2024-2025 Periodic Review Report

Dansville Former Manufactured Gas Plant Site
NYSDEC Site Number: 826012

July 2025

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Prepared By:
Arcadis of New York, Inc.
100 Chestnut Street, Suite 1020
Rochester
New York 14604
Phone: 585 385 0090
Fax: 585 546 1973

Prepared For:
New York State Electric & Gas
18 Link Drive
Binghamton, New York 13904

Our Ref:
30223879

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Acronyms and Abbreviations

AW	application well
BTEX	benzene, toluene, ethyl benzene, and xylenes
DNAPL	dense NAPL
DO	dissolved oxygen
LNAPL	light NAPL
MGP	manufactured gas plant
MW	monitoring well
NAPL	non-aqueous phase liquid
NRW	NAPL recovery well
NYSDEC	New York State Department of Environmental Conservation
NYSEG	New York State Electric & Gas
O&M	operation and maintenance
ORS	oxygen-releasing substrate
OU-1	Operable Unit 1
OU-2	Operable Unit 2
PAH	polycyclic aromatic hydrocarbon
PMW	performance monitoring well
PRR	Periodic Review Report
PZ	piezometer
reporting period	January 2024 through June 2025
SMP	Site Management Plan
SMP well network	SMP Media Monitoring and Sampling Plan

1 Introduction

This Periodic Review Report (PRR) summarizes monitoring results obtained and operation and maintenance (O&M) activities conducted from January 2024 through June 2025 (reporting period) for the New York State Department of Environmental Conservation- (NYSDEC-) selected remedy for the New York State Electric & Gas (NYSEG) Dansville former manufactured gas plant (MGP) site. The former MGP site is located in the Village of Dansville, Livingston County, New York (Figure 1). The site is an approximately 2.63-acre area bounded by Battle Street to the north, Ossian Street to the south, a former commercial dry-cleaning business and residential properties to the east, and residential properties to the west. A site layout is provided as Figure 2.

This PRR includes data collected during the 2024 semi-annual visits (i.e., February and August 2024) and the 2025 spring semi-annual event (i.e., February 2025).

Certification that site controls were in place and effective and that no changes have occurred at the site during this reporting period that would impair the ability of the controls to protect public health and the environment is included herein.

1.1 Background

Relevant site background information is presented in the following subsections.

1.1.1 Remediation Construction

The Operable Unit 1 (OU-1) and Operable Unit 2 (OU-2) NYSDEC-selected remedies are presented in the 2008 and 2017 Record of Decision documents (NYSDEC 2008, 2017), respectively. The soil remedy for the site, which was completed in 2015, consisted of excavation and offsite treatment or disposal of MGP-impacted soil. Remedial components associated with the groundwater treatment and non-aqueous phase liquid (NAPL) recovery systems were subsequently installed in May 2015 (NAPL recovery wells [NRWs] NRW-01 and NRW02), October and December 2018 (monitoring wells [MWs] MW-1801 through MW-1810), and July 2020 (application wells [AWs] AW-01 through AW-26 and performance monitoring wells [PMWs] PMW-01 through PMW-06).

1.1.1.1 Operable Unit 1

NYSEG implemented NYSDEC-selected remedy for OU-1 from February 2014 to April 2015. OU-1 remedial construction activities generally consisted of the following:

- Removing and demolishing foundations/structures, concrete slabs, and the concrete loading dock, as well as existing asphalt, site fencing, and site drainage features, as necessary; and
- Excavating and disposing of MGP waste, NAPL, and contaminated soils meeting one or more of the following criteria:
  - visible tar or oil;
  - the presence of sheens or odors with total polycyclic aromatic hydrocarbon (PAH) concentrations greater than 1,000 milligrams per kilogram; or
  - total benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations greater than 10 milligrams per kilogram.

NYSEG excavated approximately 24,446 cubic yards of material as part of remedial construction activities.

1.1.1.2 Operable Unit 2

NYSEG implemented the NYSDEC-selected remedy for OU-2 from July to August 2020. OU-2 remedial construction activities generally consisted of the following:

- Installing coal tar NRWs to facilitate manual mobile coal tar recovery (if present);
- Installing 10 MWs (MW-1801 through MW-1810), each with a 2-foot sump, within OU-2 during the pre-design investigation to facilitate groundwater monitoring and manually recovering potentially mobile NAPL;
- Installing 26 AWs to administer oxygen-releasing substrate (ORS) sleeves in groundwater to facilitate in-situ enhanced biodegradation of BTEX and PAH compounds; and
- Installing six PMWs (as pairs) immediately upgradient and downgradient of the AWs to facilitate groundwater dissolved oxygen (DO) monitoring.

Site well construction details are provided in the Site Management Plan (SMP) (Arcadis 2022). The associated site well network locations are presented on Figures 2 and 3.

1.1.2 Post-Remediation Groundwater Treatment

The OU-2 Record of Decision (NYSDEC 2017) identifies the following constituents of concern for groundwater:

- BTEX; and
- PAHs – specifically, benzo(a)anthracene, chrysene, dibenz(a,h)anthracene, naphthalene, phenanthrene, indeno(1,2,3-cd)pyrene, and acenaphthene.

To implement the NYSDEC-selected in-situ enhanced biodegradation groundwater remedy, ORS sleeves (i.e., Provectus® ORS™ sleeves) were deployed in twenty-six 4-inch-diameter AWs during the reporting period. Treatment system performance was measured using PMW pairs located hydraulically upgradient and downgradient from the AWs.

Enhancing the population of naturally occurring indigenous bacteria targets the single-ringed, less complex, more mobile BTEX compounds rather than the multi-ringed, complex PAH compounds. However, PAHs (particularly the seven identified as constituents of concern) are also considered when evaluating the groundwater remedy.

NAPL monitoring and passive recovery during the reporting period was completed at AW-01, AW-13, AW-21, AW-22, MW-1802, MW-1803, PMW-03, and PMW-04.

1.1.3 Site Management Plan Revisions

The November 2022 SMP (Arcadis 2022) is the current SMP and has not undergone revision.

2 Site Management Plan Compliance

This section identifies the key SMP (Arcadis 2022) requirements for the site and identifies the activities completed during the reporting period to meet these requirements.

2.1 Site Management Plan Requirements

The SMP (Arcadis 2022) details the controls to be implemented at the site, as well as the site inspection, monitoring, maintenance, and reporting requirements. The SMP requirements are summarized in the following sections.

2.1.1 Institutional and Engineering Controls

Institutional Controls for this site require the implementation of an Environmental Easement that will:

- limit the use and development of the property to commercial and industrial use only;
- restrict the use of groundwater as a source of potable or process water without appropriate treatment;
- require annual inspection of the Engineering Controls;
- require periodic certification of the Institutional and Engineering Controls; and
- require compliance with the SMP (Arcadis 2022).

Engineering Controls at the site are as follows:

- Inspect (annually and following severe weather events) and maintain the existing site covers.
- Implement notification and procedural protocols when soil disturbance activities are conducted within areas potentially containing MGP-impacted material, as applicable.
- Use ten MWs (MW-1801 through MW-1810) and two NRWs (NRW-1 and NRW-2) to monitor for the presence of NAPL.
- Operate a passive groundwater treatment system used for in-situ enhanced biodegradation of BTEX and PAHs.
- Execute soil disturbances within areas potentially containing MGP-impacted material in accordance with the Excavation Work Plan (Appendix C of SMP [Arcadis 2022]) and maintain minimum health and safety protocols for contractors performing work within areas potentially containing residual MGP impacts.

2.1.2 Monitoring and Sampling

Monitoring and sampling requirements are as follows:

- Semi-annual gauging and NAPL recovery (if NAPL is observed) from the following locations:
  - Twenty-six AWs (AW-01 through AW-26);
  - Eleven MWs (MW04S and MW-1801 through MW-1810);
  - Two NRWs (NRW-01 and NRW-02);
  - Six PMWs (PMW-01 through PMW-06); and
  - Thirteen piezometers (PZs) (PZ13, PZ14, PZ17, PZ18, PZ19, PZ24, PZ25R [replacement for PZ-25], PZ26, PZ29, PZ31, PZ32, PZ35, and PZ36).

- Semi-annual DO monitoring at the PMWs and AW-01, AW-05, AW-09, AW-13, AW-16, AW-20 and AW-25.
- Annual groundwater sampling for BTEX and PAHs laboratory analysis at MW04S, MW-1801, MW-1802, MW-1803, MW-1804, MW-1805, MW-1806, MW-1807, MW-1808, MW-1809, MW-1810, PZ13, PZ14, PZ17, PZ18, PZ19, PZ24, PZ25R (replaces PZ25), PZ26, PZ29, PZ31, PZ32, PZ35, and PZ36.
- Performing an annual site-wide inspection.
- Considering vapor intrusion potential if structures within areas potentially containing residual MGP impacts are developed in the future.

2.1.3 Operations and Maintenance

O&M requirements are as follows:

- Maintain AWs, MWs, NRWs, PMWs, and PZs, as needed, based on site inspection results; and
- Deploy ORS sleeves in 26 AWs and replace semi-annually.

2.1.4 Reporting

A PRR will be submitted annually to the NYSDEC that will include the following:

- Certification that Institutional and Engineering Controls are in place and operating as designed;
- Site inspection results;
- Monitoring and sampling results; and
- O&M results.

2.2 Site Management Plan Compliance Activities

A summary of the SMP (Arcadis 2022) compliance activities completed during the reporting period is presented in Table 1 below.

Table 1 – Site Management Plan Compliance Activities

SMP Requirement:		Engineering Controls	Monitoring and Sampling		O&M	
Event	Dates Completed	Site Inspection	Gauging and NAPL Recovery	Groundwater Quality Monitoring	Treatment System Maintenance	Well Inspections
February 2024 Monitoring	February 19-20, 2024		X		X	
August 2024 Monitoring	August 19-23, 2024	X	X	X	X	X
February 2025 Monitoring	February 27-28, 2025		X		X	

For comparison purposes, and to support the conclusions and recommendations presented in Section 7, data collected during the previous monitoring events are included in tables, where appropriate. Groundwater monitoring, NAPL gauging, and O&M activities for the current reporting period were conducted in accordance with the SMP (Arcadis 2022) and are summarized in this PRR.

3 Institutional and Engineering Controls

The Environmental Easement for the site was in place during the reporting period.

Arcadis completed an annual site inspection on August 19, 2024. Areas within the former MGP footprint were inspected for sparse vegetation, erosion, settling, and damaged surface cover (including, but not limited to, disturbances and depressions). A site inspection log documenting site conditions observed during the annual inspection is included as Appendix A. The annual site inspection indicated that the site cover is in good condition and that maintenance to the soil cover over the former MGP areas was not required.

4 Monitoring and Sampling Results

As described in the SMP (Arcadis 2022), monitoring during this reporting period consisted of:

- Semi-annual groundwater and NAPL elevation measurements in 26 AWs, 11 MWs, two NRWs, six PMWs, and 13 PZs; and
- Annual groundwater sampling from 11 MWs and 13 PZs for BTEX and PAH analysis during the August 2024 monitoring event.

4.1 Potentiometric Surfaces and Groundwater Flow

To document groundwater elevation and flow direction, field personnel measured the relative depth to groundwater from surveyed measuring points during each monitoring event in the reporting period from the following locations, as described in the SMP (Arcadis 2022):

- Eleven MWs (MW04S, MW-1801, MW-1802, MW-1803, MW-1804, MW-1805, MW-1806, MW-1807, MW-1808, MW-1809, and MW-1810); and
- Thirteen PZs (PZ13, PZ14, PZ17, PZ18, PZ19, PZ24, PZ25R, PZ26, PZ29, PZ31, PZ32, PZ35, and PZ36).

Groundwater elevations measured during this reporting period, along with previously measured elevations, are summarized in Table 2.

PZ25 was not gauged during the reporting period because it is located under a homeowner's pool and is inaccessible. However, the replacement well for PZ25, PZ25R, was gauged during each of the monitoring events in the reporting period.

The water table surface and groundwater flow directions for the February 2024, August 2025, and February 2025 monitoring events are presented on Figure 4, Figure 5, and Figure 6, respectively. As shown on the figures, the general groundwater flow direction at the site was to the northwest during the three gauging events.

4.2 Non-Aqueous Phase Liquid Monitoring

NAPL monitoring was conducted semi-annually during the reporting period. Field personnel gauged the following locations for the presence of NAPL using an oil-water interface probe:

- Twenty-six AWs (AW-01 through AW-26);
- Eleven MWs (MW04S, MW-1801, MW-1802, MW-1803, MW-1804, MW-1805, MW-1806, MW-1807, MW-1808, MW-1809, and MW-1810);
- Two NRWs (NRW-01 and NRW-02);
- Six PMWs (PMW-01 through PMW-06); and
- Thirteen PZs (PZ13, PZ14, PZ17, PZ18, PZ19, PZ24, PZ25R, PZ26, PZ29, PZ31, PZ32, PZ35, and PZ36).

The locations of the AWs, MWs, NRWs, PMWs, and PZs are shown on Figure 2 and Figure 3. NAPL gauging data are presented in Table 2.

During the reporting period, light NAPL (LNAPL) was measured to be approximately 0.5 feet thick in February 2024 and observed but not measurable in August 2024 and February 2025. LNAPL in PMW-03 was observed but not measurable during all three monitoring events in the reporting period.

Dense NAPL (DNAPL) was not observed during the reporting period. Sorbent socks are deployed, maintained, and replaced, as needed, in AW-01, AW-13, AW-21, AW-22, MW-1802, MW-1803, PMW-03, and PMW-04, to passively remove LNAPL. As a Green Remediation effort, after a sorbent sock is used to passively remove LNAPL for a period of time (typically 6 months to a year), the sock is inverted in the well to allow both ends of the sock to absorb LNAPL at the water interface before being replaced.

The results of NAPL monitoring during the reporting period are as follows:

February 2024

- AW-01 – Attempted active LNAPL removal with bailer; not able to recover LNAPL, so installed new replacement sorbent sock;
- AW-13 – Inspected and reinstalled sorbent sock;
- AW-21 – Inspected and reinstalled sorbent sock;
- AW-22 – Inspected and reinstalled sorbent sock;
- MW-1802 – Installed new replacement sorbent sock;
- MW-1803 – Installed new replacement sorbent sock;
- PMW-03 – Inverted and reinstalled sorbent sock; and
- PMW-04 – Installed new replacement sorbent sock.

August 2024

- AW-01 – Inverted and reinstalled sorbent sock;
- AW-13 – Installed new replacement sorbent sock;
- AW-21 – Inverted and reinstalled sorbent sock;
- AW-22 – Inverted and reinstalled sorbent sock:
- MW-1802 – Installed new replacement sorbent sock;
- MW-1803 – Inverted and reinstalled sorbent sock;
- PMW-03 – Attempted active LNAPL removal with bailer; not able to recovery LNAPL, so installed new replacement sorbent sock; and
- PMW-04 – Inverted and reinstalled sorbent sock.

February 2025

- AW-01 – Inspected and reinstalled sorbent sock;
- AW-13 – Inverted and reinstalled sorbent sock;
- AW-21 – Installed new replacement sorbent sock;
- AW-22 – Inverted and reinstalled sorbent sock:
- MW-1802 – Installed new replacement sorbent sock;
- MW-1803 – Inverted and reinstalled sorbent sock;

- PMW-03 – Inverted and reinstalled sorbent sock; and
- PMW-04 – Installed new replacement sorbent sock.

As presented in Table 2, NAPL has not been observed in either of the NRWs. DNAPL has not been observed in MW-1802 or AW-12 since the February 2021 monitoring event.

Spent sorbent socks were containerized in a 55-gallon drum and staged onsite in a secure area for disposal by NYSEG.

4.3 Groundwater Quality

During the reporting period, the groundwater samples collected from 11 MWs (MW04S, MW-1801, MW-1802, MW-1803, MW-1804, MW-1805, MW-1806, MW-1807, MW-1808, MW-1809, and MW-1810) and 12 PZs (PZ13, PZ14, PZ17, PZ18, PZ19, PZ24, PZ25R, PZ29, PZ31, PZ32, PZ35, and PZ36) were submitted to Eurofins Laboratories located in Amherst, New York, for analysis of the following constituents:

- BTEX by United States Environmental Protection Agency SW-846 Method 8260; and
- PAHs by United States Environmental Protection Agency SW-846 Method 8270.

Groundwater samples were not collected from PZ26 because the well was dry. At MW-1806, the well was purged dry before a groundwater sample was able to be collected and, as such, the well was left overnight to recharge sufficiently before the groundwater sample was collected using a bailer. During well purging at PZ35, the groundwater turbidity remained very high even after removing approximately 8 well volumes. At the time of the sampling event, PZ35 was intended to have sediment removed to address approximately 13 feet of sediment in the well. Considering this, the high turbidity, and the removal of nearly 8 well volumes, sediment was allowed to settle out of the well column before the well was sampled using a bailer.

Groundwater analytical results are summarized in Table 3. For comparison purposes, historical groundwater analytical results collected since May 2005, including baseline samples collected in December 2018, are included in the table. Additionally, total BTEX and total PAH concentrations in groundwater samples collected since 2005 are summarized on Figure 7 and Figure 8, respectively.

Arcadis reviewed the laboratory data package for the 2024 annual monitoring event, conducted data validation, and prepared a Data Usability Summary Report. Data review indicated that overall laboratory performance was acceptable, and the overall data quality was within the guidelines specified in the respective methods. The laboratory report is included as Appendix B, and the Data Usability Summary Report is included as Appendix C.

BTEX and PAH groundwater analytical results for samples collected during the reporting period are summarized below.

4.3.1 Dissolved BTEX

The groundwater analytical results for dissolved BTEX are summarized in Table 3. Additionally, total BTEX data are presented on Figure 7.

The analytical results for samples collected during the August 2024 monitoring event indicate the following:

- One or more BTEX constituents were detected at concentrations greater than NYSDEC groundwater quality standards in groundwater collected from 10 wells (MW04S, MW-1801, MW-1803, MW-1805, MW-1806, MW-1807, MW-1808, PZ18, PZ25R, and PZ36).
- When compared to the results from the last time these locations were sampled, total BTEX concentrations have marginally increased at four locations (MW-1806, MW-1808, PZ18, and PZ36) and decreased at five locations (MW-04S, MW-1801, MW-1803, MW-1805, MW-1807). PZ25R was sampled for the first time during this event and, when compared to results from PZ25 the last time it was sampled (November 2005), total BTEX concentrations decreased.

4.3.2 Dissolved PAHs

The groundwater analytical results for dissolved PAHs are summarized in Table 3. Additionally, total PAH data are presented on Figure 8.

The analytical results for samples collected during the 2024 August monitoring event are summarized below:

- One or more of the 17 site-specific PAHs were detected at concentrations greater than NYSDEC groundwater quality standards in groundwater collected from seven wells (MW04S, MW-1801, MW-1805, MW-1807, MW-1808, PZ13, and PZ36).
- When compared to the results from the last time these locations were sampled, total PAH concentrations increased at one location (PZ13) and decreased at six locations (MW-04S, MW-1801, MW-1805, MW-1807, MW-1808, and PZ36).

4.3.3 BTEX and PAH Trend Evaluation

The Mann-Kendall (MK) trend test (Gilbert 1987) was used to evaluate whether BTEX and PAH concentrations at the site exhibit statistically significant increasing or decreasing trends. The MK trend test is a non-parametric test that determines these trends based on ranked data. As such, it is relatively insensitive to outlier values and non-detect concentrations (values less than reporting limits) and does not require the data to fit a specific model. The test has the flexibility to be modified to account for multiple observations per time period, multiple sampling locations, and seasonality (USEPA 2006, 2009).

The MK trend test is performed by listing constituent concentrations in temporal order and computing the differences between a given measurement and earlier measurements (Gilbert 1987; USEPA 2009). The MK test statistic (sum of trend [S]) is the difference between the number of strictly positive differences and the number of strictly negative differences. Only the relative magnitudes of the concentration values are needed to compute S, not the actual concentrations themselves. If S is positive, an increasing trend is indicated; if S is negative, a decreasing trend is indicated; and, if S is near zero, no trend is apparent. Trends with positive or negative S-values are accepted as statistically significant for probability values (p-values) less than or equal to 0.05 (95 percent confidence level). MK analyses results with S-values near zero are evaluated qualitatively to determine if BTEX/PAH concentrations are stable.

Statistical analyses of BTEX/PAH concentration trends are evaluated using the MK method for MW and constituent pairs that have at least four sampling results and at least a 25 percent frequency of detection. Where non-detect or qualified values were used in computations, the concentrations were set equal to the laboratory

reporting limit or reported value, respectively. The only exception was for calculated values, such as total BTEX and total PAHs. Since detection limits may vary between the compounds within BTEX or PAH groups, non-detects were assigned a value of 0, so that non-detect values are still ranked less than that of any detections. Based on USEPA guidance (USEPA 2009) for MK analyses, non-detect values are set to a single value less than that of any detections, so that any pair of tied values or any pair of non-detects is simply given a score of 0 in the calculation of the MK S-statistic.

As an initial screening step, all 576 well/analyte pairs of data were evaluated for sample size, detection frequency, and NYSDEC groundwater quality standards exceedances. Four hundred and thirty-three (433) well/analyte pairs did not meet the criteria for trend evaluation due to sample size and/or frequency of detection or because no data was available for that particular well/analyte pair. The 143 remaining well/analyte pairs were selected for statistical evaluation. Table 4 summarizes the screening and MK results for all the well/analyte pairs.

Concentrations for all but one well/analyte pair (benzene in PZ24) were either decreasing or exhibited no significant trend. The increasing benzene trend in PZ24 is an artifact of the data set (several non-detect results followed by several low-level detections) and is not concerning because benzene concentrations in PZ24 have been less than NYSDEC groundwater quality standards since November 2012.

Based on the statistical evaluation, the extent of groundwater exceeding NYSDEC quality standards appears to be stable to decreasing overall.

Additional summary statistics, MK test results, and concentration-time charts are provided in Appendix D.

5 Operation and Maintenance

O&M activities conducted during the reporting period are presented in Table 1 (see Section 2.2) and included:

- semi-annual ORS application and monitoring;
- annual site well network inspection; and
- annual site condition inspection.

The annual site and well network inspections required by the SMP (Arcadis 2022) were completed during the August 2024 site visit.

A summary of these activities is presented in the following subsections.

5.1 Oxygen-Releasing Substrate Application and Monitoring

The fourth year of ORS application was performed during the February 2024, August 2025, and February 2025 monitoring events. ORS application and monitoring tasks completed during the reporting period included the following:

- DO concentrations in groundwater were measured in the field, using a portable DO field meter, at AW-01, AW-05, AW-09, AW-13, AW-16, AW-20, AW-25, PMW-01, PMW-02, PMW-03, and PMW-04. DO has not been measured in PMW-05 and PMW-06 since February 2023; these wells were mistakenly removed from the list of wells for field DO measurements and will be added back to the list during future site visits.
- Spent ORS sleeves were removed from AWs.
- AW canisters were cleaned.
- New ORS sleeves were deployed in AWs.

DO field measurements are provided in Table 5. When comparing DO data to the baseline results collected on February 24, 2021, data indicate ORS has increased DO in the AWs and, in general, has increased DO in the PMWs. However, DO data from the August 2024 and February 2025 monitoring events for PMW-01, PMW-02, and PMW-03 indicate decreased DO concentrations when compared to baseline results.

Spent ORS sleeves were placed in 55-gallon steel drums for waste characterization and disposal by NYSEG.

5.2 Well Network

Inspection activities/findings are presented in the following subsections.

5.2.1 Well Inspection

During the August 2024 site visit, Arcadis visually inspected site wells to confirm the integrity of protective covers, well caps, protective road boxes, surrounding concrete aprons, and the general condition of the wells and to identify potential repairs. A Well Integrity Assessment Form documenting the condition of each well in the SMP Media Monitoring and Sampling Plan (SMP well network) (see SMP Section 4.4 and Appendix G – Field Sampling Plan [Arcadis 2022]), with access at the time of inspection, was completed and is saved in the project file.

The following repairs recommended in the 2023 PRR (Arcadis 2024) were completed on August 19, 2024:

- Accumulated sediment was removed, via manual bailing, at MW01D, MW04S, PZ13, PZ14, PZ19, PZ26, PZ31, PZ32, PZ35, and PZ36.
- At MW01D, the locking well cap, lock, and flush-mounted surface completion were replaced.

Recommendations to correct the deficiencies not repaired during the reporting period are provided in Section 7.2.

5.2.2 Depth to Bottom Assessment

Arcadis field personnel measured the depth to bottom and accumulated sediment thickness (e.g., silts, sands) at each well during the semi-annual and annual monitoring events, as presented in Table 2. Depth to bottom measurements were compared to the installed depth, as reported on each well's construction or development log, to determine whether re-development is needed. The most recent gauging event results are summarized below.

Monitoring Wells

- Ten of the 11 MWs contained less than 1 foot of accumulated sediments.
- MW04S had approximately 1.2 feet of accumulated sediments. Sediment removal was attempted during the August 2024 monitoring event with little change to the well bottom depth.

Piezometers

- Four of the 13 PZs gauged contained less than 1 foot of accumulated sediments.
- PZ13 was obstructed and not able to be gauged.
- PZ14 had approximately 1.23 feet of accumulated sediments.
- PZ19 had approximately 2.74 feet of accumulated sediments.
- PZ24 had approximately 1.51 feet of accumulated sediments.
- PZ26 had approximately 1.09 feet of accumulated sediments
- PZ31 had approximately 2.00 feet of accumulated sediments.
- PZ32 had approximately 4.12 feet of accumulated sediments.
- PZ35 had approximately 6.62 feet of accumulated sediments.
- PZ36 had approximately 5.22 feet of accumulated sediments.

Application Wells

- All 26 AWs contained less than 1 foot of accumulated sediments.

Performance Monitoring Wells

- Five of the six PMWs contained less than 1 foot of accumulated sediments
- PMW-02 had approximately 1.88 feet of accumulated sediments.

NAPL Recovery Wells

- The two NRWs contained less than 1 foot of accumulated sediments.

6 Disturbance Activities in Potentially Impacted Areas

NYSEG is not aware of any intrusive activities that were conducted in potentially impacted areas during the reporting period, except for the flush-mounted surface completion replacement at MW01D (see Section 5.2.1).

7 Conclusions and Recommendations

Conclusions and recommendations, based on the fourth year of treatment system monitoring and operation, are presented below.

7.1 Conclusions

Conclusions based on the monitoring period are summarized below.

- Media Monitoring and Sampling:
  - Media Monitoring and Sampling requirements (see SMP Section 4.4 [Arcadis 2022]) were met during the reporting period.
- Groundwater Flow Direction:
  - Groundwater flow direction continues to be to the northwest; the groundwater movement pattern is consistent with previous monitoring events.
- NAPL Monitoring:
  - NAPL was not detected in either of the two NRWs during the reporting period.
  - LNAPL was observed in AW-01 and PMW-03. LNAPL removal, via manual bailing, was attempted at AW-01 during the February 2024 monitoring event and at PMW-03 during the August 2024 monitoring event. Both attempts were unsuccessful at recovering LNAPL, and sorbent socks were reinstalled or replaced with new sorbent socks. At all other wells with current or historical LNAPL observations, the sorbent socks were successful at removing the minimal quantity of LNAPL entering the wells.
  - DNAPL was not detected in any of the wells.
- Groundwater Quality:
  - Total BTEX and total PAH concentrations in groundwater were consistent with historical results and show an overall stable to decreasing trend.
- ORS Monitoring:
  - When compared to baseline DO measurements collected on February 24, 2021, ORS has increased DO in the AWs and, in general, has increased DO in the PMWs. However, DO data from the August 2024 and February 2025 monitoring events for PMW-01, PMW-02, and PMW-03 indicate decreased DO concentrations when compared to baseline results.
- SMP Well Network:
  - SMP well network deficiencies identified in the 2023 PRR (Arcadis 2024) were addressed during the reporting period, and no deficiencies in the SMP well network were identified during the reporting period that require repair.
  - Accumulated sediment was observed in several wells, ranging in thicknesses from less than 1 foot to approximately 6.6 feet. Recommendations for sediment removal are provided in Section 7.2.
- Annual Site Inspection:
  - The soil and gravel cover across the site and above the groundwater treatment system was in good condition; no repairs were required.
  - Drainage features were clear of obstructions.

7.2 Recommendations

Recommendations based on O&M of the NYSDEC-selected remedy during the reporting period are provided below.

- Media Monitoring and Sampling:
  - Continue conducting Media Monitoring and Sampling as described in the SMP (Arcadis 2022).
  - Continue semi-annual well gauging as described in the SMP.
  - Continue annual groundwater monitoring as described in the SMP.
- NAPL Monitoring:
  - Continue semi-annually gauging AWs, MWs, NRWs, PMWs, and PZs for the presence of NAPL, and if present, remove to the extent practicable.
- O&M:
  - Continue conducting O&M as described in the SMP.
  - Conduct the following repairs to address deficiencies in the SMP well network observed during the reporting period:
    - Remove accumulated sediment via manual bailing at MW04S, PMW-02, PZ13, PZ14, PZ19, PZ24, PZ26, PZ31, PZ32, PZ35, and PZ36.
- Continue preparing annual reports as described in the SMP.

8 Certification Statement

The completed NYSDEC Site Management PRR Institutional and Engineering Controls Certification Submittal Form, included in Appendix E, certifies that site controls were in place and effective and no changes occurred during the reporting period that would impair the ability of the controls to protect public health and the environment.

Please note that the Submittal Form identifies the reporting period as June 22, 2024, to June 22, 2025. The previous PRR's (Arcadis 2024) reporting period covered January 1, 2023, to December 31, 2023. Per correspondence with the NYSDEC project manager on May 14, 2024 (NYSDEC 2024), and as approved, this PRR identifies the reporting period as starting on January 1, 2024 (after the previous certification period end date denoted in the 2023 PRR) to June 22, 2025 (the certification period end date denoted on the Submittal Form in Appendix E).

9 References

Arcadis. 2022. Site Management Plan, Dansville Manufactured Gas Plant Site, Dansville, Livingston County, New York, Site No. 8-26-012. November.

Arcadis. 2024. 2023 Periodic Review Report, Dansville Former Manufactured Gas Plant Site, NYSDEC Site Number: 8-26-012. June.

Gilbert, R.O. 1987. Statistical Methods for Environmental Pollution Monitoring. John Wiley and Sons, Inc. New York.

NYSDEC. 2008. Record of Decision, NYSEG Dansville MGP Site Operable Unit No. 1, Site Number 826-012. March.

NYSDEC. 2017. Record of Decision, Operable Unit Number 02: Onsite and Offsite Soil and Groundwater, State Superfund Project, Dansville, Livingston County, Site No. 826012. March.

NYSDEC. 2024. Email from Michael Squire (NYSDEC) to Nicholas Beyrle (Arcadis) re: 826012 – PRR Notice / IC/EC Certification. May 14.

USEPA. 2006. Data Quality Assessment: Statistical Methods for Practitioners. EPA QA/G-9S. Office of Environmental Information. EPA/240/B-06/003. February.

USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data and RCRA Facilities Unified Guidance. Office of Resource Conservation and Recovery. March.

Tables

Table 2
Gauging Data
Periodic Review Report
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Well ID	Measuring Point Elevation	Actual Depth to Bottom (feet bTOC)	Date	Depth to Water (feet bTOC)	Groundwater Elevation	Depth to LNAPL (feet bTOC)	Depth to DNAPL (feet bTOC)	Depth to Bottom (feet bTOC)	Accumulated Thickness of Sediments (feet)
PZ13	681.93	20.00	12/19/2018	10.05	671.94	NA	NA	18.22	1.78
			2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	10.02	671.97	NA	NA	18.18	1.82
			11/22/2021	9.90	672.09	NA	NA	18.18	1.82
			2/21/2022	Not accessible					
			5/27/2022	Not accessible					
			8/22/2022	10.30	671.63	NA	NA	18.91	1.09
			11/17/2022	10.10	671.83	NA	NA	18.25	1.75
			2/15/2023	10.07	671.86	NA	NA	18.18	1.82
			8/14/2023	10.54	671.39	NA	NA	16.26	3.74
			2/19/2024	10.03	671.90	NA	NA	18.10	1.90
			8/19/2024	10.09	671.84	NA	NA	18.93	1.07
			2/27/2025	No access					
PZ14	678.37	20.00	2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	12.33	665.87	NA	NA	18.25	1.75
			11/22/2021	12.32	665.88	NA	NA	18.24	1.76
			2/21/2022	Could not locate					
			5/27/2022	12.36	665.84	NA	NA	18.14	1.86
			8/22/2022	12.65	665.72	NA	NA	18.13	1.87
			11/17/2022	12.52	665.85	NA	NA	18.10	1.90
			2/15/2023	12.43	665.94	NA	NA	18.10	1.90
			8/14/2023	12.80	665.57	NA	NA	18.18	1.82
			2/19/2024	12.42	665.95	NA	NA	18.03	1.97
			8/19/2024	12.57	665.80	NA	NA	19.32	0.68
			2/27/2025	12.43	665.94	NA	NA	18.77	1.23
PZ17	684.47	16.00	2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	No access					
			11/22/2021	7.48	676.78	NA	NA	15.16	0.84
			2/21/2022	6.56	677.91	NA	NA	15.13	0.87
			5/27/2022	7.83	676.64	NA	NA	15.15	0.85
			8/22/2022	8.61	675.86	NA	NA	15.14	0.86
			11/17/2022	8.05	676.42	NA	NA	15.10	0.90
			2/15/2023	7.79	676.68	NA	NA	15.11	0.89
			8/14/2023	8.83	675.64	NA	NA	15.20	0.80
			2/19/2024	7.72	676.75	NA	NA	15.02	0.98
			8/19/2024	7.89	676.58	NA	NA	15.08	0.92
			2/27/2025	7.68	676.79	NA	NA	15.08	0.92
PZ18	686.91	19.00	12/20/2018	9.97	676.74	NA	NA	18.71	0.29
			2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	10.99	675.72	NA	NA	18.62	0.38
			11/22/2021	9.74	676.97	NA	NA	18.62	0.38
			2/21/2022	6.46	680.45	NA	NA	18.58	0.42
			5/27/2022	9.74	677.17	NA	NA	18.77	0.23
			8/22/2022	10.20	676.71	NA	NA	18.58	0.42
			11/17/2022	Not accessible					
			2/15/2023	10.09	676.82	NA	NA	18.60	0.40
			8/14/2023	10.78	676.13	NA	NA	18.68	0.32
			2/19/2024	10.15	676.76	NA	NA	18.38	0.62
			8/19/2024	10.32	676.59	NA	NA	18.45	0.55
			2/27/2025	10.04	676.87	NA	NA	18.52	0.48
PZ19	685.29	20.00	2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	No access					
			11/22/2021	No access					

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PZ19 (cont.)	685.29	20.00	2/21/2022	No access					
			5/27/2022	No access					
			8/22/2022	11.29	674.00	NA	NA	17.27	2.73
			11/17/2022	11.18	674.11	NA	NA	17.30	2.70
			2/15/2023	11.20	674.09	NA	NA	17.26	2.74
			8/14/2023	11.80	673.49	NA	NA	17.35	2.65
			2/19/2024	11.11	674.18	NA	NA	17.21	2.79
			8/19/2024	11.19	674.10	NA	NA	17.30	2.70
			2/27/2025	11.14	674.15	NA	NA	17.26	2.74
PZ24	681.24	19.50	12/19/2018	10.49	670.69	NA	NA	18.24	1.26
			2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	10.51	670.67	NA	NA	17.70	1.80
			11/22/2021	10.36	670.82	NA	NA	19.27	0.23
			2/21/2022	10.07	671.17	NA	NA	19.25	0.25
			5/27/2022	10.48	670.76	NA	NA	19.25	0.25
			8/22/2022	10.81	670.43	NA	NA	19.22	0.28
			11/17/2022	Could not locate					
			2/15/2023	10.47	670.77	NA	NA	18.76	0.74
			8/14/2023	12.97	668.27	NA	NA	18.81	0.69
			2/19/2024	10.49	670.75	NA	NA	18.71	0.79
			8/19/2024	10.53	670.71	NA	NA	18.67	0.83
			2/27/2025	10.43	670.81	NA	NA	17.99	1.51
PZ25	680.87	27.00	2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	No access					
			11/22/2021	No access					
			2/21/2022	No access					
			5/27/2022	No access					
			8/22/2022	No access					
			11/17/2022	No access					
			2/15/2023	No access					
			8/14/2023	No access					
			2/19/2024	No access					
			8/19/2024	No access					
PZ25R	680.48	22.55	2/19/2024	8.69	671.79	NA	NA	19.15	3.40
			8/19/2024	8.76	671.72	NA	NA	22.47	0.08
			2/27/2025	8.59	671.89	NA	NA	22.46	0.09
PZ26	677.79	17.50	2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	No access					
			11/22/2021	No access					
			2/21/2022	No access					
			5/27/2022	No access					
			8/22/2022	Dry	NA	NA	NA	7.90	9.60
			11/22/2022	Dry	NA	NA	NA	7.90	9.60
			2/15/2023	Dry	NA	NA	NA	7.90	9.60
			8/14/2023	Dry	NA	NA	NA	8.24	9.26
			2/19/2024	7.86	669.93	NA	NA	7.96	9.54
			8/19/2024	7.93	669.86	NA	NA	16.83	0.67
			2/27/2025	7.79	670.00	NA	NA	16.41	1.09
PZ29	689.38	20.00	12/19/2018	9.20	680.13	NA	NA	19.63	0.37
			2/23/2021	9.08	680.25	NA	NA	19.79	0.21
			5/18/2021	8.34	680.99	NA	NA	19.67	0.33
			8/11/2021	8.91	680.42	NA	NA	19.65	0.35
			11/22/2021	8.56	680.77	NA	NA	19.66	0.34
			2/21/2022	7.91	681.47	NA	NA	19.65	0.35
			5/27/2022	8.68	680.70	NA	NA	19.66	0.34

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PZ29 (cont.)	689.38	20.00	8/22/2022	9.29	680.09	NA	NA	19.66	0.34
			11/17/2022	9.25	680.13	NA	NA	19.66	0.34
			2/15/2023	9.19	680.19	NA	NA	19.65	0.35
			8/14/2023	9.95	679.43	NA	NA	19.73	0.27
			2/19/2024	9.02	680.36	NA	NA	19.60	0.40
			8/19/2024	9.31	680.07	NA	NA	19.65	0.35
			2/27/2025	8.98	680.40	NA	NA	19.64	0.36
PZ31	687.21	23.50	2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	12.19	674.95	NA	NA	20.26	3.24
			11/22/2021	12.14	675.00	NA	NA	20.35	3.15
			2/21/2022	11.23	675.98	NA	NA	20.34	3.16
			5/27/2022	12.35	674.86	NA	NA	20.33	3.17
			8/22/2022	13.01	674.20	NA	NA	20.32	3.18
			11/17/2022	12.52	674.69	NA	NA	20.31	3.19
			2/15/2023	12.47	674.74	NA	NA	20.29	3.21
			8/14/2023	13.23	673.98	NA	NA	20.39	3.11
			2/19/2024	12.48	674.73	NA	NA	20.22	3.28
			8/19/2024	12.43	674.78	NA	NA	21.57	1.93
			2/27/2025	12.42	674.79	NA	NA	21.50	2.00
PZ32	684.02	20.00	12/19/2018	9.40	674.57	NA	NA	15.51	4.49
			2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	9.41	674.56	NA	NA	15.51	4.49
			11/22/2021	9.33	674.64	NA	NA	15.55	4.45
			2/21/2022	8.67	675.35	NA	NA	15.51	4.49
			5/27/2022	9.48	674.54	NA	NA	15.53	4.47
			8/22/2022	9.94	674.08	NA	NA	15.53	4.47
			11/17/2022	9.52	674.50	NA	NA	15.55	4.45
			2/15/2023	9.54	674.48	NA	NA	15.54	4.46
			8/14/2023	10.10	673.92	NA	NA	15.62	4.38
			2/19/2024	9.55	674.47	NA	NA	15.53	4.47
			8/19/2024	9.51	674.51	NA	NA	15.95	4.05
			2/27/2025	9.58	674.44	NA	NA	15.88	4.12
PZ35	686.35	24.00	2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	No access					
			11/22/2021	No access					
			2/21/2022	No access					
			5/27/2022	No access					
			8/22/2022	Dry	NA	NA	NA	10.68	13.32
			11/17/2022	Dry	NA	NA	NA	10.68	13.32
			2/15/2023	Dry	NA	NA	NA	10.68	13.32
			8/14/2023	Dry	NA	NA	NA	11.00	13.00
			2/19/2024	10.84	675.51	NA	NA	10.87	13.13
			8/19/2024	10.90	675.45	NA	NA	18.85	5.15
			2/27/2025	10.78	675.57	NA	NA	17.38	6.62
PZ36	686.73	22.50	12/19/2018	10.26	676.34	NA	NA	17.01	5.49
			2/23/2021	No access					
			5/18/2021	No access					
			8/11/2021	No access					
			11/22/2021	10.14	676.46	NA	NA	16.98	5.52
			2/21/2022	9.50	677.23	NA	NA	16.97	5.53
			5/27/2022	10.34	676.39	NA	NA	16.98	5.52
			8/22/2022	10.81	675.92	NA	NA	16.98	5.52
			11/17/2022	10.48	676.25	NA	NA	16.95	5.55
			2/15/2023	10.38	676.35	NA	NA	16.97	5.53
			8/14/2023	10.99	675.74	NA	NA	17.03	5.47

