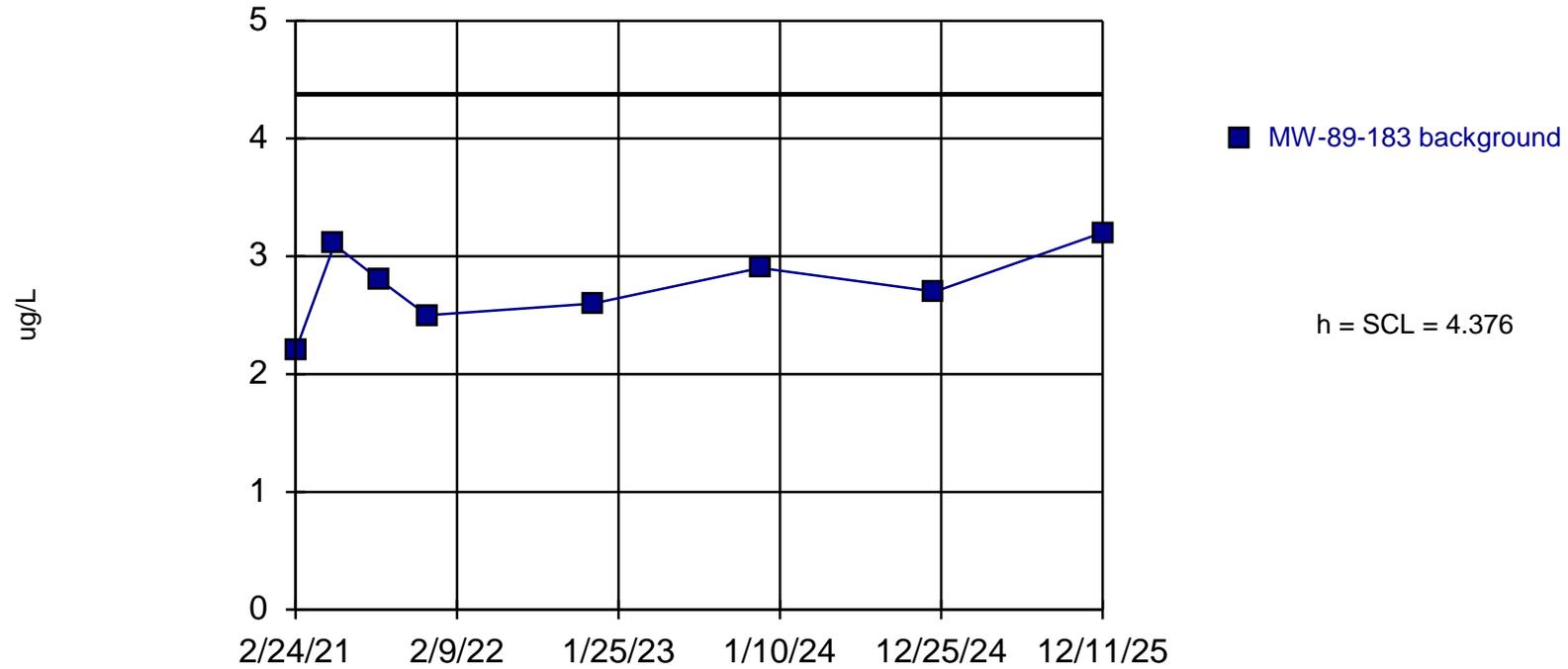
Background Data Summary: Mean=3.678, Std. Dev.=2.065, n=12. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8661, critical = 0.859. Report alpha = 0.000292 (assuming 1 future value). Dates ending 11/12/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:49 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-89-183