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PZ36 (cont.)	686.73	22.50	2/19/2024	10.36	676.37	NA	NA	16.83	5.67
			8/19/2024	10.41	676.32	NA	NA	17.43	5.07
			2/27/2025	10.31	676.42	NA	NA	17.28	5.22
MW04S	686.01	20.00	12/19/2018	10.95	674.91	NA	NA	18.06	1.94
			2/23/2021	11.08	674.78	NA	NA	18.16	1.84
			5/18/2021	10.57	675.29	NA	NA	18.01	1.99
			8/11/2021	10.89	674.97	NA	NA	18.02	1.98
			11/22/2021	10.76	675.10	NA	NA	17.98	2.02
			2/21/2022	10.26	675.75	NA	NA	18.03	1.97
			5/27/2022	10.92	675.09	NA	NA	18.05	1.95
			8/22/2022	11.24	674.77	NA	NA	18.05	1.95
			11/17/2022	11.25	674.76	NA	NA	18.00	2.00
			2/15/2023	11.20	674.81	NA	NA	17.98	2.02
			8/14/2023	11.88	674.13	NA	NA	18.92	1.08
			2/19/2024	11.28	674.73	NA	NA	18.73	1.27
			8/19/2024	11.22	674.79	NA	NA	18.76	1.24
			2/27/2025	11.15	674.86	NA	NA	18.79	1.21
MW-1801	686.27	21.00	12/19/2018	9.95	676.27	TR	NA	20.77	0.23
			2/23/2021	10.31	675.91	NA	NA	20.91	0.09
			5/18/2021	9.85	676.37	NA	NA	20.79	0.21
			8/11/2021	9.40	676.82	NA	NA	20.78	0.22
			11/22/2021	9.74	676.48	NA	NA	20.78	0.22
			2/21/2022	9.52	676.75	NA	NA	20.78	0.22
			5/27/2022	9.97	676.30	NA	NA	20.78	0.22
			8/22/2022	10.40	675.87	NA	NA	20.79	0.21
			11/17/2022	10.15	676.12	NA	NA	20.80	0.20
			2/15/2023	10.22	676.05	NA	NA	20.78	0.22
			8/14/2023	11.00	675.27	NA	NA	20.85	0.15
			2/19/2024	10.27	676.00	NA	NA	20.73	0.27
			8/19/2024	10.22	676.05	NA	NA	20.80	0.20
			2/27/2025	10.25	676.02	NA	NA	20.82	0.18
MW-1802	688.10	19.00	12/19/2018	11.41	676.61	TR	NA	18.86	0.14
			2/23/2021	13.60	676.12	11.90	18.86	18.98	0.02
			5/18/2021	11.09	676.93	TR	NA	18.84	0.16
			8/11/2021	11.25	676.77	TR	NA	18.84	0.16
			11/22/2021	11.13	676.89	TR	NA	18.86	0.14
			2/21/2022	10.86	677.24	TR	NA	18.85	0.15
			5/27/2022	11.28	676.82	NA	NA	18.83	0.17
			8/22/2022	11.85	676.25	NA	NA	18.86	0.14
			11/17/2022	11.15	676.95	NA	NA	18.85	0.15
			2/15/2023	11.37	676.73	NA	NA	18.85	0.15
			8/14/2023	11.98	676.12	NA	NA	18.92	0.08
			2/19/2024	11.40	676.70	NA	NA	18.79	0.21
			8/19/2024	11.17	676.93	NA	NA	18.87	0.13
			2/27/2025	11.92	676.18	NA	NA	18.90	0.10
MW-1803	686.98	19.00	12/19/2018	9.91	677.05	TR	NA	18.49	0.51
			2/23/2021	10.65	676.31	NA	NA	18.61	0.39
			5/18/2021	9.51	677.45	TR	NA	18.49	0.51
			8/11/2021	9.75	677.21	TR	NA	18.51	0.49
			11/22/2021	9.53	677.43	TR	NA	18.60	0.40
			2/21/2022	9.00	677.98	NA	NA	18.53	0.47
			5/27/2022	9.88	677.10	NA	NA	18.53	0.47
			8/22/2022	10.73	676.25	NA	NA	18.52	0.48
			11/17/2022	10.03	676.95	NA	NA	18.55	0.45
			2/15/2023	9.77	677.21	NA	NA	18.49	0.51
			8/14/2023	10.81	676.17	NA	NA	18.85	0.15
			2/19/2024	10.02	676.96	NA	NA	18.46	0.54
			8/19/2024	9.62	677.36	NA	NA	18.52	0.48
			2/27/2025	9.55	677.43	NA	NA	18.53	0.47

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Well ID	Measuring Point Elevation	Actual Depth to Bottom (feet bTOC)	Date	Depth to Water (feet bTOC)	Groundwater Elevation	Depth to LNAPL (feet bTOC)	Depth to DNAPL (feet bTOC)	Depth to Bottom (feet bTOC)	Accumulated Thickness of Sediments (feet)
MW-1804	686.67	13.00	12/19/2018	8.65	677.96	NA	NA	12.61	0.39
			2/23/2021	9.41	677.20	NA	NA	12.74	0.26
			5/18/2021	7.86	678.75	NA	NA	12.65	0.35
			8/11/2021	8.41	678.20	NA	NA	12.62	0.38
			11/22/2021	8.21	678.40	NA	NA	12.61	0.39
			2/21/2022	7.27	679.40	NA	NA	12.58	0.42
			5/27/2022	8.73	677.94	NA	NA	12.60	0.40
			8/22/2022	9.78	676.89	NA	NA	12.60	0.40
			11/17/2022	9.03	677.64	NA	NA	12.65	0.35
			2/15/2023	8.76	677.91	NA	NA	12.60	0.40
			8/14/2023	10.06	676.61	NA	NA	12.67	0.33
			2/19/2024	8.62	678.05	NA	NA	12.57	0.43
			8/19/2024	8.79	677.88	NA	NA	12.65	0.35
			2/27/2025	8.65	678.02	NA	NA	12.65	0.35
MW-1805	685.85	17.00	12/19/2018	11.43	674.37	NA	NA	16.58	0.42
			2/23/2021	11.66	674.14	NA	NA	16.73	0.27
			5/18/2021	11.15	674.65	NA	NA	16.66	0.34
			8/11/2021	11.42	674.38	NA	NA	16.62	0.38
			11/22/2021	11.39	674.41	NA	NA	16.61	0.39
			2/21/2022	10.83	675.02	NA	NA	16.58	0.42
			5/27/2022	11.47	674.38	NA	NA	16.62	0.38
			8/22/2022	11.70	674.15	NA	NA	16.61	0.39
			11/17/2022	11.63	674.22	NA	NA	16.60	0.40
			2/15/2023	11.61	674.24	NA	NA	16.60	0.40
			8/14/2023	12.02	673.83	NA	NA	16.68	0.32
			2/19/2024	11.59	674.26	NA	NA	16.57	0.43
			8/19/2024	11.58	674.27	NA	NA	16.61	0.39
			2/27/2025	11.51	674.34	NA	NA	16.59	0.41
MW-1806	686.87	15.00	12/19/2018	11.55	675.32	TR	NA	14.58	0.42
			2/23/2021	11.76	675.11	NA	NA	14.69	0.31
			5/18/2021	11.33	675.54	NA	NA	14.62	0.38
			8/11/2021	11.43	675.44	NA	NA	14.60	0.40
			11/22/2021	11.37	675.50	NA	NA	14.61	0.39
			2/21/2022	11.01	675.86	NA	NA	14.58	0.42
			5/27/2022	11.48	675.39	NA	NA	14.59	0.41
			8/22/2022	11.85	675.02	NA	NA	14.63	0.37
			11/17/2022	11.35	675.52	NA	NA	14.60	0.40
			2/15/2023	11.41	675.46	NA	NA	14.60	0.40
			8/14/2023	11.84	675.03	NA	NA	14.68	0.32
			2/19/2024	11.45	675.42	NA	NA	14.52	0.48
			8/19/2024	11.44	675.43	NA	NA	14.63	0.37
			2/27/2025	11.46	675.41	NA	NA	14.60	0.40
MW-1807	683.15	18.00	12/19/2018	9.82	673.34	TR	NA	17.66	0.34
			8/11/2021	9.94	673.22	NA	NA	17.36	0.64
			11/22/2021	9.83	673.33	NA	NA	17.41	0.59
			2/21/2022	8.97	674.18	NA	NA	17.53	0.47
			5/27/2022	9.88	673.27	NA	NA	17.10	0.90
			8/22/2022	10.13	673.02	NA	NA	17.59	0.41
			11/17/2022	9.85	673.30	NA	NA	17.45	0.55
			2/15/2023	9.90	673.25	NA	NA	17.56	0.44
			8/14/2023	10.36	672.79	NA	NA	17.65	0.35
			2/19/2024	9.80	673.35	NA	NA	17.48	0.52
			8/19/2024	9.83	673.32	NA	NA	17.51	0.49
			2/27/2025	9.78	673.37	NA	NA	17.50	0.50
MW-1808	686.68	21.00	12/19/2018	10.23	676.38	NA	NA	20.81	0.19
			2/23/2021	10.59	676.02	NA	NA	20.55	0.45
			5/18/2021	10.10	676.51	NA	NA	20.47	0.53
			8/11/2021	10.16	676.45	NA	NA	20.78	0.22
			11/22/2021	10.11	676.50	NA	NA	20.81	0.19

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MW-1808 (cont.)	686.68	21.00	2/21/2022	9.80	676.88	NA	NA	20.78	0.22
			5/27/2022	10.21	676.47	NA	NA	21.08	-0.08
			8/22/2022	10.55	676.13	NA	NA	20.28	0.72
			11/17/2022	10.33	676.35	NA	NA	20.82	0.18
			2/15/2023	10.34	676.34	NA	NA	20.78	0.22
			8/14/2023	10.89	675.79	NA	NA	20.82	0.18
			2/19/2024	10.29	676.39	NA	NA	20.17	0.83
			8/19/2024	10.33	676.35	NA	NA	20.28	0.72
			2/27/2025	10.28	676.40	NA	NA	20.35	0.65
MW-1809	682.62	15.00	12/19/2018	9.40	673.09	NA	NA	14.54	0.46
			8/11/2021	9.50	672.99	NA	NA	14.55	0.45
			11/22/2021	9.41	673.08	NA	NA	14.52	0.48
			2/21/2022	8.56	674.06	NA	NA	14.51	0.49
			5/27/2022	10.42	672.20	NA	NA	14.53	0.47
			8/22/2022	9.55	673.07	NA	NA	14.57	0.43
			11/17/2022	9.42	673.20	NA	NA	14.52	0.48
			2/15/2023	9.43	673.19	NA	NA	14.50	0.50
			8/14/2023	9.71	672.91	NA	NA	14.59	0.41
			2/19/2024	9.40	673.22	NA	NA	14.48	0.52
			8/19/2024	9.41	673.21	NA	NA	14.52	0.48
			2/27/2025	9.31	673.31	NA	NA	14.50	0.50
MW-1810	689.19	22.15	12/19/2018	10.26	678.77	NA	NA	22.00	0.15
			2/23/2021	10.27	678.76	NA	NA	22.14	0.01
			5/18/2021	9.88	679.15	NA	NA	22.02	0.13
			8/11/2021	10.11	678.92	NA	NA	22.01	0.14
			11/22/2021	10.02	679.01	NA	NA	22.01	0.14
			2/21/2022	9.57	679.62	NA	NA	21.98	0.17
			5/27/2022	10.06	679.13	NA	NA	22.02	0.13
			8/22/2022	10.33	678.86	NA	NA	22.03	0.12
			11/17/2022	10.25	678.94	NA	NA	22.05	0.10
			2/15/2023	10.26	678.93	NA	NA	22.02	0.13
			8/14/2023	10.10	679.09	NA	NA	22.09	0.06
			2/19/2024	10.18	679.01	NA	NA	22.00	0.15
			8/19/2024	10.31	678.88	NA	NA	22.03	0.12
			2/27/2025	10.14	679.05	NA	NA	22.03	0.12
NRW-01	688.97	21.00	2/23/2021	9.28	679.69	NA	NA	20.52	0.48
			5/18/2021	7.87	681.10	NA	NA	20.71	0.29
			8/11/2021	8.43	680.54	NA	NA	20.61	0.39
			11/22/2021	6.44	682.53	NA	NA	20.58	0.42
			2/21/2022	2.49	686.48	NA	NA	20.52	0.48
			5/27/2022	8.03	680.94	NA	NA	20.65	0.35
			8/22/2022	9.37	679.60	NA	NA	20.60	0.40
			11/17/2022	3.86	685.11	NA	NA	20.65	0.35
			2/15/2023	7.97	681.00	NA	NA	20.40	0.60
			8/14/2023	10.16	678.81	NA	NA	20.54	0.46
			2/19/2024	9.09	679.88	NA	NA	20.65	0.35
			8/19/2024	4.24	684.73	NA	NA	20.59	0.41
			2/27/2025	3.04	685.93	NA	NA	20.58	0.42
NRW-02	689.01	24.00	2/23/2021	9.32	679.69	NA	NA	23.95	0.05
			5/18/2021	7.89	681.12	NA	NA	23.89	0.11
			8/11/2021	8.48	680.53	NA	NA	23.83	0.17
			11/22/2021	6.48	682.53	NA	NA	23.81	0.19
			2/21/2022	2.53	686.48	NA	NA	23.83	0.17
			5/27/2022	8.11	680.90	NA	NA	23.79	0.21
			8/22/2022	9.41	679.60	NA	NA	23.94	0.06
			11/17/2022	3.90	685.11	NA	NA	23.94	0.06
			2/15/2023	8.00	681.01	NA	NA	23.78	0.22
			8/14/2023	10.20	678.81	NA	NA	24.00	0.00

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NRW-02 (cont.)	689.01	24.00	2/19/2024	9.12	679.89	NA	NA	23.85	0.15
			8/19/2024	4.30	684.71	NA	NA	23.82	0.18
			2/27/2025	3.08	685.93	NA	NA	23.90	0.10
AW-01	685.51	17.03	2/23/2021	10.52	674.99	NA	NA	17.09	-0.06
			5/18/2021	10.00	675.51	NA	NA	16.99	0.04
			8/11/2021	10.29	675.22	NA	NA	16.87	0.16
			11/22/2021	10.20	675.31	NA	NA	16.85	0.18
			2/21/2022	9.63	675.88	NA	NA	16.85	0.18
			5/27/2022	10.38	675.13	NA	NA	16.90	0.13
			8/22/2022	10.68	674.83	NA	NA	16.87	0.16
			11/17/2022	10.60	674.91	NA	NA	16.90	0.13
			2/15/2023	10.65	674.86	NA	NA	16.87	0.16
			8/14/2023	11.33	674.18	NA	NA	16.95	0.08
			2/19/2024	11.32	674.19	10.80	NA	16.42	0.61
			8/19/2024	10.63	674.88	TR	NA	16.62	0.41
			2/27/2025	10.63	674.88	TR	NA	16.25	0.78
AW-02	685.59	19.52	2/23/2021	10.54	675.05	NA	NA	19.57	-0.05
			5/18/2021	10.02	675.57	NA	NA	19.46	0.06
			8/11/2021	10.32	675.27	NA	NA	19.41	0.11
			11/22/2021	10.29	675.30	NA	NA	19.45	0.07
			2/21/2022	9.71	675.88	NA	NA	19.45	0.07
			5/27/2022	10.43	675.16	NA	NA	19.48	0.04
			8/22/2022	10.73	674.86	NA	NA	19.48	0.04
			11/17/2022	10.70	674.89	NA	NA	19.45	0.07
			2/15/2023	10.66	674.93	NA	NA	19.37	0.15
			8/14/2023	11.50	674.09	NA	NA	19.47	0.05
			2/19/2024	10.74	674.85	NA	NA	19.38	0.14
			8/19/2024	10.70	674.89	NA	NA	19.38	0.14
			2/27/2025	10.59	675.00	NA	NA	19.07	0.45
AW-03	685.83	16.49	2/23/2021	10.59	675.24	NA	NA	16.55	-0.06
			5/18/2021	10.09	675.74	NA	NA	16.45	0.04
			8/11/2021	10.36	675.47	NA	NA	16.41	0.08
			11/22/2021	10.23	675.60	NA	NA	16.43	0.06
			2/21/2022	9.67	676.16	NA	NA	16.47	0.02
			5/27/2022	10.06	675.77	NA	NA	16.46	0.03
			8/22/2022	10.76	675.07	NA	NA	15.76	0.73
			11/17/2022	10.62	675.21	NA	NA	16.50	-0.01
			2/15/2023	10.55	675.28	NA	NA	15.71	0.78
			8/14/2023	11.27	674.56	NA	NA	15.63	0.86
			2/19/2024	10.66	675.17	NA	NA	15.91	0.58
			8/19/2024	10.71	675.12	NA	NA	16.47	0.02
			2/27/2025	10.61	675.22	NA	NA	15.56	0.93
AW-04	686.01	16.48	2/23/2021	9.94	676.07	NA	NA	16.52	-0.04
			5/18/2021	9.49	676.52	NA	NA	16.45	0.03
			8/11/2021	9.58	676.43	NA	NA	16.39	0.09
			11/22/2021	9.37	676.64	NA	NA	16.34	0.14
			2/21/2022	9.14	676.87	NA	NA	16.42	0.06
			5/27/2022	9.73	676.28	NA	NA	16.39	0.09
			8/22/2022	10.09	675.92	NA	NA	16.39	0.09
			11/17/2022	9.81	676.20	NA	NA	16.40	0.08
			2/15/2023	9.82	676.19	NA	NA	16.33	0.15
			8/14/2023	10.65	675.36	NA	NA	16.42	0.06
			2/19/2024	9.89	676.12	NA	NA	16.33	0.15
			8/19/2024	9.88	676.13	NA	NA	16.31	0.17
			2/27/2025	9.92	676.09	NA	NA	16.32	0.16
AW-05	686.12	16.69	2/23/2021	9.84	676.28	NA	NA	16.81	-0.12
			5/18/2021	9.32	676.80	NA	NA	16.69	0.00
			8/11/2021	9.49	676.63	NA	NA	16.65	0.04
			11/22/2021	9.38	676.74	NA	NA	16.64	0.05

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AW-05 (cont.)	686.12	16.69	2/21/2022	8.93	677.19	NA	NA	16.57	0.12
			5/27/2022	9.53	676.59	NA	NA	16.59	0.10
			8/22/2022	9.91	676.21	NA	NA	16.59	0.10
			11/17/2022	9.66	676.46	NA	NA	16.65	0.04
			2/15/2023	9.60	676.52	NA	NA	16.65	0.04
			8/14/2023	10.60	675.52	NA	NA	16.65	0.04
			2/19/2024	9.62	676.50	NA	NA	16.59	0.10
			8/19/2024	9.72	676.40	NA	NA	16.57	0.12
			2/27/2025	9.57	676.55	NA	NA	16.65	0.04
AW-06	686.20	16.48	2/23/2021	9.84	676.28	NA	NA	16.81	-0.12
			5/18/2021	9.32	676.80	NA	NA	16.69	0.00
			8/11/2021	9.49	676.63	NA	NA	16.65	0.04
			11/22/2021	9.38	676.74	NA	NA	16.64	0.05
			2/21/2022	8.87	677.33	NA	NA	16.42	0.06
			5/27/2022	9.40	676.80	NA	NA	16.41	0.07
			8/22/2022	9.82	676.38	NA	NA	16.43	0.05
			11/17/2022	9.55	676.65	NA	NA	16.45	0.03
			2/15/2023	9.55	676.65	NA	NA	16.36	0.12
			8/14/2023	10.51	675.69	NA	NA	16.49	-0.01
			2/19/2024	9.57	676.63	NA	NA	16.35	0.13
			8/19/2024	9.65	676.55	NA	NA	16.33	0.15
			2/27/2025	9.45	676.75	NA	NA	16.45	0.03
AW-07	686.26	16.45	2/23/2021	9.79	676.47	NA	NA	16.41	0.04
			5/18/2021	9.32	676.94	NA	NA	16.30	0.15
			8/11/2021	9.43	676.83	NA	NA	16.30	0.15
			11/22/2021	9.37	676.89	NA	NA	16.24	0.21
			2/21/2022	8.99	677.27	NA	NA	16.27	0.18
			5/27/2022	9.48	676.78	NA	NA	16.26	0.19
			8/22/2022	9.91	676.35	NA	NA	15.65	0.80
			11/17/2022	9.67	676.59	NA	NA	16.25	0.20
			2/15/2023	9.60	676.66	NA	NA	16.25	0.20
			8/14/2023	10.41	675.85	NA	NA	16.31	0.14
			2/19/2024	9.69	676.57	NA	NA	16.24	0.21
			8/19/2024	9.73	676.53	NA	NA	16.23	0.22
			2/27/2025	9.54	676.72	NA	NA	16.29	0.16
AW-08	686.52	16.45	2/23/2021	10.05	676.47	NA	NA	16.51	-0.06
			5/18/2021	9.69	676.83	NA	NA	16.37	0.08
			8/11/2021	9.74	676.78	NA	NA	16.33	0.12
			11/22/2021	9.70	676.82	NA	NA	16.28	0.17
			2/21/2022	9.39	677.13	NA	NA	16.39	0.06
			5/27/2022	9.45	677.07	NA	NA	16.32	0.13
			8/22/2022	10.13	676.39	NA	NA	16.32	0.13
			11/17/2022	9.91	676.61	NA	NA	16.40	0.05
			2/15/2023	9.88	676.64	NA	NA	16.36	0.09
			8/14/2023	10.57	675.95	NA	NA	16.37	0.08
			2/19/2024	9.91	676.61	NA	NA	16.34	0.11
			8/19/2024	9.98	676.54	NA	NA	16.33	0.12
			2/27/2025	9.80	676.72	NA	NA	16.38	0.07
AW-09	686.57	16.56	2/23/2021	10.28	676.29	NA	NA	16.62	-0.06
			5/18/2021	9.81	676.76	NA	NA	16.51	0.05
			8/11/2021	9.95	676.62	NA	NA	16.49	0.07
			11/22/2021	9.80	676.77	NA	NA	16.51	0.05
			2/21/2022	9.47	677.10	NA	NA	16.48	0.08
			5/27/2022	9.84	676.73	NA	NA	16.49	0.07
			8/22/2022	10.26	676.31	NA	NA	16.45	0.11
			11/17/2022	10.09	676.48	NA	NA	16.50	0.06
			2/15/2023	10.06	676.51	NA	NA	16.18	0.38
			8/14/2023	10.57	676.00	NA	NA	16.29	0.27

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AW-09 (cont.)	686.57	16.56	2/19/2024	10.06	676.51	NA	NA	16.17	0.39
			8/19/2024	10.12	676.45	NA	NA	16.49	0.07
			2/27/2025	9.83	676.74	NA	NA	16.34	0.22
AW-10	686.38	16.86	2/23/2021	10.09	676.29	NA	NA	16.92	-0.06
			5/18/2021	9.54	676.84	NA	NA	16.79	0.07
			8/11/2021	9.68	676.70	NA	NA	16.75	0.11
			11/22/2021	9.55	676.83	NA	NA	16.75	0.11
			2/21/2022	9.26	677.12	NA	NA	16.72	0.14
			5/27/2022	9.63	676.75	NA	NA	16.66	0.20
			8/22/2022	10.02	676.36	NA	NA	16.73	0.13
			11/17/2022	9.69	676.69	NA	NA	16.75	0.11
			2/15/2023	9.75	676.63	NA	NA	16.72	0.14
			8/14/2023	10.28	676.10	NA	NA	16.81	0.05
			2/19/2024	9.76	676.62	NA	NA	16.71	0.15
			8/19/2024	9.67	676.71	NA	NA	16.68	0.18
			2/27/2025	9.42	676.96	NA	NA	16.76	0.10
AW-11	686.52	16.20	2/23/2021	10.18	676.34	NA	NA	16.28	-0.08
			5/18/2021	9.63	676.89	NA	NA	16.18	0.02
			8/11/2021	9.74	676.78	NA	NA	16.14	0.06
			11/22/2021	9.63	676.89	NA	NA	16.12	0.08
			2/21/2022	9.35	677.17	NA	NA	16.14	0.06
			5/27/2022	9.80	676.72	NA	NA	16.11	0.09
			8/22/2022	10.16	676.36	NA	NA	16.16	0.04
			11/17/2022	9.70	676.82	NA	NA	16.11	0.09
			2/15/2023	9.82	676.70	NA	NA	16.07	0.13
			8/14/2023	10.36	676.16	NA	NA	16.18	0.02
			2/19/2024	9.84	676.68	NA	NA	16.07	0.13
			8/19/2024	9.75	676.77	NA	NA	16.08	0.12
			2/27/2025	9.73	676.79	NA	NA	16.15	0.05
AW-12	687.09	17.00	2/23/2021	10.71	676.38	NA	TR	17.05	-0.05
			5/18/2021	10.24	676.85	NA	NA	17.00	0.00
			8/11/2021	10.20	676.89	NA	NA	16.90	0.10
			11/22/2021	10.14	676.95	TR	NA	16.87	0.13
			2/21/2022	9.98	677.11	NA	NA	16.89	0.11
			5/27/2022	9.28	677.81	NA	NA	16.89	0.11
			8/22/2022	10.64	676.45	NA	NA	16.87	0.13
			11/17/2022	10.12	676.97	NA	NA	16.93	0.07
			2/15/2023	10.23	676.86	NA	NA	16.89	0.11
			8/14/2023	10.92	676.17	NA	NA	16.93	0.07
			2/19/2024	10.35	676.74	NA	NA	16.83	0.17
			8/19/2024	10.18	676.91	NA	NA	16.88	0.12
			2/27/2025	10.42	676.67	NA	NA	16.92	0.08
AW-13	687.05	18.00	2/23/2021	10.68	676.37	NA	TR	18.02	-0.02
			5/18/2021	10.17	676.88	NA	NA	17.98	0.02
			8/11/2021	10.13	676.92	NA	NA	17.84	0.16
			11/22/2021	10.11	676.94	NA	NA	17.84	0.16
			2/21/2022	9.89	677.16	NA	NA	17.91	0.09
			5/27/2022	10.21	676.84	NA	NA	17.85	0.15
			8/22/2022	10.60	676.45	NA	NA	17.89	0.11
			11/17/2022	10.29	676.76	NA	NA	17.87	0.13
			2/15/2023	10.30	676.75	NA	NA	17.85	0.15
			8/14/2023	10.90	676.15	NA	NA	17.95	0.05
			2/19/2024	10.12	676.93	NA	NA	17.82	0.18
			8/19/2024	10.91	676.14	NA	NA	17.85	0.15
			2/27/2025	10.39	676.66	NA	NA	17.88	0.12
AW-14	687.34	17.95	2/23/2021	11.03	676.31	NA	NA	18.04	-0.09
			5/18/2021	10.47	676.87	NA	NA	17.99	-0.04
			8/11/2021	10.50	676.84	NA	NA	17.86	0.09
			11/22/2021	10.39	676.95	NA	NA	17.85	0.10

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AW-14 (cont.)	687.34	17.95	2/21/2022	10.18	677.16	NA	NA	17.87	0.08
			5/27/2022	10.53	676.81	NA	NA	17.86	0.09
			8/22/2022	10.93	676.41	NA	NA	17.90	0.05
			11/17/2022	10.54	676.80	NA	NA	17.87	0.08
			2/15/2023	10.53	676.81	NA	NA	17.85	0.10
			8/14/2023	11.18	676.16	NA	NA	17.98	-0.03
			2/19/2024	10.23	677.11	NA	NA	17.85	0.10
			8/19/2024	10.35	676.99	NA	NA	17.83	0.12
			2/27/2025	10.78	676.56	NA	NA	17.92	0.03
AW-15	687.51	16.44	2/23/2021	11.30	676.21	NA	NA	16.50	-0.06
			5/18/2021	10.51	677.00	NA	NA	16.50	-0.06
			8/11/2021	10.57	676.94	NA	NA	16.37	0.07
			11/22/2021	10.43	677.08	NA	NA	16.34	0.10
			2/21/2022	10.17	677.34	NA	NA	16.38	0.06
			5/27/2022	11.02	676.49	NA	NA	16.33	0.11
			8/22/2022	11.11	676.40	NA	NA	16.42	0.02
			11/17/2022	10.53	676.98	NA	NA	16.36	0.08
			2/15/2023	10.58	676.93	NA	NA	16.32	0.12
			8/14/2023	11.35	676.16	NA	NA	16.43	0.01
			2/19/2024	10.73	676.78	NA	NA	16.32	0.12
			8/19/2024	10.34	677.17	NA	NA	16.32	0.12
			2/27/2025	11.05	676.46	NA	NA	16.41	0.03
AW-16	687.75	16.19	2/23/2021	11.36	676.39	NA	NA	16.25	-0.06
			5/18/2021	10.51	677.24	NA	NA	16.18	0.01
			8/11/2021	10.62	677.13	NA	NA	16.08	0.11
			11/22/2021	10.53	677.22	NA	NA	16.09	0.10
			2/21/2022	10.07	677.68	NA	NA	16.04	0.15
			5/27/2022	10.78	676.97	NA	NA	16.08	0.11
			8/22/2022	10.15	677.60	NA	NA	16.12	0.07
			11/17/2022	10.41	677.34	NA	NA	16.06	0.13
			2/15/2023	10.62	677.13	NA	NA	16.08	0.11
			8/14/2023	11.33	676.42	NA	NA	16.13	0.06
			2/19/2024	10.75	677.00	NA	NA	16.05	0.14
			8/19/2024	10.30	677.45	NA	NA	16.04	0.15
			2/27/2025	11.07	676.68	NA	NA	16.13	0.06
AW-17	687.69	16.08	2/23/2021	11.19	676.50	NA	NA	16.14	-0.06
			5/18/2021	10.36	677.33	NA	NA	16.03	0.05
			8/11/2021	10.40	677.29	NA	NA	15.95	0.13
			11/22/2021	10.37	677.32	NA	NA	16.01	0.07
			2/21/2022	9.90	677.79	NA	NA	15.97	0.11
			5/27/2022	10.64	677.05	NA	NA	15.93	0.15
			8/22/2022	11.01	676.68	NA	NA	15.97	0.11
			11/17/2022	10.26	677.43	NA	NA	16.02	0.06
			2/15/2023	10.37	677.32	NA	NA	16.00	0.08
			8/14/2023	11.18	676.51	NA	NA	16.02	0.06
			2/19/2024	10.61	677.08	NA	NA	15.93	0.15
			8/19/2024	10.09	677.60	NA	NA	15.93	0.15
			2/27/2025	10.63	677.06	NA	NA	16.02	0.06
AW-18	687.74	16.22	2/23/2021	11.24	676.50	NA	NA	16.25	-0.03
			5/18/2021	10.32	677.42	NA	NA	16.15	0.07
			8/11/2021	10.43	677.31	NA	NA	16.12	0.10
			11/22/2021	10.35	677.39	NA	NA	16.05	0.17
			2/21/2022	9.73	678.01	NA	NA	16.05	0.17
			5/27/2022	10.67	677.07	NA	NA	16.07	0.15
			8/22/2022	11.09	676.65	NA	NA	16.13	0.09
			11/17/2022	10.21	677.53	NA	NA	16.08	0.14
			2/15/2023	10.39	677.35	NA	NA	16.05	0.17
			8/14/2023	11.24	676.50	NA	NA	15.84	0.38

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AW-18 (cont.)	687.74	16.22	2/19/2024	10.58	677.16	NA	NA	15.68	0.54
			8/19/2024	9.77	677.97	NA	NA	15.73	0.49
			2/27/2025	9.43	678.31	NA	NA	15.78	0.44
AW-19	687.73	16.70	2/23/2021	11.20	676.53	NA	NA	16.79	-0.09
			5/18/2021	10.16	677.57	NA	NA	16.63	0.07
			8/11/2021	10.32	677.41	NA	NA	16.61	0.09
			11/22/2021	10.03	677.70	NA	NA	16.63	0.07
			2/21/2022	9.32	678.41	NA	NA	16.60	0.10
			5/27/2022	11.03	676.70	NA	NA	16.53	0.17
			8/22/2022	11.06	676.67	NA	NA	16.57	0.13
			11/17/2022	10.04	677.69	NA	NA	16.54	0.16
			2/15/2023	10.22	677.51	NA	NA	16.08	0.62
			8/14/2023	11.24	676.49	NA	NA	16.06	0.64
			2/19/2024	10.60	677.13	NA	NA	15.92	0.78
			8/19/2024	9.28	678.45	NA	NA	15.92	0.78
			2/27/2025	9.48	678.25	NA	NA	15.97	0.73
AW-20	687.59	16.70	2/23/2021	11.03	676.56	NA	NA	16.72	-0.02
			5/18/2021	9.95	677.64	NA	NA	16.55	0.15
			8/11/2021	10.10	677.49	NA	NA	16.56	0.14
			11/22/2021	9.97	677.62	NA	NA	16.58	0.12
			2/21/2022	9.34	678.25	NA	NA	16.54	0.16
			5/27/2022	11.08	676.51	NA	NA	16.53	0.17
			8/22/2022	10.92	676.67	NA	NA	16.44	0.26
			11/17/2022	9.96	677.63	NA	NA	16.37	0.33
			2/15/2023	10.10	677.49	NA	NA	16.03	0.67
			8/14/2023	10.08	677.51	NA	NA	15.92	0.78
			2/19/2024	10.32	677.27	NA	NA	15.80	0.90
			8/19/2024	9.48	678.11	NA	NA	15.69	1.01
			2/27/2025	9.58	678.01	NA	NA	15.82	0.88
AW-21	687.43	16.40	2/23/2021	10.93	676.50	TR	NA	16.46	-0.06
			5/18/2021	9.76	677.67	TR	NA	16.29	0.11
			8/11/2021	9.90	677.53	TR	NA	16.35	0.05
			11/22/2021	9.77	677.66	TR	NA	16.34	0.06
			2/21/2022	9.25	678.18	NA	NA	16.28	0.12
			5/27/2022	10.49	676.94	NA	NA	16.27	0.13
			8/22/2022	10.81	676.62	NA	NA	16.33	0.07
			11/17/2022	9.89	677.54	NA	NA	16.29	0.11
			2/15/2023	10.62	676.81	NA	NA	16.29	0.11
			8/14/2023	10.91	676.52	NA	NA	16.35	0.05
			2/19/2024	10.13	677.30	NA	NA	16.28	0.12
			8/19/2024	10.12	677.31	NA	NA	16.35	0.05
			2/27/2025	9.58	677.85	NA	NA	16.35	0.05
AW-22	687.12	19.30	2/23/2021	10.75	676.37	TR	NA	19.35	-0.05
			5/18/2021	9.56	677.56	TR	NA	19.16	0.14
			8/11/2021	9.74	677.38	TR	NA	19.16	0.14
			11/22/2021	9.58	677.54	TR	NA	19.16	0.14
			2/21/2022	9.08	678.04	NA	NA	19.16	0.14
			5/27/2022	10.03	677.09	NA	NA	19.13	0.17
			8/22/2022	10.73	676.39	NA	NA	19.18	0.12
			11/17/2022	10.00	677.12	NA	NA	19.15	0.15
			2/15/2023	9.77	677.35	NA	NA	19.14	0.16
			8/14/2023	10.83	676.29	NA	NA	19.23	0.07
			2/19/2024	10.01	677.11	NA	NA	19.14	0.16
			8/19/2024	9.81	677.31	NA	NA	19.21	0.09
			2/27/2025	9.53	677.59	NA	NA	19.16	0.14
AW-23	686.86	16.46	2/23/2021	10.44	676.42	NA	NA	16.54	-0.08
			5/18/2021	9.30	677.56	NA	NA	16.40	0.06
			8/11/2021	9.55	677.31	NA	NA	16.36	0.10
			11/22/2021	9.23	677.63	NA	NA	16.40	0.06

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AW-23 (cont.)	686.86	16.46	2/21/2022	9.74	677.12	NA	NA	16.40	0.06
			5/27/2022	9.81	677.05	NA	NA	16.38	0.08
			8/22/2022	10.48	676.38	NA	NA	16.02	0.44
			11/17/2022	9.75	677.11	NA	NA	16.35	0.11
			2/15/2023	9.45	677.41	NA	NA	16.17	0.29
			8/14/2023	10.57	676.29	NA	NA	16.22	0.24
			2/19/2024	9.74	677.12	NA	NA	16.15	0.31
			8/19/2024	9.32	677.54	NA	NA	16.02	0.44
			2/27/2025	9.21	677.65	NA	NA	16.02	0.44
AW-24	686.89	16.50	2/23/2021	10.45	676.44	NA	NA	16.56	-0.06
			5/18/2021	9.23	677.66	NA	NA	16.31	0.19
			8/11/2021	9.51	677.38	NA	NA	16.38	0.12
			11/22/2021	9.21	677.68	NA	NA	16.34	0.16
			2/21/2022	8.62	678.27	NA	NA	16.36	0.14
			5/27/2022	10.79	676.10	NA	NA	16.40	0.10
			8/22/2022	10.47	676.42	NA	NA	16.38	0.12
			11/17/2022	9.05	677.84	NA	NA	16.35	0.15
			2/15/2023	9.57	677.32	NA	NA	16.34	0.16
			8/14/2023	10.60	676.29	NA	NA	16.39	0.11
			2/19/2024	9.64	677.25	NA	NA	16.32	0.18
			8/19/2024	9.30	677.59	NA	NA	16.33	0.17
			2/27/2025	9.19	677.70	NA	NA	16.33	0.17
AW-25	686.81	15.61	2/23/2021	10.08	676.73	NA	NA	15.72	-0.11
			5/18/2021	8.78	678.03	NA	NA	15.51	0.10
			8/11/2021	9.19	677.62	NA	NA	15.55	0.06
			11/22/2021	8.86	677.95	NA	NA	15.56	0.05
			2/21/2022	8.25	678.56	NA	NA	15.50	0.11
			5/27/2022	9.56	677.25	NA	NA	15.48	0.13
			8/22/2022	10.22	676.59	NA	NA	15.54	0.07
			11/17/2022	9.52	677.29	NA	NA	15.52	0.09
			2/15/2023	9.29	677.52	NA	NA	15.05	0.56
			8/14/2023	10.33	676.48	NA	NA	15.08	0.53
			2/19/2024	9.31	677.50	NA	NA	14.90	0.71
			8/19/2024	9.16	677.65	NA	NA	14.96	0.65
			2/27/2025	9.02	677.79	NA	NA	15.00	0.61
AW-26	686.95	17.94	2/23/2021	10.10	676.85	NA	NA	18.02	-0.08
			5/18/2021	8.79	678.16	NA	NA	17.76	0.18
			8/11/2021	9.14	677.81	NA	NA	17.80	0.14
			11/22/2021	8.85	678.10	NA	NA	17.79	0.15
			2/21/2022	8.15	678.80	NA	NA	17.79	0.15
			5/27/2022	10.05	676.90	NA	NA	17.78	0.16
			8/22/2022	10.18	676.77	NA	NA	17.79	0.15
			11/17/2022	9.52	677.43	NA	NA	17.80	0.14
			2/15/2023	9.23	677.72	NA	NA	17.77	0.17
			8/14/2023	10.25	676.70	NA	NA	17.83	0.11
			2/19/2024	9.27	677.68	NA	NA	17.71	0.23
			8/19/2024	9.22	677.73	NA	NA	17.75	0.19
			2/27/2025	9.11	677.84	NA	NA	17.82	0.12
PMW-01	685.87	19.65	2/23/2021	10.83	675.04	NA	NA	19.70	-0.05
			5/18/2021	10.33	675.54	NA	NA	19.59	0.06
			8/11/2021	10.63	675.24	NA	NA	19.58	0.07
			11/22/2021	10.49	675.38	NA	NA	19.58	0.07
			2/21/2022	9.56	676.31	NA	NA	19.55	0.10
			5/27/2022	10.63	675.24	NA	NA	19.37	0.28
			8/22/2022	11.00	674.87	NA	NA	19.53	0.12
			11/17/2022	10.75	675.12	NA	NA	19.50	0.15
			2/15/2023	10.91	674.96	NA	NA	19.55	0.10
			8/14/2023	11.65	674.22	NA	NA	19.55	0.10

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PMW-01 (cont.)	685.87	19.65	2/19/2024	11.01	674.86	NA	NA	19.38	0.27
			8/19/2024	10.95	674.92	NA	NA	19.46	0.19
			2/27/2025	10.83	675.04	NA	NA	19.40	0.25
PMW-02	685.70	19.06	2/23/2021	10.60	675.10	NA	NA	19.12	-0.06
			5/18/2021	10.09	675.61	NA	NA	19.05	0.01
			8/11/2021	10.32	675.38	NA	NA	19.02	0.04
			11/22/2021	10.26	675.44	NA	NA	19.00	0.06
			2/21/2022	9.65	676.05	NA	NA	19.00	0.06
			5/27/2022	10.44	675.26	NA	NA	19.00	0.06
			8/22/2022	10.82	674.88	NA	NA	19.02	0.04
			11/17/2022	10.76	674.94	NA	NA	18.98	0.08
			2/15/2023	10.72	674.98	NA	NA	18.98	0.08
			8/14/2023	11.51	674.19	NA	NA	19.09	-0.03
			2/19/2024	10.82	674.88	NA	NA	18.92	0.14
			8/19/2024	10.74	674.96	NA	NA	17.19	1.87
			2/27/2025	10.62	675.08	NA	NA	17.18	1.88
PMW-03	687.40	18.03	2/23/2021	11.02	676.38	TR	NA	17.67	0.36
			5/18/2021	10.51	676.89	TR	NA	17.44	0.59
			8/11/2021	10.59	676.81	TR	NA	17.48	0.55
			11/22/2021	10.49	676.91	TR	NA	17.41	0.62
			2/21/2022	10.35	677.05	TR	TR	17.53	0.50
			5/27/2022	10.55	676.85	NA	NA	17.27	0.76
			8/22/2022	9.95	677.45	TR	NA	17.34	0.69
			11/17/2022	10.66	676.74	NA	NA	17.31	0.72
			2/15/2023	10.63	676.77	NA	NA	17.31	0.72
			8/14/2023	11.50	675.90	11.16	NA	17.31	0.72
			2/19/2024	10.72	676.68	TR	NA	17.29	0.74
			8/19/2024	10.51	676.89	TR	NA	17.30	0.73
			2/27/2025	10.73	676.67	TR	NA	17.26	0.77
PMW-04	687.35	18.15	2/23/2021	10.94	676.41	NA	NA	18.25	-0.10
			5/18/2021	10.34	677.01	TR	NA	18.03	0.12
			8/11/2021	10.42	676.93	TR	NA	17.98	0.17
			11/22/2021	10.33	677.02	TR	NA	18.00	0.15
			2/21/2022	10.22	677.13	NA	NA	17.99	0.16
			5/27/2022	10.42	676.93	NA	NA	17.87	0.28
			8/22/2022	10.85	676.50	NA	NA	17.93	0.22
			11/17/2022	10.54	676.81	NA	NA	17.89	0.26
			2/15/2023	10.53	676.82	NA	NA	17.88	0.27
			8/14/2023	11.17	676.18	NA	NA	17.93	0.22
			2/19/2024	10.50	676.85	NA	NA	17.75	0.40
			8/19/2024	10.37	676.98	NA	NA	17.85	0.30
			2/27/2025	10.58	676.77	NA	NA	17.85	0.30
PMW-05	687.01	16.65	2/23/2021	10.43	676.58	NA	NA	16.70	-0.05
			5/18/2021	9.24	677.77	NA	NA	16.58	0.07
			8/11/2021	9.54	677.47	NA	NA	16.55	0.10
			11/22/2021	9.28	677.73	NA	NA	16.58	0.07
			2/21/2022	8.75	678.26	NA	NA	16.62	0.03
			5/27/2022	9.66	677.35	NA	NA	16.57	0.08
			8/22/2022	10.55	676.46	NA	NA	16.61	0.04
			11/17/2022	9.90	677.11	NA	NA	16.60	0.05
			2/15/2023	9.71	677.30	NA	NA	16.56	0.09
			8/14/2023	10.73	676.28	NA	NA	16.65	0.00
			2/19/2024	9.80	677.21	NA	NA	16.54	0.11
			8/19/2024	9.57	677.44	NA	NA	16.55	0.10
			2/27/2025	9.43	677.58	NA	NA	16.62	0.03
PMW-06	686.91	17.22	2/23/2021	9.87	677.04	NA	NA	17.28	-0.06
			5/18/2021	8.57	678.34	NA	NA	17.17	0.05
			8/11/2021	9.04	677.87	NA	NA	17.15	0.07
			11/22/2021	8.64	678.27	NA	NA	17.15	0.07

See Notes on last page.