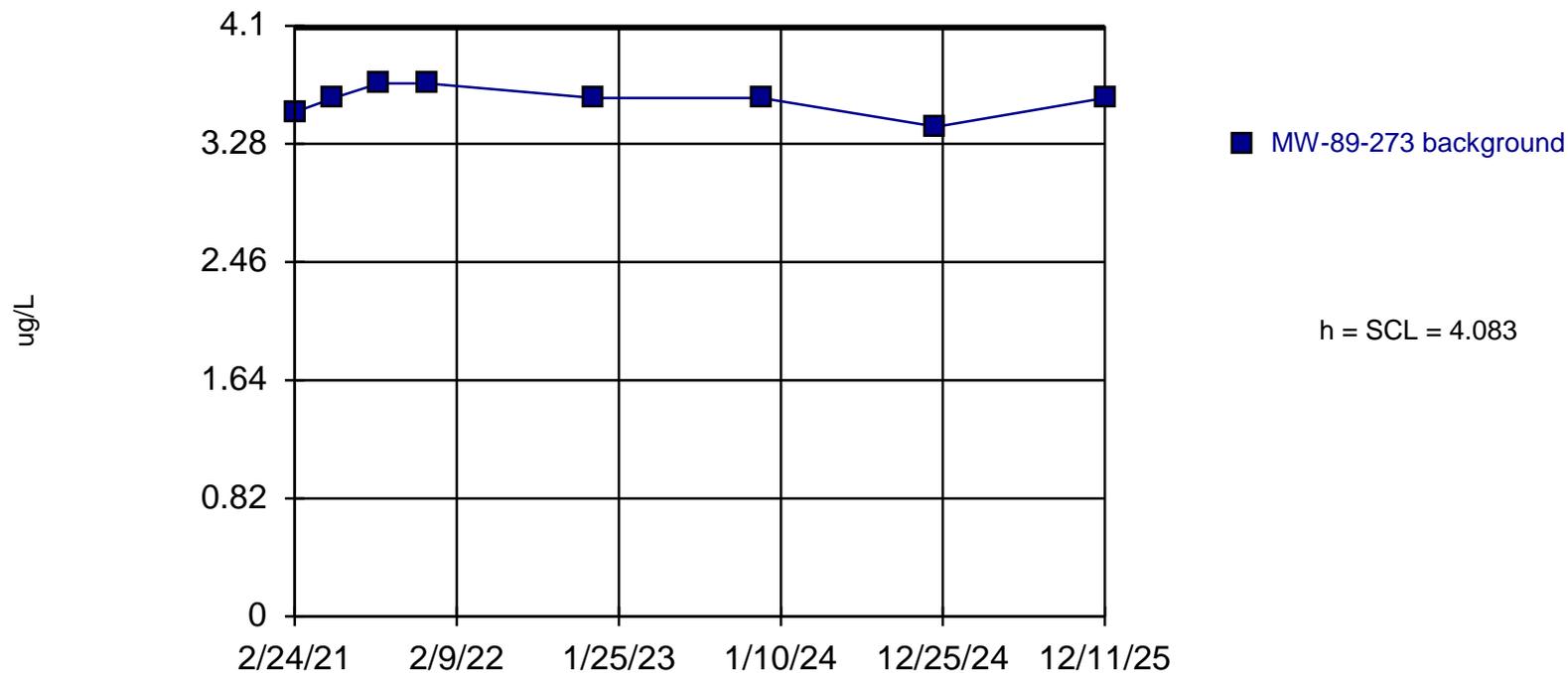
Background Data Summary: Mean=2.75, Std. Dev.=0.3251, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9831, critical = 0.818. Report alpha = 0.00098 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:49 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-89-273



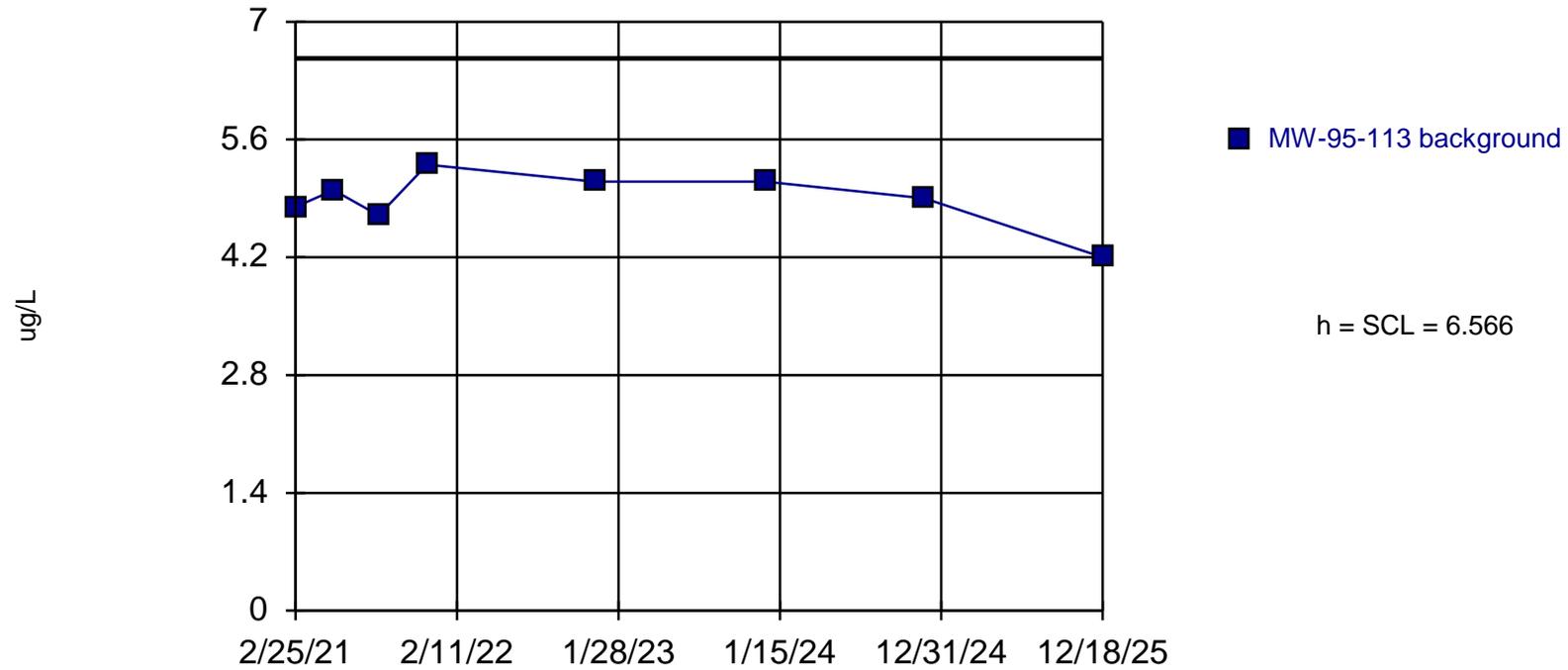
Background Data Summary: Mean=3.588, Std. Dev.=0.0991, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.872, critical = 0.818. Report alpha = 0.00098 (assuming 1 future value). Dates ending 12/11/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:49 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-95-113