Table 2
Gauging Data
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Well ID	Measuring Point Elevation	Actual Depth to Bottom (feet bTOC)	Date	Depth to Water (feet bTOC)	Groundwater Elevation	Depth to LNAPL (feet bTOC)	Depth to DNAPL (feet bTOC)	Depth to Bottom (feet bTOC)	Accumulated Thickness of Sediments (feet)
PMW-06 (cont.)	686.91	17.22	2/21/2022	7.89	679.02	NA	NA	17.14	0.08
			5/27/2022	9.13	677.78	NA	NA	17.13	0.09
			8/22/2022	9.99	676.92	NA	NA	17.17	0.05
			11/17/2022	9.23	677.68	NA	NA	17.15	0.07
			2/15/2023	8.82	678.09	NA	NA	17.14	0.08
			8/14/2023	10.11	676.80	NA	NA	17.22	0.00
			2/19/2024	8.87	678.04	NA	NA	17.12	0.10
			8/19/2024	8.98	677.93	NA	NA	17.14	0.08
			2/27/2025	8.56	678.35	NA	NA	17.16	0.06

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Table 2
Gauging Data
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Notes:
1. All measurements are from bTOC.
2. Elevations are referenced to North American Vertical Datum of 1988. Elevations were resurveyed on August 24, 2022.
3. PZ25 is believed to now be located under a homeowner's swimming pool. PZ25 was reinstalled as PZ-25R during the August 2023 monitoring event.

Acronyms and Abbreviations:
AW - application well
bTOC - below Top of Casing
Could not locate - Attempts were made to locate the well with a site map and metal detector, but the well was not located.
DNAPL - dense non-aqueous phase liquid
LNAPL - light non-aqueous phase liquid
MW - monitoring well
NA - Not available/applicable
No access - No access agreement was in place on the gauging date.
Not accessible - The well was temporarily not accessible due to an obstruction.
NRW - NAPL recovery well
PMW - performance monitoring well
PZ - piezometer
TR - Trace

Table 3
Groundwater Analytical Data
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW04S					MW-1801				MW-1802			
Date Collected:			11/14/05	12/20/18	08/24/22	08/17/23	08/21/24	12/19/18	08/24/22	08/17/23	08/21/24	12/19/18	08/26/22	08/17/23	08/21/24
Volatile Organics															
Benzene	1	ug/L	**59**	**22**	**38**	**42**	**39**	**34**	**40**	**45 J**	**35**	10 U	10 U	10 UJ	1.0 U
Ethylbenzene	5	ug/L	**110 D**	**92**	**130**	**120**	**120**	**290 J**	**190**	**170 J**	**180**	**380**	**190**	**210 J**	**0.96 J**
m,p-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	ug/L	**19**	**5.4**	**5.4**	**4.5**	10 U	**12**	**5.2**	**4.7 J**	**5.0**	**8.6 J**	**6.3 J**	10 UJ	1.0 U
Xylenes (total)	5	ug/L	**100**	**29**	**54**	**49**	**32**	**80**	**69**	**78 J**	**51**	**240**	**110**	**120 J**	**3.3**
Total BTEX	- -	ug/L	**290**	**150**	**230**	**220**	**191**	**420 J**	**300**	**300 J**	**271**	**630 J**	**310 J**	**330 J**	**4.3 J**
Semivolatile Organics															
Acenaphthene	20	ug/L	**190 D**	**82**	**190**	**180 D**	**140**	**110**	**110**	**89 D**	**94**	**260 D**	**120**	**120 DJ**	25 U
Acenaphthylene	- -	ug/L	**9.0**	**4.3 J**	**7.4 J**	**7.6**	**6.4 J**	**8.1 J**	**7.9 J**	**7.5**	**6.7 J**	**18**	100 U	**4.5 J**	25 U
Anthracene	50	ug/L	**16**	**5.0 J**	**11 J**	**16**	**8.1 J**	**13 J**	**14 J**	**12**	**8.8 J**	**13**	**12 J**	**7.7**	25 U
Benzo(a)anthracene	0.002	ug/L	**2.0 J**	50 U	52 U	5.0 U	50 U	25 U	26 U	5.0 U	50 U	**0.82 J**	100 U	**0.89 J**	25 U
Benzo(a)pyrene	0	ug/L	**2.0 J**	50 U	52 U	5.0 U	50 U	25 U	26 U	5.0 U	50 U	**0.67 J**	100 U	**0.51 J**	25 U
Benzo(b)fluoranthene	0.002	ug/L	**2.0 J**	50 U	52 U	5.0 U	50 U	25 U	26 U	5.0 U	50 U	**0.56 J**	100 U	**0.37 J**	25 U
Benzo(g,h,i)perylene	- -	ug/L	**0.70 J**	50 U	52 U	5.0 U	50 U	25 U	26 U	5.0 U	50 U	5.0 U	100 U	5.0 U	25 U
Benzo(k)fluoranthene	0.002	ug/L	**2.0 J**	50 U	52 U	5.0 U	50 U	25 U	26 U	5.0 U	50 U	5.0 U	100 U	5.0 U	25 U
Chrysene	0.002	ug/L	**2.0 J**	50 U	52 U	5.0 U	50 U	25 U	26 U	5.0 U	50 U	**1.1 J**	100 U	**0.84 J**	25 U
Dibenzo(a,h)anthracene	- -	ug/L	9.0 U	50 U	52 U	5.0 U	50 U	25 U	26 U	5.0 U	50 U	5.0 U	100 U	5.0 U	25 U
Fluoranthene	50	ug/L	**10**	50 U	52 U	**5.8**	**5.2 J**	**4.6 J**	**5.0 J**	**4.9 J**	**5.1 J**	**8.7**	**8.9 J**	**5.5**	25 U
Fluorene	50	ug/L	**61**	**25 J**	**62**	**64**	**41 J**	**43**	**40**	**36**	**32 J**	**64**	**34 J**	**30**	25 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	**0.50 J**	50 U	52 U	5.0 U	50 U	25 U	26 U	5.0 U	50 U	5.0 U	100 U	5.0 U	25 U
Naphthalene	10	ug/L	**340 D**	50 U	**340**	**180 D**	50 U	**57**	**170**	**200 D**	**8.7 J**	**770 D**	**680**	**1500 D**	25 U
Phenanthrene	50	ug/L	**84**	**29 J**	**73**	**79 D**	**30 J**	**58**	**62**	**54**	**39 J**	**88 DJ**	**36 J**	**33**	25 U
Pyrene	50	ug/L	**13**	50 U	**5.0 J**	**6.8**	**5.3 J**	**6.5 J**	**6.9 J**	**6.4**	**5.9 J**	**10**	**12 J**	**7.4**	**1.7 J**
Total PAHs	- -	ug/L	**740 J**	**150 J**	**720 J**	**560**	**236 J**	**300 J**	**420 J**	**420 J**	**200 J**	**1200 J**	**920 J**	**1800 J**	**1.7 J**

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Table 3
Groundwater Analytical Data
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-1803				MW-1804				MW-1805			
Date Collected:			12/19/18	08/23/22	08/17/23	08/21/24	12/19/18	08/23/22	08/17/23	08/21/24	12/20/18	08/25/22	08/15/23	08/20/24
Volatile Organics														
Benzene	1	ug/L	**54**	**12**	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	**55**	**49**	**51**	**56**
Ethylbenzene	5	ug/L	**350**	**150**	**81**	**76**	1.0 U	1.0 U	1.0 U	1.0 U	**180**	**150**	**100 J**	**110**
m,p-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	ug/L	**11**	10 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	**8.4**	**6.6**	**4.6 J**	**4.6 J**
Xylenes (total)	5	ug/L	**250**	**100**	**50**	**42**	2.0 U	2.0 U	2.0 U	2.0 U	**57**	**66**	**58**	**33**
Total BTEX	- -	ug/L	**670**	**260**	**130**	**118**	ND	ND	ND	ND	**300**	**270**	**210 J**	**204 J**
Semivolatile Organics														
Acenaphthene	20	ug/L	**180 D**	**240**	**200**	50 U	5.0 U	5.4 U	5.0 U	5.0 U	**170**	**170**	**130 D**	**130**
Acenaphthylene	- -	ug/L	**16**	**45 J**	**28 J**	50 U	5.0 U	5.4 U	5.0 U	5.0 U	**9.1 J**	**8.0 J**	**6.2**	**5.1 J**
Anthracene	50	ug/L	**14**	**15 J**	**12 J**	50 U	5.0 U	5.4 U	5.0 U	5.0 U	**15 J**	**14 J**	**11**	**9.4 J**
Benzo(a)anthracene	0.002	ug/L	**0.53 J**	50 U	50 U	50 U	5.0 U	5.4 U	5.0 U	5.0 U	25 U	25 U	5.0 U	50 U
Benzo(a)pyrene	0	ug/L	5.0 U	50 U	50 U	50 U	5.0 U	5.4 U	5.0 U	5.0 U	25 U	25 U	5.0 U	50 U
Benzo(b)fluoranthene	0.002	ug/L	5.0 U	50 U	50 U	50 U	5.0 U	5.4 U	5.0 U	5.0 U	25 U	25 U	5.0 U	50 U
Benzo(g,h,i)perylene	- -	ug/L	5.0 U	50 U	50 U	50 U	5.0 U	5.4 U	5.0 U	5.0 U	25 U	25 U	5.0 U	50 U
Benzo(k)fluoranthene	0.002	ug/L	5.0 U	50 U	50 U	50 U	5.0 U	5.4 U	5.0 U	5.0 U	25 U	25 U	5.0 U	50 U
Chrysene	0.002	ug/L	**0.55 J**	50 U	50 U	50 U	5.0 U	5.4 U	5.0 U	5.0 U	25 U	25 U	5.0 U	50 U
Dibenzo(a,h)anthracene	- -	ug/L	5.0 U	50 U	50 U	50 U	5.0 U	5.4 U	5.0 U	5.0 U	25 U	25 U	5.0 U	50 U
Fluoranthene	50	ug/L	**5.5**	**4.6 J**	**5.2 J**	50 U	5.0 U	5.4 U	5.0 U	5.0 U	**4.7 J**	**3.7 J**	**3.5 J**	**4.2 J**
Fluorene	50	ug/L	**48**	**74**	**66**	50 U	5.0 U	5.4 U	5.0 U	5.0 U	**61**	**58**	**44**	**43 J**
Indeno(1,2,3-cd)pyrene	0.002	ug/L	5.0 U	50 U	50 U	50 U	5.0 U	5.4 U	5.0 U	5.0 U	25 U	25 U	5.0 U	50 U
Naphthalene	10	ug/L	5.0 U	**150**	**20 J**	50 U	5.0 U	5.4 U	5.0 U	5.0 U	**260**	**180**	**150 D**	**14 J**
Phenanthrene	50	ug/L	**63**	**67**	**51 J**	50 U	5.0 U	5.4 U	5.0 U	5.0 U	**74**	**68**	**55 J**	**54**
Pyrene	50	ug/L	**5.4**	**5.4 J**	**6.0 J**	50 U	5.0 U	5.4 U	5.0 U	5.0 U	**5.5 J**	**4.5 J**	**4.0 J**	**4.0 J**
Total PAHs	- -	ug/L	**330 J**	**600 J**	**390 J**	ND	ND	ND	ND	ND	**600 J**	**530 J**	**430 J**	**264**

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Table 3
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Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-1806			MW-1807				MW-1808				MW-1809	
Date Collected:			08/26/22	08/17/23	08/21/24	12/20/18	08/25/22	08/16/23	08/21/24	12/19/18	08/24/22	08/17/23	08/21/24	12/20/18	08/25/22
Volatile Organics															
Benzene	1	ug/L	10 U	10 UJ	10 U	**14**	**11**	**13**	**5.8**	**110**	**21**	**4.5 J**	**5.4**	1.0 U	1.0 U
Ethylbenzene	5	ug/L	**21**	**19 J**	**23**	**7.0**	**2.6**	**1.6 J**	2.0 U	**170**	**24**	**5.9**	**6.9**	1.0 U	1.0 U
m,p-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	ug/L	10 U	10 UJ	10 U	**0.87 J**	**0.90 J**	2.0 U	2.0 U	**4.4 J**	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U
Xylenes (total)	5	ug/L	**26**	**17 J**	**15 J**	**5.0**	**3.9**	4.0 U	4.0 U	**170**	**13**	10 U	**5.5 J**	2.0 U	2.0 U
Total BTEX	- -	ug/L	**47**	**36 J**	**38 J**	**27 J**	**18 J**	**15 J**	**5.8**	**450 J**	**58**	**10 J**	**17.8 J**	ND	ND
Semivolatile Organics															
Acenaphthene	20	ug/L	**26 J**	**41**	25 U	**76**	**31 J**	**33**	**17**	**33**	**60**	**59**	**54**	5.0 U	5.4 U
Acenaphthylene	- -	ug/L	50 U	**4.9 J**	25 U	**4.8 J**	54 U	**3.5 J**	**1.9 J**	**5.0 J**	**7.5 J**	**7.9**	**6.0 J**	5.0 U	5.4 U
Anthracene	50	ug/L	50 U	**4.4 J**	25 U	**14 J**	54 U	**1.8 J**	**0.69 J**	**3.4 J**	**3.5 J**	**2.9 J**	**1.8 J**	5.0 U	5.4 U
Benzo(a)anthracene	0.002	ug/L	**7.5 J**	**3.4 J**	25 U	50 U	54 U	**0.47 J**	**0.36 J**	25 U	25 U	5.0 U	25 U	5.0 U	5.4 U
Benzo(a)pyrene	0	ug/L	**6.1 J**	**3.8 J**	25 U	50 U	54 U	5.0 U	5.0 U	25 U	25 U	5.0 U	25 U	5.0 U	5.4 U
Benzo(b)fluoranthene	0.002	ug/L	**4.6 J**	**2.5 J**	25 U	50 U	54 U	5.0 U	5.0 U	25 U	25 U	5.0 U	25 U	5.0 U	5.4 U
Benzo(g,h,i)perylene	- -	ug/L	50 U	25 U	25 U	50 U	54 U	5.0 U	5.0 U	25 U	25 U	5.0 U	25 U	5.0 U	5.4 U
Benzo(k)fluoranthene	0.002	ug/L	50 U	25 U	25 U	50 U	54 U	5.0 U	5.0 U	25 U	25 U	5.0 U	25 U	5.0 U	5.4 U
Chrysene	0.002	ug/L	**5.1 J**	**2.1 J**	25 U	50 U	54 U	0.35 J	**0.40 J**	25 U	25 U	5.0 U	25 U	5.0 U	5.4 U
Dibenzo(a,h)anthracene	- -	ug/L	50 U	25 U	25 U	50 U	54 U	5.0 U	5.0 U	25 U	25 U	5.0 U	25 U	5.0 U	5.4 U
Fluoranthene	50	ug/L	**15 J**	**9.4 J**	25 U	**8.4 J**	**5.9 J**	**5.0**	**3.6 J**	25 U	25 U	**1.7 J**	25 U	**0.56 J**	5.4 U
Fluorene	50	ug/L	50 U	**11 J**	25 U	**42 J**	**16 J**	**14**	**6.6**	**13 J**	**21 J**	**23**	**15 J**	5.0 U	5.4 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	50 U	25 U	25 U	50 U	54 U	5.0 U	5.0 U	25 U	25 U	5.0 U	25 U	5.0 U	5.4 U
Naphthalene	10	ug/L	50 U	**47**	25 U	50 U	54 U	**0.91 J**	5.0 U	**170**	**14 J**	**2.4 J**	25 U	5.0 U	5.4 U
Phenanthrene	50	ug/L	50 U	**8.5 J**	25 U	**40 J**	54 U	**3.6 J**	**0.51 J**	**12 J**	**28**	**27**	25 U	**1.1 J**	5.4 U
Pyrene	50	ug/L	**16 J**	**13 J**	25 U	**11 J**	**7.0 J**	**6.3**	**3.7 J**	**1.8 J**	**2.2 J**	**2.1 J**	**2.3 J**	**0.82 J**	5.4 U
Total PAHs	- -	ug/L	**80 J**	**150 J**	ND	**200 J**	**60 J**	**69 J**	**35 J**	**240 J**	**140 J**	**130 J**	**79 J**	**2.5 J**	ND

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Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-1809 (cont.)		MW-1810				PZ13						
Date Collected:			08/16/23	08/20/24	12/21/18	08/25/22	08/15/23	08/20/24	09/29/04	11/08/05	09/06/07	01/03/08	02/18/10	08/04/10	06/14/11
Volatile Organics															
Benzene	1	ug/L	1.0 U	1.0 U	**0.89 J**	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
m,p-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U	10 U
o-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Toluene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	5	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	15 U	15 U	ND	ND	ND	ND	ND
Total BTEX	- -	ug/L	ND	ND	**0.89 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organics															
Acenaphthene	20	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 U	5.0 U	**4.0 J**	10 U	10 U	10 U	NA	NA	NA
Acenaphthylene	- -	ug/L	5.0 U	5.0 U	**0.55 J**	5.2 U	5.2 U	5.0 U	10 U	10 U	NA	NA	NA	NA	NA
Anthracene	50	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 U	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Benzo(a)anthracene	0.002	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 U	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Benzo(a)pyrene	0	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 UJ	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Benzo(b)fluoranthene	0.002	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 UJ	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Benzo(g,h,i)perylene	- -	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 UJ	5.0 U	10 U	10 U	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 UJ	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Chrysene	0.002	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 UJ	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Dibenzo(a,h)anthracene	- -	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 UJ	5.0 U	10 U	10 U	NA	NA	NA	NA	NA
Fluoranthene	50	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 U	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Fluorene	50	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 U	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 UJ	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Naphthalene	10	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 U	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Phenanthrene	50	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 U	5.0 U	10 U	10 U	10 U	10 U	NA	NA	NA
Pyrene	50	ug/L	5.0 U	5.0 U	5.0 U	5.2 U	5.2 U	5.0 U	**1.0 J**	10 U	10 U	10 U	NA	NA	NA
Total PAHs	- -	ug/L	ND	ND	**0.55 J**	ND	ND	ND	**5.0 J**	ND	ND	ND	NA	NA	NA

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Dansville Former Manufactured Gas Plant Site

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	PZ13 (cont.)						PZ14					PZ17	
Date Collected:			03/20/12	11/13/12	12/20/18	08/25/22	08/16/23	08/21/24	09/29/04	11/08/05	08/25/22	08/16/23	08/22/24	09/02/05	11/10/05
Volatile Organics															
Benzene	1	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	**1.0 J**	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U
Ethylbenzene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U
m,p-Xylene	5	ug/L	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	ug/L	5.0 U	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	ug/L	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U
Xylenes (total)	5	ug/L	ND	ND	2.0 U	2.0 U	2.0 U	2.0 U	15 U	15 U	2.0 U	2.0 U	2.0 U	15 U	15 U
Total BTEX	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	**1.0 J**	ND	ND	ND	ND	ND
Semivolatile Organics															
Acenaphthene	20	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	5.0 U	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Acenaphthylene	- -	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	5.0 U	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Anthracene	50	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	5.0 U	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Benzo(a)anthracene	0.002	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	**0.56 J**	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Benzo(a)pyrene	0	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	5.0 U	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Benzo(b)fluoranthene	0.002	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	**0.51 J**	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Benzo(g,h,i)perylene	- -	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	5.0 U	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Benzo(k)fluoranthene	0.002	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	5.0 U	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Chrysene	0.002	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	**0.53 J**	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Dibenzo(a,h)anthracene	- -	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	5.0 U	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Fluoranthene	50	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	**1.2 J**	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Fluorene	50	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	5.0 U	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	5.0 U	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Naphthalene	10	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	5.0 U	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Phenanthrene	50	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	**0.76 J**	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Pyrene	50	ug/L	NA	NA	5.0 U	5.4 U	5.0 U	**0.96 J**	10 U	10 U	5.4 U	5.0 U	5.0 U	10 U	10 U
Total PAHs	- -	ug/L	NA	NA	ND	ND	ND	**4.5 J**	ND	ND	ND	ND	ND	ND	ND

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Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	PZ17 (cont.)			PZ18						PZ19				
Date Collected:			08/24/22	08/16/23	08/20/24	09/30/04	11/11/05	12/20/18	08/25/22	08/17/23	08/20/24	09/02/05	11/10/05	08/24/22	08/16/23	08/20/24
Volatile Organics																
Benzene	1	ug/L	1.0 U	1.0 U	1.0 U	**69**	**93**	**710**	**240**	1.0 U	**160**	5.0 U	5.0 U	10 U	1.0 U	1.0 U
Ethylbenzene	5	ug/L	1.0 U	1.0 U	1.0 U	**4.0 J**	**7.0**	10 U	4.0 U	1.0 U	2.0 U	5.0 U	5.0 U	10 U	1.0 U	1.0 U
m,p-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	ug/L	1.0 U	1.0 U	1.0 U	5.0 U	**1.0 J**	10 U	4.0 U	1.0 U	2.0 U	5.0 U	5.0 U	10 U	1.0 U	1.0 U
Xylenes (total)	5	ug/L	2.0 U	2.0 U	2.0 U	15 U	**6.0 J**	20 U	8.0 U	2.0 U	4.0 U	15 U	15 U	20 U	2.0 U	2.0 U
Total BTEX	- -	ug/L	ND	ND	ND	**73 J**	**110 J**	**710**	**240**	ND	**160**	ND	ND	ND	ND	ND
Semivolatile Organics																
Acenaphthene	20	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	**0.56 J**	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Acenaphthylene	- -	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Anthracene	50	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Benzo(a)anthracene	0.002	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Benzo(a)pyrene	0	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Benzo(b)fluoranthene	0.002	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	- -	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Benzo(k)fluoranthene	0.002	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Chrysene	0.002	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Dibenzo(a,h)anthracene	- -	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Fluoranthene	50	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Fluorene	50	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Naphthalene	10	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Phenanthrene	50	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Pyrene	50	ug/L	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U	5.4 U	5.0 U	5.0 U	10 U	9.0 U	5.7 U	5.0 U	5.0 U
Total PAHs	- -	ug/L	ND	ND	ND	ND	ND	ND	**0.56 J**	ND	ND	ND	ND	ND	ND	ND

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Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	PZ24												
Date Collected:			10/01/04	11/09/05	09/06/07	01/03/08	02/17/10	08/04/10	06/14/11	03/20/12	11/12/12	12/20/18	08/25/22	08/16/23	08/21/24
Volatile Organics															
Benzene	1	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**0.56 J**	**1.0 J**	5.0 U	**0.66 J**	1.0 U	**0.89 J**	**0.83 J**
Ethylbenzene	5	ug/L	5.0 U	**0.50 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m,p-Xylene	5	ug/L	NA	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	NA	NA
o-Xylene	5	ug/L	NA	NA	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	NA	NA	NA	NA
Toluene	5	ug/L	5.0 U	15 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	ug/L	15 U	**100 D**	ND	ND	ND	ND	ND	ND	ND	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	ug/L	ND	**100 J**	ND	ND	ND	ND	**0.56 J**	**1.0 J**	ND	**0.66 J**	ND	**0.89 J**	**0.83 J**
Semivolatile Organics															
Acenaphthene	20	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Acenaphthylene	- -	ug/L	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Anthracene	50	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Benzo(a)anthracene	0.002	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Benzo(a)pyrene	0	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Benzo(b)fluoranthene	0.002	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Benzo(g,h,i)perylene	- -	ug/L	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Benzo(k)fluoranthene	0.002	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Chrysene	0.002	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Dibenzo(a,h)anthracene	- -	ug/L	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Fluoranthene	50	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Fluorene	50	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Naphthalene	10	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Phenanthrene	50	ug/L	10 U	10 U	10 U	**1.6 J**	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Pyrene	50	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	5.2 U
Total PAHs	- -	ug/L	ND	ND	ND	**1.6 J**	ND	ND	NA	NA	NA	ND	ND	ND	ND

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Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	PZ25		PZ25R	PZ26		PZ29						PZ31	
Date Collected:			10/01/04	11/09/05	08/21/24	10/01/04	11/09/05	10/02/04	11/16/05	12/20/18	08/25/22	08/16/23	08/20/24	05/17/05	11/10/05
Volatile Organics															
Benzene	1	ug/L	**25**	**21**	**3.8**	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U
Ethylbenzene	5	ug/L	**180**	**210 D**	**6.7**	5.0 U	5.0 U	5.0 U	**0.50 J**	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U
m,p-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	5	ug/L	**12**	**9.0**	**2.4**	5.0 U	5.0 U	5.0 U	**3.0 J**	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U
Xylenes (total)	5	ug/L	**110**	**84**	**12**	15 U	15 U	15 U	**4.0 J**	2.0 U	2.0 U	2.0 U	2.0 U	15 U	15 U
Total BTEX	- -	ug/L	**330**	**320**	**25**	ND	ND	ND	**7.5 J**	ND	ND	ND	ND	ND	ND
Semivolatile Organics															
Acenaphthene	20	ug/L	**11**	**11**	**0.45 J**	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Acenaphthylene	- -	ug/L	**23**	**30**	**1.6 J**	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Anthracene	50	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Benzo(a)anthracene	0.002	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Benzo(a)pyrene	0	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Benzo(b)fluoranthene	0.002	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Benzo(g,h,i)perylene	- -	ug/L	**4.0 J**	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Benzo(k)fluoranthene	0.002	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Chrysene	0.002	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Dibenzo(a,h)anthracene	- -	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Fluoranthene	50	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Fluorene	50	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Naphthalene	10	ug/L	**56**	**45**	**0.99 J**	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Phenanthrene	50	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Pyrene	50	ug/L	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.4 U	5.0 U	10 U	10 U
Total PAHs	- -	ug/L	**130 J**	**140**	**3.0 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	PZ31 (cont.)										PZ32		
Date Collected:			09/05/07	01/02/08	02/18/10	08/04/10	06/14/11	03/20/12	11/13/12	08/25/22	08/16/23	08/20/24	05/18/05	11/10/05	09/05/07
Volatile Organics															
Benzene	1	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	**2.0 J**	5.0 U	**3.6 J**
m,p-Xylene	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	NA	NA	NA	10 U
o-Xylene	5	ug/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	NA	NA	NA	NA	NA	**5.1**
Toluene	5	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	5	ug/L	ND	ND	ND	ND	ND	ND	ND	2.0 U	2.0 U	2.0 U	**2.0 J**	15 U	**5.1**
Total BTEX	- -	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4.0 J**	ND	**8.7 J**
Semivolatile Organics															
Acenaphthene	20	ug/L	10 U	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	**15**	**2.0 J**	**9.9 J**
Acenaphthylene	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	9.0 U	**2.0 J**	NA
Anthracene	50	ug/L	10 UJ	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	**3.0 J**	**0.80 J**	10 UJ
Benzo(a)anthracene	0.002	ug/L	10 U	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	9.0 U	10 U	10 U
Benzo(a)pyrene	0	ug/L	10 U	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	9.0 U	10 U	10 U
Benzo(b)fluoranthene	0.002	ug/L	10 U	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	9.0 U	10 U	10 U
Benzo(g,h,i)perylene	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	9.0 U	10 U	NA
Benzo(k)fluoranthene	0.002	ug/L	10 U	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	9.0 U	10 U	10 U
Chrysene	0.002	ug/L	10 U	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	9.0 U	10 U	10 U
Dibenzo(a,h)anthracene	- -	ug/L	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	9.0 U	10 U	NA
Fluoranthene	50	ug/L	10 UJ	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	**2.0 J**	**1.0 J**	**1.6 J**
Fluorene	50	ug/L	10 UJ	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	**7.0 J**	**0.80 J**	10 UJ
Indeno(1,2,3-cd)pyrene	0.002	ug/L	10 U	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	9.0 U	10 U	10 U
Naphthalene	10	ug/L	10 U	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	9.0 U	10 U	10 U
Phenanthrene	50	ug/L	10 UJ	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	**7.0 J**	**0.60 J**	**1.7 J**
Pyrene	50	ug/L	10 U	10 U	NA	NA	NA	NA	NA	5.0 U	5.0 U	5.0 U	**3.0 J**	**2.0 J**	**2.0 J**
Total PAHs	- -	ug/L	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	**47 J**	**9.8 J**	**22 J**

See Notes on last page.

Table 3
Groundwater Analytical Data
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	PZ32 (cont.)										PZ35		
Date Collected:			01/03/08	02/17/10	08/04/10	06/14/11	03/20/12	11/13/12	12/20/18	08/24/22	08/16/23	08/20/24	05/17/05	11/11/05	08/21/24
Volatile Organics															
Benzene	1	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	**1.4 J**	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U
Ethylbenzene	5	ug/L	5.0 U	5.0 U	**1.2 J**	5.0 U	**3.0 J**	**1.1 J**	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U
m,p-Xylene	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	NA	NA	NA	NA	NA	NA	NA
o-Xylene	5	ug/L	5.0 U	5.0 U	**1.3 J**	5.0 U	**3.0 J**	5.0 U	NA	NA	NA	NA	NA	NA	NA
Toluene	5	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U
Xylenes (total)	5	ug/L	ND	ND	**1.3 J**	ND	**3.0 J**	ND	2.0 U	2.0 U	2.0 U	2.0 U	15 U	15 U	2.0 U
Total BTEX	- -	ug/L	ND	ND	**2.5 J**	ND	**7.4 J**	**1.1 J**	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organics															
Acenaphthene	20	ug/L	**2.1 J**	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Acenaphthylene	- -	ug/L	NA	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	**0.42 J**	9.0 U	10 U	5.2 U
Anthracene	50	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Benzo(a)anthracene	0.002	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Benzo(a)pyrene	0	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Benzo(b)fluoranthene	0.002	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Benzo(g,h,i)perylene	- -	ug/L	NA	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Benzo(k)fluoranthene	0.002	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Chrysene	0.002	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Dibenzo(a,h)anthracene	- -	ug/L	NA	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Fluoranthene	50	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Fluorene	50	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Indeno(1,2,3-cd)pyrene	0.002	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Naphthalene	10	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Phenanthrene	50	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Pyrene	50	ug/L	10 U	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.2 U	5.0 U	9.0 U	10 U	5.2 U
Total PAHs	- -	ug/L	**2.1 J**	NA	NA	NA	NA	NA	ND	ND	ND	**0.42 J**	ND	ND	ND

See Notes on last page.

Table 3
Groundwater Analytical Data
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	PZ36												
Date Collected:			05/18/05	11/10/05	09/05/07	01/02/08	02/17/10	08/03/10	06/14/11	03/20/12	11/13/12	12/20/18	08/24/22	08/16/23	08/20/24
Volatile Organics															
Benzene	1	ug/L	**5.0**	**32**	**36**	**13**	**9.4**	**21**	**14**	**17**	**29**	**12**	**3.8**	**4.0 J**	**8.4**
Ethylbenzene	5	ug/L	**4.0 J**	**170**	**76**	**21**	**23**	**60**	5.0 U	**67**	**70**	**4.5**	**1.3**	1.0 UJ	**9.4**
m,p-Xylene	5	ug/L	NA	NA	**25**	**8.8 J**	**3.9 J**	**11**	10 U	**12**	**10**	NA	NA	NA	NA
o-Xylene	5	ug/L	NA	NA	**68**	**33**	**25**	**34 J**	**7.4**	**46**	**57**	NA	NA	NA	NA
Toluene	5	ug/L	5.0 U	**20**	**13**	**4.3 J**	5.0 U	**5.3**	5.0 U	**6.7**	**7.8**	1.0 U	1.0 U	1.0 UJ	**0.71 J**
Xylenes (total)	5	ug/L	**16**	**150**	**93**	**42 J**	**29 J**	**45 J**	**7.4**	**58**	**67**	**2.5**	2.0 U	2.0 UJ	**1.8 J**
Total BTEX	- -	ug/L	**25 J**	**370**	**220**	**80 J**	**61 J**	**130 J**	**21**	**150**	**170**	**19**	**5.1**	**4.0 J**	**20.3 J**
Semivolatile Organics															
Acenaphthene	20	ug/L	**54**	**160 D**	**70**	**58**	**43**	**68**	NA	NA	NA	**48**	**25**	**19**	**22**
Acenaphthylene	- -	ug/L	**25**	**62**	NA	NA	NA	NA	NA	NA	NA	**13**	**9.0**	**7.6**	**5.4**
Anthracene	50	ug/L	**10**	**12**	**9.1 J**	**5.8 J**	**3.5 J**	**3.5 J**	NA	NA	NA	**1.6 J**	**0.64 J**	**0.58 J**	5.0 U
Benzo(a)anthracene	0.002	ug/L	10 U	**1.0 J**	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.2 U	5.0 U	5.0 U
Benzo(a)pyrene	0	ug/L	10 U	**0.60 J**	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.2 U	5.0 U	5.0 U
Benzo(b)fluoranthene	0.002	ug/L	10 U	**0.50 J**	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.2 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	- -	ug/L	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.0 U	5.0 U
Benzo(k)fluoranthene	0.002	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.2 U	5.0 U	5.0 U
Chrysene	0.002	ug/L	10 U	**0.60 J**	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.2 U	5.0 U	5.0 U
Dibenzo(a,h)anthracene	- -	ug/L	10 U	10 U	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.2 U	5.0 U	5.0 U
Fluoranthene	50	ug/L	**7.0 J**	**8.0 J**	**6.4 J**	**4.3 J**	**2.3 J**	**2.7 J**	NA	NA	NA	**4.1 J**	**3.3 J**	**2.8 J**	**2.2 J**
Fluorene	50	ug/L	**17**	**36**	**14 J**	**13**	**11**	**12**	NA	NA	NA	**7.0**	**2.3 J**	**2.0 J**	**1.4 J**
Indeno(1,2,3-cd)pyrene	0.002	ug/L	10 U	10 U	10 U	10 U	11 U	10 U	NA	NA	NA	5.0 U	5.2 U	5.0 U	5.0 U
Naphthalene	10	ug/L	**4.0 J**	**550 D**	**3.8 J**	**24**	**25**	**8.4 J**	NA	NA	NA	5.0 U	5.2 U	5.0 U	5.0 U
Phenanthrene	50	ug/L	**44**	**73**	**35 J**	**27**	**25**	**8.3 J**	NA	NA	NA	**18**	**1.1 J**	**1.1 J**	5.0 U
Pyrene	50	ug/L	**9.0 J**	**9.0 J**	**7.2 J**	**5.6 J**	**3.2 J**	**3.4 J**	NA	NA	NA	**5.3**	**4.1 J**	**3.6 J**	**2.9 J**
Total PAHs	- -	ug/L	**270 J**	**1300 J**	**150 J**	**140 J**	**110 J**	**110 J**	NA	NA	NA	**97 J**	**45 J**	**37 J**	**34 J**

See Notes on last page.

Table 3
Groundwater Analytical Data
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Notes:

* Indicates the analyte is a constituent of concern per the Record of Decision (Table 1) (NYSDEC 2008).

1. Sample results detected above the Method Detection Limit are presented in bold font.
2. Shading indicates that the result exceeds the NYSDEC Technical and Operational Guidance Series (1.1.1) (NYSDEC 1998).

Acronyms and Abbreviations:

- - Indicates a standard or guidance value does not exist for the respective analyte.
BTEX - benzene, toluene, ethyl benzene, and xylenes
MW - monitoring well
NA - not analyzed
ND - not detected
NYSDEC - New York State Department of Environmental Conservation
PAH - polycyclic aromatic hydrocarbon
PQL - practical quantitation limit
PZ - piezometer
ug/L - micrograms per liter

Laboratory Qualifiers:

D - Compound quantitated using a secondary dilution.
J - Indicates that the analyte was detected at a concentration less than the PQL.
U - Indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

References:

NYSDEC. 2008. Record of Decision, NYSEG Dansville MGP Site Operable Unit No. 1, Site Number 826-012. March.
NYSDEC. 1998. Division of Water Technical and Operational Guidance Series (1.1.1) – Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June.