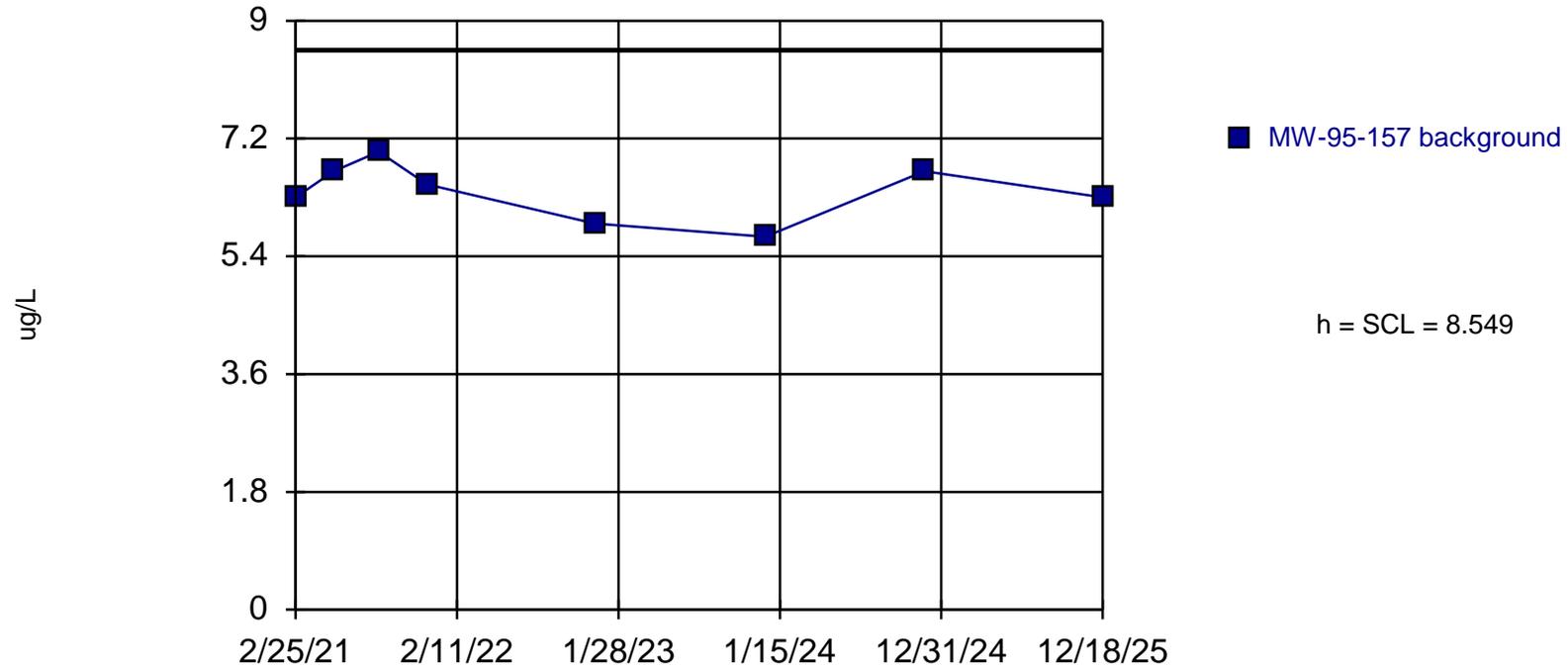
Background Data Summary: Mean=4.888, Std. Dev.=0.3357, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9164, critical = 0.818. Report alpha = 0.00098 (assuming 1 future value). Dates ending 12/18/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:49 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Control Chart