Table 4
Mann-Kendall Trend Results
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Analyte	Mann-Kendall Trend Analysis Summary[a,b,c,d]																						
	Benzene	Ethyl-benzene	m,p-Xylene	o-Xylene	Toluene	Xylenes (total)	Total BTEX	Acenaph-thene	Acenaph-thylene	Anthra-cene	Benzo(a)anthra-cene	Benzo(a)pyrene	Benzo(b) fluoran-thene	Benzo (g,h,i) perylene	Benzo(k) fluoran-thene	Chrysene	Dibenzo (a,h)anthr-acene	Fluoran-thene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphtha-lene	Phenan-threne	Pyrene	Total PAHs
NYSDEC TOGS 1.1.1 WGV (µg/L)	1	5	5	5	5	5	NE	20	NE	50	0.002	0.002	0.002	NE	0.002	0.002	NE	50	50	0.002	10	50	50	NE
Well ID	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
MW04S	↔	↔	n/a	n/a	▼	↔	↔	↔	↔	↔	ND75	ND75	ND75	ND75	ND75	ND75	ND100	↔	↔	ND75	↔	↔	↔	↔
MW-1801	↔	↔	n/a	n/a	↔	↔	↔	↔	▼	↔	ND100	ND100	ND100	ND100	ND100	ND100	ND100	↔	▼	ND100	↔	↔	↔	↔
MW-1802	ND100	↔	n/a	n/a	↔	↔	↔	↔	↔	▼	↔	↔	↔	ND100	ND100	↔	ND100	↔	▼	ND100	↔	▼	↔	↔
MW-1803	↔	▼	n/a	n/a	↔	▼	▼	↔	↔	↔	↔	ND100	ND100	ND100	ND100	↔	ND100	↔	↔	ND100	↔	↔	↔	Ins.
MW-1804	ND100	ND100	n/a	n/a	ND100	ND100	n/a	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	n/a
MW-1805	↔	↔	n/a	n/a	↔	↔	▼	↔	▼	▼	ND100	ND100	ND100	ND100	ND100	ND100	ND100	↔	▼	ND100	▼	▼	↔	▼
MW-1806	Ins.	Ins.	n/a	n/a	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
MW-1807	↔	▼	n/a	n/a	↔	↔	▼	↔	↔	↔	↔	ND100	ND100	ND100	ND100	↔	ND100	▼	▼	ND100	↔	↔	▼	↔
MW-1808	↔	↔	n/a	n/a	↔	↔	↔	↔	↔	↔	ND100	ND100	ND100	ND100	ND100	ND100	ND100	↔	↔	ND100	▼	↔	↔	▼
MW-1809	ND100	ND100	n/a	n/a	ND100	ND100	n/a	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	↔	ND100	ND100	ND100	↔	↔	Ins.
MW-1810	↔	ND100	n/a	n/a	ND100	ND100	Ins.	ND100	↔	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	Ins.
PZ13	ND100	ND100	ND100	ND100	ND100	ND100	n/a	ND75	ND100	ND100	ND75	ND100	ND75	ND100	ND100	ND75	ND100	ND75	ND100	ND100	ND100	ND75	↔	Ins.
PZ14	ND75	ND100	n/a	n/a	ND100	ND100	Ins.	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	n/a
PZ17	ND100	ND100	n/a	n/a	ND100	ND100	n/a	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	n/a
PZ18	↔	↔	n/a	n/a	ND75	ND75	↔	ND75	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	Ins.
PZ19	ND100	ND100	n/a	n/a	ND100	ND100	n/a	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	n/a
PZ24	▲	ND75	ND100	ND100	ND100	ND75	↔	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND75	ND100	Ins.
PZ25_25R	Ins.	Ins.	n/a	n/a	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
PZ26	Ins.	Ins.	n/a	n/a	Ins.	Ins.	n/a	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	n/a
PZ29	ND100	ND75	n/a	n/a	ND75	ND75	Ins.	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	n/a
PZ31	ND100	ND100	ND100	ND100	ND100	ND100	n/a	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	ND100	n/a
PZ32	ND75	↔	ND100	↔	ND100	↔	↔	▼	↔	↔	ND100	ND100	ND100	ND100	ND100	ND100	ND100	▼	↔	ND100	ND100	▼	▼	▼
PZ35	Ins.	Ins.	n/a	n/a	Ins.	Ins.	n/a	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	n/a
PZ36	↔	↔	↔	↔	↔	▼	▼	▼	▼	▼	ND75	ND75	ND75	ND100	ND100	ND75	ND100	▼	▼	ND100	▼	▼	▼	▼

Notes:
[a] Includes data from varying time intervals between 2004 and 2024.
[b] Trend results are presented when at least four samples are available and the frequency of detection is greater than or equal to 25%.
[c] Significance of trends evaluated at 95% confidence (alpha = 0.05).
[d] Non-detects were assigned a common value less than the minimum detected value, equal to half the minimum reporting limit (RL) in the dataset (USEPA 2009). If half the minimum RL was greater than the minimum detected value, then half the minimum detect was assigned.

Acronyms and Abbreviations:
BTEX: benzene, toluene, ethylbenzene, and xylenes
NE: not established
PAH: polyaromatic hydrocarbons
WGV: water guidance value
µg/L: microgram per liter

Trend Analysis Symbols:
▲: Statistically significant, increasing trend
▼: Statistically significant, decreasing trend
↔: No significant trend
Ins.: insufficient data for analysis (less than 4 available results)
n/a: not analyzed (no available data)
ND100: All data were non-detect
ND75: Frequency of non-detected results less than 100% but greater than or equal to 75%

Table 5
Dissolved Oxygen Field Results
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Well ID	Gauging Date	Dissolved Oxygen (mg/L)
AW-01	2/24/2021	0.43
	2/25/2021	14.20
	5/18/2021	3.49
	8/11/2021	3.82
	11/23/2021	0.61
	2/22/2022	4.10
	5/27/2022	1.88
	8/22/2022	0.45
	11/17/2022	1.05
	2/15/2023	0.61
	8/14/2023	0.95
	2/20/2024	NM
	8/22/2024	NM
	2/27/2025	NM
AW-02	2/24/2021	0.43
	2/25/2021	28.20
	5/18/2021	18.15
	8/11/2021	10.27
	11/23/2021	1.74
	2/22/2022	6.38
	5/27/2022	11.31
	8/22/2022	3.05
	11/17/2022	10.22
	2/15/2023	1.05
AW-03	2/24/2021	0.31
	2/25/2021	30.27
	5/18/2021	20.08
	8/11/2021	9.90
	11/23/2021	16.34
	2/22/2022	10.10
	5/27/2022	33.52
	8/22/2022	8.98
	11/17/2022	14.52
	2/15/2023	10.46
AW-04	2/24/2021	0.28
	2/25/2021	36.85
	5/18/2021	24.89
	8/11/2021	11.57
	11/23/2021	2.53
	2/22/2022	5.08
	5/27/2022	26.55
	8/22/2022	9.62
	11/17/2022	25.67
	2/15/2023	30.14
AW-05	2/24/2021	0.54
	2/25/2021	33.77
	5/18/2021	20.66
	8/11/2021	21.78
	11/23/2021	1.64
	2/22/2022	2.97
	5/27/2022	17.97
	8/22/2022	3.83
	11/17/2022	6.00
	2/15/2023	0.93
	8/14/2023	6.45
	2/20/2024	2.66
	8/22/2024	8.82
	2/27/2025	12.98

See Notes on Page 7.

Table 5
Dissolved Oxygen Field Results
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Well ID	Gauging Date	Dissolved Oxygen (mg/L)
AW-06	2/24/2021	0.47
	2/25/2021	30.65
	5/18/2021	4.65
	8/11/2021	1.65
	11/23/2021	0.69
	2/22/2022	2.12
	5/27/2022	2.77
	8/22/2022	1.65
	11/17/2022	3.01
	2/15/2023	0.79
AW-07	2/24/2021	1.87
	2/25/2021	32.55
	5/18/2021	7.85
	8/11/2021	1.55
	11/23/2021	1.56
	2/22/2022	2.49
	5/27/2022	18.34
	8/22/2022	3.01
	11/17/2022	11.36
	2/15/2023	3.04
AW-08	2/24/2021	0.53
	2/25/2021	31.16
	5/18/2021	13.17
	8/11/2021	7.82
	11/23/2021	1.25
	2/22/2022	6.98
	5/27/2022	9.07
	8/22/2022	5.47
	11/17/2022	5.66
	2/15/2023	1.35
AW-09	2/24/2021	0.36
	2/25/2021	32.95
	5/18/2021	15.00
	8/11/2021	23.47
	11/23/2021	3.98
	2/22/2022	3.40
	5/27/2022	31.62
	8/22/2022	35.80
	11/17/2022	18.88
	2/15/2023	16.06
	8/14/2023	17.23
	2/20/2024	2.37
	8/22/2024	14.84
	2/27/2025	9.01
AW-10	2/24/2021	0.32
	2/25/2021	31.42
	5/18/2021	19.00
	8/11/2021	17.70
	11/23/2021	4.80
	2/22/2022	3.99
	5/27/2022	21.85
	8/22/2022	15.60
	11/17/2022	17.03
	2/15/2023	10.48
AW-11	2/24/2021	1.90
	2/25/2021	36.24
	5/18/2021	18.47
	8/11/2021	7.04
	11/23/2021	2.53

See Notes on Page 7.

Table 5
Dissolved Oxygen Field Results
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Well ID	Gauging Date	Dissolved Oxygen (mg/L)
AW-11 (cont.)	2/22/2022	2.77
	5/27/2022	28.84
	8/22/2022	6.29
	11/17/2022	9.80
	2/15/2023	2.02
AW-12	2/24/2021	0.33
	2/25/2021	33.45
	5/18/2021	21.50
	8/11/2021	17.59
	11/23/2021	13.00
	2/22/2022	10.88
	5/27/2022	24.02
	8/22/2022	17.40
	11/17/2022	11.95
	2/15/2023	7.99
AW-13	2/24/2021	1.17
	2/25/2021	27.78
	5/18/2021	6.45
	8/11/2021	0.56
	11/23/2021	2.06
	2/22/2022	2.72
	5/27/2022	6.47
	8/22/2022	0.98
	11/17/2022	10.95
	2/15/2023	1.07
	8/14/2023	6.22
	2/20/2024	2.09
	8/22/2024	7.64
	2/27/2025	2.02
AW-14	2/24/2021	1.55
	2/25/2021	32.65
	5/18/2021	16.92
	8/11/2021	16.35
	11/23/2021	6.41
	2/22/2022	5.11
	5/27/2022	15.47
	8/22/2022	10.95
	11/17/2022	8.40
	2/15/2023	3.38
AW-15	2/24/2021	0.79
	2/25/2021	31.48
	5/18/2021	16.15
	8/11/2021	18.57
	11/23/2021	12.70
	2/22/2022	5.19
	5/27/2022	19.60
	8/22/2022	21.32
	11/17/2022	8.04
	2/15/2023	8.19
AW-16	2/24/2021	0.29
	2/25/2021	32.21
	5/18/2021	20.04
	8/11/2021	27.69
	11/23/2021	15.31
	2/22/2022	12.67
	5/27/2022	26.06
	8/22/2022	26.03
	11/17/2022	18.62
	2/15/2023	17.81

See Notes on Page 7.

Table 5
Dissolved Oxygen Field Results
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Well ID	Gauging Date	Dissolved Oxygen (mg/L)
AW-16 (cont.)	8/14/2023	20.96
	2/20/2024	21.68
	8/22/2024	19.35
	2/27/2025	23.48
AW-17	2/24/2021	0.35
	2/25/2021	30.63
	5/18/2021	23.40
	8/11/2021	20.54
	11/23/2021	17.03
	2/22/2022	9.55
	5/27/2022	23.88
	8/22/2022	17.59
	11/17/2022	17.94
	2/15/2023	15.05
AW-18	2/24/2021	0.38
	2/25/2021	19.36
	5/18/2021	18.83
	8/11/2021	20.72
	11/23/2021	15.28
	2/22/2022	11.70
	5/27/2022	36.89
	8/22/2022	27.07
	11/17/2022	18.04
	2/15/2023	14.38
AW-19	2/24/2021	0.34
	2/25/2021	24.35
	5/18/2021	31.22
	8/11/2021	27.31
	11/23/2021	6.20
	2/22/2022	12.09
	5/27/2022	40.40
	8/22/2022	37.91
	11/17/2022	22.55
	2/15/2023	32.05
AW-20	2/24/2021	0.34
	2/25/2021	32.25
	5/18/2021	19.52
	8/11/2021	11.20
	11/23/2021	8.87
	2/22/2022	11.68
	5/27/2022	37.54
	8/22/2022	34.75
	11/17/2022	21.84
	2/15/2023	31.87
	8/14/2023	18.15
	2/20/2024	18.88
	8/22/2024	16.20
	2/27/2025	18.46
AW-21	2/24/2021	0.31
	2/25/2021	32.29
	5/18/2021	16.17
	8/11/2021	13.17
	11/23/2021	14.43
	2/22/2022	5.14
	5/27/2022	18.56
	8/22/2022	10.54
	11/17/2022	14.19
	2/15/2023	10.38

See Notes on Page 7.

Table 5
Dissolved Oxygen Field Results
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Well ID	Gauging Date	Dissolved Oxygen (mg/L)
AW-22	2/24/2021	0.49
	2/25/2021	32.12
	5/18/2021	12.96
	8/11/2021	16.98
	11/23/2021	3.82
	2/22/2022	3.67
	5/27/2022	22.59
	8/22/2022	12.10
	11/17/2022	13.74
	2/15/2023	10.97
AW-23	2/24/2021	0.26
	2/25/2021	20.31
	5/18/2021	5.24
	8/11/2021	2.95
	11/23/2021	1.23
	2/22/2022	5.17
	5/27/2022	31.32
	8/22/2022	11.93
	11/17/2022	11.67
	2/15/2023	5.45
AW-24	2/24/2021	0.60
	2/25/2021	37.05
	5/18/2021	15.78
	8/11/2021	16.53
	11/23/2021	3.90
	2/22/2022	7.93
	5/27/2022	34.62
	8/22/2022	39.12
	11/17/2022	19.05
	2/15/2023	14.52
AW-25	2/24/2021	0.38
	2/25/2021	40.48
	5/18/2021	34.52
	8/11/2021	46.23
	11/23/2021	9.78
	2/22/2022	14.74
	5/27/2022	41.65
	8/22/2022	41.51
	11/17/2022	26.93
	2/15/2023	34.73
	8/14/2023	30.13
	2/20/2024	29.43
	8/22/2024	31.30
	2/27/2025	30.52
AW-26	2/24/2021	0.27
	2/25/2021	37.55
	5/18/2021	20.46
	8/11/2021	11.30
	11/23/2021	3.22
	2/22/2022	3.01
	5/27/2022	22.41
	8/22/2022	16.76
	11/17/2022	9.70
	2/15/2023	1.31
PMW-01	2/24/2021	0.61
	2/25/2021	1.48
	5/18/2021	1.22
	8/11/2021	0.90
	11/23/2021	0.21

See Notes on Page 7.

Table 5
Dissolved Oxygen Field Results
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Well ID	Gauging Date	Dissolved Oxygen (mg/L)
PMW-01 (cont.)	2/22/2022	1.62
	5/27/2022	0.89
	8/22/2022	0.40
	11/17/2022	0.57
	2/15/2023	0.72
	8/14/2023	0.58
	2/20/2024	1.59
	8/22/2024	0.28
	2/27/2025	0.00
PMW-02	2/24/2021	0.32
	2/25/2021	0.30
	5/18/2021	1.31
	8/11/2021	0.31
	11/23/2021	0.23
	2/22/2022	1.75
	5/27/2022	1.21
	8/22/2022	0.37
	11/17/2022	0.83
	2/15/2023	0.65
	8/14/2023	0.41
	2/20/2024	0.98
	8/22/2024	0.40
	2/27/2025	0.00
PMW-03	2/24/2021	2.45
	2/25/2021	2.94
	5/18/2021	1.18
	8/11/2021	0.16
	11/23/2021	0.27
	2/22/2022	7.17
	5/27/2022	1.53
	8/22/2022	1.16
	11/17/2022	0.25
	2/15/2023	0.58
	8/14/2023	--
	2/20/2024	NM
	8/22/2024	NM
	2/27/2025	NM
PMW-04	2/24/2021	0.87
	2/25/2021	0.22
	5/18/2021	0.76
	8/11/2021	0.19
	11/23/2021	0.26
	2/22/2022	2.15
	5/27/2022	1.54
	8/22/2022	0.45
	11/17/2022	0.32
	2/15/2023	0.87
	8/14/2023	0.62
	2/20/2024	1.57
	8/22/2024	0.34
	2/27/2025	0.26
PMW-05	2/24/2021	0.19
	2/25/2021	1.31
	5/18/2021	1.11
	8/11/2021	0.17
	11/23/2021	0.77
	2/22/2022	2.69
	5/27/2022	3.52
	8/22/2022	2.35

See Notes on Page 7.

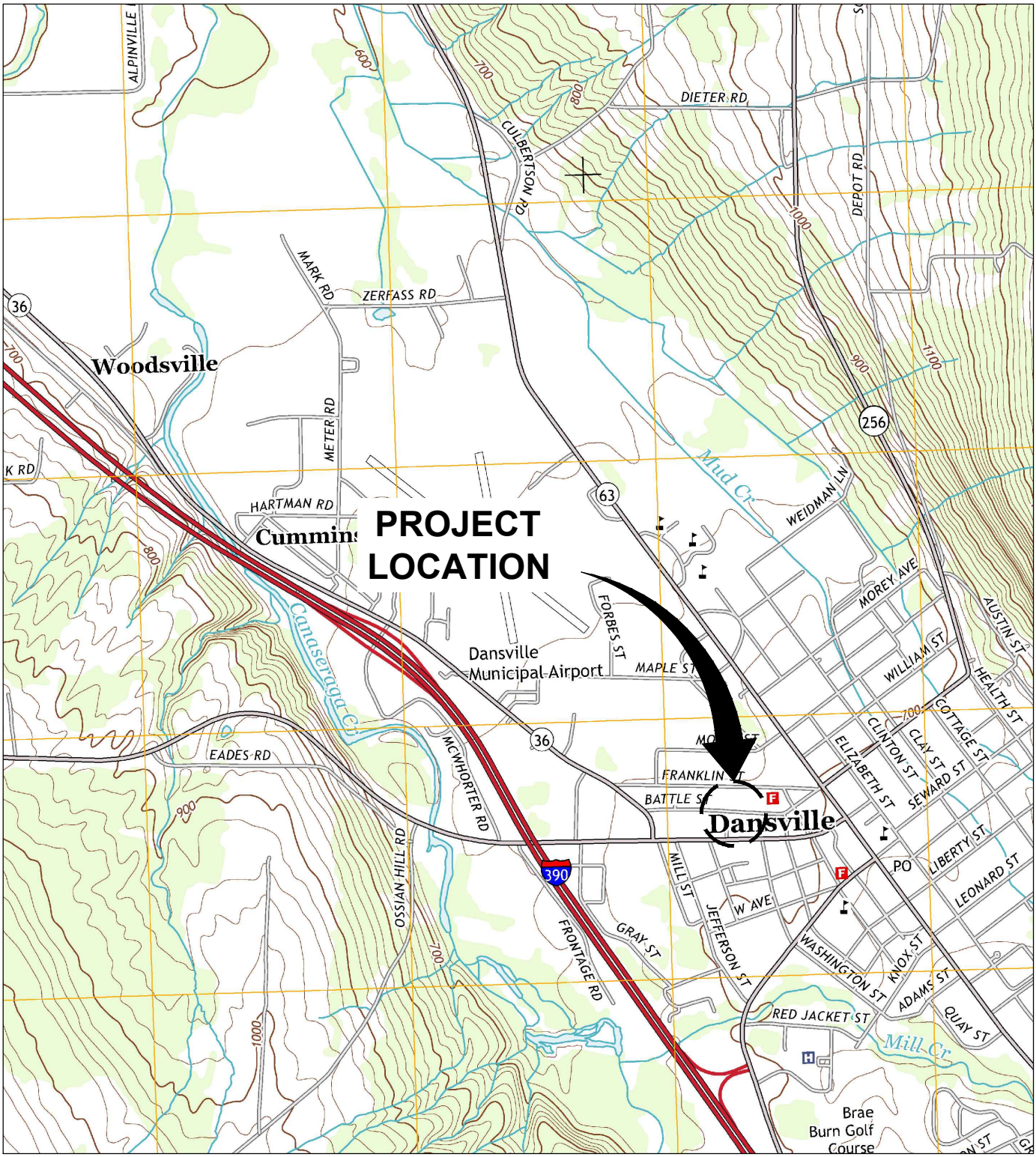
Table 5
Dissolved Oxygen Field Results
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Well ID	Gauging Date	Dissolved Oxygen (mg/L)
PMW-05 (cont.)	11/17/2022	0.58
	2/15/2023	1.92
	8/14/2023	--
	2/20/2024	--
	8/22/2024	--
	2/27/2025	--
PMW-06	2/24/2021	0.19
	2/25/2021	0.29
	5/18/2021	4.67
	8/11/2021	0.12
	11/23/2021	0.87
	2/22/2022	2.63
	5/27/2022	2.13
	8/22/2022	0.71
	11/17/2022	0.78
	2/15/2023	3.15
	8/14/2023	--
	2/20/2024	--
	8/22/2024	--
	2/27/2025	--

Notes:
Dissolved oxygen measurements recorded in the field using a digital water quality meter.

Acronyms and Abbreviations:
-- Indicates measurement mistakenly not collected in the field.
mg/L - micrograms per liter
NM - Indicates measurement was not recorded due to the presence of non-aqueous phase liquid in the well.

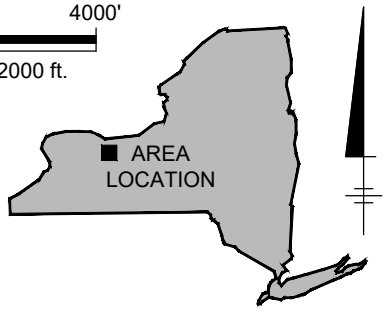
Figures



REFERENCE: BASE MAP USGS 7.5 MINUTE QUADRANGLE., DANSVILLE, N.Y. 2013.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



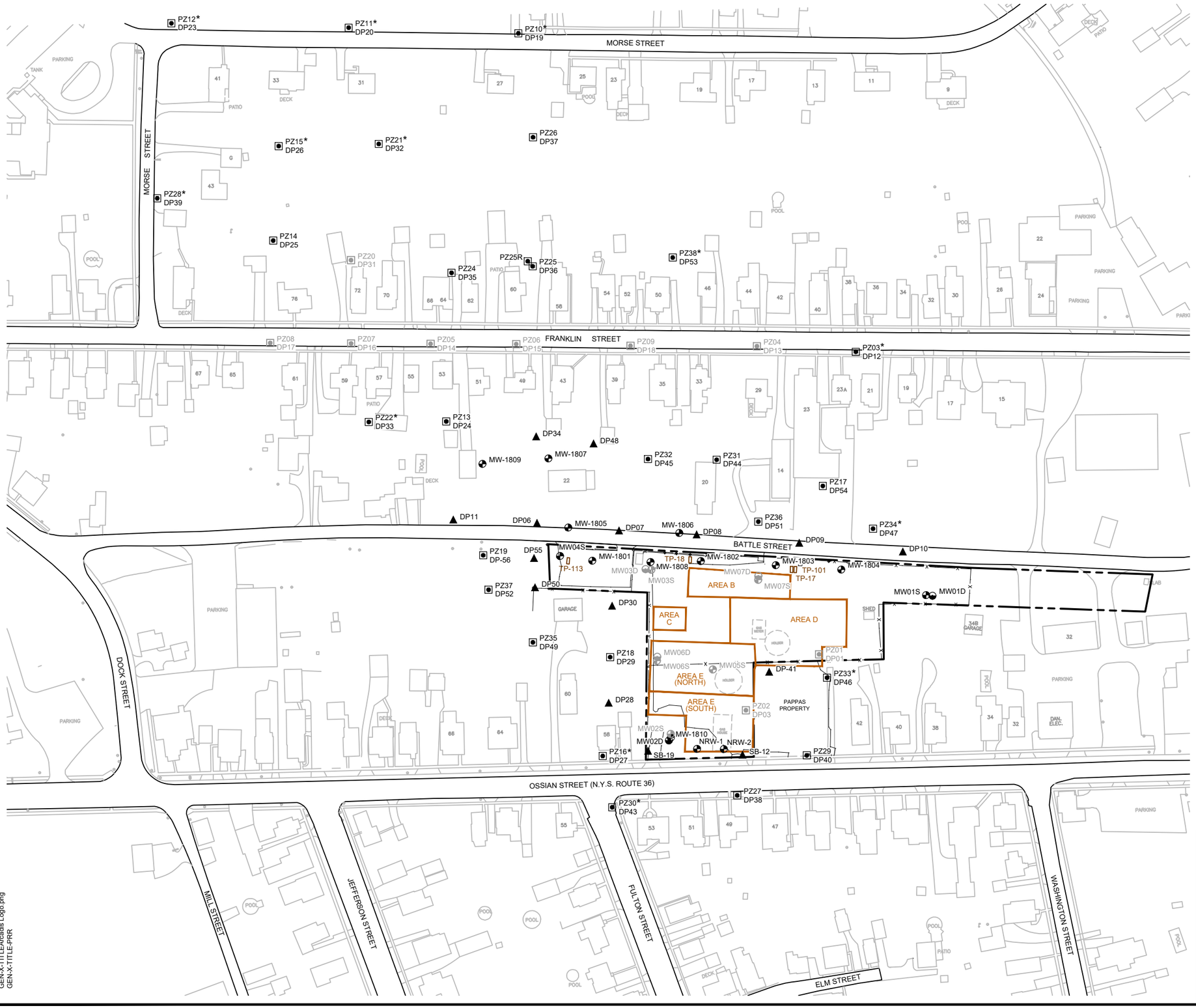
NYSEG
DANSVILLE FORMER MGP SITE (OU-1 and OU-2)
DANSVILLE, NEW YORK
PERIODIC REVIEW REPORT

SITE LOCATION MAP

ARCADIS

FIGURE 1

C:\Users\ekrahmer\DC\ACCDocs\Arcadis ACC USA\US-99999999-NYSEG_DANSVILLE_NY\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GEN-F01-SITE LOCATION.dwg LAYOUT: 1 (2) SAVED: 4/29/2025 10:18 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---
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XREFS: IMAGES: PROJECTNAME: ---
Arcadis Logo.png
NY_Dansville_20130308_TM_geo.jpg



LEGEND:

- HISTORICAL SOIL BORING LOCATION
- HISTORICAL TEST PIT LOCATION
- DEEP MONITORING WELL LOCATION (GRAY = ABANDONED)
- SHALLOW MONITORING WELL LOCATION (GRAY = ABANDONED)
- PIEZOMETER LOCATION (GRAY = ABANDONED)
- NYSEG PROPERTY BOUNDARY
- FENCE LINE
- FORMER MGP STRUCTURE
- LIMITS OF OU-1 EXCAVATION

N

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. ONLY SELECT MONITORING WELL, SOIL BORING, PIEZOMETER, AND TEST PIT LOCATIONS ARE SHOWN ON THE NYSEG PROPERTY AS A MAJORITY OF THE LOCATIONS WERE REMEDIATED IN 2014. SEE PREVIOUS SITE REPORTS FOR ADDITIONAL INVESTIGATION LOCATIONS.
3. AN ASTERISK (*) INDICATES THAT THE CONDITION AND USABILITY OF THE WELL OR PIEZOMETER IS UNKNOWN. THE LOCATION MAY BE ABANDONED OR DESTROYED.
4. BASE MAP PREPARED FROM DWG FILE PROVIDED BY NYSEG, DATED 10/2/2006, TITLED EXPANDED DANSVILLE MGP SITE, AT A SCALE OF 1"=100'.

0 150' 300'

GRAPHIC SCALE

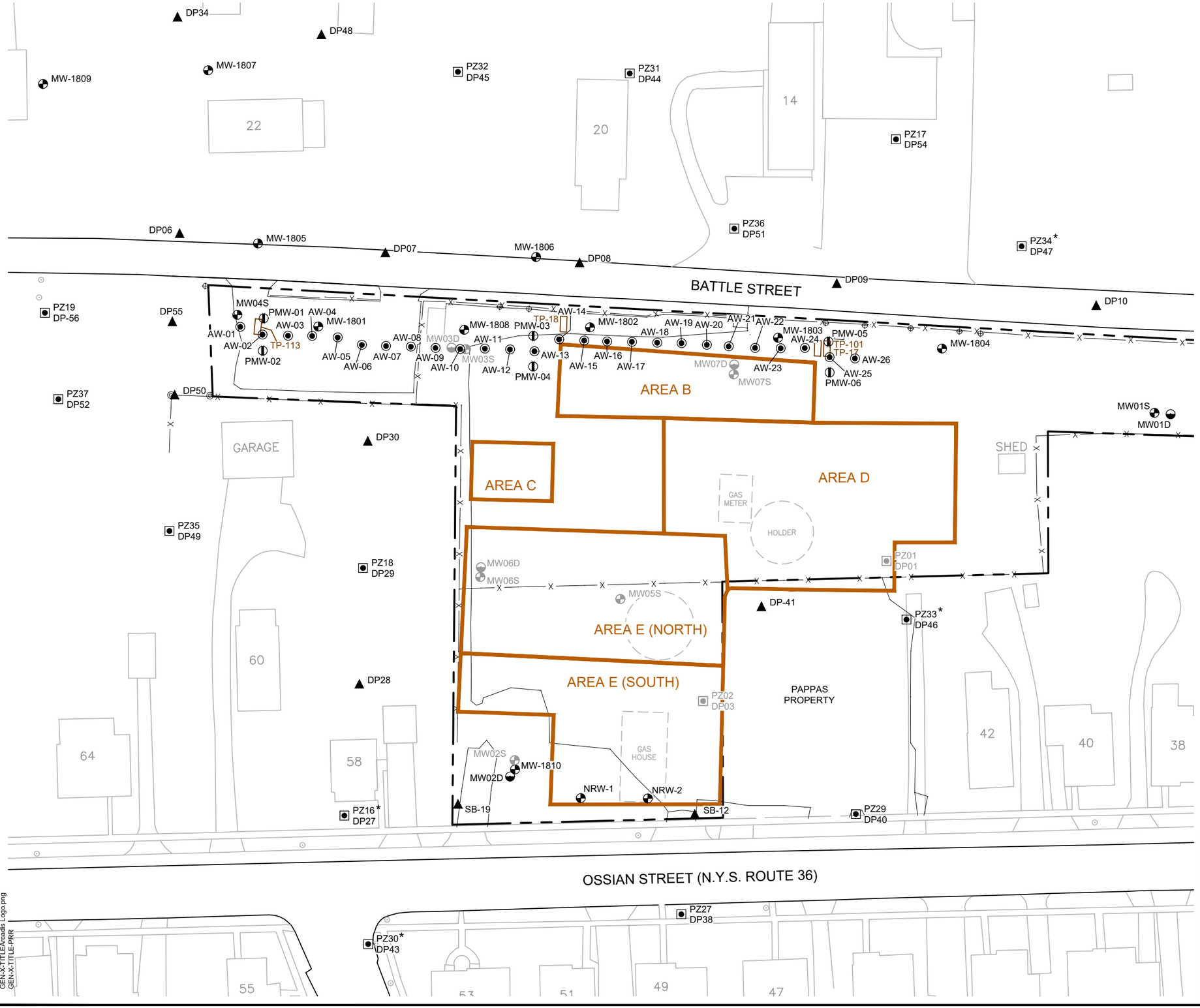
NYSEG
DANSVILLE FORMER MGP SITE (OU-1 and OU-2)
DANSVILLE, NEW YORK
PERIODIC REVIEW REPORT

SITE LAYOUT

ARCADIS

FIGURE
2

C:\Users\ekrahmer\DOCACDocs\Arcadis ACC.USAUS-99999999-NYSEG_DANSVILLE FMR MGP_DANSVILLE_NY\Project Files\10_WIP\10T_ARC_ENV2024101-DWG\GEN-F02-SITE LAYOUT.dwg LAYOUT: 2 (2) SAVED: 5/30/2024 10:52 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---
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XREFS: IMAGES: PROJECTNAME: ---
GEN-X-BASEMAP Arcadis Logo.png
GEN-X-TITLE Arcadis Logo.png
GEN-X-TITLE-PRR



LEGEND:

- HISTORICAL SOIL BORING LOCATION
- HISTORICAL TEST PIT LOCATION
- DEEP MONITORING WELL LOCATION (GRAY = ABANDONED)
- SHALLOW MONITORING WELL LOCATION (GRAY = ABANDONED)
- PIEZOMETER LOCATION (GRAY = ABANDONED)
- APPLICATION WELL
- PERFORMANCE WELL
- NYSEG PROPERTY BOUNDARY
- FENCE LINE
- FORMER MGP STRUCTURE
- LIMITS OF OU-1 EXCAVATION

N

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. ONLY SELECT MONITORING WELL, SOIL BORING, PIEZOMETER, AND TEST PIT LOCATIONS ARE SHOWN ON THE NYSEG PROPERTY AS A MAJORITY OF THE LOCATIONS WERE REMEDIATED IN 2014. SEE PREVIOUS SITE REPORTS FOR ADDITIONAL INVESTIGATION LOCATIONS.
3. AN ASTERISK (*) INDICATES THAT THE CONDITION AND USABILITY OF THE WELL OR PIEZOMETER IS UNKNOWN. THE LOCATION MAY BE ABANDONED OR DESTROYED.
4. BASE MAP PREPARED FROM DWG FILE PROVIDED BY NYSEG, DATED 10/2/2006, TITLED EXPANDED DANSVILLE MGP SITE, AT A SCALE OF 1"=100'.

0 60' 120'

GRAPHIC SCALE

NYSEG
DANSVILLE FORMER MGP SITE (OU-1 and OU-2)
DANSVILLE, NEW YORK
PERIODIC REVIEW REPORT

SITE LAYOUT DETAIL

ARCADIS

FIGURE
3

C:\Users\ekrahmer\DOCACCDocs\Arcadis ACC.USAUS-99999999-NYSEG_DANSVILLE FMR MGP_DANSVILLE_NY\Project Files\10_WIP\10T_ARC_ENV\2024101-DWG\GEN-F03-SITE LAYOUT DETAIL.dwg LAYOUT: 3 (2) SAVED: 5/30/2024 10:54 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
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XREFS: IMAGES: GEN-X-BASEMAP Arcadis Logo.png GEN-X-TITLEArcadis Logo.png GEN-X-TITLE-PRR



LEGEND:

- HISTORICAL SOIL BORING LOCATION
- HISTORICAL TEST PIT LOCATION
- DEEP MONITORING WELL LOCATION (GRAY = ABANDONED)
- SHALLOW MONITORING WELL LOCATION (GRAY = ABANDONED)
- PIEZOMETER LOCATION (GRAY = ABANDONED)
- NYSEG PROPERTY BOUNDARY
- FENCE LINE
- FORMER MGP STRUCTURE
- LIMITS OF OU-1 EXCAVATION
- 679 — POTENTIOMETRIC CONTOUR ELEVATION
- (674.73) — GROUNDWATER ELEVATION
- (NG) — NOT GAUGED

N

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. ONLY SELECT MONITORING WELL, SOIL BORING, PIEZOMETER, AND TEST PIT LOCATIONS ARE SHOWN ON THE NYSEG PROPERTY AS A MAJORITY OF THE LOCATIONS WERE REMEDIATED IN 2014. SEE PREVIOUS SITE REPORTS FOR ADDITIONAL INVESTIGATION LOCATIONS.
3. ONE ASTERISK (*) INDICATES THAT THE CONDITION AND USABILITY OF THE WELL OR PIEZOMETER IS UNKNOWN. THE LOCATION MAY BE ABANDONED OR DESTROYED.
4. BASE MAP PREPARED FROM DWG FILE PROVIDED BY NYSEG, DATED 10/2/2006, TITLED EXPANDED DANSVILLE MGP SITE, AT A SCALE OF 1"=100'.
5. ALL ELEVATIONS ARE REFERENCED TO NAVD88.

0 150' 300'

GRAPHIC SCALE

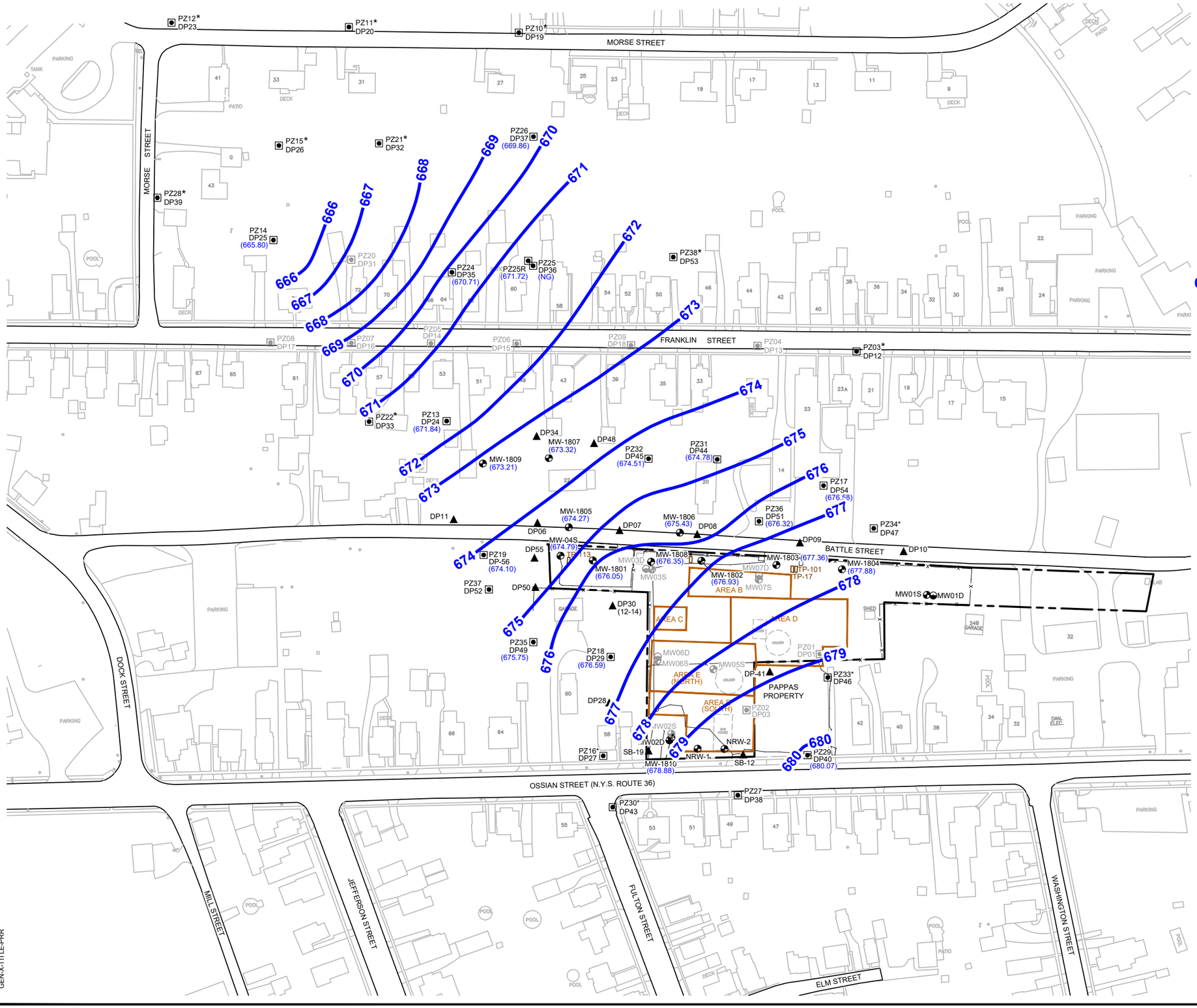
NYSEG
DANSVILLE FORMER MGP SITE (OU-1 and OU-2)
DANSVILLE, NEW YORK
PERIODIC REVIEW REPORT

GROUNDWATER ELEVATION CONTOURS - FEBRUARY 19, 2024

ARCADIS

FIGURE 4

C:\Users\ekrahmer\DOCACCDocs\Arcadis ACC US\AUS-99999999-NYSEG_DANSVILLE FMR MGP_DANSVILLE_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\PRR-2024\AR-F04-CONTOURS.dwg LAYOUT: 4 SAVED: 5/5/2025 8:39 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
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XREFS: IMAGES: PROJECTNAME: ----
GEN-X-BASEMAP.dwg
GEN-X-TITLE-PRR
Arcadis Logo.png



LEGEND:

- HISTORICAL SOIL BORING LOCATION
- HISTORICAL TEST PIT LOCATION
- DEEP MONITORING WELL LOCATION (GRAY = ABANDONED)
- SHALLOW MONITORING WELL LOCATION (GRAY = ABANDONED)
- PIEZOMETER LOCATION (GRAY = ABANDONED)
- NYSEG PROPERTY BOUNDARY
- FENCE LINE
- FORMER MGP STRUCTURE
- LIMITS OF OU-1 EXCAVATION
- 680 POTENTIOMETRIC CONTOUR ELEVATION
- (675.32) GROUNDWATER ELEVATION
- (NG) NOT GAUGED

N

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. ONLY SELECT MONITORING WELL, SOIL BORING, PIEZOMETER, AND TEST PIT LOCATIONS ARE SHOWN ON THE NYSEG PROPERTY AS A MAJORITY OF THE LOCATIONS WERE REMEDIATED IN 2014. SEE PREVIOUS SITE REPORTS FOR ADDITIONAL INVESTIGATION LOCATIONS.
3. AN ASTERISK (*) INDICATES THAT THE CONDITION AND USABILITY OF THE WELL OR PIEZOMETER IS UNKNOWN. THE LOCATION MAY BE ABANDONED OR DESTROYED.
4. BASE MAP PREPARED FROM DWG FILE PROVIDED BY NYSEG, DATED 10/2/2006, TITLED EXPANDED DANSVILLE MGP SITE, AT A SCALE OF 1"=100'.
5. ALL ELEVATIONS ARE REFERENCED TO NAVD88.

0 150' 300'

GRAPHIC SCALE

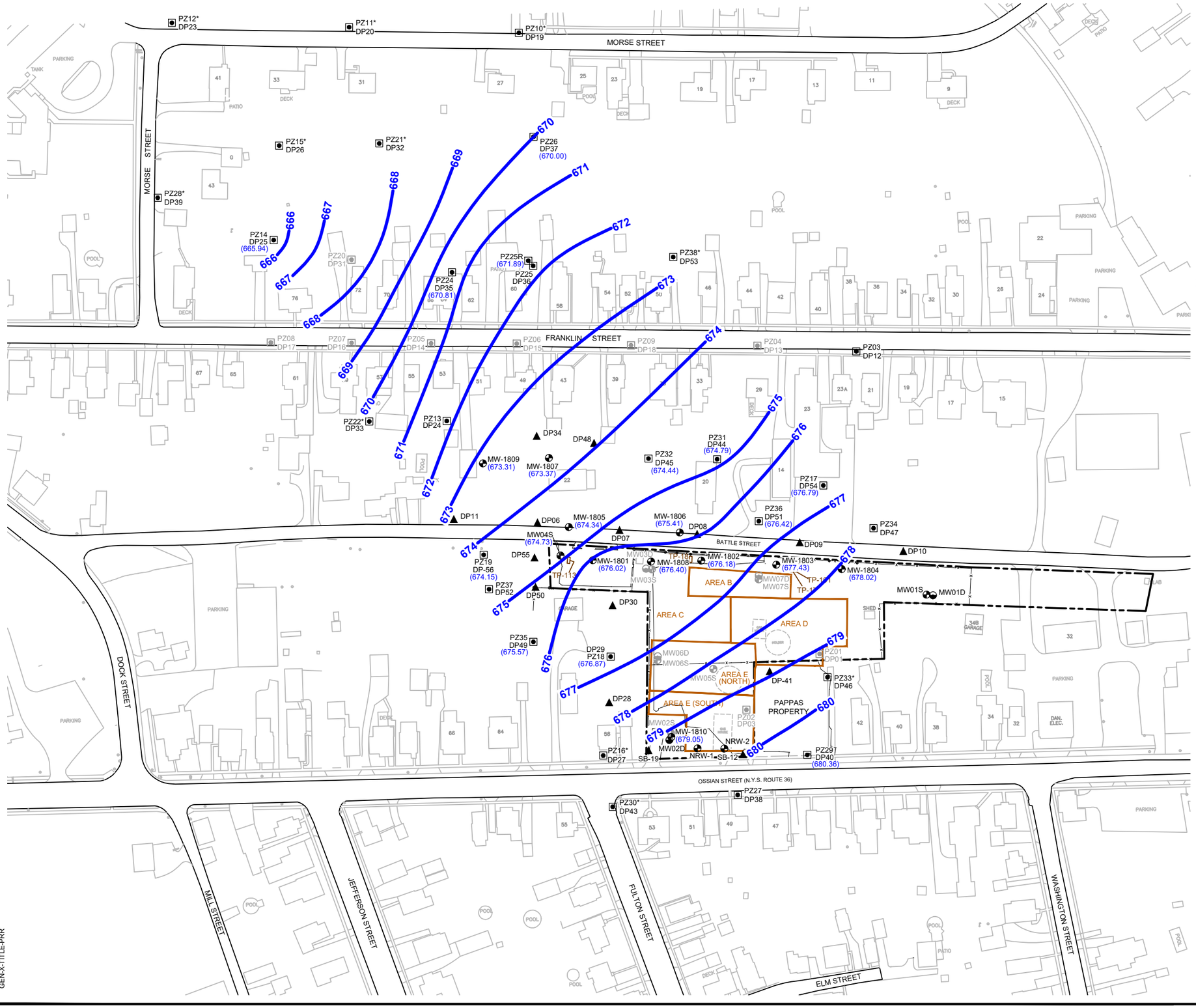
NYSEG
DANSVILLE FORMER MGP SITE (OU-1 and OU-2)
DANSVILLE, NEW YORK
PERIODIC REVIEW REPORT

GROUNDWATER ELEVATION CONTOURS - AUGUST 19, 2024

ARCADIS

FIGURE 5

C:\Users\ekrahmer\DCACCDocs\Arcadis ACC US\AUS-99999999-NYSEG_DANSVILLE FMR MGP_DANSVILLE_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-ENV\2025\01-DWG\PRR-2024\AR-F05-CONTOURS.dwg LAYOUT: 5 SAVED: 5/29/2025 8:37 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 5/29/2025 8:38 AM BY: KRAHMER, ERIC
XREFS: IMAGES: PROJECTNAME: ----
GEN-X-BASEMAP.dwg
GEN-X-TITLE-PRR
Arcadis Logo.png



LEGEND:

- HISTORICAL SOIL BORING LOCATION
- HISTORICAL TEST PIT LOCATION
- DEEP MONITORING WELL LOCATION (GRAY = ABANDONED)
- SHALLOW MONITORING WELL LOCATION (GRAY = ABANDONED)
- PIEZOMETER LOCATION (GRAY = ABANDONED)
- NYSEG PROPERTY BOUNDARY
- FENCE LINE
- FORMER MGP STRUCTURE
- LIMITS OF OU-1 EXCAVATION
- 679 — POTENTIOMETRIC CONTOUR ELEVATION
- (676.79) — GROUNDWATER ELEVATION
- (NG) — NOT GAUGED

N

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. ONLY SELECT MONITORING WELL, SOIL BORING, PIEZOMETER, AND TEST PIT LOCATIONS ARE SHOWN ON THE NYSEG PROPERTY AS A MAJORITY OF THE LOCATIONS WERE REMEDIATED IN 2014. SEE PREVIOUS SITE REPORTS FOR ADDITIONAL INVESTIGATION LOCATIONS.
3. ONE ASTERISK (*) INDICATES THAT THE CONDITION AND USABILITY OF THE WELL OR PIEZOMETER IS UNKNOWN. THE LOCATION MAY BE ABANDONED OR DESTROYED.
4. BASE MAP PREPARED FROM DWG FILE PROVIDED BY NYSEG, DATED 10/2/2006, TITLED EXPANDED DANSVILLE MGP SITE, AT A SCALE OF 1"=100'.
5. ALL ELEVATIONS ARE REFERENCED TO NAVD88.

0 150' 300'

GRAPHIC SCALE

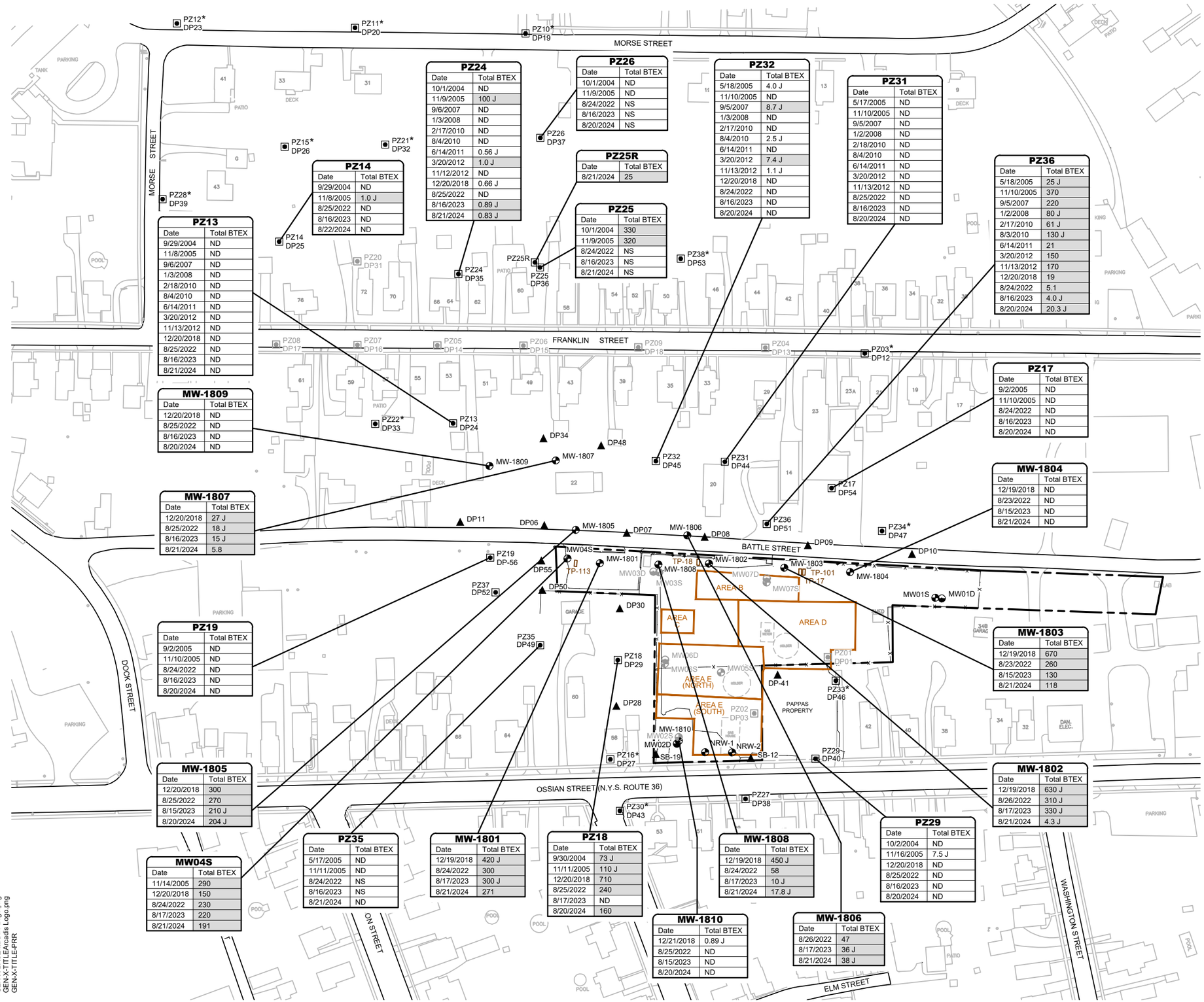
NYSEG
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DANSVILLE, NEW YORK
PERIODIC REVIEW REPORT

GROUNDWATER ELEVATION CONTOURS - FEBRUARY 27, 2025

ARCADIS

FIGURE 6

C:\Users\ekrahmer\DCACCDocs\Arcadis ACC US\AUS-99999999-NYSEG_DANSVILLE FMR MGP_DANSVILLE_NYProject Files\10_WIP\10T_ARC_ENV\2025\01-DWG\PRR-2024AR-F06-CONTOURS.dwg LAYOUT: 6 SAVED: 5/5/2025 1:15 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
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XREFS: IMAGES: PROJECTNAME: ----
GEN-X-BASEMAP.dwg
GEN-X-TITLE-PRR
Arcadis Logo.png



PZ24

Date	Total BTEX
10/1/2004	ND
11/9/2005	100 J
9/6/2007	ND
1/3/2008	ND
2/17/2010	ND
8/4/2010	ND
6/14/2011	0.56 J
3/20/2012	1.0 J
11/12/2012	ND
12/20/2018	0.66 J
8/25/2022	ND
8/16/2023	0.89 J
8/21/2024	0.83 J

PZ26

Date	Total BTEX
10/1/2004	ND
11/9/2005	ND
8/24/2022	NS
8/16/2023	NS
8/20/2024	NS

PZ32

Date	Total BTEX
5/18/2005	4.0 J
11/10/2005	ND
9/5/2007	8.7 J
1/3/2008	ND
2/17/2010	ND
8/4/2010	2.5 J
6/14/2011	ND
3/20/2012	7.4 J
11/13/2012	1.1 J
12/20/2018	ND
8/24/2022	ND
8/16/2023	ND
8/20/2024	ND

PZ31

Date	Total BTEX
5/17/2005	ND
11/10/2005	ND
9/5/2007	ND
1/2/2008	ND
2/18/2010	ND
8/4/2010	ND
6/14/2011	ND
3/20/2012	ND
11/13/2012	ND
8/25/2022	ND
8/16/2023	ND
8/20/2024	ND

PZ14

Date	Total BTEX
9/29/2004	ND
11/8/2005	1.0 J
8/25/2022	ND
8/16/2023	ND
8/22/2024	ND

PZ25R

Date	Total BTEX
8/21/2024	25

PZ25

Date	Total BTEX
10/1/2004	330
11/9/2005	320
8/24/2022	NS
8/16/2023	NS
8/21/2024	NS

PZ36

Date	Total BTEX
5/18/2005	25 J
11/10/2005	370
9/5/2007	220
1/2/2008	80 J
2/17/2010	61 J
8/3/2010	130 J
6/14/2011	21
3/20/2012	150
11/13/2012	170
12/20/2018	19
8/24/2022	5.1
8/16/2023	4.0 J
8/20/2024	20.3 J

PZ13

Date	Total BTEX
9/29/2004	ND
11/8/2005	ND
9/6/2007	ND
1/3/2008	ND
2/18/2010	ND
8/4/2010	ND
6/14/2011	ND
3/20/2012	ND
11/13/2012	ND
12/20/2018	ND
8/25/2022	ND
8/16/2023	ND
8/21/2024	ND

MW-1809

Date	Total BTEX
12/20/2018	ND
8/25/2022	ND
8/16/2023	ND
8/20/2024	ND

PZ17

Date	Total BTEX
9/2/2005	ND
11/10/2005	ND
8/24/2022	ND
8/16/2023	ND
8/20/2024	ND

MW-1804

Date	Total BTEX
12/19/2018	ND
8/23/2022	ND
8/15/2023	ND
8/21/2024	ND

MW-1807

Date	Total BTEX
12/20/2018	27 J
8/25/2022	18 J
8/16/2023	15 J
8/21/2024	5.8

PZ19

Date	Total BTEX
9/2/2005	ND
11/10/2005	ND
8/24/2022	ND
8/16/2023	ND
8/20/2024	ND

MW-1803

Date	Total BTEX
12/19/2018	670
8/23/2022	260
8/15/2023	130
8/21/2024	118

MW-1805

Date	Total BTEX
12/20/2018	300
8/25/2022	270
8/15/2023	210 J
8/20/2024	204 J

MW-1802

Date	Total BTEX
12/19/2018	630 J
8/26/2022	310 J
8/17/2023	330 J
8/21/2024	4.3 J

MW04S

Date	Total BTEX
11/14/2005	290
12/20/2018	150
8/24/2022	230
8/17/2023	220
8/21/2024	191

PZ35

Date	Total BTEX
5/17/2005	ND
11/11/2005	ND
8/24/2022	NS
8/16/2023	NS
8/21/2024	ND

MW-1801

Date	Total BTEX
12/19/2018	420 J
8/24/2022	300
8/17/2023	300 J
8/21/2024	271

PZ18

Date	Total BTEX
9/30/2004	73 J
11/11/2005	110 J
12/20/2018	710
8/25/2022	240
8/17/2023	ND
8/20/2024	160

MW-1808

Date	Total BTEX
12/19/2018	450 J
8/24/2022	58
8/17/2023	10 J
8/21/2024	17.8 J

PZ29

Date	Total BTEX
10/2/2004	ND
11/16/2005	7.5 J
12/20/2018	ND
8/25/2022	ND
8/16/2023	ND
8/20/2024	ND

MW-1810

Date	Total BTEX
12/21/2018	0.89 J
8/25/2022	ND
8/15/2023	ND
8/20/2024	ND

MW-1806

Date	Total BTEX
8/26/2022	47
8/17/2023	36 J
8/21/2024	38 J

LEGEND:

- HISTORICAL SOIL BORING LOCATION
- HISTORICAL TEST PIT LOCATION
- DEEP MONITORING WELL LOCATION (GRAY = ABANDONED)
- SHALLOW MONITORING WELL LOCATION (GRAY = ABANDONED)
- PIEZOMETER LOCATION (GRAY = ABANDONED)
- NYSEG PROPERTY BOUNDARY
- FENCE LINE
- FORMER MGP STRUCTURE
- LIMITS OF OU-1 EXCAVATION

N

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. ONLY SELECT MONITORING WELL, SOIL BORING, PIEZOMETER, AND TEST PIT LOCATIONS ARE SHOWN ON THE NYSEG PROPERTY AS A MAJORITY OF THE LOCATIONS WERE REMEDIATED IN 2014. SEE PREVIOUS SITE REPORTS FOR ADDITIONAL INVESTIGATION LOCATIONS.
3. AN ASTERISK (*) INDICATES THAT THE CONDITION AND USABILITY OF THE WELL OR PIEZOMETER IS UNKNOWN. THE LOCATION MAY BE ABANDONED OR DESTROYED.
4. BASE MAP PREPARED FROM .DWG FILE PROVIDED BY NYSEG, DATED 10-2-2006, TITLED EXPANDED DANSVILLE MGP SITE, AT A SCALE OF 1"=100'.
5. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (µg/L).
6. BTEX - BENZENE, TOLUENE, ETHYLBENZENE, XYLENES.
7. J - QUALIFIER INDICATES AN ESTIMATED VALUE.
8. ND - NOT DETECTED.
9. NS - NO SAMPLE COLLECTED.
10. SHADING INDICATES THAT ONE OR MORE BTEX CONSTITUENTS EXCEEDED THE NYSDEC TOGS 1.1.1 WATER QUALITY STANDARD OR GUIDANCE VALUE.

0 150' 300'

GRAPHIC SCALE

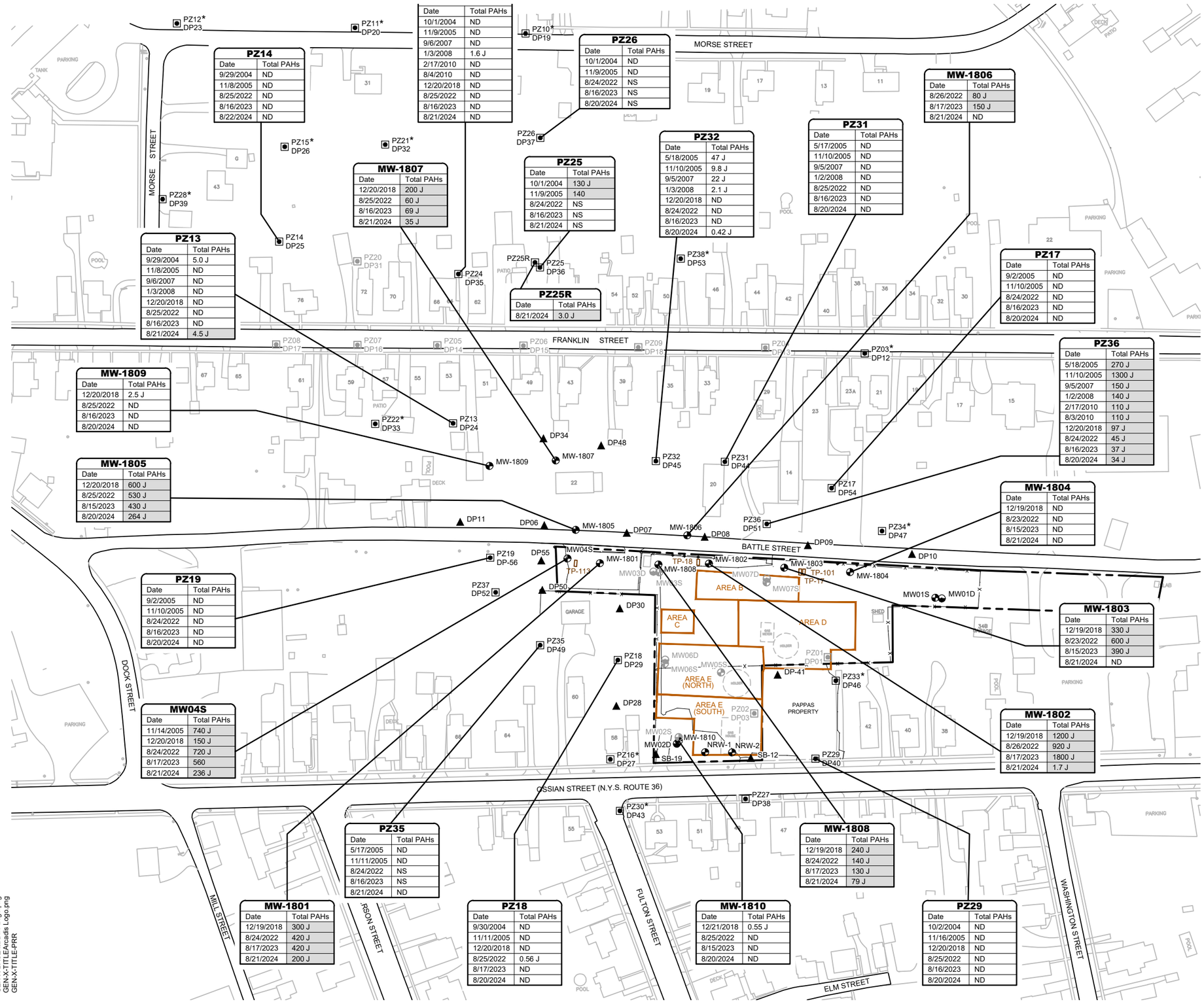
NYSEG
DANSVILLE FORMER MGP SITE (OU-1 and OU-2)
DANSVILLE, NEW YORK
PERIODIC REVIEW REPORT

TOTAL BTEX CONCENTRATIONS IN GROUNDWATER

ARCADIS

FIGURE 7

C:\Users\ekrahmer\DC\ACCDocs\Arcadis ACC US\AUS-99999999-NYSEG_DANSVILLE FMR MGP_DANSVILLE_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\PRR-2024\AR-F07-BTEX CONC in GW.dwg LAYOUT: 7 SAVED: 5/5/2025 8:47 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
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XREFS: IMAGES: PROJECTNAME: ----
GEN-X-BASE-ARCADIS Logo.png
GEN-X-TITLEArcadis Logo.png
GEN-X-TITLE-PRR



LEGEND:

- HISTORICAL SOIL BORING LOCATION
- HISTORICAL TEST PIT LOCATION
- DEEP MONITORING WELL LOCATION (GRAY = ABANDONED)
- SHALLOW MONITORING WELL LOCATION (GRAY = ABANDONED)
- PIEZOMETER LOCATION (GRAY = ABANDONED)
- NYSEG PROPERTY BOUNDARY
- FENCE LINE
- FORMER MGP STRUCTURE
- LIMITS OF OU-1 EXCAVATION

N

NOTES:

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2. ONLY SELECT MONITORING WELL, SOIL BORING, PIEZOMETER, AND TEST PIT LOCATIONS ARE SHOWN ON THE NYSEG PROPERTY AS A MAJORITY OF THE LOCATIONS WERE REMEDIATED IN 2014. SEE THE PREVIOUS SITE REPORTS FOR ADDITIONAL INVESTIGATION LOCATIONS.
3. AN ASTERISK (*) INDICATES THAT THE CONDITION AND USABILITY OF THE WELL OR PIEZOMETER IS UNKNOWN. THE LOCATION MAY BE ABANDONED OR DESTROYED.
4. BASE MAP PREPARED FROM .DWG FILE PROVIDED BY NYSEG, DATED 10-2-2006, TITLED EXPANDED DANSVILLE MGP SITE, AT A SCALE OF 1"=100'.
5. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (µg/L).
6. J - QUALIFIER INDICATES AN ESTIMATED VALUE.
7. ND - NOT DETECTED.
8. NS - NO SAMPLE COLLECTED.
9. PAH - POLYCYCLIC AROMATIC HYDROCARBONS.
10. SHADING INDICATES THAT ONE OR MORE PAH CONSTITUENTS EXCEED THE NYSDEC TOGS 1.1.1 WATER QUALITY STANDARD OR GUIDANCE VALUE.

0 150' 300'

GRAPHIC SCALE

NYSEG
DANSVILLE FORMER MGP SITE (OU-1 and OU-2)
DANSVILLE, NEW YORK
PERIODIC REVIEW REPORT

TOTAL PAH CONCENTRATIONS IN GROUNDWATER

ARCADIS

FIGURE 8

C:\Users\ekrahmer\DCACCDocs\Arcadis ACC US\AUS-99999999-NYSEG_DANSVILLE FMR MGP_DANSVILLE_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\PRR-2024\AR-F08-PAH CONC in GW.dwg LAYOUT: 8 SAVED: 5/5/2025 8:44 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
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GEN-X-TITLEArcadis Logo.png
GEN-X-TITLE-PRR

Appendix A

Site Inspection Form

Site Inspection Form
Madison Avenue Former MGP Site - Elmira, New York

Date/Time: 8/19/2024 0900 Weather: Cloudy/Rain

Personnel: AJS and KCF Temperature: 65 degrees

General Requirements

Photographs will be attached to document the condition of each inspection item identified below. A written description of any item(s) that is considered to be in poor condition is required.

1. General Site Conditions:

Monitoring wells	☑ Good	☐ Poor*
Application wells	☑ Good	☐ Poor*
Performance Monitoring wells	☑ Good	☐ Poor*
NAPL Monitoring/Recovery wells	☑ Good	☐ Poor*
Cover Areas (Grass and Stone)	☑ Good	☐ Poor*
Signs of intrusive activities	☑ No	☐ Yes*
Evidence of Settlement	☑ No	☐ Yes*

Note:
-Cover area inspection is to determine if intrusive activities may have occurred since the previous site visit.

2. Site Cover Systems:

Borrowing/Depressions	☑ No	☐ Yes*
Standing Water	☑ No	☐ Yes*
Missing Stone	☑ No	☐ Yes*
Vegetative Growth	☑ No	☐ Yes*
Evidence of Settlement	☑ No	☐ Yes*
Sedimentation	☑ No	☐ Yes*
Damage/Failure	☑ No	☐ Yes*

3. Notes:

Overall site condition was good. MW-01D well surface completion repair was completed by Nothnagle.

Site Inspection Form

Madison Avenue Former MGP Site - Elmira, New York

* Indicates condition should be reported to NYSEG Project Manager/OM&M Coordinator.

Appendix B

Laboratory Data Package

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Nicholas K Beyrle
Arcadis U.S., Inc.
100 Chestnut Street
Suite 1020
Rochester, New York 14604

Generated 8/30/2024 4:17:32 PM

JOB DESCRIPTION

NYSEG - Dansville MGP

JOB NUMBER

480-222812-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

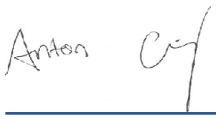
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838

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Definitions/Glossary

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-222812-1 Eurofins Buffalo

Job Narrative
480-222812-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/23/2024 2:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.5°C, 4.7°C and 5.4°C.

GC/MS VOA
Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-1806 (480-222812-1) and MW-1807 (480-222812-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted due to the abundance of non-target analytes: MW-04S (480-222812-6), MW-1803 (480-222812-11) and MW-1808 (480-222812-14). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1801 (480-222812-9), PZ-18 (480-222812-21) and MW-1805 (480-222812-23). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-722966 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are impacted: MW-1810 MS (480-222812-18[MS]) and MW-1810 MSD (480-222812-18[MSD]).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to color, appearance, and viscosity: MW-1806 (480-222812-1), MW-04S (480-222812-6), MW-1801 (480-222812-9), MW-1803 (480-222812-11), MW-1802 (480-222812-13), MW-1808 (480-222812-14) and MW-1805 (480-222812-23). Elevated reporting limits (RL) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Client Sample ID: MW-1806 — Lab Sample ID: 480-222812-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	23		10	7.4	ug/L	10		8260C	Total/NA
Xylenes, Total	15	J	20	6.6	ug/L	10		8260C	Total/NA

Client Sample ID: PZ-14 — Lab Sample ID: 480-222812-2

No Detections.

Client Sample ID: PZ-35 — Lab Sample ID: 480-222812-3

No Detections.

Client Sample ID: MW-1809 — Lab Sample ID: 480-222812-4

No Detections.

Client Sample ID: MW-1807 — Lab Sample ID: 480-222812-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5.8		2.0	0.82	ug/L	2		8260C	Total/NA
Acenaphthene	17		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	1.9	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	0.69	J	5.0	0.28	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	0.36	J	5.0	0.36	ug/L	1		8270D	Total/NA
Chrysene	0.40	J	5.0	0.33	ug/L	1		8270D	Total/NA
Fluoranthene	3.6	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	6.6		5.0	0.36	ug/L	1		8270D	Total/NA
Phenanthrene	0.51	J	5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	3.7	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MW-04S — Lab Sample ID: 480-222812-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	39		10	4.1	ug/L	10		8260C	Total/NA
Ethylbenzene	120		10	7.4	ug/L	10		8260C	Total/NA
Xylenes, Total	32		20	6.6	ug/L	10		8260C	Total/NA
1-Methylnaphthalene	160		50	7.3	ug/L	10		8270D	Total/NA
Acenaphthene	140		50	4.1	ug/L	10		8270D	Total/NA
Acenaphthylene	6.4	J	50	3.8	ug/L	10		8270D	Total/NA
Anthracene	8.1	J	50	2.8	ug/L	10		8270D	Total/NA
Fluoranthene	5.2	J	50	4.0	ug/L	10		8270D	Total/NA
Fluorene	41	J	50	3.6	ug/L	10		8270D	Total/NA
Phenanthrene	30	J	50	4.4	ug/L	10		8270D	Total/NA
Pyrene	5.3	J	50	3.4	ug/L	10		8270D	Total/NA

Client Sample ID: PZ-13 — Lab Sample ID: 480-222812-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.56	J	5.0	0.36	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	0.51	J	5.0	0.34	ug/L	1		8270D	Total/NA
Chrysene	0.53	J	5.0	0.33	ug/L	1		8270D	Total/NA
Fluoranthene	1.2	J	5.0	0.40	ug/L	1		8270D	Total/NA
Phenanthrene	0.76	J	5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	0.96	J	5.0	0.34	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Client Sample ID: PZ-24 — Lab Sample ID: 480-222812-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.83	J	1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1801 — Lab Sample ID: 480-222812-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	35		5.0	2.1	ug/L	5		8260C	Total/NA
Ethylbenzene	180		5.0	3.7	ug/L	5		8260C	Total/NA
Toluene	5.0		5.0	2.6	ug/L	5		8260C	Total/NA
Xylenes, Total	51		10	3.3	ug/L	5		8260C	Total/NA
1-Methylnaphthalene	170		50	7.3	ug/L	10		8270D	Total/NA
Acenaphthene	94		50	4.1	ug/L	10		8270D	Total/NA
Acenaphthylene	6.7	J	50	3.8	ug/L	10		8270D	Total/NA
Anthracene	8.8	J	50	2.8	ug/L	10		8270D	Total/NA
Fluoranthene	5.1	J	50	4.0	ug/L	10		8270D	Total/NA
Fluorene	32	J	50	3.6	ug/L	10		8270D	Total/NA
Naphthalene	8.7	J	50	7.6	ug/L	10		8270D	Total/NA
Phenanthrene	39	J	50	4.4	ug/L	10		8270D	Total/NA
Pyrene	5.9	J	50	3.4	ug/L	10		8270D	Total/NA

Client Sample ID: MW-1804 — Lab Sample ID: 480-222812-10

No Detections.

Client Sample ID: MW-1803 — Lab Sample ID: 480-222812-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	76		10	7.4	ug/L	10		8260C	Total/NA
Xylenes, Total	42		20	6.6	ug/L	10		8260C	Total/NA

Client Sample ID: PZ-25R — Lab Sample ID: 480-222812-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.8		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	6.7		1.0	0.74	ug/L	1		8260C	Total/NA
Toluene	2.4		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	12		2.0	0.66	ug/L	1		8260C	Total/NA
1-Methylnaphthalene	2.8	J	5.0	0.73	ug/L	1		8270D	Total/NA
Acenaphthene	0.45	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	1.6	J	5.0	0.38	ug/L	1		8270D	Total/NA
Naphthalene	0.99	J	5.0	0.76	ug/L	1		8270D	Total/NA

Client Sample ID: MW-1802 — Lab Sample ID: 480-222812-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.96	J	1.0	0.74	ug/L	1		8260C	Total/NA
Xylenes, Total	3.3		2.0	0.66	ug/L	1		8260C	Total/NA
Pyrene	1.7	J	25	1.7	ug/L	5		8270D	Total/NA

Client Sample ID: MW-1808 — Lab Sample ID: 480-222812-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5.4		5.0	2.1	ug/L	5		8260C	Total/NA
Ethylbenzene	6.9		5.0	3.7	ug/L	5		8260C	Total/NA
Xylenes, Total	5.5	J	10	3.3	ug/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: MW-1808 (Continued) — Lab Sample ID: 480-222812-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	75		25	3.7	ug/L	5		8270D	Total/NA
Acenaphthene	54		25	2.1	ug/L	5		8270D	Total/NA
Acenaphthylene	6.0	J	25	1.9	ug/L	5		8270D	Total/NA
Anthracene	1.8	J	25	1.4	ug/L	5		8270D	Total/NA
Fluorene	15	J	25	1.8	ug/L	5		8270D	Total/NA
Pyrene	2.3	J	25	1.7	ug/L	5		8270D	Total/NA

Client Sample ID: PZ-17 — Lab Sample ID: 480-222812-15

No Detections.

Client Sample ID: PZ-29 — Lab Sample ID: 480-222812-16

No Detections.

Client Sample ID: DUP-01-20240820 — Lab Sample ID: 480-222812-17

No Detections.

Client Sample ID: MW-1810 — Lab Sample ID: 480-222812-18

No Detections.

Client Sample ID: DUP-02-20240820 — Lab Sample ID: 480-222812-19

No Detections.

Client Sample ID: PZ-36 — Lab Sample ID: 480-222812-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.4		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	9.4		1.0	0.74	ug/L	1		8260C	Total/NA
Toluene	0.71	J	1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	1.8	J	2.0	0.66	ug/L	1		8260C	Total/NA
1-Methylnaphthalene	1.6	J	5.0	0.73	ug/L	1		8270D	Total/NA
Acenaphthene	22		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	5.4		5.0	0.38	ug/L	1		8270D	Total/NA
Fluoranthene	2.2	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	1.4	J	5.0	0.36	ug/L	1		8270D	Total/NA
Pyrene	2.9	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: PZ-18 — Lab Sample ID: 480-222812-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		2.0	0.82	ug/L	2		8260C	Total/NA

Client Sample ID: PZ-19 — Lab Sample ID: 480-222812-22

No Detections.

Client Sample ID: MW-1805 — Lab Sample ID: 480-222812-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	56		5.0	2.1	ug/L	5		8260C	Total/NA
Ethylbenzene	110		5.0	3.7	ug/L	5		8260C	Total/NA
Toluene	4.6	J	5.0	2.6	ug/L	5		8260C	Total/NA
Xylenes, Total	33		10	3.3	ug/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Client Sample ID: MW-1805 (Continued) — Lab Sample ID: 480-222812-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	190		50	7.3	ug/L	10		8270D	Total/NA
Acenaphthene	130		50	4.1	ug/L	10		8270D	Total/NA
Acenaphthylene	5.1	J	50	3.8	ug/L	10		8270D	Total/NA
Anthracene	9.4	J	50	2.8	ug/L	10		8270D	Total/NA
Fluoranthene	4.2	J	50	4.0	ug/L	10		8270D	Total/NA
Fluorene	43	J	50	3.6	ug/L	10		8270D	Total/NA
Naphthalene	14	J	50	7.6	ug/L	10		8270D	Total/NA
Phenanthrene	54		50	4.4	ug/L	10		8270D	Total/NA
Pyrene	4.0	J	50	3.4	ug/L	10		8270D	Total/NA

Client Sample ID: PZ-32 — Lab Sample ID: 480-222812-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.42	J	5.0	0.38	ug/L	1		8270D	Total/NA

Client Sample ID: PZ-31 — Lab Sample ID: 480-222812-25

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1806

Lab Sample ID: 480-222812-1

Date Collected: 08/21/24 00:00

Matrix: Water

Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		10	4.1	ug/L			08/23/24 22:34	10
Ethylbenzene	**23**		10	7.4	ug/L			08/23/24 22:34	10
Toluene	ND		10	5.1	ug/L			08/23/24 22:34	10
Xylenes, Total	**15**	**J**	20	6.6	ug/L			08/23/24 22:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/23/24 22:34*	*10*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*08/23/24 22:34*	*10*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/23/24 22:34*	*10*
Toluene-d8 (Surr)	*112*		*80 - 120*		*08/23/24 22:34*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		25	3.7	ug/L		08/26/24 13:06	08/27/24 13:26	5
2-Methylnaphthalene	ND		25	3.0	ug/L		08/26/24 13:06	08/27/24 13:26	5
Acenaphthene	ND		25	2.1	ug/L		08/26/24 13:06	08/27/24 13:26	5
Acenaphthylene	ND		25	1.9	ug/L		08/26/24 13:06	08/27/24 13:26	5
Anthracene	ND		25	1.4	ug/L		08/26/24 13:06	08/27/24 13:26	5
Benzo[a]anthracene	ND		25	1.8	ug/L		08/26/24 13:06	08/27/24 13:26	5
Benzo[a]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/27/24 13:26	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		08/26/24 13:06	08/27/24 13:26	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		08/26/24 13:06	08/27/24 13:26	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		08/26/24 13:06	08/27/24 13:26	5
Chrysene	ND		25	1.7	ug/L		08/26/24 13:06	08/27/24 13:26	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		08/26/24 13:06	08/27/24 13:26	5
Fluoranthene	ND		25	2.0	ug/L		08/26/24 13:06	08/27/24 13:26	5
Fluorene	ND		25	1.8	ug/L		08/26/24 13:06	08/27/24 13:26	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/27/24 13:26	5
Naphthalene	ND		25	3.8	ug/L		08/26/24 13:06	08/27/24 13:26	5
Phenanthrene	ND		25	2.2	ug/L		08/26/24 13:06	08/27/24 13:26	5
Pyrene	ND		25	1.7	ug/L		08/26/24 13:06	08/27/24 13:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*53 - 126*	*08/26/24 13:06*	*08/27/24 13:26*	*5*
Nitrobenzene-d5 (Surr)	*61*		*29 - 129*	*08/26/24 13:06*	*08/27/24 13:26*	*5*
p-Terphenyl-d14 (Surr)	*61*		*33 - 132*	*08/26/24 13:06*	*08/27/24 13:26*	*5*

Client Sample ID: PZ-14

Lab Sample ID: 480-222812-2

Date Collected: 08/22/24 00:00

Matrix: Water

Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/23/24 22:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/23/24 22:57	1
Toluene	ND		1.0	0.51	ug/L			08/23/24 22:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/23/24 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*08/23/24 22:57*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*08/23/24 22:57*	*1*

Client Sample ID: PZ-14

Date Collected: 08/22/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/23/24 22:57*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*08/23/24 22:57*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 13:53	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 13:53	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 13:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 13:53	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 13:53	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 13:53	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 13:53	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 13:53	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 13:53	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 13:53	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 13:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 13:53	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 13:53	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 13:53	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 13:53	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 13:53	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 13:53	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*53 - 126*	*08/26/24 13:06*	*08/27/24 13:53*	*1*
Nitrobenzene-d5 (Surr)	*64*		*29 - 129*	*08/26/24 13:06*	*08/27/24 13:53*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*08/26/24 13:06*	*08/27/24 13:53*	*1*

Client Sample ID: PZ-35

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-3

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/23/24 23:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/23/24 23:19	1
Toluene	ND		1.0	0.51	ug/L			08/23/24 23:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/23/24 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*08/23/24 23:19*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/23/24 23:19*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*08/23/24 23:19*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/23/24 23:19*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.2	0.76	ug/L		08/26/24 13:06	08/27/24 14:21	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		08/26/24 13:06	08/27/24 14:21	1

Client Sample ID: PZ-35

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-3
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.2	0.43	ug/L		08/26/24 13:06	08/27/24 14:21	1
Acenaphthylene	ND		5.2	0.40	ug/L		08/26/24 13:06	08/27/24 14:21	1
Anthracene	ND		5.2	0.29	ug/L		08/26/24 13:06	08/27/24 14:21	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		08/26/24 13:06	08/27/24 14:21	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		08/26/24 13:06	08/27/24 14:21	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		08/26/24 13:06	08/27/24 14:21	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		08/26/24 13:06	08/27/24 14:21	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		08/26/24 13:06	08/27/24 14:21	1
Chrysene	ND		5.2	0.34	ug/L		08/26/24 13:06	08/27/24 14:21	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		08/26/24 13:06	08/27/24 14:21	1
Fluoranthene	ND		5.2	0.42	ug/L		08/26/24 13:06	08/27/24 14:21	1
Fluorene	ND		5.2	0.38	ug/L		08/26/24 13:06	08/27/24 14:21	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		08/26/24 13:06	08/27/24 14:21	1
Naphthalene	ND		5.2	0.79	ug/L		08/26/24 13:06	08/27/24 14:21	1
Phenanthrene	ND		5.2	0.46	ug/L		08/26/24 13:06	08/27/24 14:21	1
Pyrene	ND		5.2	0.35	ug/L		08/26/24 13:06	08/27/24 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*53 - 126*	*08/26/24 13:06*	*08/27/24 14:21*	*1*
Nitrobenzene-d5 (Surr)	*74*		*29 - 129*	*08/26/24 13:06*	*08/27/24 14:21*	*1*
p-Terphenyl-d14 (Surr)	*70*		*33 - 132*	*08/26/24 13:06*	*08/27/24 14:21*	*1*