MW-95-157



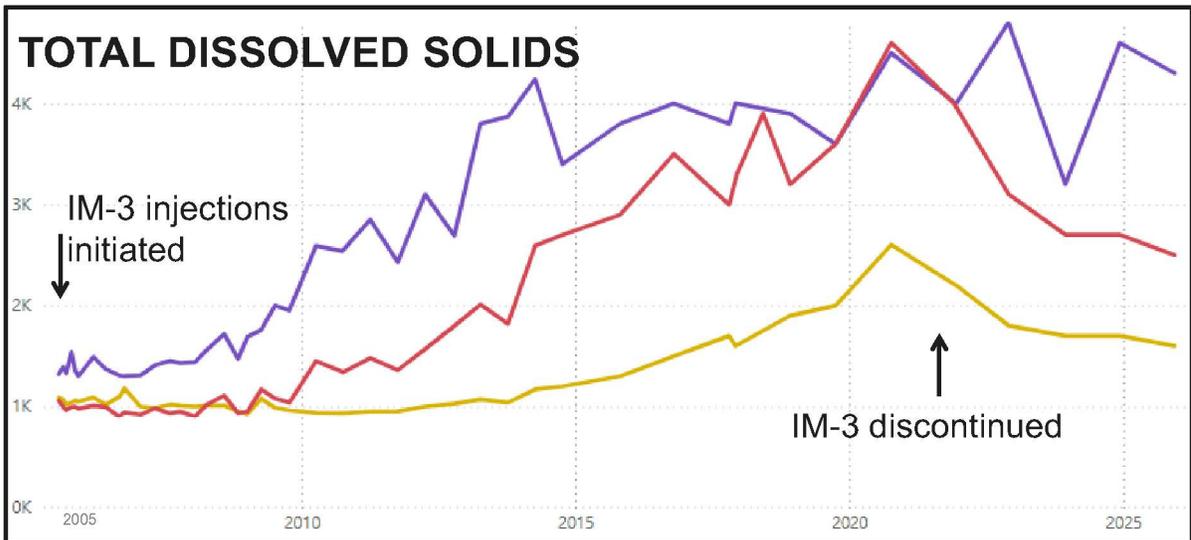
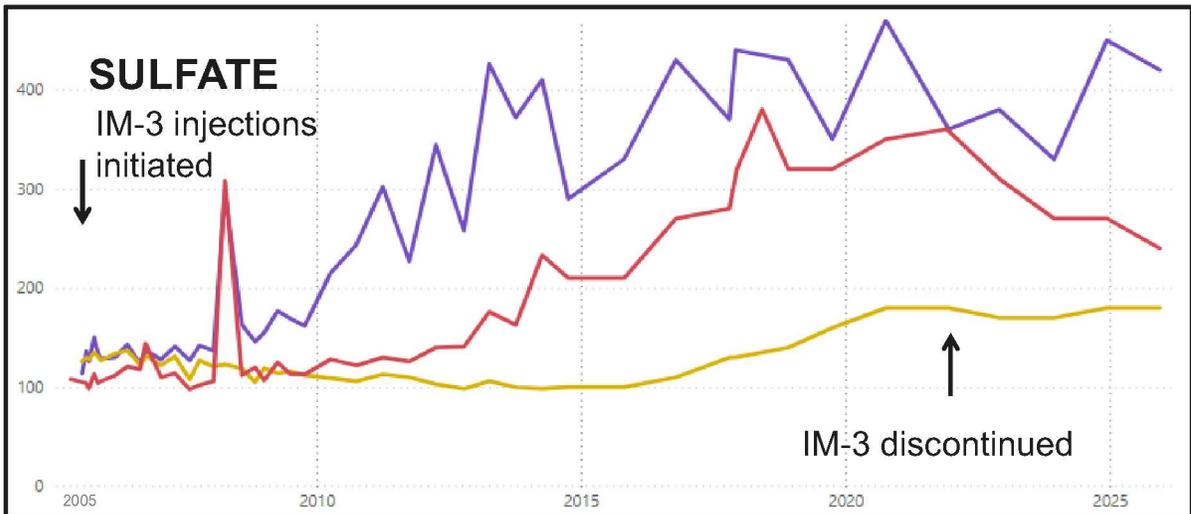
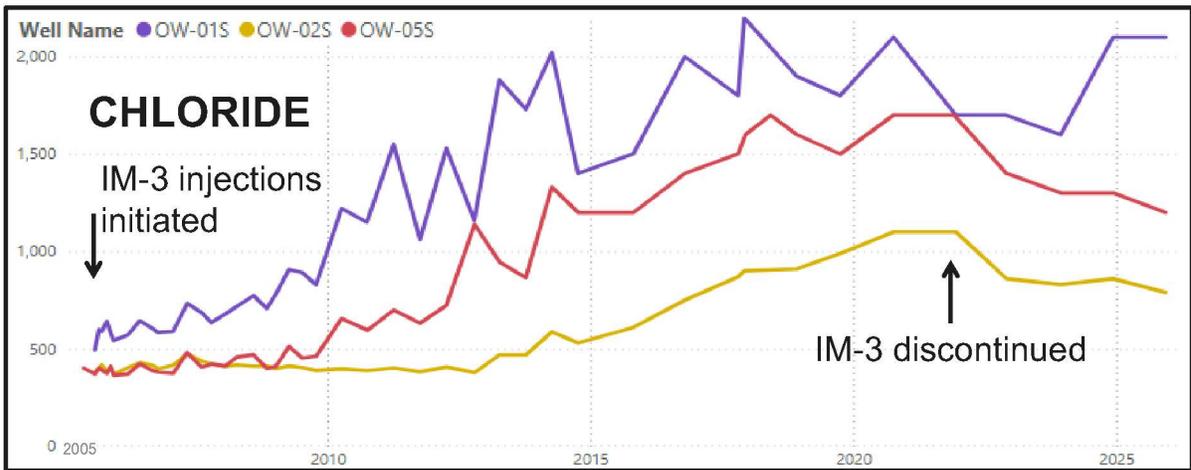
Background Data Summary: Mean=6.388, Std. Dev.=0.4324, n=8. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9599, critical = 0.818. Report alpha = 0.00098 (assuming 1 future value). Dates ending 12/18/2025 used for control stats. Standardized h=5, SCL=5.