Client Sample ID: MW-1809

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-4
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/23/24 23:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/23/24 23:41	1
Toluene	ND		1.0	0.51	ug/L			08/23/24 23:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/23/24 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*08/23/24 23:41*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*08/23/24 23:41*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/23/24 23:41*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/23/24 23:41*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 14:48	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 14:48	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 14:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 14:48	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 14:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 14:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 14:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 14:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 14:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 14:48	1

Client Sample ID: MW-1809

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-4
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 14:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 14:48	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 14:48	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 14:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 14:48	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 14:48	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 14:48	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*53 - 126*	*08/26/24 13:06*	*08/27/24 14:48*	*1*
Nitrobenzene-d5 (Surr)	*66*		*29 - 129*	*08/26/24 13:06*	*08/27/24 14:48*	*1*
p-Terphenyl-d14 (Surr)	*87*		*33 - 132*	*08/26/24 13:06*	*08/27/24 14:48*	*1*

Client Sample ID: MW-1807

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-5
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.8**		2.0	0.82	ug/L			08/24/24 00:03	2
Ethylbenzene	ND		2.0	1.5	ug/L			08/24/24 00:03	2
Toluene	ND		2.0	1.0	ug/L			08/24/24 00:03	2
Xylenes, Total	ND		4.0	1.3	ug/L			08/24/24 00:03	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*08/24/24 00:03*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/24/24 00:03*	*2*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/24/24 00:03*	*2*
Toluene-d8 (Surr)	*112*		*80 - 120*		*08/24/24 00:03*	*2*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 15:16	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 15:16	1
Acenaphthene	**17**		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 15:16	1
Acenaphthylene	**1.9**	**J**	5.0	0.38	ug/L		08/26/24 13:06	08/27/24 15:16	1
Anthracene	**0.69**	**J**	5.0	0.28	ug/L		08/26/24 13:06	08/27/24 15:16	1
Benzo[a]anthracene	**0.36**	**J**	5.0	0.36	ug/L		08/26/24 13:06	08/27/24 15:16	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 15:16	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 15:16	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 15:16	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 15:16	1
Chrysene	**0.40**	**J**	5.0	0.33	ug/L		08/26/24 13:06	08/27/24 15:16	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 15:16	1
Fluoranthene	**3.6**	**J**	5.0	0.40	ug/L		08/26/24 13:06	08/27/24 15:16	1
Fluorene	**6.6**		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 15:16	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 15:16	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 15:16	1
Phenanthrene	**0.51**	**J**	5.0	0.44	ug/L		08/26/24 13:06	08/27/24 15:16	1
Pyrene	**3.7**	**J**	5.0	0.34	ug/L		08/26/24 13:06	08/27/24 15:16	1

Client Sample ID: MW-1807

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		53 - 126	08/26/24 13:06	08/27/24 15:16	1
Nitrobenzene-d5 (Surr)	76		29 - 129	08/26/24 13:06	08/27/24 15:16	1
p-Terphenyl-d14 (Surr)	77		33 - 132	08/26/24 13:06	08/27/24 15:16	1

Client Sample ID: MW-04S

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-6
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**39**		10	4.1	ug/L			08/24/24 00:25	10
Ethylbenzene	**120**		10	7.4	ug/L			08/24/24 00:25	10
Toluene	ND		10	5.1	ug/L			08/24/24 00:25	10
Xylenes, Total	**32**		20	6.6	ug/L			08/24/24 00:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		08/24/24 00:25	10
4-Bromofluorobenzene (Surr)	101		73 - 120		08/24/24 00:25	10
Dibromofluoromethane (Surr)	111		75 - 123		08/24/24 00:25	10
Toluene-d8 (Surr)	112		80 - 120		08/24/24 00:25	10

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**160**		50	7.3	ug/L		08/26/24 13:06	08/27/24 15:43	10
2-Methylnaphthalene	ND		50	6.0	ug/L		08/26/24 13:06	08/27/24 15:43	10
Acenaphthene	**140**		50	4.1	ug/L		08/26/24 13:06	08/27/24 15:43	10
Acenaphthylene	**6.4**	**J**	50	3.8	ug/L		08/26/24 13:06	08/27/24 15:43	10
Anthracene	**8.1**	**J**	50	2.8	ug/L		08/26/24 13:06	08/27/24 15:43	10
Benzo[a]anthracene	ND		50	3.6	ug/L		08/26/24 13:06	08/27/24 15:43	10
Benzo[a]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 15:43	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		08/26/24 13:06	08/27/24 15:43	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		08/26/24 13:06	08/27/24 15:43	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		08/26/24 13:06	08/27/24 15:43	10
Chrysene	ND		50	3.3	ug/L		08/26/24 13:06	08/27/24 15:43	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		08/26/24 13:06	08/27/24 15:43	10
Fluoranthene	**5.2**	**J**	50	4.0	ug/L		08/26/24 13:06	08/27/24 15:43	10
Fluorene	**41**	**J**	50	3.6	ug/L		08/26/24 13:06	08/27/24 15:43	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 15:43	10
Naphthalene	ND		50	7.6	ug/L		08/26/24 13:06	08/27/24 15:43	10
Phenanthrene	**30**	**J**	50	4.4	ug/L		08/26/24 13:06	08/27/24 15:43	10
Pyrene	**5.3**	**J**	50	3.4	ug/L		08/26/24 13:06	08/27/24 15:43	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		53 - 126	08/26/24 13:06	08/27/24 15:43	10
Nitrobenzene-d5 (Surr)	69		29 - 129	08/26/24 13:06	08/27/24 15:43	10
p-Terphenyl-d14 (Surr)	61		33 - 132	08/26/24 13:06	08/27/24 15:43	10

Client Sample ID: PZ-13

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-7
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 00:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 00:47	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 00:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/24/24 00:47*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/24/24 00:47*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/24/24 00:47*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*08/24/24 00:47*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 16:11	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 16:11	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 16:11	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 16:11	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 16:11	1
Benzo[a]anthracene	**0.56**	**J**	5.0	0.36	ug/L		08/26/24 13:06	08/27/24 16:11	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 16:11	1
Benzo[b]fluoranthene	**0.51**	**J**	5.0	0.34	ug/L		08/26/24 13:06	08/27/24 16:11	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 16:11	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 16:11	1
Chrysene	**0.53**	**J**	5.0	0.33	ug/L		08/26/24 13:06	08/27/24 16:11	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 16:11	1
Fluoranthene	**1.2**	**J**	5.0	0.40	ug/L		08/26/24 13:06	08/27/24 16:11	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 16:11	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 16:11	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 16:11	1
Phenanthrene	**0.76**	**J**	5.0	0.44	ug/L		08/26/24 13:06	08/27/24 16:11	1
Pyrene	**0.96**	**J**	5.0	0.34	ug/L		08/26/24 13:06	08/27/24 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*53 - 126*	*08/26/24 13:06*	*08/27/24 16:11*	*1*
Nitrobenzene-d5 (Surr)	*71*		*29 - 129*	*08/26/24 13:06*	*08/27/24 16:11*	*1*
p-Terphenyl-d14 (Surr)	*81*		*33 - 132*	*08/26/24 13:06*	*08/27/24 16:11*	*1*

Client Sample ID: PZ-24

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-8
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.83**	**J**	1.0	0.41	ug/L			08/24/24 01:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 01:09	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 01:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*08/24/24 01:09*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*08/24/24 01:09*	*1*

Client Sample ID: PZ-24

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-8
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/24/24 01:09*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/24/24 01:09*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.2	0.76	ug/L		08/26/24 13:06	08/27/24 16:38	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		08/26/24 13:06	08/27/24 16:38	1
Acenaphthene	ND		5.2	0.43	ug/L		08/26/24 13:06	08/27/24 16:38	1
Acenaphthylene	ND		5.2	0.40	ug/L		08/26/24 13:06	08/27/24 16:38	1
Anthracene	ND		5.2	0.29	ug/L		08/26/24 13:06	08/27/24 16:38	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		08/26/24 13:06	08/27/24 16:38	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		08/26/24 13:06	08/27/24 16:38	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		08/26/24 13:06	08/27/24 16:38	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		08/26/24 13:06	08/27/24 16:38	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		08/26/24 13:06	08/27/24 16:38	1
Chrysene	ND		5.2	0.34	ug/L		08/26/24 13:06	08/27/24 16:38	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		08/26/24 13:06	08/27/24 16:38	1
Fluoranthene	ND		5.2	0.42	ug/L		08/26/24 13:06	08/27/24 16:38	1
Fluorene	ND		5.2	0.38	ug/L		08/26/24 13:06	08/27/24 16:38	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		08/26/24 13:06	08/27/24 16:38	1
Naphthalene	ND		5.2	0.79	ug/L		08/26/24 13:06	08/27/24 16:38	1
Phenanthrene	ND		5.2	0.46	ug/L		08/26/24 13:06	08/27/24 16:38	1
Pyrene	ND		5.2	0.35	ug/L		08/26/24 13:06	08/27/24 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*53 - 126*	*08/26/24 13:06*	*08/27/24 16:38*	*1*
Nitrobenzene-d5 (Surr)	*73*		*29 - 129*	*08/26/24 13:06*	*08/27/24 16:38*	*1*
p-Terphenyl-d14 (Surr)	*76*		*33 - 132*	*08/26/24 13:06*	*08/27/24 16:38*	*1*

Client Sample ID: MW-1801

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-9
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**35**		5.0	2.1	ug/L			08/24/24 01:31	5
Ethylbenzene	**180**		5.0	3.7	ug/L			08/24/24 01:31	5
Toluene	**5.0**		5.0	2.6	ug/L			08/24/24 01:31	5
Xylenes, Total	**51**		10	3.3	ug/L			08/24/24 01:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*08/24/24 01:31*	*5*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*08/24/24 01:31*	*5*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/24/24 01:31*	*5*
Toluene-d8 (Surr)	*110*		*80 - 120*		*08/24/24 01:31*	*5*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**170**		50	7.3	ug/L		08/26/24 13:06	08/27/24 17:06	10
2-Methylnaphthalene	ND		50	6.0	ug/L		08/26/24 13:06	08/27/24 17:06	10

Client Sample ID: MW-1801

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-9
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**94**		50	4.1	ug/L		08/26/24 13:06	08/27/24 17:06	10
Acenaphthylene	**6.7**	**J**	50	3.8	ug/L		08/26/24 13:06	08/27/24 17:06	10
Anthracene	**8.8**	**J**	50	2.8	ug/L		08/26/24 13:06	08/27/24 17:06	10
Benzo[a]anthracene	ND		50	3.6	ug/L		08/26/24 13:06	08/27/24 17:06	10
Benzo[a]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 17:06	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		08/26/24 13:06	08/27/24 17:06	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		08/26/24 13:06	08/27/24 17:06	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		08/26/24 13:06	08/27/24 17:06	10
Chrysene	ND		50	3.3	ug/L		08/26/24 13:06	08/27/24 17:06	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		08/26/24 13:06	08/27/24 17:06	10
Fluoranthene	**5.1**	**J**	50	4.0	ug/L		08/26/24 13:06	08/27/24 17:06	10
Fluorene	**32**	**J**	50	3.6	ug/L		08/26/24 13:06	08/27/24 17:06	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 17:06	10
Naphthalene	**8.7**	**J**	50	7.6	ug/L		08/26/24 13:06	08/27/24 17:06	10
Phenanthrene	**39**	**J**	50	4.4	ug/L		08/26/24 13:06	08/27/24 17:06	10
Pyrene	**5.9**	**J**	50	3.4	ug/L		08/26/24 13:06	08/27/24 17:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*53 - 126*	*08/26/24 13:06*	*08/27/24 17:06*	*10*
Nitrobenzene-d5 (Surr)	*70*		*29 - 129*	*08/26/24 13:06*	*08/27/24 17:06*	*10*
p-Terphenyl-d14 (Surr)	*60*		*33 - 132*	*08/26/24 13:06*	*08/27/24 17:06*	*10*

Client Sample ID: MW-1804

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-10
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 01:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 01:54	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 01:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*08/24/24 01:54*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/24/24 01:54*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*08/24/24 01:54*	*1*
Toluene-d8 (Surr)	*114*		*80 - 120*		*08/24/24 01:54*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 17:33	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 17:33	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 17:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 17:33	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 17:33	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 17:33	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 17:33	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 17:33	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 17:33	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 17:33	1

Client Sample ID: MW-1804
Lab Sample ID: 480-222812-10
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 17:33	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 17:33	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 17:33	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 17:33	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 17:33	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 17:33	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 17:33	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*53 - 126*	*08/26/24 13:06*	*08/27/24 17:33*	*1*
Nitrobenzene-d5 (Surr)	*65*		*29 - 129*	*08/26/24 13:06*	*08/27/24 17:33*	*1*
p-Terphenyl-d14 (Surr)	*79*		*33 - 132*	*08/26/24 13:06*	*08/27/24 17:33*	*1*

Client Sample ID: MW-1803
Lab Sample ID: 480-222812-11
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		10	4.1	ug/L			08/24/24 02:16	10
Ethylbenzene	**76**		10	7.4	ug/L			08/24/24 02:16	10
Toluene	ND		10	5.1	ug/L			08/24/24 02:16	10
Xylenes, Total	**42**		20	6.6	ug/L			08/24/24 02:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/24/24 02:16*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/24/24 02:16*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/24/24 02:16*	*10*
Toluene-d8 (Surr)	*114*		*80 - 120*		*08/24/24 02:16*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		50	7.3	ug/L		08/26/24 13:06	08/27/24 18:01	10
2-Methylnaphthalene	ND		50	6.0	ug/L		08/26/24 13:06	08/27/24 18:01	10
Acenaphthene	ND		50	4.1	ug/L		08/26/24 13:06	08/27/24 18:01	10
Acenaphthylene	ND		50	3.8	ug/L		08/26/24 13:06	08/27/24 18:01	10
Anthracene	ND		50	2.8	ug/L		08/26/24 13:06	08/27/24 18:01	10
Benzo[a]anthracene	ND		50	3.6	ug/L		08/26/24 13:06	08/27/24 18:01	10
Benzo[a]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 18:01	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		08/26/24 13:06	08/27/24 18:01	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		08/26/24 13:06	08/27/24 18:01	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		08/26/24 13:06	08/27/24 18:01	10
Chrysene	ND		50	3.3	ug/L		08/26/24 13:06	08/27/24 18:01	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		08/26/24 13:06	08/27/24 18:01	10
Fluoranthene	ND		50	4.0	ug/L		08/26/24 13:06	08/27/24 18:01	10
Fluorene	ND		50	3.6	ug/L		08/26/24 13:06	08/27/24 18:01	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 18:01	10
Naphthalene	ND		50	7.6	ug/L		08/26/24 13:06	08/27/24 18:01	10
Phenanthrene	ND		50	4.4	ug/L		08/26/24 13:06	08/27/24 18:01	10
Pyrene	ND		50	3.4	ug/L		08/26/24 13:06	08/27/24 18:01	10

Client Sample ID: MW-1803

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-11
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*53 - 126*	*08/26/24 13:06*	*08/27/24 18:01*	*10*
Nitrobenzene-d5 (Surr)	*65*		*29 - 129*	*08/26/24 13:06*	*08/27/24 18:01*	*10*
p-Terphenyl-d14 (Surr)	*60*		*33 - 132*	*08/26/24 13:06*	*08/27/24 18:01*	*10*

Client Sample ID: PZ-25R

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-12
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.8**		1.0	0.41	ug/L			08/24/24 02:38	1
Ethylbenzene	**6.7**		1.0	0.74	ug/L			08/24/24 02:38	1
Toluene	**2.4**		1.0	0.51	ug/L			08/24/24 02:38	1
Xylenes, Total	**12**		2.0	0.66	ug/L			08/24/24 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*08/24/24 02:38*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/24/24 02:38*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/24/24 02:38*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*08/24/24 02:38*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**2.8**	**J**	5.0	0.73	ug/L		08/26/24 13:06	08/27/24 18:28	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 18:28	1
Acenaphthene	**0.45**	**J**	5.0	0.41	ug/L		08/26/24 13:06	08/27/24 18:28	1
Acenaphthylene	**1.6**	**J**	5.0	0.38	ug/L		08/26/24 13:06	08/27/24 18:28	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 18:28	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 18:28	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 18:28	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 18:28	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 18:28	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 18:28	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 18:28	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 18:28	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 18:28	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 18:28	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 18:28	1
Naphthalene	**0.99**	**J**	5.0	0.76	ug/L		08/26/24 13:06	08/27/24 18:28	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 18:28	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*53 - 126*	*08/26/24 13:06*	*08/27/24 18:28*	*1*
Nitrobenzene-d5 (Surr)	*78*		*29 - 129*	*08/26/24 13:06*	*08/27/24 18:28*	*1*
p-Terphenyl-d14 (Surr)	*83*		*33 - 132*	*08/26/24 13:06*	*08/27/24 18:28*	*1*

Client Sample ID: MW-1802

Lab Sample ID: 480-222812-13

Date Collected: 08/21/24 00:00

Matrix: Water

Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/26/24 14:02	1
Ethylbenzene	**0.96**	**J**	1.0	0.74	ug/L			08/26/24 14:02	1
Toluene	ND		1.0	0.51	ug/L			08/26/24 14:02	1
Xylenes, Total	**3.3**		2.0	0.66	ug/L			08/26/24 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/26/24 14:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/26/24 14:02*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/26/24 14:02*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*08/26/24 14:02*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		25	3.7	ug/L		08/26/24 13:06	08/28/24 12:21	5
2-Methylnaphthalene	ND		25	3.0	ug/L		08/26/24 13:06	08/28/24 12:21	5
Acenaphthene	ND		25	2.1	ug/L		08/26/24 13:06	08/28/24 12:21	5
Acenaphthylene	ND		25	1.9	ug/L		08/26/24 13:06	08/28/24 12:21	5
Anthracene	ND		25	1.4	ug/L		08/26/24 13:06	08/28/24 12:21	5
Benzo[a]anthracene	ND		25	1.8	ug/L		08/26/24 13:06	08/28/24 12:21	5
Benzo[a]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/28/24 12:21	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		08/26/24 13:06	08/28/24 12:21	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		08/26/24 13:06	08/28/24 12:21	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		08/26/24 13:06	08/28/24 12:21	5
Chrysene	ND		25	1.7	ug/L		08/26/24 13:06	08/28/24 12:21	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		08/26/24 13:06	08/28/24 12:21	5
Fluoranthene	ND		25	2.0	ug/L		08/26/24 13:06	08/28/24 12:21	5
Fluorene	ND		25	1.8	ug/L		08/26/24 13:06	08/28/24 12:21	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/28/24 12:21	5
Naphthalene	ND		25	3.8	ug/L		08/26/24 13:06	08/28/24 12:21	5
Phenanthrene	ND		25	2.2	ug/L		08/26/24 13:06	08/28/24 12:21	5
Pyrene	**1.7**	**J**	25	1.7	ug/L		08/26/24 13:06	08/28/24 12:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*53 - 126*	*08/26/24 13:06*	*08/28/24 12:21*	*5*
Nitrobenzene-d5 (Surr)	*58*		*29 - 129*	*08/26/24 13:06*	*08/28/24 12:21*	*5*
p-Terphenyl-d14 (Surr)	*51*		*33 - 132*	*08/26/24 13:06*	*08/28/24 12:21*	*5*

Client Sample ID: MW-1808

Lab Sample ID: 480-222812-14

Date Collected: 08/21/24 00:00

Matrix: Water

Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.4**		5.0	2.1	ug/L			08/24/24 03:22	5
Ethylbenzene	**6.9**		5.0	3.7	ug/L			08/24/24 03:22	5
Toluene	ND		5.0	2.6	ug/L			08/24/24 03:22	5
Xylenes, Total	**5.5**	**J**	10	3.3	ug/L			08/24/24 03:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/24/24 03:22*	*5*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*08/24/24 03:22*	*5*

Client Sample ID: MW-1808

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-14
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/24/24 03:22*	*5*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/24/24 03:22*	*5*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**75**		25	3.7	ug/L		08/26/24 13:06	08/27/24 19:23	5
2-Methylnaphthalene	ND		25	3.0	ug/L		08/26/24 13:06	08/27/24 19:23	5
Acenaphthene	**54**		25	2.1	ug/L		08/26/24 13:06	08/27/24 19:23	5
Acenaphthylene	**6.0**	**J**	25	1.9	ug/L		08/26/24 13:06	08/27/24 19:23	5
Anthracene	**1.8**	**J**	25	1.4	ug/L		08/26/24 13:06	08/27/24 19:23	5
Benzo[a]anthracene	ND		25	1.8	ug/L		08/26/24 13:06	08/27/24 19:23	5
Benzo[a]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/27/24 19:23	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		08/26/24 13:06	08/27/24 19:23	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		08/26/24 13:06	08/27/24 19:23	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		08/26/24 13:06	08/27/24 19:23	5
Chrysene	ND		25	1.7	ug/L		08/26/24 13:06	08/27/24 19:23	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		08/26/24 13:06	08/27/24 19:23	5
Fluoranthene	ND		25	2.0	ug/L		08/26/24 13:06	08/27/24 19:23	5
Fluorene	**15**	**J**	25	1.8	ug/L		08/26/24 13:06	08/27/24 19:23	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/27/24 19:23	5
Naphthalene	ND		25	3.8	ug/L		08/26/24 13:06	08/27/24 19:23	5
Phenanthrene	ND		25	2.2	ug/L		08/26/24 13:06	08/27/24 19:23	5
Pyrene	**2.3**	**J**	25	1.7	ug/L		08/26/24 13:06	08/27/24 19:23	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*74*		*53 - 126*	*08/26/24 13:06*	*08/27/24 19:23*	*5*
Nitrobenzene-d5 (Surr)	*60*		*29 - 129*	*08/26/24 13:06*	*08/27/24 19:23*	*5*
p-Terphenyl-d14 (Surr)	*56*		*33 - 132*	*08/26/24 13:06*	*08/27/24 19:23*	*5*

Client Sample ID: PZ-17

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-15
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 03:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 03:44	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 03:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*08/24/24 03:44*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*08/24/24 03:44*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/24/24 03:44*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*08/24/24 03:44*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 12:58	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 12:58	1

Client Sample ID: PZ-17

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-15
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 12:58	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 12:58	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 12:58	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 12:58	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 12:58	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 12:58	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 12:58	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 12:58	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 12:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 12:58	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 12:58	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 12:58	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 12:58	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 12:58	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 12:58	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*53 - 126*	*08/26/24 13:06*	*08/27/24 12:58*	*1*
Nitrobenzene-d5 (Surr)	*65*		*29 - 129*	*08/26/24 13:06*	*08/27/24 12:58*	*1*
p-Terphenyl-d14 (Surr)	*81*		*33 - 132*	*08/26/24 13:06*	*08/27/24 12:58*	*1*

Client Sample ID: PZ-29

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-16
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 04:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 04:06	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 04:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*08/24/24 04:06*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/24/24 04:06*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/24/24 04:06*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/24/24 04:06*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 18:38	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 18:38	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 18:38	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/27/24 07:39	08/28/24 18:38	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 18:38	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 18:38	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 18:38	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 18:38	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 18:38	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 18:38	1

Client Sample ID: PZ-29
Lab Sample ID: 480-222812-16
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 18:38	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 18:38	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 18:38	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 18:38	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 18:38	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 18:38	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 18:38	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*99*		*53 - 126*	*08/27/24 07:39*	*08/28/24 18:38*	*1*
Nitrobenzene-d5 (Surr)	*75*		*29 - 129*	*08/27/24 07:39*	*08/28/24 18:38*	*1*
p-Terphenyl-d14 (Surr)	*82*		*33 - 132*	*08/27/24 07:39*	*08/28/24 18:38*	*1*

Client Sample ID: DUP-01-20240820
Lab Sample ID: 480-222812-17
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/26/24 19:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/24 19:34	1
Toluene	ND		1.0	0.51	ug/L			08/26/24 19:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/26/24 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*08/26/24 19:34*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*08/26/24 19:34*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*08/26/24 19:34*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/26/24 19:34*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:05	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 19:05	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 19:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/27/24 07:39	08/28/24 19:05	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 19:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 19:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:05	1
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 19:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 19:05	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 19:05	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:05	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 19:05	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 19:05	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:05	1

Client Sample ID: DUP-01-20240820
Lab Sample ID: 480-222812-17
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*53 - 126*	*08/27/24 07:39*	*08/28/24 19:05*	*1*
Nitrobenzene-d5 (Surr)	*72*		*29 - 129*	*08/27/24 07:39*	*08/28/24 19:05*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*08/27/24 07:39*	*08/28/24 19:05*	*1*

Client Sample ID: MW-1810
Lab Sample ID: 480-222812-18
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F1	1.0	0.41	ug/L			08/24/24 03:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 03:00	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 03:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*08/24/24 03:00*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*08/24/24 03:00*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*08/24/24 03:00*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*08/24/24 03:00*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:31	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 19:31	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 19:31	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/27/24 07:39	08/28/24 19:31	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 19:31	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:31	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:31	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:31	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 19:31	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:31	1
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 19:31	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 19:31	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 19:31	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:31	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:31	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 19:31	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 19:31	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*53 - 126*	*08/27/24 07:39*	*08/28/24 19:31*	*1*
Nitrobenzene-d5 (Surr)	*73*		*29 - 129*	*08/27/24 07:39*	*08/28/24 19:31*	*1*
p-Terphenyl-d14 (Surr)	*84*		*33 - 132*	*08/27/24 07:39*	*08/28/24 19:31*	*1*

Client Sample ID: DUP-02-20240820

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-19
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/26/24 19:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/24 19:57	1
Toluene	ND		1.0	0.51	ug/L			08/26/24 19:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/26/24 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*08/26/24 19:57*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/26/24 19:57*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*08/26/24 19:57*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/26/24 19:57*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 19:51	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 19:51	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 19:51	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 19:51	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 19:51	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 19:51	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 19:51	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 19:51	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 19:51	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 19:51	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 19:51	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 19:51	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 19:51	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 19:51	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 19:51	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 19:51	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 19:51	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*53 - 126*	*08/26/24 13:06*	*08/27/24 19:51*	*1*
Nitrobenzene-d5 (Surr)	*63*		*29 - 129*	*08/26/24 13:06*	*08/27/24 19:51*	*1*
p-Terphenyl-d14 (Surr)	*90*		*33 - 132*	*08/26/24 13:06*	*08/27/24 19:51*	*1*

Client Sample ID: PZ-36

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-20
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**8.4**		1.0	0.41	ug/L			08/24/24 03:47	1
Ethylbenzene	**9.4**		1.0	0.74	ug/L			08/24/24 03:47	1
Toluene	**0.71**	**J**	1.0	0.51	ug/L			08/24/24 03:47	1
Xylenes, Total	**1.8**	**J**	2.0	0.66	ug/L			08/24/24 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*08/24/24 03:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/24/24 03:47*	*1*

Client Sample ID: PZ-36

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-20
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*08/24/24 03:47*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/24/24 03:47*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**1.6**	**J**	5.0	0.73	ug/L		08/26/24 13:06	08/27/24 20:18	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 20:18	1
Acenaphthene	**22**		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 20:18	1
Acenaphthylene	**5.4**		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 20:18	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 20:18	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 20:18	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 20:18	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 20:18	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 20:18	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 20:18	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 20:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 20:18	1
Fluoranthene	**2.2**	**J**	5.0	0.40	ug/L		08/26/24 13:06	08/27/24 20:18	1
Fluorene	**1.4**	**J**	5.0	0.36	ug/L		08/26/24 13:06	08/27/24 20:18	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 20:18	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 20:18	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 20:18	1
Pyrene	**2.9**	**J**	5.0	0.34	ug/L		08/26/24 13:06	08/27/24 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*53 - 126*	*08/26/24 13:06*	*08/27/24 20:18*	*1*
Nitrobenzene-d5 (Surr)	*62*		*29 - 129*	*08/26/24 13:06*	*08/27/24 20:18*	*1*
p-Terphenyl-d14 (Surr)	*74*		*33 - 132*	*08/26/24 13:06*	*08/27/24 20:18*	*1*

Client Sample ID: PZ-18

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-21
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**160**		2.0	0.82	ug/L			08/27/24 13:15	2
Ethylbenzene	ND		2.0	1.5	ug/L			08/27/24 13:15	2
Toluene	ND		2.0	1.0	ug/L			08/27/24 13:15	2
Xylenes, Total	ND		4.0	1.3	ug/L			08/27/24 13:15	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*08/27/24 13:15*	*2*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*08/27/24 13:15*	*2*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*08/27/24 13:15*	*2*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/27/24 13:15*	*2*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 20:46	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 20:46	1

Client Sample ID: PZ-18

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-21
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 20:46	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 20:46	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 20:46	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 20:46	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 20:46	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 20:46	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 20:46	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 20:46	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 20:46	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 20:46	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 20:46	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 20:46	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 20:46	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 20:46	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 20:46	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*53 - 126*	*08/26/24 13:06*	*08/27/24 20:46*	*1*
Nitrobenzene-d5 (Surr)	*60*		*29 - 129*	*08/26/24 13:06*	*08/27/24 20:46*	*1*
p-Terphenyl-d14 (Surr)	*86*		*33 - 132*	*08/26/24 13:06*	*08/27/24 20:46*	*1*

Client Sample ID: PZ-19

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-22
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 04:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 04:34	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 04:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*08/24/24 04:34*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*08/24/24 04:34*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*08/24/24 04:34*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/24/24 04:34*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 21:13	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 21:13	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 21:13	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 21:13	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 21:13	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 21:13	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 21:13	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 21:13	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 21:13	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 21:13	1

Client Sample ID: PZ-19

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-22
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 21:13	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 21:13	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 21:13	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 21:13	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 21:13	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 21:13	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 21:13	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*53 - 126*	*08/26/24 13:06*	*08/27/24 21:13*	*1*
Nitrobenzene-d5 (Surr)	*73*		*29 - 129*	*08/26/24 13:06*	*08/27/24 21:13*	*1*
p-Terphenyl-d14 (Surr)	*85*		*33 - 132*	*08/26/24 13:06*	*08/27/24 21:13*	*1*

Client Sample ID: MW-1805

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-23
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**56**		5.0	2.1	ug/L			08/24/24 04:58	5
Ethylbenzene	**110**		5.0	3.7	ug/L			08/24/24 04:58	5
Toluene	**4.6**	**J**	5.0	2.6	ug/L			08/24/24 04:58	5
Xylenes, Total	**33**		10	3.3	ug/L			08/24/24 04:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/24/24 04:58*	*5*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*08/24/24 04:58*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*08/24/24 04:58*	*5*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/24/24 04:58*	*5*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**190**		50	7.3	ug/L		08/26/24 13:06	08/27/24 21:40	10
2-Methylnaphthalene	ND		50	6.0	ug/L		08/26/24 13:06	08/27/24 21:40	10
Acenaphthene	**130**		50	4.1	ug/L		08/26/24 13:06	08/27/24 21:40	10
Acenaphthylene	**5.1**	**J**	50	3.8	ug/L		08/26/24 13:06	08/27/24 21:40	10
Anthracene	**9.4**	**J**	50	2.8	ug/L		08/26/24 13:06	08/27/24 21:40	10
Benzo[a]anthracene	ND		50	3.6	ug/L		08/26/24 13:06	08/27/24 21:40	10
Benzo[a]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 21:40	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		08/26/24 13:06	08/27/24 21:40	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		08/26/24 13:06	08/27/24 21:40	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		08/26/24 13:06	08/27/24 21:40	10
Chrysene	ND		50	3.3	ug/L		08/26/24 13:06	08/27/24 21:40	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		08/26/24 13:06	08/27/24 21:40	10
Fluoranthene	**4.2**	**J**	50	4.0	ug/L		08/26/24 13:06	08/27/24 21:40	10
Fluorene	**43**	**J**	50	3.6	ug/L		08/26/24 13:06	08/27/24 21:40	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 21:40	10
Naphthalene	**14**	**J**	50	7.6	ug/L		08/26/24 13:06	08/27/24 21:40	10
Phenanthrene	**54**		50	4.4	ug/L		08/26/24 13:06	08/27/24 21:40	10
Pyrene	**4.0**	**J**	50	3.4	ug/L		08/26/24 13:06	08/27/24 21:40	10

Client Sample ID: MW-1805

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-23
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*53 - 126*	*08/26/24 13:06*	*08/27/24 21:40*	*10*
Nitrobenzene-d5 (Surr)	*59*		*29 - 129*	*08/26/24 13:06*	*08/27/24 21:40*	*10*
p-Terphenyl-d14 (Surr)	*58*		*33 - 132*	*08/26/24 13:06*	*08/27/24 21:40*	*10*

Client Sample ID: PZ-32

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-24
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 05:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 05:21	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 05:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*08/24/24 05:21*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*08/24/24 05:21*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*08/24/24 05:21*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*08/24/24 05:21*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:58	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 19:58	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 19:58	1
Acenaphthylene	**0.42**	**J**	5.0	0.38	ug/L		08/27/24 07:39	08/28/24 19:58	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 19:58	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:58	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:58	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:58	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 19:58	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:58	1
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 19:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 19:58	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 19:58	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:58	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:58	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 19:58	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 19:58	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*53 - 126*	*08/27/24 07:39*	*08/28/24 19:58*	*1*
Nitrobenzene-d5 (Surr)	*55*		*29 - 129*	*08/27/24 07:39*	*08/28/24 19:58*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*08/27/24 07:39*	*08/28/24 19:58*	*1*

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Client Sample ID: PZ-31

Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-25

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 05:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 05:44	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 05:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*08/24/24 05:44*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*08/24/24 05:44*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*08/24/24 05:44*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/24/24 05:44*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 20:24	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 20:24	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 20:24	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/27/24 07:39	08/28/24 20:24	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 20:24	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 20:24	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 20:24	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 20:24	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 20:24	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 20:24	1
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 20:24	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 20:24	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 20:24	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 20:24	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 20:24	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 20:24	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 20:24	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*53 - 126*	*08/27/24 07:39*	*08/28/24 20:24*	*1*
Nitrobenzene-d5 (Surr)	*66*		*29 - 129*	*08/27/24 07:39*	*08/28/24 20:24*	*1*
p-Terphenyl-d14 (Surr)	*86*		*33 - 132*	*08/27/24 07:39*	*08/28/24 20:24*	*1*

Surrogate Summary

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-222812-1	MW-1806	109	99	110	112
480-222812-2	PZ-14	108	102	109	112
480-222812-3	PZ-35	110	100	112	111
480-222812-4	MW-1809	108	104	109	111
480-222812-5	MW-1807	111	101	111	112
480-222812-6	MW-04S	110	101	111	112
480-222812-7	PZ-13	109	101	110	109
480-222812-8	PZ-24	111	102	110	111
480-222812-9	MW-1801	111	98	109	110
480-222812-10	MW-1804	106	103	107	114
480-222812-11	MW-1803	109	101	109	114
480-222812-12	PZ-25R	114	100	111	113
480-222812-13	MW-1802	109	100	110	110
480-222812-14	MW-1808	109	97	110	111
480-222812-15	PZ-17	107	104	109	112
480-222812-15 MS	PZ-17 MS	108	99	108	112
480-222812-15 MSD	PZ-17 MSD	105	100	105	113
480-222812-16	PZ-29	108	103	111	111
480-222812-17	DUP-01-20240820	90	99	91	93
480-222812-18	MW-1810	113	92	115	108
480-222812-18 MS	MW-1810 MS	111	95	111	105
480-222812-18 MSD	MW-1810 MSD	108	92	107	103
480-222812-19	DUP-02-20240820	89	103	91	93
480-222812-20	PZ-36	116	96	108	105
480-222812-21	PZ-18	90	106	96	94
480-222812-22	PZ-19	110	91	107	105
480-222812-23	MW-1805	109	91	106	103
480-222812-24	PZ-32	112	97	113	110
480-222812-25	PZ-31	106	92	108	104
LCS 480-722964/6	Lab Control Sample	105	99	105	113
LCS 480-722966/6	Lab Control Sample	110	95	113	108
LCS 480-723037/6	Lab Control Sample	90	98	92	90
LCS 480-723058/6	Lab Control Sample	113	103	104	109
LCS 480-723194/6	Lab Control Sample	87	101	90	94
LCSD 480-723037/30	Lab Control Sample Dup	90	101	91	93
LCSD 480-723058/7	Lab Control Sample Dup	111	98	103	108
LCSD 480-723194/31	Lab Control Sample Dup	86	101	93	92
MB 480-722964/8	Method Blank	108	102	109	111
MB 480-722966/8	Method Blank	107	93	108	104
MB 480-723037/9	Method Blank	90	100	85	92
MB 480-723058/9	Method Blank	109	103	109	111
MB 480-723194/8	Method Blank	87	101	92	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Arcadis U.S., Inc.
Job ID: 480-222812-1
Project/Site: NYSEG - Dansville MGP

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(53-126)	(29-129)	(33-132)
480-222812-1	MW-1806	69	61	61
480-222812-2	PZ-14	75	64	77
480-222812-3	PZ-35	86	74	70
480-222812-4	MW-1809	77	66	87
480-222812-5	MW-1807	88	76	77
480-222812-6	MW-04S	77	69	61
480-222812-7	PZ-13	88	71	81
480-222812-8	PZ-24	85	73	76
480-222812-9	MW-1801	77	70	60
480-222812-10	MW-1804	74	65	79
480-222812-11	MW-1803	68	65	60
480-222812-12	PZ-25R	92	78	83
480-222812-13	MW-1802	69	58	51
480-222812-14	MW-1808	74	60	56
480-222812-15	PZ-17	78	65	81
480-222812-15 MS	PZ-17 MS	89	78	79
480-222812-15 MSD	PZ-17 MSD	84	77	85
480-222812-16	PZ-29	99	75	82
480-222812-17	DUP-01-20240820	97	72	77
480-222812-18	MW-1810	97	73	84
480-222812-18 MS	MW-1810 MS	91	77	80
480-222812-18 MSD	MW-1810 MSD	93	77	81
480-222812-19	DUP-02-20240820	76	63	90
480-222812-20	PZ-36	68	62	74
480-222812-21	PZ-18	73	60	86
480-222812-22	PZ-19	83	73	85
480-222812-23	MW-1805	75	59	58
480-222812-24	PZ-32	81	55	77
480-222812-25	PZ-31	92	66	86
LCS 480-723095/2-A	Lab Control Sample	85	76	92
LCS 480-723164/2-A	Lab Control Sample	94	80	96
MB 480-723095/1-A	Method Blank	81	71	101
MB 480-723164/1-A	Method Blank	67	51	77

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-722964/8
Matrix: Water
Analysis Batch: 722964

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/23/24 22:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/23/24 22:12	1
Toluene	ND		1.0	0.51	ug/L			08/23/24 22:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/23/24 22:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*08/23/24 22:12*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*08/23/24 22:12*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/23/24 22:12*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/23/24 22:12*	*1*

Lab Sample ID: LCS 480-722964/6
Matrix: Water
Analysis Batch: 722964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	25.0		ug/L		100	71 - 124
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
Toluene	25.0	25.3		ug/L		101	80 - 122
Xylenes, Total	50.0	49.5		ug/L		99	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*113*		*80 - 120*

Lab Sample ID: 480-222812-15 MS
Matrix: Water
Analysis Batch: 722964

Client Sample ID: PZ-17 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		25.0	28.4		ug/L		114	71 - 124
Ethylbenzene	ND		25.0	28.1		ug/L		112	77 - 123
Toluene	ND		25.0	28.3		ug/L		113	80 - 122
Xylenes, Total	ND		50.0	55.2		ug/L		110	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*
Toluene-d8 (Surr)	*112*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-222812-15 MSD
Matrix: Water
Analysis Batch: 722964

Client Sample ID: PZ-17 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		25.0	27.5		ug/L		110	71 - 124	3	13
Ethylbenzene	ND		25.0	28.0		ug/L		112	77 - 123	0	15
Toluene	ND		25.0	28.3		ug/L		113	80 - 122	0	15
Xylenes, Total	ND		50.0	55.5		ug/L		111	76 - 122	1	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*113*		*80 - 120*

Lab Sample ID: MB 480-722966/8
Matrix: Water
Analysis Batch: 722966

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/23/24 23:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/23/24 23:30	1
Toluene	ND		1.0	0.51	ug/L			08/23/24 23:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/23/24 23:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*08/23/24 23:30*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*08/23/24 23:30*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*08/23/24 23:30*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/23/24 23:30*	*1*

Lab Sample ID: LCS 480-722966/6
Matrix: Water
Analysis Batch: 722966

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	28.6		ug/L		114	71 - 124		
Ethylbenzene			25.0	25.8		ug/L		103	77 - 123		
Toluene			25.0	26.1		ug/L		105	80 - 122		
Xylenes, Total			50.0	51.4		ug/L		103	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*113*		*75 - 123*
Toluene-d8 (Surr)	*108*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-222812-18 MS
Matrix: Water
Analysis Batch: 722966

Client Sample ID: MW-1810 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND	F1	25.0	33.3	F1	ug/L		133	71 - 124
Ethylbenzene	ND		25.0	29.9		ug/L		120	77 - 123
Toluene	ND		25.0	29.7		ug/L		119	80 - 122
Xylenes, Total	ND		50.0	58.8		ug/L		118	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*111*		*75 - 123*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 480-222812-18 MSD
Matrix: Water
Analysis Batch: 722966

Client Sample ID: MW-1810 MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND	F1	25.0	31.9	F1	ug/L		128	71 - 124	4	13
Ethylbenzene	ND		25.0	28.4		ug/L		113	77 - 123	5	15
Toluene	ND		25.0	28.9		ug/L		116	80 - 122	3	15
Xylenes, Total	ND		50.0	55.4		ug/L		111	76 - 122	6	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 480-723037/9
Matrix: Water
Analysis Batch: 723037

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/26/24 13:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/24 13:56	1
Toluene	ND		1.0	0.51	ug/L			08/26/24 13:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/26/24 13:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*08/26/24 13:56*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/26/24 13:56*	*1*
Dibromofluoromethane (Surr)	*85*		*75 - 123*		*08/26/24 13:56*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/26/24 13:56*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-723037/6
Matrix: Water
Analysis Batch: 723037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	25.8		ug/L		103	71 - 124		
Ethylbenzene			25.0	25.4		ug/L		101	77 - 123		
Toluene			25.0	24.9		ug/L		99	80 - 122		
Xylenes, Total			50.0	48.2		ug/L		96	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*
Toluene-d8 (Surr)	*90*		*80 - 120*

Lab Sample ID: LCSD 480-723037/30
Matrix: Water
Analysis Batch: 723037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			25.0	24.5		ug/L		98	71 - 124	5	13
Ethylbenzene			25.0	25.3		ug/L		101	77 - 123	0	15
Toluene			25.0	24.9		ug/L		99	80 - 122	0	15
Xylenes, Total			50.0	48.4		ug/L		97	76 - 122	0	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*91*		*75 - 123*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: MB 480-723058/9
Matrix: Water
Analysis Batch: 723058

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/26/24 12:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/24 12:55	1
Toluene	ND		1.0	0.51	ug/L			08/26/24 12:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/26/24 12:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/26/24 12:55*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/26/24 12:55*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/26/24 12:55*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/26/24 12:55*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-723058/6
Matrix: Water
Analysis Batch: 723058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	23.8		ug/L		95	71 - 124		
Ethylbenzene			25.0	23.5		ug/L		94	77 - 123		
Toluene			25.0	24.4		ug/L		98	80 - 122		
Xylenes, Total			50.0	47.2		ug/L		94	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: LCSD 480-723058/7
Matrix: Water
Analysis Batch: 723058

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			25.0	24.6		ug/L		98	71 - 124	3	13
Ethylbenzene			25.0	24.5		ug/L		98	77 - 123	4	15
Toluene			25.0	24.7		ug/L		99	80 - 122	1	15
Xylenes, Total			50.0	48.2		ug/L		96	76 - 122	2	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 480-723194/8
Matrix: Water
Analysis Batch: 723194

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/27/24 12:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/27/24 12:37	1
Toluene	ND		1.0	0.51	ug/L			08/27/24 12:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/27/24 12:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*08/27/24 12:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/27/24 12:37*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*08/27/24 12:37*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/27/24 12:37*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-723194/6
Matrix: Water
Analysis Batch: 723194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	24.7		ug/L		99	71 - 124		
Ethylbenzene			25.0	25.8		ug/L		103	77 - 123		
Toluene			25.0	25.2		ug/L		101	80 - 122		
Xylenes, Total			50.0	50.7		ug/L		101	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*90*		*75 - 123*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 480-723194/31
Matrix: Water
Analysis Batch: 723194

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			25.0	24.6		ug/L		98	71 - 124	0	13
Ethylbenzene			25.0	24.6		ug/L		99	77 - 123	5	15
Toluene			25.0	23.9		ug/L		96	80 - 122	5	15
Xylenes, Total			50.0	47.5		ug/L		95	76 - 122	7	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*
Toluene-d8 (Surr)	*92*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-723095/1-A
Matrix: Water
Analysis Batch: 723188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 723095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 11:08	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 11:08	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 11:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 11:08	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 11:08	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 11:08	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 11:08	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 11:08	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 11:08	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 11:08	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 11:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 11:08	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 11:08	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 11:08	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-723095/1-A
Matrix: Water
Analysis Batch: 723188

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 723095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 11:08	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 11:08	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 11:08	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*53 - 126*	*08/26/24 13:06*	*08/27/24 11:08*	*1*
Nitrobenzene-d5 (Surr)	*71*		*29 - 129*	*08/26/24 13:06*	*08/27/24 11:08*	*1*
p-Terphenyl-d14 (Surr)	*101*		*33 - 132*	*08/26/24 13:06*	*08/27/24 11:08*	*1*

Lab Sample ID: LCS 480-723095/2-A
Matrix: Water
Analysis Batch: 723188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	32.0	26.0		ug/L		81	51 - 120
2-Methylnaphthalene	32.0	25.5		ug/L		80	59 - 120
Acenaphthene	32.0	30.3		ug/L		95	60 - 120
Acenaphthylene	32.0	29.5		ug/L		92	63 - 120
Anthracene	32.0	31.8		ug/L		100	67 - 120
Benzo[a]anthracene	32.0	32.6		ug/L		102	70 - 121
Benzo[a]pyrene	32.0	33.5		ug/L		105	60 - 123
Benzo[b]fluoranthene	32.0	35.6		ug/L		111	66 - 126
Benzo[g,h,i]perylene	32.0	35.3		ug/L		110	66 - 150
Benzo[k]fluoranthene	32.0	33.5		ug/L		105	65 - 124
Chrysene	32.0	31.9		ug/L		100	69 - 120
Dibenz(a,h)anthracene	32.0	37.4		ug/L		117	65 - 135
Fluoranthene	32.0	33.5		ug/L		105	69 - 126
Fluorene	32.0	32.5		ug/L		101	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	37.0		ug/L		116	69 - 146
Naphthalene	32.0	24.7		ug/L		77	57 - 120
Phenanthrene	32.0	33.3		ug/L		104	68 - 120
Pyrene	32.0	31.8		ug/L		99	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*53 - 126*
Nitrobenzene-d5 (Surr)	*76*		*29 - 129*
p-Terphenyl-d14 (Surr)	*92*		*33 - 132*

Lab Sample ID: 480-222812-15 MS
Matrix: Water
Analysis Batch: 723188

Client Sample ID: PZ-17 MS
Prep Type: Total/NA
Prep Batch: 723095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	ND		32.0	25.9		ug/L		81	42 - 127
2-Methylnaphthalene	ND		32.0	25.2		ug/L		79	34 - 140
Acenaphthene	ND		32.0	32.2		ug/L		101	48 - 120
Acenaphthylene	ND		32.0	31.2		ug/L		98	63 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-222812-15 MS
Matrix: Water
Analysis Batch: 723188

Client Sample ID: PZ-17 MS
Prep Type: Total/NA
Prep Batch: 723095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	ND		32.0	33.4		ug/L		104	65 - 122
Benzo[a]anthracene	ND		32.0	32.6		ug/L		102	43 - 124
Benzo[a]pyrene	ND		32.0	30.8		ug/L		96	23 - 125
Benzo[b]fluoranthene	ND		32.0	33.7		ug/L		105	27 - 127
Benzo[g,h,i]perylene	ND		32.0	31.4		ug/L		98	16 - 147
Benzo[k]fluoranthene	ND		32.0	35.6		ug/L		111	20 - 124
Chrysene	ND		32.0	31.5		ug/L		98	44 - 122
Dibenz(a,h)anthracene	ND		32.0	32.4		ug/L		101	16 - 139
Fluoranthene	ND		32.0	34.2		ug/L		107	63 - 129
Fluorene	ND		32.0	33.8		ug/L		106	62 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	32.9		ug/L		103	16 - 140
Naphthalene	ND		32.0	24.6		ug/L		77	45 - 120
Phenanthrene	ND		32.0	34.3		ug/L		107	65 - 122
Pyrene	ND		32.0	34.4		ug/L		108	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*53 - 126*
Nitrobenzene-d5 (Surr)	*78*		*29 - 129*
p-Terphenyl-d14 (Surr)	*79*		*33 - 132*

Lab Sample ID: 480-222812-15 MSD
Matrix: Water
Analysis Batch: 723188

Client Sample ID: PZ-17 MSD
Prep Type: Total/NA
Prep Batch: 723095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	ND		32.0	25.2		ug/L		79	42 - 127	3	30
2-Methylnaphthalene	ND		32.0	24.8		ug/L		77	34 - 140	2	21
Acenaphthene	ND		32.0	29.7		ug/L		93	48 - 120	8	24
Acenaphthylene	ND		32.0	30.3		ug/L		95	63 - 120	3	18
Anthracene	ND		32.0	32.4		ug/L		101	65 - 122	3	15
Benzo[a]anthracene	ND		32.0	33.4		ug/L		104	43 - 124	2	15
Benzo[a]pyrene	ND		32.0	32.9		ug/L		103	23 - 125	7	15
Benzo[b]fluoranthene	ND		32.0	36.0		ug/L		112	27 - 127	7	15
Benzo[g,h,i]perylene	ND		32.0	33.1		ug/L		104	16 - 147	6	15
Benzo[k]fluoranthene	ND		32.0	36.3		ug/L		113	20 - 124	2	22
Chrysene	ND		32.0	32.5		ug/L		102	44 - 122	3	15
Dibenz(a,h)anthracene	ND		32.0	34.1		ug/L		107	16 - 139	5	15
Fluoranthene	ND		32.0	34.0		ug/L		106	63 - 129	1	15
Fluorene	ND		32.0	32.1		ug/L		100	62 - 120	5	15
Indeno[1,2,3-cd]pyrene	ND		32.0	34.6		ug/L		108	16 - 140	5	15
Naphthalene	ND		32.0	24.3		ug/L		76	45 - 120	1	29
Phenanthrene	ND		32.0	33.2		ug/L		104	65 - 122	3	15
Pyrene	ND		32.0	33.4		ug/L		104	58 - 128	3	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*53 - 126*
Nitrobenzene-d5 (Surr)	*77*		*29 - 129*
p-Terphenyl-d14 (Surr)	*85*		*33 - 132*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-723164/1-A
Matrix: Water
Analysis Batch: 723348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 723164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 14:12	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 14:12	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 14:12	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/27/24 07:39	08/28/24 14:12	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 14:12	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 14:12	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 14:12	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 14:12	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 14:12	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 14:12	1
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 14:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 14:12	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 14:12	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 14:12	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 14:12	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 14:12	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 14:12	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 14:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*53 - 126*	*08/27/24 07:39*	*08/28/24 14:12*	*1*
Nitrobenzene-d5 (Surr)	*51*		*29 - 129*	*08/27/24 07:39*	*08/28/24 14:12*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*08/27/24 07:39*	*08/28/24 14:12*	*1*

Lab Sample ID: LCS 480-723164/2-A
Matrix: Water
Analysis Batch: 723348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	32.0	30.0		ug/L		94	51 - 120
2-Methylnaphthalene	32.0	28.7		ug/L		90	59 - 120
Acenaphthene	32.0	34.0		ug/L		106	60 - 120
Acenaphthylene	32.0	32.0		ug/L		100	63 - 120
Anthracene	32.0	34.4		ug/L		107	67 - 120
Benzo[a]anthracene	32.0	31.8		ug/L		99	70 - 121
Benzo[a]pyrene	32.0	33.3		ug/L		104	60 - 123
Benzo[b]fluoranthene	32.0	33.6		ug/L		105	66 - 126
Benzo[g,h,i]perylene	32.0	33.1		ug/L		103	66 - 150
Benzo[k]fluoranthene	32.0	35.1		ug/L		110	65 - 124
Chrysene	32.0	32.9		ug/L		103	69 - 120
Dibenz(a,h)anthracene	32.0	34.5		ug/L		108	65 - 135
Fluoranthene	32.0	34.2		ug/L		107	69 - 126
Fluorene	32.0	35.3		ug/L		110	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	34.2		ug/L		107	69 - 146
Naphthalene	32.0	28.9		ug/L		90	57 - 120
Phenanthrene	32.0	34.9		ug/L		109	68 - 120
Pyrene	32.0	32.1		ug/L		100	70 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-723164/2-A
Matrix: Water
Analysis Batch: 723348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723164

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*94*		*53 - 126*
Nitrobenzene-d5 (Surr)	*80*		*29 - 129*
p-Terphenyl-d14 (Surr)	*96*		*33 - 132*

Lab Sample ID: 480-222812-18 MS
Matrix: Water
Analysis Batch: 723348

Client Sample ID: MW-1810 MS
Prep Type: Total/NA
Prep Batch: 723164

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	ND		32.0	28.5		ug/L		89	42 - 127
2-Methylnaphthalene	ND		32.0	26.9		ug/L		84	34 - 140
Acenaphthene	ND		32.0	31.9		ug/L		100	48 - 120
Acenaphthylene	ND		32.0	30.4		ug/L		95	63 - 120
Anthracene	ND		32.0	33.5		ug/L		105	65 - 122
Benzo[a]anthracene	ND		32.0	31.4		ug/L		98	43 - 124
Benzo[a]pyrene	ND		32.0	30.7		ug/L		96	23 - 125
Benzo[b]fluoranthene	ND		32.0	35.1		ug/L		110	27 - 127
Benzo[g,h,i]perylene	ND		32.0	30.7		ug/L		96	16 - 147
Benzo[k]fluoranthene	ND		32.0	29.3		ug/L		92	20 - 124
Chrysene	ND		32.0	31.2		ug/L		98	44 - 122
Dibenz(a,h)anthracene	ND		32.0	31.9		ug/L		100	16 - 139
Fluoranthene	ND		32.0	33.5		ug/L		105	63 - 129
Fluorene	ND		32.0	33.5		ug/L		105	62 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	31.4		ug/L		98	16 - 140
Naphthalene	ND		32.0	27.7		ug/L		87	45 - 120
Phenanthrene	ND		32.0	34.4		ug/L		108	65 - 122
Pyrene	ND		32.0	31.3		ug/L		98	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*53 - 126*
Nitrobenzene-d5 (Surr)	*77*		*29 - 129*
p-Terphenyl-d14 (Surr)	*80*		*33 - 132*

Lab Sample ID: 480-222812-18 MSD
Matrix: Water
Analysis Batch: 723348

Client Sample ID: MW-1810 MSD
Prep Type: Total/NA
Prep Batch: 723164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	ND		32.0	29.8		ug/L		93	42 - 127	4	30
2-Methylnaphthalene	ND		32.0	28.5		ug/L		89	34 - 140	6	21
Acenaphthene	ND		32.0	33.9		ug/L		106	48 - 120	6	24
Acenaphthylene	ND		32.0	32.1		ug/L		100	63 - 120	5	18
Anthracene	ND		32.0	35.2		ug/L		110	65 - 122	5	15
Benzo[a]anthracene	ND		32.0	32.0		ug/L		100	43 - 124	2	15
Benzo[a]pyrene	ND		32.0	32.2		ug/L		101	23 - 125	5	15
Benzo[b]fluoranthene	ND		32.0	36.7		ug/L		115	27 - 127	5	15
Benzo[g,h,i]perylene	ND		32.0	31.8		ug/L		100	16 - 147	4	15
Benzo[k]fluoranthene	ND		32.0	30.1		ug/L		94	20 - 124	3	22

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-222812-18 MSD
Matrix: Water
Analysis Batch: 723348

Client Sample ID: MW-1810 MSD
Prep Type: Total/NA
Prep Batch: 723164

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene	ND		32.0	32.8		ug/L		102	44 - 122	5	15
Dibenz(a,h)anthracene	ND		32.0	33.3		ug/L		104	16 - 139	4	15
Fluoranthene	ND		32.0	35.1		ug/L		110	63 - 129	5	15
Fluorene	ND		32.0	35.8		ug/L		112	62 - 120	6	15
Indeno[1,2,3-cd]pyrene	ND		32.0	32.5		ug/L		101	16 - 140	3	15
Naphthalene	ND		32.0	28.0		ug/L		88	45 - 120	1	29
Phenanthrene	ND		32.0	35.4		ug/L		111	65 - 122	3	15
Pyrene	ND		32.0	32.5		ug/L		101	58 - 128	4	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*53 - 126*
Nitrobenzene-d5 (Surr)	*77*		*29 - 129*
p-Terphenyl-d14 (Surr)	*81*		*33 - 132*

GC/MS VOA

Analysis Batch: 722964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-1	MW-1806	Total/NA	Water	8260C	
480-222812-2	PZ-14	Total/NA	Water	8260C	
480-222812-3	PZ-35	Total/NA	Water	8260C	
480-222812-4	MW-1809	Total/NA	Water	8260C	
480-222812-5	MW-1807	Total/NA	Water	8260C	
480-222812-6	MW-04S	Total/NA	Water	8260C	
480-222812-7	PZ-13	Total/NA	Water	8260C	
480-222812-8	PZ-24	Total/NA	Water	8260C	
480-222812-9	MW-1801	Total/NA	Water	8260C	
480-222812-10	MW-1804	Total/NA	Water	8260C	
480-222812-11	MW-1803	Total/NA	Water	8260C	
480-222812-12	PZ-25R	Total/NA	Water	8260C	
480-222812-14	MW-1808	Total/NA	Water	8260C	
480-222812-15	PZ-17	Total/NA	Water	8260C	
480-222812-16	PZ-29	Total/NA	Water	8260C	
MB 480-722964/8	Method Blank	Total/NA	Water	8260C	
LCS 480-722964/6	Lab Control Sample	Total/NA	Water	8260C	
480-222812-15 MS	PZ-17 MS	Total/NA	Water	8260C	
480-222812-15 MSD	PZ-17 MSD	Total/NA	Water	8260C	

Analysis Batch: 722966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-18	MW-1810	Total/NA	Water	8260C	
480-222812-20	PZ-36	Total/NA	Water	8260C	
480-222812-22	PZ-19	Total/NA	Water	8260C	
480-222812-23	MW-1805	Total/NA	Water	8260C	
480-222812-24	PZ-32	Total/NA	Water	8260C	
480-222812-25	PZ-31	Total/NA	Water	8260C	
MB 480-722966/8	Method Blank	Total/NA	Water	8260C	
LCS 480-722966/6	Lab Control Sample	Total/NA	Water	8260C	
480-222812-18 MS	MW-1810 MS	Total/NA	Water	8260C	
480-222812-18 MSD	MW-1810 MSD	Total/NA	Water	8260C	

Analysis Batch: 723037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-17	DUP-01-20240820	Total/NA	Water	8260C	
480-222812-19	DUP-02-20240820	Total/NA	Water	8260C	
MB 480-723037/9	Method Blank	Total/NA	Water	8260C	
LCS 480-723037/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-723037/30	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 723058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-13	MW-1802	Total/NA	Water	8260C	
MB 480-723058/9	Method Blank	Total/NA	Water	8260C	
LCS 480-723058/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-723058/7	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 723194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-21	PZ-18	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 723194 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-723194/8	Method Blank	Total/NA	Water	8260C	
LCS 480-723194/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-723194/31	Lab Control Sample Dup	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 723095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-1	MW-1806	Total/NA	Water	3510C	
480-222812-2	PZ-14	Total/NA	Water	3510C	
480-222812-3	PZ-35	Total/NA	Water	3510C	
480-222812-4	MW-1809	Total/NA	Water	3510C	
480-222812-5	MW-1807	Total/NA	Water	3510C	
480-222812-6	MW-04S	Total/NA	Water	3510C	
480-222812-7	PZ-13	Total/NA	Water	3510C	
480-222812-8	PZ-24	Total/NA	Water	3510C	
480-222812-9	MW-1801	Total/NA	Water	3510C	
480-222812-10	MW-1804	Total/NA	Water	3510C	
480-222812-11	MW-1803	Total/NA	Water	3510C	
480-222812-12	PZ-25R	Total/NA	Water	3510C	
480-222812-13	MW-1802	Total/NA	Water	3510C	
480-222812-14	MW-1808	Total/NA	Water	3510C	
480-222812-15	PZ-17	Total/NA	Water	3510C	
480-222812-19	DUP-02-20240820	Total/NA	Water	3510C	
480-222812-20	PZ-36	Total/NA	Water	3510C	
480-222812-21	PZ-18	Total/NA	Water	3510C	
480-222812-22	PZ-19	Total/NA	Water	3510C	
480-222812-23	MW-1805	Total/NA	Water	3510C	
MB 480-723095/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-723095/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-222812-15 MS	PZ-17 MS	Total/NA	Water	3510C	
480-222812-15 MSD	PZ-17 MSD	Total/NA	Water	3510C	

Prep Batch: 723164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-16	PZ-29	Total/NA	Water	3510C	
480-222812-17	DUP-01-20240820	Total/NA	Water	3510C	
480-222812-18	MW-1810	Total/NA	Water	3510C	
480-222812-24	PZ-32	Total/NA	Water	3510C	
480-222812-25	PZ-31	Total/NA	Water	3510C	
MB 480-723164/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-723164/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-222812-18 MS	MW-1810 MS	Total/NA	Water	3510C	
480-222812-18 MSD	MW-1810 MSD	Total/NA	Water	3510C	

Analysis Batch: 723188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-1	MW-1806	Total/NA	Water	8270D	723095
480-222812-2	PZ-14	Total/NA	Water	8270D	723095
480-222812-3	PZ-35	Total/NA	Water	8270D	723095
480-222812-4	MW-1809	Total/NA	Water	8270D	723095

GC/MS Semi VOA (Continued)

Analysis Batch: 723188 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-5	MW-1807	Total/NA	Water	8270D	723095
480-222812-6	MW-04S	Total/NA	Water	8270D	723095
480-222812-7	PZ-13	Total/NA	Water	8270D	723095
480-222812-8	PZ-24	Total/NA	Water	8270D	723095
480-222812-9	MW-1801	Total/NA	Water	8270D	723095
480-222812-10	MW-1804	Total/NA	Water	8270D	723095
480-222812-11	MW-1803	Total/NA	Water	8270D	723095
480-222812-12	PZ-25R	Total/NA	Water	8270D	723095
480-222812-14	MW-1808	Total/NA	Water	8270D	723095
480-222812-15	PZ-17	Total/NA	Water	8270D	723095
480-222812-19	DUP-02-20240820	Total/NA	Water	8270D	723095
480-222812-20	PZ-36	Total/NA	Water	8270D	723095
480-222812-21	PZ-18	Total/NA	Water	8270D	723095
480-222812-22	PZ-19	Total/NA	Water	8270D	723095
480-222812-23	MW-1805	Total/NA	Water	8270D	723095
MB 480-723095/1-A	Method Blank	Total/NA	Water	8270D	723095
LCS 480-723095/2-A	Lab Control Sample	Total/NA	Water	8270D	723095
480-222812-15 MS	PZ-17 MS	Total/NA	Water	8270D	723095
480-222812-15 MSD	PZ-17 MSD	Total/NA	Water	8270D	723095

Analysis Batch: 723327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-13	MW-1802	Total/NA	Water	8270D	723095

Analysis Batch: 723348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222812-16	PZ-29	Total/NA	Water	8270D	723164
480-222812-17	DUP-01-20240820	Total/NA	Water	8270D	723164
480-222812-18	MW-1810	Total/NA	Water	8270D	723164
480-222812-24	PZ-32	Total/NA	Water	8270D	723164
480-222812-25	PZ-31	Total/NA	Water	8270D	723164
MB 480-723164/1-A	Method Blank	Total/NA	Water	8270D	723164
LCS 480-723164/2-A	Lab Control Sample	Total/NA	Water	8270D	723164
480-222812-18 MS	MW-1810 MS	Total/NA	Water	8270D	723164
480-222812-18 MSD	MW-1810 MSD	Total/NA	Water	8270D	723164

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Client Sample ID: MW-1806
Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	722964	AXK	EET BUF	08/23/24 22:34
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		5	723188	JMM	EET BUF	08/27/24 13:26

Client Sample ID: PZ-14
Date Collected: 08/22/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722964	AXK	EET BUF	08/23/24 22:57
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 13:53

Client Sample ID: PZ-35
Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722964	AXK	EET BUF	08/23/24 23:19
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 14:21

Client Sample ID: MW-1809
Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722964	AXK	EET BUF	08/23/24 23:41
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 14:48

Client Sample ID: MW-1807
Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	722964	AXK	EET BUF	08/24/24 00:03
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 15:16

Client Sample ID: MW-04S
Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	722964	AXK	EET BUF	08/24/24 00:25

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Client Sample ID: MW-04S
Lab Sample ID: 480-222812-6
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		10	723188	JMM	EET BUF	08/27/24 15:43

Client Sample ID: PZ-13
Lab Sample ID: 480-222812-7
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722964	AXK	EET BUF	08/24/24 00:47
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 16:11

Client Sample ID: PZ-24
Lab Sample ID: 480-222812-8
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722964	AXK	EET BUF	08/24/24 01:09
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 16:38

Client Sample ID: MW-1801
Lab Sample ID: 480-222812-9
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	722964	AXK	EET BUF	08/24/24 01:31
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		10	723188	JMM	EET BUF	08/27/24 17:06

Client Sample ID: MW-1804
Lab Sample ID: 480-222812-10
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722964	AXK	EET BUF	08/24/24 01:54
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 17:33

Client Sample ID: MW-1803
Lab Sample ID: 480-222812-11
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	722964	AXK	EET BUF	08/24/24 02:16

Client Sample ID: MW-1803
Lab Sample ID: 480-222812-11
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		10	723188	JMM	EET BUF	08/27/24 18:01

Client Sample ID: PZ-25R
Lab Sample ID: 480-222812-12
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722964	AXK	EET BUF	08/24/24 02:38
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 18:28

Client Sample ID: MW-1802
Lab Sample ID: 480-222812-13
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	723058	ERS	EET BUF	08/26/24 14:02
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		5	723327	JMM	EET BUF	08/28/24 12:21

Client Sample ID: MW-1808
Lab Sample ID: 480-222812-14
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	722964	AXK	EET BUF	08/24/24 03:22
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		5	723188	JMM	EET BUF	08/27/24 19:23

Client Sample ID: PZ-17
Lab Sample ID: 480-222812-15
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722964	AXK	EET BUF	08/24/24 03:44
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 12:58

Client Sample ID: PZ-29
Lab Sample ID: 480-222812-16
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722964	AXK	EET BUF	08/24/24 04:06

Client Sample ID: PZ-29
Lab Sample ID: 480-222812-16
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			723164	DP	EET BUF	08/27/24 07:39
Total/NA	Analysis	8270D		1	723348	EMD	EET BUF	08/28/24 18:38

Client Sample ID: DUP-01-20240820
Lab Sample ID: 480-222812-17
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	723037	ERS	EET BUF	08/26/24 19:34
Total/NA	Prep	3510C			723164	DP	EET BUF	08/27/24 07:39
Total/NA	Analysis	8270D		1	723348	EMD	EET BUF	08/28/24 19:05

Client Sample ID: MW-1810
Lab Sample ID: 480-222812-18
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722966	ERS	EET BUF	08/24/24 03:00
Total/NA	Prep	3510C			723164	DP	EET BUF	08/27/24 07:39
Total/NA	Analysis	8270D		1	723348	EMD	EET BUF	08/28/24 19:31

Client Sample ID: DUP-02-20240820
Lab Sample ID: 480-222812-19
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	723037	ERS	EET BUF	08/26/24 19:57
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 19:51

Client Sample ID: PZ-36
Lab Sample ID: 480-222812-20
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722966	ERS	EET BUF	08/24/24 03:47
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 20:18

Client Sample ID: PZ-18
Lab Sample ID: 480-222812-21
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	723194	ERS	EET BUF	08/27/24 13:15

Lab Chronicle

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Client Sample ID: PZ-18
Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 20:46

Client Sample ID: PZ-19
Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722966	ERS	EET BUF	08/24/24 04:34
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		1	723188	JMM	EET BUF	08/27/24 21:13

Client Sample ID: MW-1805
Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	722966	ERS	EET BUF	08/24/24 04:58
Total/NA	Prep	3510C			723095	LSC	EET BUF	08/26/24 13:06
Total/NA	Analysis	8270D		10	723188	JMM	EET BUF	08/27/24 21:40

Client Sample ID: PZ-32
Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722966	ERS	EET BUF	08/24/24 05:21
Total/NA	Prep	3510C			723164	DP	EET BUF	08/27/24 07:39
Total/NA	Analysis	8270D		1	723348	EMD	EET BUF	08/28/24 19:58

Client Sample ID: PZ-31
Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	722966	ERS	EET BUF	08/24/24 05:44
Total/NA	Prep	3510C			723164	DP	EET BUF	08/27/24 07:39
Total/NA	Analysis	8270D		1	723348	EMD	EET BUF	08/28/24 20:24

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Arcadis U.S., Inc.
Job ID: 480-222812-1
Project/Site: NYSEG - Dansville MGP

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270D	3510C	Water	1-Methylnaphthalene

Method Summary

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Arcadis U.S., Inc.
Project/Site: NYSEG - Dansville MGP

Job ID: 480-222812-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-222812-1	MW-1806	Water	08/21/24 00:00	08/23/24 14:05
480-222812-2	PZ-14	Water	08/22/24 00:00	08/23/24 14:05
480-222812-3	PZ-35	Water	08/21/24 00:00	08/23/24 14:05
480-222812-4	MW-1809	Water	08/20/24 00:00	08/23/24 14:05
480-222812-5	MW-1807	Water	08/21/24 00:00	08/23/24 14:05
480-222812-6	MW-04S	Water	08/21/24 00:00	08/23/24 14:05
480-222812-7	PZ-13	Water	08/21/24 00:00	08/23/24 14:05
480-222812-8	PZ-24	Water	08/21/24 00:00	08/23/24 14:05
480-222812-9	MW-1801	Water	08/21/24 00:00	08/23/24 14:05
480-222812-10	MW-1804	Water	08/21/24 00:00	08/23/24 14:05
480-222812-11	MW-1803	Water	08/21/24 00:00	08/23/24 14:05
480-222812-12	PZ-25R	Water	08/21/24 00:00	08/23/24 14:05
480-222812-13	MW-1802	Water	08/21/24 00:00	08/23/24 14:05
480-222812-14	MW-1808	Water	08/21/24 00:00	08/23/24 14:05
480-222812-15	PZ-17	Water	08/20/24 00:00	08/23/24 14:05
480-222812-16	PZ-29	Water	08/20/24 00:00	08/23/24 14:05
480-222812-17	DUP-01-20240820	Water	08/20/24 00:00	08/23/24 14:05
480-222812-18	MW-1810	Water	08/20/24 00:00	08/23/24 14:05
480-222812-19	DUP-02-20240820	Water	08/20/24 00:00	08/23/24 14:05
480-222812-20	PZ-36	Water	08/20/24 00:00	08/23/24 14:05
480-222812-21	PZ-18	Water	08/20/24 00:00	08/23/24 14:05
480-222812-22	PZ-19	Water	08/20/24 00:00	08/23/24 14:05
480-222812-23	MW-1805	Water	08/20/24 00:00	08/23/24 14:05
480-222812-24	PZ-32	Water	08/20/24 00:00	08/23/24 14:05
480-222812-25	PZ-31	Water	08/20/24 00:00	08/23/24 14:05

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Adam Svensson B Kaitlyn Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-198091-37871.2
Client Contact: Nicholas Beyrle	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 4
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 295 Woodcliff Drive, Suite 301	Due Date Requested:	Analysis Requested		Preservation Codes: N - None A - HCL
City: Fairport	TAT Requested (days):			
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4506628846			
Email: nicholas.beyrle@arcadis.com	WO #: NYSEG-Dansville/John Ruspantini			
Project Name: NYSEG - Dansville MGP	Project #: 48006864			Other:
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semivolatiles	8260C - BTEX	8260C - Trip Blank - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	A		
MW-1806	8/21/24	1435	G	Water	N	N	X	X		5	
PZ-14	8/22/24	1345	G	Water	N	N	X	X		5	
PZ-35	8/21/24	1520	G	Water	N	N	X	X		5	
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							

480-222812 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 8/23/24/1405	Company	Received by:	Date/Time: 8/23/24 1405	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.7, 5.1, 3.5 #1 Ice

Ver: 04/02/2024

8/30/2024

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler: Kaitlyn Fleming & Adam Svensson	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-198091-37871.3
Client Contact: Nicholas Beyrle	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 3 of 4
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 295 Woodcliff Drive, Suite 301	Due Date Requested:			
City: Fairport	TAT Requested (days):			
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4506628846			
Email: nicholas.beyrle@arcadis.com	WO #: NYSEG-Dansville/John Ruspantini			
Project Name: NYSEG - Dansville MGP	Project #: 48006864			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N - None; A - HCL

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semivolatiles	8260C - BTEX	8260C - Trip Blank - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	A		
MW-1809	8/20/24	1455	G	Water	N	N	X	X		5	
MW-1807	8/21/24	0905	G	Water	N	N	X	X		5	
MW-045	8/21/24	0900	G	Water	N	N	X	X		5	
PZ-13	8/21/24	1005	G	Water	N	N	X	X		5	
PZ-24	8/21/24	1155	G	Water	N	N	X	X		5	
MW-1801	8/21/24	1045	G	Water	N	N	X	X		5	
MW-1804	8/21/24	1205	G	Water	N	N	X	X		5	
MW-1803	8/21/24	1305	G	Water	N	N	X	X		5	
PZ-25R	8/21/24	1325	G	Water	N	N	X	X		5	
MW-1802	8/21/24	1410	G	Water	N	N	X	X		5	
MW-1808	8/21/24	1435	G	Water	N	N	X	X		5	

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Adam Svensson	Date/Time: 8/23/24 1405	Company	Received by:	Date/Time: 8/23/24 1405	Company T.A
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

8/30/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler: Adam Svensson & Kaitlyn Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-198091-37871.4
Client Contact: Nicholas Beyrle	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 4 of 4
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 295 Woodcliff Drive, Suite 301	Due Date Requested:			
City: Fairport	TAT Requested (days):			
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4506628846			
Email: nicholas.beyrle@arcadis.com	WO #: NYSEG-Dansville/John Ruspantini			
Project Name: NYSEG - Dansville MGP	Project #: 48006864			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semivolatiles	8260C - BTEX	8260C - Trip Blank - BTEX										Total Number of containers	Special Instructions/Note:
Preservation Code:							N	A	A											
PZ-17	8/20/24	0910	G	Water	N	Y	X	X											15	ms/msd
PZ-29	8/20/24	0925	G	Water	N	N	X	X											5	
DUP-01-20240820	8/20/24	—	G	W	N	N	X	X											5	
MW-1810	8/20/24	1025	G	W	N	Y	X	X											15	ms/msd
DUP-02-20240820	8/20/24	—	G	W	N	N	X	X											5	
PZ-36	8/20/24	1040	G	W	N	N	X	X											5	
PZ-18	8/20/24	1205	G	W	N	N	X	X											5	
PZ-19	8/20/24	1335	G	W	N	N	X	X											5	
MW-1805	8/20/24	1225	G	W	N	N	X	X											5	
PZ-32	8/20/24	1400	G	W	N	N	X	X											5	
PZ-31	8/20/24	1455	G	W	N	N	X	X											5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 8/23/24 1405	Company	Received by:	Date/Time: 8/23/24 1405	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: Arcadis U.S., Inc.

Job Number: 480-222812-1

Login Number: 222812
List Number: 1
Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.7, 5.4, 3.5 #1 ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	Arcadis US
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix C

Data Usability Summary Report

NYSEG Dansville
Former MGP Site

Data Usability Summary Report

Dansville MGP, New York

Volatile Organic Compound (VOC) and Semi-volatile Organic Compound (SVOC) Analyses

SDG # 480-222812-1

Analyses Performed By:
Eurofins Buffalo
Amherst, New York

Report # 55870R
Review Level: Tier III
Project: 30223879.2

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) # 480-222812-1 for samples collected in association with the NYSEG Dansville MGP Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
					VOC	SVOC	CYANIDE
MW-1806	480-222812-1	Water	8/21/2024		X	X	--
PZ-14	480-222812-2	Water	8/22/2024		X	X	--
PZ-35	480-222812-3	Water	8/21/2024		X	X	--
MW-1809	480-222812-4	Water	8/20/2024		X	X	--
MW-1807	480-222812-5	Water	8/21/2024		X	X	--
MW-04S	480-222812-6	Water	8/21/2024		X	X	--
PZ-13	480-222812-7	Water	8/21/2024		X	X	--
PZ-24	480-222812-8	Water	8/21/2024		X	X	--
MW-1801	480-222812-9	Water	8/21/2024		X	X	--
MW-1804	480-222812-10	Water	8/21/2024		X	X	--
MW-1803	480-222812-11	Water	8/21/2024		X	X	--
PZ-25R	480-222812-12	Water	8/21/2024		X	X	--
MW-1802	480-222812-13	Water	8/21/2024		X	X	--
MW-1808	480-222812-14	Water	8/21/2024		X	X	--
PZ-17	480-222812-15	Water	8/20/2024		X	X	--
PZ-29	480-222812-16	Water	8/20/2024		X	X	--
DUP-01-20240820	480-222812-17	Water	8/20/2024	MW-1810	X	X	--
MW-1810	480-222812-18	Water	8/20/2024		X	X	--
DUP-02-20240820	480-222812-19	Water	8/20/2024	PZ-17	X	X	--
PZ-36	480-222812-20	Water	8/20/2024		X	X	--
PZ-18	480-222812-21	Water	8/20/2024		X	X	--
PZ-19	480-222812-22	Water	8/20/2024		X	X	--
MW-1805	480-222812-23	Water	8/20/2024		X	X	--
PZ-32	480-222812-24	Water	8/20/2024		X	X	--
PZ-31	480-222812-25	Water	8/20/2024		X	X	--

Notes:

VOC = Volatile Organic Compounds

SVOC = Semi-volatile Organic Compounds

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:

QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260C and 8270D. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate and applicable Region II SOPs. USEPA NFGs and Region II SOPs were followed for qualification purposes.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound is considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u. with hydrochloric acid.

Note:
s.u. = standard units

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the initial calibrations were within the specified control limits.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the continuing calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on samples MW-1810 and PZ-17. The MS/MSD analysis exhibited acceptable recoveries and RPDs with the exceptions noted in the table below.