Constituent: Selenium, dissolved Analysis Run 2/18/2026 5:49 PM

Topock Compressor Station Client: PG&E Data: 2026 Flat File to Append Sanitas Dataset

Appendix F

Former IM-3 Injection Area Monitoring Results



Notes:

S = shallow interval

K = thousand

Chloride (mg/L)

Sulfate (mg/L)

Total Dissolved Solids (mg/L)

milligrams per liter (mg/L)

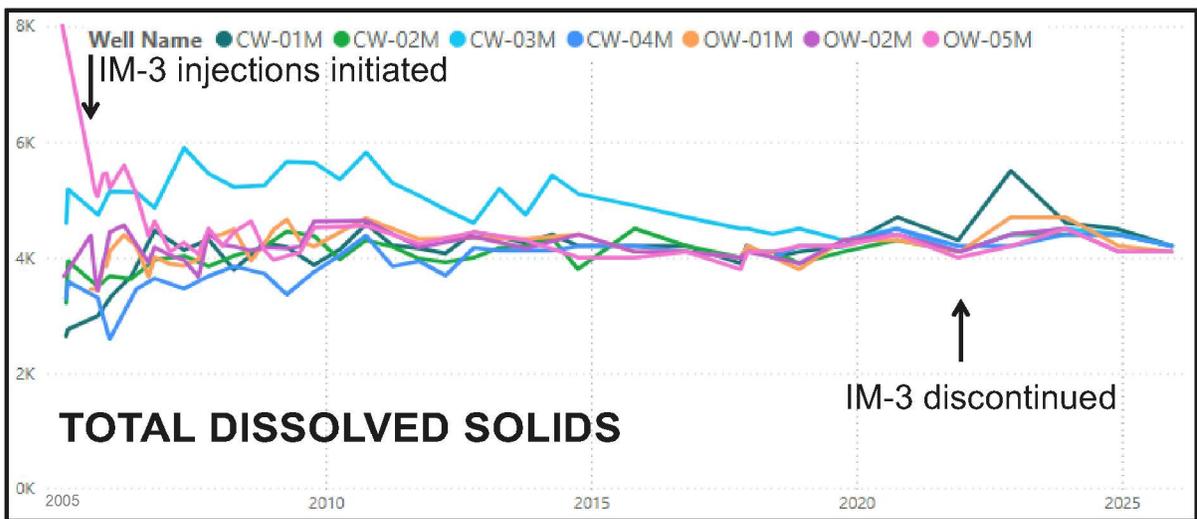
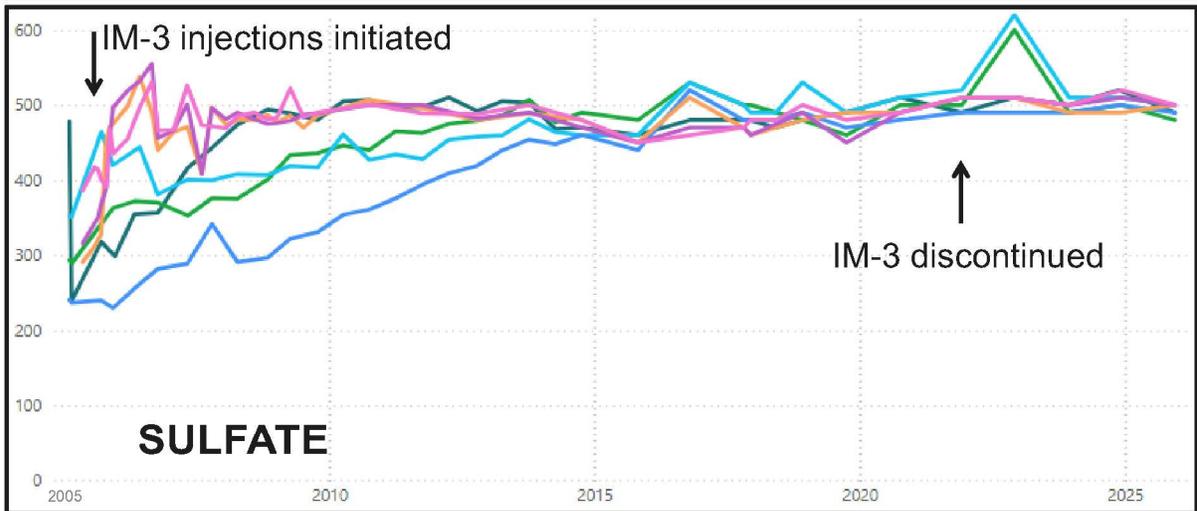
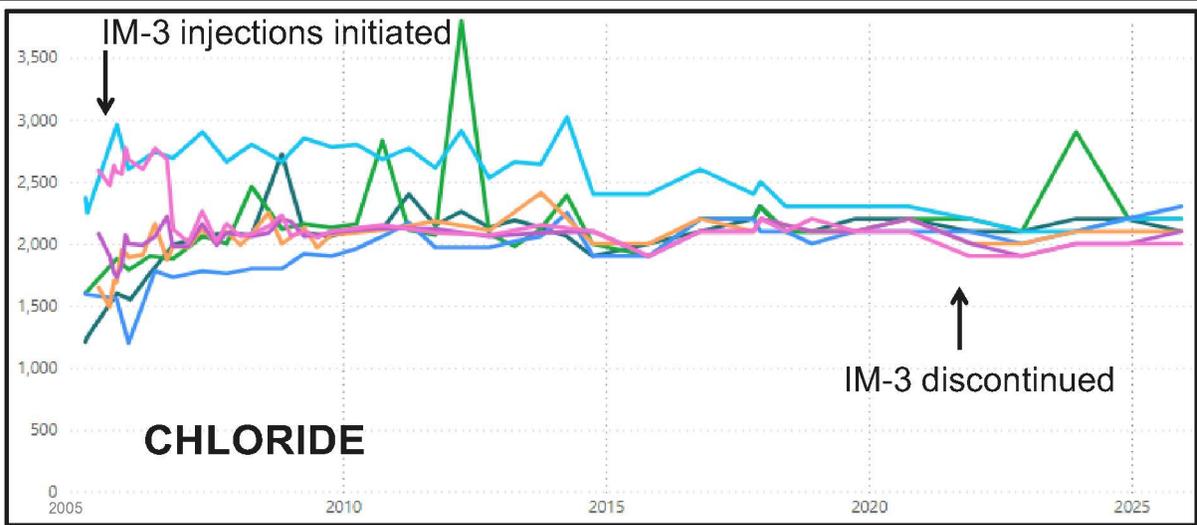
FOURTH QUARTER 2025
 QUARTERLY PROGRESS REPORT
 PG&E TOPOCK COMPRESSOR STATION
 NEEDLES, CALIFORNIA

**FORMER INTERIM MEASURE NO. 3
 (IM-3) SHALLOW MONITORING WELLS
 ANALYTICAL RESULTS**



FIGURE

F-1



Notes:

M = middle interval

K = thousand

Chloride (mg/L)

Sulfate (mg/L)

Total Dissolved Solids (mg/L)

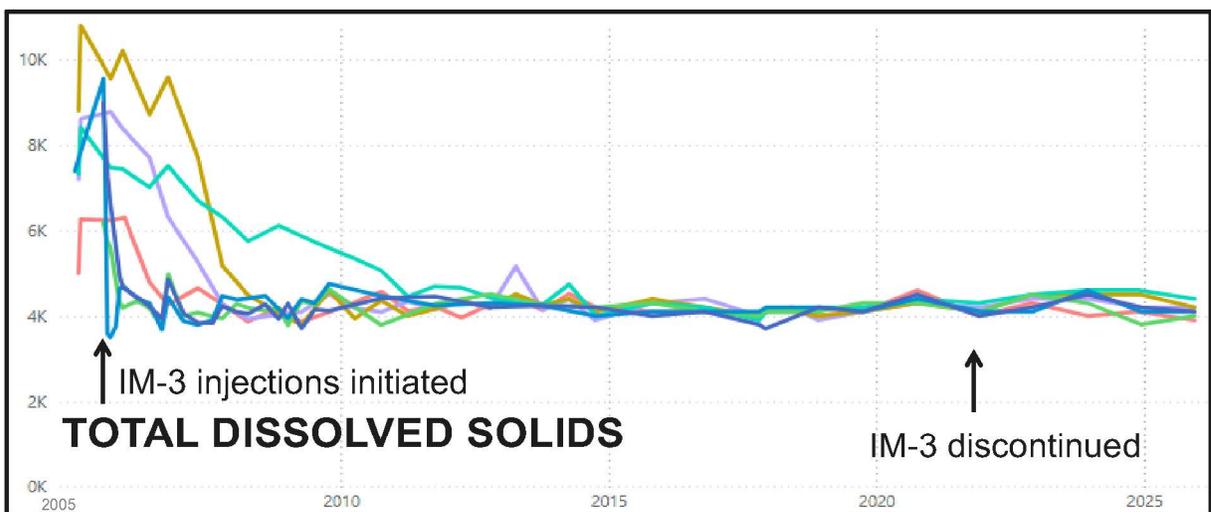
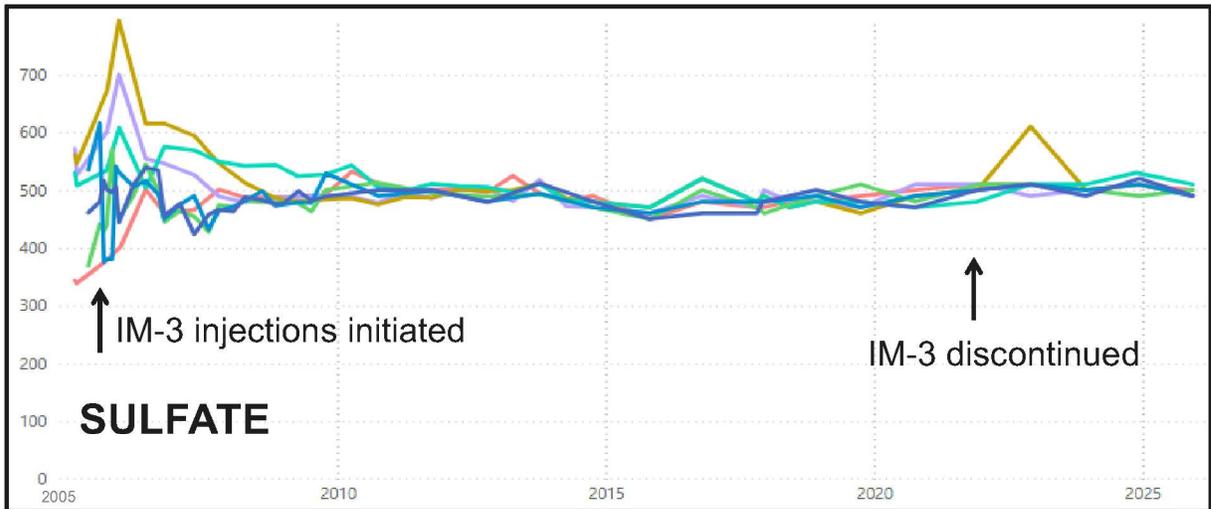
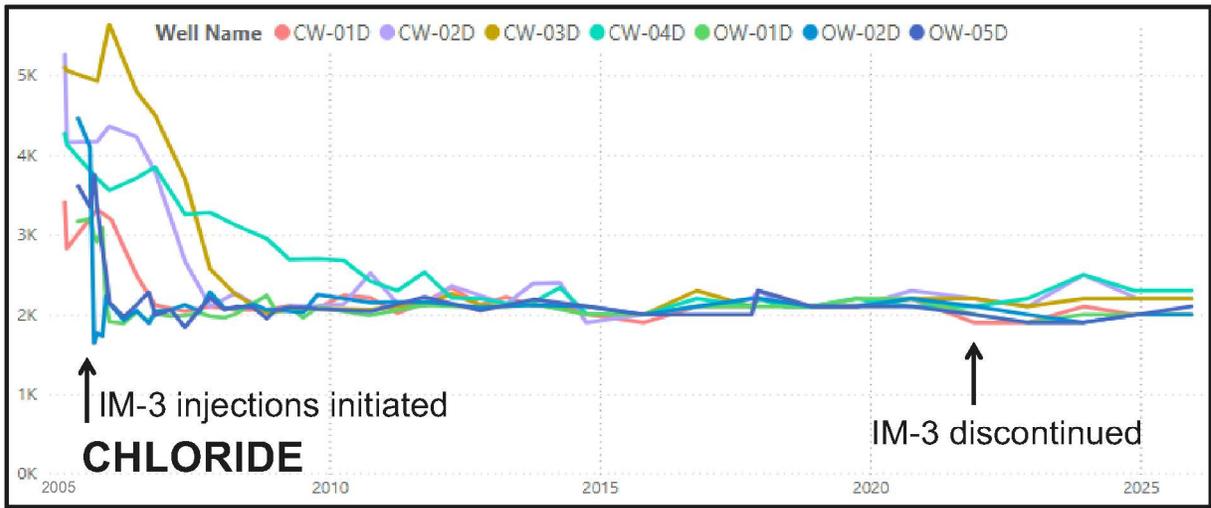
milligrams per liter (mg/L)

FOURTH QUARTER 2025
 QUARTERLY PROGRESS REPORT
 PG&E TOPOCK COMPRESSOR STATION
 NEEDLES, CALIFORNIA

**FORMER INTERIM MEASURE NO. 3
 (IM-3) MIDDLE MONITORING WELLS
 ANALYTICAL RESULTS**



FIGURE
F-2



Notes:

D = deep interval

K = thousand

Chloride (mg/L)

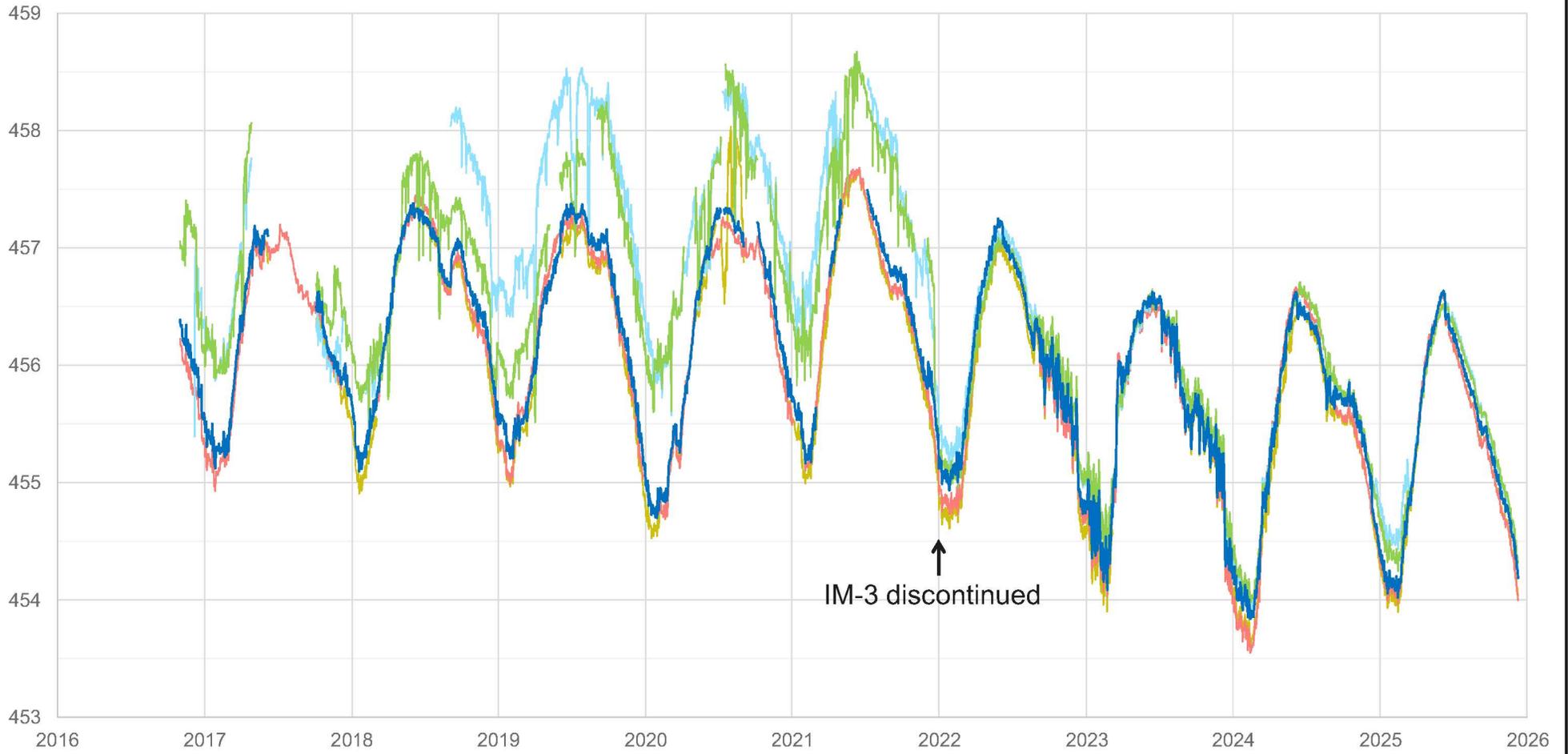
Sulfate (mg/L)

Total Dissolved Solids (mg/L)

milligrams per liter (mg/L)

FOURTH QUARTER 2025
 QUARTERLY PROGRESS REPORT
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 NEEDLES, CALIFORNIA

**FORMER INTERIM MEASURE NO. 3
 (IM-3) DEEP MONITORING WELLS
 ANALYTICAL RESULTS**



LEGEND

- OW-01S
- OW-02S
- OW-05D
- OW-05M
- OW-05S

Notes:

IM-3 injections were initiated on July 31, 2005.
 S = shallow interval
 M = middle interval
 D = deep interval

FOURTH QUARTER 2025
 QUARTERLY PROGRESS REPORT
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 NEEDLES, CALIFORNIA

**FORMER INTERIM MEASURE NO. 3
 (IM-3) MONITORING WELLS
 HYDROGRAPH**



FIGURE
F-4