Sample ID	Compound	MS Recovery	MSD Recovery
MW-1810	Benzene	> UL	> UL

Notes:
AC Acceptable
UL Upper control limit

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound	Sample Result (µg/L)	Duplicate Result (µg/L)	RPD
MW-1810 / DUP-01-20240820	All target compounds	U	U	AC
PZ-17 / DUP-02-20240820	All target compounds	U	U	AC

Notes:
U = Non detect
AC = Acceptable

The calculated differences between the parent and field duplicate sample were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks/Field Blanks	X				X
C. Trip blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate (MSD) %R		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial calibration %Ds		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = Relative standard deviation
%R = Percent recovery
RPD = Relative percent difference
%D = Percent difference

Semi-volatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270D	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the initial calibrations were within the specified control limits.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the continuing calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that two of the three SVOC surrogate compounds within each fraction exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on samples where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on samples PZ-17 and MW-1810. The MS/MSD analysis exhibited acceptable recoveries and RPDs.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound	Sample Result (µg/L)	Duplicate Result (µg/L)	RPD
MW-1810 / DUP-01-20240820	All target compounds	U	U	AC
PZ-17 / DUP-02-20240820	All target compounds	U	U	AC

Note:
U = Non detect
AC = Acceptable

The calculated differences between the parent and field duplicate sample were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks/Field blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial calibration %Ds		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	CYANIDE	
480-222812-1	8/21/2024	SW846	MW-1806	Water	Yes	Yes	--	
	8/22/2024	SW846	PZ-14	Water	Yes	Yes	--	
	8/21/2024	SW846	PZ-35	Water	Yes	Yes	--	
	8/20/2024	SW846	MW-1809	Water	Yes	Yes	--	
	8/21/2024	SW846	MW-1807	Water	Yes	Yes	--	
	8/21/2024	SW846	MW-04S	Water	Yes	Yes	--	
	8/21/2024	SW846	PZ-13	Water	Yes	Yes	--	
	8/21/2024	SW846	PZ-24	Water	Yes	Yes	--	
	8/21/2024	SW846	MW-1801	Water	Yes	Yes	--	
	8/21/2024	SW846	MW-1804	Water	Yes	Yes	--	
	8/21/2024	SW846	MW-1803	Water	Yes	Yes	--	
	8/21/2024	SW846	PZ-25R	Water	Yes	Yes	--	
	8/21/2024	SW846	MW-1802	Water	Yes	Yes	--	
	8/21/2024	SW846	MW-1808	Water	Yes	Yes	--	
	8/20/2024	SW846	PZ-17	Water	Yes	Yes	--	
	8/20/2024	SW846	PZ-29	Water	Yes	Yes	--	
	8/20/2024	SW846	DUP-01-20240820	Water	Yes	Yes	--	
	8/20/2024	SW846	MW-1810	Water	Yes	Yes	--	
	8/20/2024	SW846	DUP-02-20240820	Water	Yes	Yes	--	
	8/20/2024	SW846	PZ-36	Water	Yes	Yes	--	
	8/20/2024	SW846	PZ-18	Water	Yes	Yes	--	

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	CYANIDE	
	8/20/2024	SW846	PZ-19	Water	Yes	Yes	--	
	8/20/2024	SW846	MW-1805	Water	Yes	Yes	--	
	8/20/2024	SW846	PZ-32	Water	Yes	Yes	--	
	8/20/2024	SW846	PZ-31	Water	Yes	Yes	--	

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant, or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Dilip Kumar

SIGNATURE: 

DATE: September 19, 2024

PEER REVIEW: Joe Houser

DATE: September 19, 2024

Chain of Custody Corrected Sample Analysis Data Sheets

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information

Client Contact: Nicholas Beyrle	Sampler: Adam Svensson B Kaitlyn Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-198091-37871.2
Company: Arcadis U.S., Inc.	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 4
Address: 295 Woodcliff Drive, Suite 301	PWSID:	Due Date Requested:		Job #:
City: Fairport		TAT Requested (days):		
State, Zip: NY, 14450		Compliance Project: Δ Yes Δ No		
Phone:		PO #: 4506628846		
Email: nicholas.beyrle@arcadis.com		WO #: NYSEG-Dansville/John Ruspantini		
Project Name: NYSEG - Dansville MGP		Project #: 48006864		
Site:		SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semivolatiles	8260C - BTEX	8260C - Trip Blank - BTEX	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	A	A		
MW-1806	8/21/24	1435	G	Water	N	N	X	X		5	
PZ-14	8/22/24	1345	G	Water	N	N	X	X		5	
PZ-35	8/21/24	1520	G	Water	N	N	X	X		5	
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							

Preservation Codes:
N - None
A - HCL
Other:

480-222812 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 8/23/24/1405	Company	Received by:	Date/Time: 8/23/24 1405	Company TA	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.7, 5.1, 3.5 #1 Ice

Ver: 04/02/2024

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing

Client Information

Client Contact: Nicholas Beyrle	Sampler: Kaitlyn Fleming & Adam Svensson	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-198091-37871.3
Company: Arcadis U.S., Inc.	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 3 of 4
Address: 295 Woodcliff Drive, Suite 301	PWSID:	Due Date Requested:		Job #:
City: Fairport		TAT Requested (days):		
State, Zip: NY, 14450		Compliance Project: Δ Yes Δ No		
Phone:		PO #: 4506628846		
Email: nicholas.beyrle@arcadis.com		WO #: NYSEG-Dansville/John Ruspantini		
Project Name: NYSEG - Dansville MGP		Project #: 48006864		
Site:		SSOW#:		

Analysis Requested

Preservation Codes: N - None; A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semivolatiles	8260C - BTEX	8260C - Trip Blank - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	A		
MW-1809	8/20/24	1455	G	Water	N	N	X	X		5	
MW-1807	8/21/24	0905	G	Water	N	N	X	X		5	
MW-045	8/21/24	0900	G	Water	N	N	X	X		5	
PZ-13	8/21/24	1005	G	Water	N	N	X	X		5	
PZ-24	8/21/24	1155	G	Water	N	N	X	X		5	
MW-1801	8/21/24	1045	G	Water	N	N	X	X		5	
MW-1804	8/21/24	1205	G	Water	N	N	X	X		5	
MW-1803	8/21/24	1305	G	Water	N	N	X	X		5	
PZ-25R	8/21/24	1325	G	Water	N	N	X	X		5	
MW-1802	8/21/24	1410	G	Water	N	N	X	X		5	
MW-1808	8/21/24	1435	G	Water	N	N	X	X		5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/23/24 1405	Company	Received by:		Date/Time: 8/23/24 1405	Company TA
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler: Adam Svensson B Kaitlyn Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-198091-37871.4
Client Contact: Nicholas Beyrle	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 4 of 4
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 295 Woodcliff Drive, Suite 301	Due Date Requested:			
City: Fairport	TAT Requested (days):			
State, Zip: NY, 14450	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4506628846			
Email: nicholas.beyrle@arcadis.com	WO #: NYSEG-Dansville/John Ruspantini			
Project Name: NYSEG - Dansville MGP	Project #: 48006864			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N - None; A - HCL

Other:

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semivolatiles	8260C - BTEX	8260C - Trip Blank - BTEX	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	A	A		
PZ-17	8/20/24	0910	G	Water	N	Y	X	X		15	ms/msd
PZ-29	8/20/24	0925	G	Water	N	N	X	X		5	
DUP-01-20240820	8/20/24	—	G	W	N	N	X	X		5	
MW-1810	8/20/24	1025	G	W	N	Y	X	X		15	ms/msd
DUP-02-20240820	8/20/24	—	G	W	N	N	X	X		5	
PZ-36	8/20/24	1040	G	W	N	N	X	X		5	
PZ-18	8/20/24	1205	G	W	N	N	X	X		5	
PZ-19	8/20/24	1335	G	W	N	N	X	X		5	
MW-1805	8/20/24	1225	G	W	N	N	X	X		5	
PZ-32	8/20/24	1400	G	W	N	N	X	X		5	
PZ-31	8/20/24	1455	G	W	N	N	X	X		5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 8/23/24 1405	Company	Received by:	Date/Time: 8/23/24 1405	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

Client Sample ID: MW-1806

Date Collected: 08/21/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-1

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		10	4.1	ug/L			08/23/24 22:34	10
Ethylbenzene	**23**		10	7.4	ug/L			08/23/24 22:34	10
Toluene	ND		10	5.1	ug/L			08/23/24 22:34	10
Xylenes, Total	**15**	**J**	20	6.6	ug/L			08/23/24 22:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/23/24 22:34*	*10*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*08/23/24 22:34*	*10*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/23/24 22:34*	*10*
Toluene-d8 (Surr)	*112*		*80 - 120*		*08/23/24 22:34*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		25	3.7	ug/L		08/26/24 13:06	08/27/24 13:26	5
2-Methylnaphthalene	ND		25	3.0	ug/L		08/26/24 13:06	08/27/24 13:26	5
Acenaphthene	ND		25	2.1	ug/L		08/26/24 13:06	08/27/24 13:26	5
Acenaphthylene	ND		25	1.9	ug/L		08/26/24 13:06	08/27/24 13:26	5
Anthracene	ND		25	1.4	ug/L		08/26/24 13:06	08/27/24 13:26	5
Benzo[a]anthracene	ND		25	1.8	ug/L		08/26/24 13:06	08/27/24 13:26	5
Benzo[a]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/27/24 13:26	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		08/26/24 13:06	08/27/24 13:26	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		08/26/24 13:06	08/27/24 13:26	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		08/26/24 13:06	08/27/24 13:26	5
Chrysene	ND		25	1.7	ug/L		08/26/24 13:06	08/27/24 13:26	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		08/26/24 13:06	08/27/24 13:26	5
Fluoranthene	ND		25	2.0	ug/L		08/26/24 13:06	08/27/24 13:26	5
Fluorene	ND		25	1.8	ug/L		08/26/24 13:06	08/27/24 13:26	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/27/24 13:26	5
Naphthalene	ND		25	3.8	ug/L		08/26/24 13:06	08/27/24 13:26	5
Phenanthrene	ND		25	2.2	ug/L		08/26/24 13:06	08/27/24 13:26	5
Pyrene	ND		25	1.7	ug/L		08/26/24 13:06	08/27/24 13:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*53 - 126*	*08/26/24 13:06*	*08/27/24 13:26*	*5*
Nitrobenzene-d5 (Surr)	*61*		*29 - 129*	*08/26/24 13:06*	*08/27/24 13:26*	*5*
p-Terphenyl-d14 (Surr)	*61*		*33 - 132*	*08/26/24 13:06*	*08/27/24 13:26*	*5*

Client Sample ID: PZ-14

Date Collected: 08/22/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-2

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/23/24 22:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/23/24 22:57	1
Toluene	ND		1.0	0.51	ug/L			08/23/24 22:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/23/24 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*08/23/24 22:57*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*08/23/24 22:57*	*1*

Client Sample ID: PZ-14
Lab Sample ID: 480-222812-2
Date Collected: 08/22/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/23/24 22:57*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*08/23/24 22:57*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 13:53	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 13:53	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 13:53	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 13:53	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 13:53	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 13:53	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 13:53	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 13:53	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 13:53	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 13:53	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 13:53	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 13:53	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 13:53	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 13:53	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 13:53	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 13:53	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 13:53	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*53 - 126*	*08/26/24 13:06*	*08/27/24 13:53*	*1*
Nitrobenzene-d5 (Surr)	*64*		*29 - 129*	*08/26/24 13:06*	*08/27/24 13:53*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*08/26/24 13:06*	*08/27/24 13:53*	*1*

Client Sample ID: PZ-35
Lab Sample ID: 480-222812-3
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/23/24 23:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/23/24 23:19	1
Toluene	ND		1.0	0.51	ug/L			08/23/24 23:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/23/24 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*08/23/24 23:19*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/23/24 23:19*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*08/23/24 23:19*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/23/24 23:19*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.2	0.76	ug/L		08/26/24 13:06	08/27/24 14:21	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		08/26/24 13:06	08/27/24 14:21	1

Client Sample ID: PZ-35
Lab Sample ID: 480-222812-3
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.2	0.43	ug/L		08/26/24 13:06	08/27/24 14:21	1
Acenaphthylene	ND		5.2	0.40	ug/L		08/26/24 13:06	08/27/24 14:21	1
Anthracene	ND		5.2	0.29	ug/L		08/26/24 13:06	08/27/24 14:21	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		08/26/24 13:06	08/27/24 14:21	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		08/26/24 13:06	08/27/24 14:21	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		08/26/24 13:06	08/27/24 14:21	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		08/26/24 13:06	08/27/24 14:21	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		08/26/24 13:06	08/27/24 14:21	1
Chrysene	ND		5.2	0.34	ug/L		08/26/24 13:06	08/27/24 14:21	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		08/26/24 13:06	08/27/24 14:21	1
Fluoranthene	ND		5.2	0.42	ug/L		08/26/24 13:06	08/27/24 14:21	1
Fluorene	ND		5.2	0.38	ug/L		08/26/24 13:06	08/27/24 14:21	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		08/26/24 13:06	08/27/24 14:21	1
Naphthalene	ND		5.2	0.79	ug/L		08/26/24 13:06	08/27/24 14:21	1
Phenanthrene	ND		5.2	0.46	ug/L		08/26/24 13:06	08/27/24 14:21	1
Pyrene	ND		5.2	0.35	ug/L		08/26/24 13:06	08/27/24 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*53 - 126*	*08/26/24 13:06*	*08/27/24 14:21*	*1*
Nitrobenzene-d5 (Surr)	*74*		*29 - 129*	*08/26/24 13:06*	*08/27/24 14:21*	*1*
p-Terphenyl-d14 (Surr)	*70*		*33 - 132*	*08/26/24 13:06*	*08/27/24 14:21*	*1*

Client Sample ID: MW-1809
Lab Sample ID: 480-222812-4
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/23/24 23:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/23/24 23:41	1
Toluene	ND		1.0	0.51	ug/L			08/23/24 23:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/23/24 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*08/23/24 23:41*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*08/23/24 23:41*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/23/24 23:41*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/23/24 23:41*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 14:48	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 14:48	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 14:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 14:48	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 14:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 14:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 14:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 14:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 14:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 14:48	1

Client Sample ID: MW-1809
Lab Sample ID: 480-222812-4
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 14:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 14:48	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 14:48	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 14:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 14:48	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 14:48	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 14:48	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*53 - 126*	*08/26/24 13:06*	*08/27/24 14:48*	*1*
Nitrobenzene-d5 (Surr)	*66*		*29 - 129*	*08/26/24 13:06*	*08/27/24 14:48*	*1*
p-Terphenyl-d14 (Surr)	*87*		*33 - 132*	*08/26/24 13:06*	*08/27/24 14:48*	*1*

Client Sample ID: MW-1807
Lab Sample ID: 480-222812-5
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.8**		2.0	0.82	ug/L			08/24/24 00:03	2
Ethylbenzene	ND		2.0	1.5	ug/L			08/24/24 00:03	2
Toluene	ND		2.0	1.0	ug/L			08/24/24 00:03	2
Xylenes, Total	ND		4.0	1.3	ug/L			08/24/24 00:03	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*08/24/24 00:03*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/24/24 00:03*	*2*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/24/24 00:03*	*2*
Toluene-d8 (Surr)	*112*		*80 - 120*		*08/24/24 00:03*	*2*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 15:16	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 15:16	1
Acenaphthene	**17**		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 15:16	1
Acenaphthylene	**1.9**	**J**	5.0	0.38	ug/L		08/26/24 13:06	08/27/24 15:16	1
Anthracene	**0.69**	**J**	5.0	0.28	ug/L		08/26/24 13:06	08/27/24 15:16	1
Benzo[a]anthracene	**0.36**	**J**	5.0	0.36	ug/L		08/26/24 13:06	08/27/24 15:16	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 15:16	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 15:16	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 15:16	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 15:16	1
Chrysene	**0.40**	**J**	5.0	0.33	ug/L		08/26/24 13:06	08/27/24 15:16	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 15:16	1
Fluoranthene	**3.6**	**J**	5.0	0.40	ug/L		08/26/24 13:06	08/27/24 15:16	1
Fluorene	**6.6**		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 15:16	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 15:16	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 15:16	1
Phenanthrene	**0.51**	**J**	5.0	0.44	ug/L		08/26/24 13:06	08/27/24 15:16	1
Pyrene	**3.7**	**J**	5.0	0.34	ug/L		08/26/24 13:06	08/27/24 15:16	1

Client Sample ID: MW-1807
Lab Sample ID: 480-222812-5

Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*53 - 126*	*08/26/24 13:06*	*08/27/24 15:16*	*1*
Nitrobenzene-d5 (Surr)	*76*		*29 - 129*	*08/26/24 13:06*	*08/27/24 15:16*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*08/26/24 13:06*	*08/27/24 15:16*	*1*

Client Sample ID: MW-04S
Lab Sample ID: 480-222812-6

Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**39**		10	4.1	ug/L			08/24/24 00:25	10
Ethylbenzene	**120**		10	7.4	ug/L			08/24/24 00:25	10
Toluene	ND		10	5.1	ug/L			08/24/24 00:25	10
Xylenes, Total	**32**		20	6.6	ug/L			08/24/24 00:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*08/24/24 00:25*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/24/24 00:25*	*10*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/24/24 00:25*	*10*
Toluene-d8 (Surr)	*112*		*80 - 120*		*08/24/24 00:25*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**160**		50	7.3	ug/L		08/26/24 13:06	08/27/24 15:43	10
2-Methylnaphthalene	ND		50	6.0	ug/L		08/26/24 13:06	08/27/24 15:43	10
Acenaphthene	**140**		50	4.1	ug/L		08/26/24 13:06	08/27/24 15:43	10
Acenaphthylene	**6.4**	**J**	50	3.8	ug/L		08/26/24 13:06	08/27/24 15:43	10
Anthracene	**8.1**	**J**	50	2.8	ug/L		08/26/24 13:06	08/27/24 15:43	10
Benzo[a]anthracene	ND		50	3.6	ug/L		08/26/24 13:06	08/27/24 15:43	10
Benzo[a]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 15:43	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		08/26/24 13:06	08/27/24 15:43	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		08/26/24 13:06	08/27/24 15:43	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		08/26/24 13:06	08/27/24 15:43	10
Chrysene	ND		50	3.3	ug/L		08/26/24 13:06	08/27/24 15:43	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		08/26/24 13:06	08/27/24 15:43	10
Fluoranthene	**5.2**	**J**	50	4.0	ug/L		08/26/24 13:06	08/27/24 15:43	10
Fluorene	**41**	**J**	50	3.6	ug/L		08/26/24 13:06	08/27/24 15:43	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 15:43	10
Naphthalene	ND		50	7.6	ug/L		08/26/24 13:06	08/27/24 15:43	10
Phenanthrene	**30**	**J**	50	4.4	ug/L		08/26/24 13:06	08/27/24 15:43	10
Pyrene	**5.3**	**J**	50	3.4	ug/L		08/26/24 13:06	08/27/24 15:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*53 - 126*	*08/26/24 13:06*	*08/27/24 15:43*	*10*
Nitrobenzene-d5 (Surr)	*69*		*29 - 129*	*08/26/24 13:06*	*08/27/24 15:43*	*10*
p-Terphenyl-d14 (Surr)	*61*		*33 - 132*	*08/26/24 13:06*	*08/27/24 15:43*	*10*

Client Sample ID: PZ-13
Lab Sample ID: 480-222812-7
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 00:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 00:47	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 00:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/24/24 00:47*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/24/24 00:47*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/24/24 00:47*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*08/24/24 00:47*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 16:11	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 16:11	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 16:11	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 16:11	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 16:11	1
Benzo[a]anthracene	**0.56**	**J**	5.0	0.36	ug/L		08/26/24 13:06	08/27/24 16:11	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 16:11	1
Benzo[b]fluoranthene	**0.51**	**J**	5.0	0.34	ug/L		08/26/24 13:06	08/27/24 16:11	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 16:11	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 16:11	1
Chrysene	**0.53**	**J**	5.0	0.33	ug/L		08/26/24 13:06	08/27/24 16:11	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 16:11	1
Fluoranthene	**1.2**	**J**	5.0	0.40	ug/L		08/26/24 13:06	08/27/24 16:11	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 16:11	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 16:11	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 16:11	1
Phenanthrene	**0.76**	**J**	5.0	0.44	ug/L		08/26/24 13:06	08/27/24 16:11	1
Pyrene	**0.96**	**J**	5.0	0.34	ug/L		08/26/24 13:06	08/27/24 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*53 - 126*	*08/26/24 13:06*	*08/27/24 16:11*	*1*
Nitrobenzene-d5 (Surr)	*71*		*29 - 129*	*08/26/24 13:06*	*08/27/24 16:11*	*1*
p-Terphenyl-d14 (Surr)	*81*		*33 - 132*	*08/26/24 13:06*	*08/27/24 16:11*	*1*

Client Sample ID: PZ-24
Lab Sample ID: 480-222812-8
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.83**	**J**	1.0	0.41	ug/L			08/24/24 01:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 01:09	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 01:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*08/24/24 01:09*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*08/24/24 01:09*	*1*

Client Sample ID: PZ-24
Lab Sample ID: 480-222812-8
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/24/24 01:09*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/24/24 01:09*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.2	0.76	ug/L		08/26/24 13:06	08/27/24 16:38	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		08/26/24 13:06	08/27/24 16:38	1
Acenaphthene	ND		5.2	0.43	ug/L		08/26/24 13:06	08/27/24 16:38	1
Acenaphthylene	ND		5.2	0.40	ug/L		08/26/24 13:06	08/27/24 16:38	1
Anthracene	ND		5.2	0.29	ug/L		08/26/24 13:06	08/27/24 16:38	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		08/26/24 13:06	08/27/24 16:38	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		08/26/24 13:06	08/27/24 16:38	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		08/26/24 13:06	08/27/24 16:38	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		08/26/24 13:06	08/27/24 16:38	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		08/26/24 13:06	08/27/24 16:38	1
Chrysene	ND		5.2	0.34	ug/L		08/26/24 13:06	08/27/24 16:38	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		08/26/24 13:06	08/27/24 16:38	1
Fluoranthene	ND		5.2	0.42	ug/L		08/26/24 13:06	08/27/24 16:38	1
Fluorene	ND		5.2	0.38	ug/L		08/26/24 13:06	08/27/24 16:38	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		08/26/24 13:06	08/27/24 16:38	1
Naphthalene	ND		5.2	0.79	ug/L		08/26/24 13:06	08/27/24 16:38	1
Phenanthrene	ND		5.2	0.46	ug/L		08/26/24 13:06	08/27/24 16:38	1
Pyrene	ND		5.2	0.35	ug/L		08/26/24 13:06	08/27/24 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*53 - 126*	*08/26/24 13:06*	*08/27/24 16:38*	*1*
Nitrobenzene-d5 (Surr)	*73*		*29 - 129*	*08/26/24 13:06*	*08/27/24 16:38*	*1*
p-Terphenyl-d14 (Surr)	*76*		*33 - 132*	*08/26/24 13:06*	*08/27/24 16:38*	*1*

Client Sample ID: MW-1801
Lab Sample ID: 480-222812-9
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**35**		5.0	2.1	ug/L			08/24/24 01:31	5
Ethylbenzene	**180**		5.0	3.7	ug/L			08/24/24 01:31	5
Toluene	**5.0**		5.0	2.6	ug/L			08/24/24 01:31	5
Xylenes, Total	**51**		10	3.3	ug/L			08/24/24 01:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*08/24/24 01:31*	*5*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*08/24/24 01:31*	*5*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/24/24 01:31*	*5*
Toluene-d8 (Surr)	*110*		*80 - 120*		*08/24/24 01:31*	*5*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**170**		50	7.3	ug/L		08/26/24 13:06	08/27/24 17:06	10
2-Methylnaphthalene	ND		50	6.0	ug/L		08/26/24 13:06	08/27/24 17:06	10

Client Sample ID: MW-1801
Lab Sample ID: 480-222812-9
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**94**		50	4.1	ug/L		08/26/24 13:06	08/27/24 17:06	10
Acenaphthylene	**6.7**	**J**	50	3.8	ug/L		08/26/24 13:06	08/27/24 17:06	10
Anthracene	**8.8**	**J**	50	2.8	ug/L		08/26/24 13:06	08/27/24 17:06	10
Benzo[a]anthracene	ND		50	3.6	ug/L		08/26/24 13:06	08/27/24 17:06	10
Benzo[a]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 17:06	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		08/26/24 13:06	08/27/24 17:06	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		08/26/24 13:06	08/27/24 17:06	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		08/26/24 13:06	08/27/24 17:06	10
Chrysene	ND		50	3.3	ug/L		08/26/24 13:06	08/27/24 17:06	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		08/26/24 13:06	08/27/24 17:06	10
Fluoranthene	**5.1**	**J**	50	4.0	ug/L		08/26/24 13:06	08/27/24 17:06	10
Fluorene	**32**	**J**	50	3.6	ug/L		08/26/24 13:06	08/27/24 17:06	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 17:06	10
Naphthalene	**8.7**	**J**	50	7.6	ug/L		08/26/24 13:06	08/27/24 17:06	10
Phenanthrene	**39**	**J**	50	4.4	ug/L		08/26/24 13:06	08/27/24 17:06	10
Pyrene	**5.9**	**J**	50	3.4	ug/L		08/26/24 13:06	08/27/24 17:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*53 - 126*	*08/26/24 13:06*	*08/27/24 17:06*	*10*
Nitrobenzene-d5 (Surr)	*70*		*29 - 129*	*08/26/24 13:06*	*08/27/24 17:06*	*10*
p-Terphenyl-d14 (Surr)	*60*		*33 - 132*	*08/26/24 13:06*	*08/27/24 17:06*	*10*

Client Sample ID: MW-1804
Lab Sample ID: 480-222812-10
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 01:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 01:54	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 01:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*08/24/24 01:54*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/24/24 01:54*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*08/24/24 01:54*	*1*
Toluene-d8 (Surr)	*114*		*80 - 120*		*08/24/24 01:54*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 17:33	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 17:33	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 17:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 17:33	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 17:33	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 17:33	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 17:33	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 17:33	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 17:33	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 17:33	1

Client Sample ID: MW-1804
Lab Sample ID: 480-222812-10
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 17:33	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 17:33	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 17:33	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 17:33	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 17:33	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 17:33	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 17:33	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*53 - 126*	*08/26/24 13:06*	*08/27/24 17:33*	*1*
Nitrobenzene-d5 (Surr)	*65*		*29 - 129*	*08/26/24 13:06*	*08/27/24 17:33*	*1*
p-Terphenyl-d14 (Surr)	*79*		*33 - 132*	*08/26/24 13:06*	*08/27/24 17:33*	*1*

Client Sample ID: MW-1803
Lab Sample ID: 480-222812-11
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		10	4.1	ug/L			08/24/24 02:16	10
Ethylbenzene	**76**		10	7.4	ug/L			08/24/24 02:16	10
Toluene	ND		10	5.1	ug/L			08/24/24 02:16	10
Xylenes, Total	**42**		20	6.6	ug/L			08/24/24 02:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/24/24 02:16*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/24/24 02:16*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/24/24 02:16*	*10*
Toluene-d8 (Surr)	*114*		*80 - 120*		*08/24/24 02:16*	*10*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		50	7.3	ug/L		08/26/24 13:06	08/27/24 18:01	10
2-Methylnaphthalene	ND		50	6.0	ug/L		08/26/24 13:06	08/27/24 18:01	10
Acenaphthene	ND		50	4.1	ug/L		08/26/24 13:06	08/27/24 18:01	10
Acenaphthylene	ND		50	3.8	ug/L		08/26/24 13:06	08/27/24 18:01	10
Anthracene	ND		50	2.8	ug/L		08/26/24 13:06	08/27/24 18:01	10
Benzo[a]anthracene	ND		50	3.6	ug/L		08/26/24 13:06	08/27/24 18:01	10
Benzo[a]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 18:01	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		08/26/24 13:06	08/27/24 18:01	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		08/26/24 13:06	08/27/24 18:01	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		08/26/24 13:06	08/27/24 18:01	10
Chrysene	ND		50	3.3	ug/L		08/26/24 13:06	08/27/24 18:01	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		08/26/24 13:06	08/27/24 18:01	10
Fluoranthene	ND		50	4.0	ug/L		08/26/24 13:06	08/27/24 18:01	10
Fluorene	ND		50	3.6	ug/L		08/26/24 13:06	08/27/24 18:01	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 18:01	10
Naphthalene	ND		50	7.6	ug/L		08/26/24 13:06	08/27/24 18:01	10
Phenanthrene	ND		50	4.4	ug/L		08/26/24 13:06	08/27/24 18:01	10
Pyrene	ND		50	3.4	ug/L		08/26/24 13:06	08/27/24 18:01	10

Client Sample ID: MW-1803
Lab Sample ID: 480-222812-11

Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*68*		*53 - 126*	*08/26/24 13:06*	*08/27/24 18:01*	*10*
Nitrobenzene-d5 (Surr)	*65*		*29 - 129*	*08/26/24 13:06*	*08/27/24 18:01*	*10*
p-Terphenyl-d14 (Surr)	*60*		*33 - 132*	*08/26/24 13:06*	*08/27/24 18:01*	*10*

Client Sample ID: PZ-25R
Lab Sample ID: 480-222812-12

Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.8**		1.0	0.41	ug/L			08/24/24 02:38	1
Ethylbenzene	**6.7**		1.0	0.74	ug/L			08/24/24 02:38	1
Toluene	**2.4**		1.0	0.51	ug/L			08/24/24 02:38	1
Xylenes, Total	**12**		2.0	0.66	ug/L			08/24/24 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*08/24/24 02:38*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/24/24 02:38*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/24/24 02:38*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*08/24/24 02:38*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**2.8**	**J**	5.0	0.73	ug/L		08/26/24 13:06	08/27/24 18:28	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 18:28	1
Acenaphthene	**0.45**	**J**	5.0	0.41	ug/L		08/26/24 13:06	08/27/24 18:28	1
Acenaphthylene	**1.6**	**J**	5.0	0.38	ug/L		08/26/24 13:06	08/27/24 18:28	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 18:28	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 18:28	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 18:28	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 18:28	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 18:28	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 18:28	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 18:28	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 18:28	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 18:28	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 18:28	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 18:28	1
Naphthalene	**0.99**	**J**	5.0	0.76	ug/L		08/26/24 13:06	08/27/24 18:28	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 18:28	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*92*		*53 - 126*	*08/26/24 13:06*	*08/27/24 18:28*	*1*
Nitrobenzene-d5 (Surr)	*78*		*29 - 129*	*08/26/24 13:06*	*08/27/24 18:28*	*1*
p-Terphenyl-d14 (Surr)	*83*		*33 - 132*	*08/26/24 13:06*	*08/27/24 18:28*	*1*

Client Sample ID: MW-1802
Lab Sample ID: 480-222812-13
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/26/24 14:02	1
Ethylbenzene	**0.96**	**J**	1.0	0.74	ug/L			08/26/24 14:02	1
Toluene	ND		1.0	0.51	ug/L			08/26/24 14:02	1
Xylenes, Total	**3.3**		2.0	0.66	ug/L			08/26/24 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/26/24 14:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/26/24 14:02*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/26/24 14:02*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*08/26/24 14:02*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		25	3.7	ug/L		08/26/24 13:06	08/28/24 12:21	5
2-Methylnaphthalene	ND		25	3.0	ug/L		08/26/24 13:06	08/28/24 12:21	5
Acenaphthene	ND		25	2.1	ug/L		08/26/24 13:06	08/28/24 12:21	5
Acenaphthylene	ND		25	1.9	ug/L		08/26/24 13:06	08/28/24 12:21	5
Anthracene	ND		25	1.4	ug/L		08/26/24 13:06	08/28/24 12:21	5
Benzo[a]anthracene	ND		25	1.8	ug/L		08/26/24 13:06	08/28/24 12:21	5
Benzo[a]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/28/24 12:21	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		08/26/24 13:06	08/28/24 12:21	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		08/26/24 13:06	08/28/24 12:21	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		08/26/24 13:06	08/28/24 12:21	5
Chrysene	ND		25	1.7	ug/L		08/26/24 13:06	08/28/24 12:21	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		08/26/24 13:06	08/28/24 12:21	5
Fluoranthene	ND		25	2.0	ug/L		08/26/24 13:06	08/28/24 12:21	5
Fluorene	ND		25	1.8	ug/L		08/26/24 13:06	08/28/24 12:21	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/28/24 12:21	5
Naphthalene	ND		25	3.8	ug/L		08/26/24 13:06	08/28/24 12:21	5
Phenanthrene	ND		25	2.2	ug/L		08/26/24 13:06	08/28/24 12:21	5
Pyrene	**1.7**	**J**	25	1.7	ug/L		08/26/24 13:06	08/28/24 12:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*53 - 126*	*08/26/24 13:06*	*08/28/24 12:21*	*5*
Nitrobenzene-d5 (Surr)	*58*		*29 - 129*	*08/26/24 13:06*	*08/28/24 12:21*	*5*
p-Terphenyl-d14 (Surr)	*51*		*33 - 132*	*08/26/24 13:06*	*08/28/24 12:21*	*5*

Client Sample ID: MW-1808
Lab Sample ID: 480-222812-14
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.4**		5.0	2.1	ug/L			08/24/24 03:22	5
Ethylbenzene	**6.9**		5.0	3.7	ug/L			08/24/24 03:22	5
Toluene	ND		5.0	2.6	ug/L			08/24/24 03:22	5
Xylenes, Total	**5.5**	**J**	10	3.3	ug/L			08/24/24 03:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/24/24 03:22*	*5*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*08/24/24 03:22*	*5*

Client Sample ID: MW-1808
Lab Sample ID: 480-222812-14
Date Collected: 08/21/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/24/24 03:22*	*5*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/24/24 03:22*	*5*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**75**		25	3.7	ug/L		08/26/24 13:06	08/27/24 19:23	5
2-Methylnaphthalene	ND		25	3.0	ug/L		08/26/24 13:06	08/27/24 19:23	5
Acenaphthene	**54**		25	2.1	ug/L		08/26/24 13:06	08/27/24 19:23	5
Acenaphthylene	**6.0**	**J**	25	1.9	ug/L		08/26/24 13:06	08/27/24 19:23	5
Anthracene	**1.8**	**J**	25	1.4	ug/L		08/26/24 13:06	08/27/24 19:23	5
Benzo[a]anthracene	ND		25	1.8	ug/L		08/26/24 13:06	08/27/24 19:23	5
Benzo[a]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/27/24 19:23	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		08/26/24 13:06	08/27/24 19:23	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		08/26/24 13:06	08/27/24 19:23	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		08/26/24 13:06	08/27/24 19:23	5
Chrysene	ND		25	1.7	ug/L		08/26/24 13:06	08/27/24 19:23	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		08/26/24 13:06	08/27/24 19:23	5
Fluoranthene	ND		25	2.0	ug/L		08/26/24 13:06	08/27/24 19:23	5
Fluorene	**15**	**J**	25	1.8	ug/L		08/26/24 13:06	08/27/24 19:23	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		08/26/24 13:06	08/27/24 19:23	5
Naphthalene	ND		25	3.8	ug/L		08/26/24 13:06	08/27/24 19:23	5
Phenanthrene	ND		25	2.2	ug/L		08/26/24 13:06	08/27/24 19:23	5
Pyrene	**2.3**	**J**	25	1.7	ug/L		08/26/24 13:06	08/27/24 19:23	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*74*		*53 - 126*	*08/26/24 13:06*	*08/27/24 19:23*	*5*
Nitrobenzene-d5 (Surr)	*60*		*29 - 129*	*08/26/24 13:06*	*08/27/24 19:23*	*5*
p-Terphenyl-d14 (Surr)	*56*		*33 - 132*	*08/26/24 13:06*	*08/27/24 19:23*	*5*

Client Sample ID: PZ-17
Lab Sample ID: 480-222812-15
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 03:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 03:44	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 03:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*08/24/24 03:44*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*08/24/24 03:44*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/24/24 03:44*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*08/24/24 03:44*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 12:58	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 12:58	1

Client Sample ID: PZ-17
Lab Sample ID: 480-222812-15
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 12:58	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 12:58	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 12:58	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 12:58	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 12:58	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 12:58	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 12:58	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 12:58	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 12:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 12:58	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 12:58	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 12:58	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 12:58	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 12:58	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 12:58	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*53 - 126*	*08/26/24 13:06*	*08/27/24 12:58*	*1*
Nitrobenzene-d5 (Surr)	*65*		*29 - 129*	*08/26/24 13:06*	*08/27/24 12:58*	*1*
p-Terphenyl-d14 (Surr)	*81*		*33 - 132*	*08/26/24 13:06*	*08/27/24 12:58*	*1*

Client Sample ID: PZ-29
Lab Sample ID: 480-222812-16
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 04:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 04:06	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 04:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*08/24/24 04:06*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/24/24 04:06*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/24/24 04:06*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*08/24/24 04:06*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 18:38	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 18:38	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 18:38	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/27/24 07:39	08/28/24 18:38	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 18:38	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 18:38	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 18:38	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 18:38	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 18:38	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 18:38	1

Client Sample ID: PZ-29
Lab Sample ID: 480-222812-16
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 18:38	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 18:38	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 18:38	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 18:38	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 18:38	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 18:38	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 18:38	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*99*		*53 - 126*	*08/27/24 07:39*	*08/28/24 18:38*	*1*
Nitrobenzene-d5 (Surr)	*75*		*29 - 129*	*08/27/24 07:39*	*08/28/24 18:38*	*1*
p-Terphenyl-d14 (Surr)	*82*		*33 - 132*	*08/27/24 07:39*	*08/28/24 18:38*	*1*

Client Sample ID: DUP-01-20240820
Lab Sample ID: 480-222812-17
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/26/24 19:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/24 19:34	1
Toluene	ND		1.0	0.51	ug/L			08/26/24 19:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/26/24 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*08/26/24 19:34*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*08/26/24 19:34*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*08/26/24 19:34*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/26/24 19:34*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:05	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 19:05	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 19:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/27/24 07:39	08/28/24 19:05	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 19:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 19:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:05	1
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 19:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 19:05	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 19:05	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:05	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 19:05	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 19:05	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:05	1

Client Sample ID: DUP-01-20240820
Lab Sample ID: 480-222812-17

Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*53 - 126*	*08/27/24 07:39*	*08/28/24 19:05*	*1*
Nitrobenzene-d5 (Surr)	*72*		*29 - 129*	*08/27/24 07:39*	*08/28/24 19:05*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*08/27/24 07:39*	*08/28/24 19:05*	*1*

Client Sample ID: MW-1810
Lab Sample ID: 480-222812-18

Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F1	1.0	0.41	ug/L			08/24/24 03:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 03:00	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 03:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*08/24/24 03:00*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*08/24/24 03:00*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*08/24/24 03:00*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*08/24/24 03:00*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:31	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 19:31	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 19:31	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/27/24 07:39	08/28/24 19:31	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 19:31	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:31	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:31	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:31	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 19:31	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:31	1
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 19:31	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 19:31	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 19:31	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:31	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:31	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 19:31	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 19:31	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*53 - 126*	*08/27/24 07:39*	*08/28/24 19:31*	*1*
Nitrobenzene-d5 (Surr)	*73*		*29 - 129*	*08/27/24 07:39*	*08/28/24 19:31*	*1*
p-Terphenyl-d14 (Surr)	*84*		*33 - 132*	*08/27/24 07:39*	*08/28/24 19:31*	*1*

Client Sample ID: DUP-02-20240820
Lab Sample ID: 480-222812-19

Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/26/24 19:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/26/24 19:57	1
Toluene	ND		1.0	0.51	ug/L			08/26/24 19:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/26/24 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*08/26/24 19:57*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*08/26/24 19:57*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*08/26/24 19:57*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/26/24 19:57*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 19:51	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 19:51	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 19:51	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 19:51	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 19:51	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 19:51	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 19:51	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 19:51	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 19:51	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 19:51	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 19:51	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 19:51	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 19:51	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 19:51	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 19:51	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 19:51	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 19:51	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*53 - 126*	*08/26/24 13:06*	*08/27/24 19:51*	*1*
Nitrobenzene-d5 (Surr)	*63*		*29 - 129*	*08/26/24 13:06*	*08/27/24 19:51*	*1*
p-Terphenyl-d14 (Surr)	*90*		*33 - 132*	*08/26/24 13:06*	*08/27/24 19:51*	*1*

Client Sample ID: PZ-36
Lab Sample ID: 480-222812-20

Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**8.4**		1.0	0.41	ug/L			08/24/24 03:47	1
Ethylbenzene	**9.4**		1.0	0.74	ug/L			08/24/24 03:47	1
Toluene	**0.71**	**J**	1.0	0.51	ug/L			08/24/24 03:47	1
Xylenes, Total	**1.8**	**J**	2.0	0.66	ug/L			08/24/24 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*08/24/24 03:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*08/24/24 03:47*	*1*

Client Sample ID: PZ-36
Lab Sample ID: 480-222812-20
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*08/24/24 03:47*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/24/24 03:47*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**1.6**	**J**	5.0	0.73	ug/L		08/26/24 13:06	08/27/24 20:18	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 20:18	1
Acenaphthene	**22**		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 20:18	1
Acenaphthylene	**5.4**		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 20:18	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 20:18	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 20:18	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 20:18	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 20:18	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 20:18	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 20:18	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 20:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 20:18	1
Fluoranthene	**2.2**	**J**	5.0	0.40	ug/L		08/26/24 13:06	08/27/24 20:18	1
Fluorene	**1.4**	**J**	5.0	0.36	ug/L		08/26/24 13:06	08/27/24 20:18	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 20:18	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 20:18	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 20:18	1
Pyrene	**2.9**	**J**	5.0	0.34	ug/L		08/26/24 13:06	08/27/24 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*68*		*53 - 126*	*08/26/24 13:06*	*08/27/24 20:18*	*1*
Nitrobenzene-d5 (Surr)	*62*		*29 - 129*	*08/26/24 13:06*	*08/27/24 20:18*	*1*
p-Terphenyl-d14 (Surr)	*74*		*33 - 132*	*08/26/24 13:06*	*08/27/24 20:18*	*1*

Client Sample ID: PZ-18
Lab Sample ID: 480-222812-21
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**160**		2.0	0.82	ug/L			08/27/24 13:15	2
Ethylbenzene	ND		2.0	1.5	ug/L			08/27/24 13:15	2
Toluene	ND		2.0	1.0	ug/L			08/27/24 13:15	2
Xylenes, Total	ND		4.0	1.3	ug/L			08/27/24 13:15	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*08/27/24 13:15*	*2*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*08/27/24 13:15*	*2*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*08/27/24 13:15*	*2*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/27/24 13:15*	*2*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 20:46	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 20:46	1

Client Sample ID: PZ-18
Lab Sample ID: 480-222812-21
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 20:46	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 20:46	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 20:46	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 20:46	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 20:46	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 20:46	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 20:46	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 20:46	1
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 20:46	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 20:46	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 20:46	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 20:46	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 20:46	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 20:46	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 20:46	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*53 - 126*	*08/26/24 13:06*	*08/27/24 20:46*	*1*
Nitrobenzene-d5 (Surr)	*60*		*29 - 129*	*08/26/24 13:06*	*08/27/24 20:46*	*1*
p-Terphenyl-d14 (Surr)	*86*		*33 - 132*	*08/26/24 13:06*	*08/27/24 20:46*	*1*

Client Sample ID: PZ-19
Lab Sample ID: 480-222812-22
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 04:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 04:34	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 04:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*08/24/24 04:34*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*08/24/24 04:34*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*08/24/24 04:34*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/24/24 04:34*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 21:13	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/26/24 13:06	08/27/24 21:13	1
Acenaphthene	ND		5.0	0.41	ug/L		08/26/24 13:06	08/27/24 21:13	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/26/24 13:06	08/27/24 21:13	1
Anthracene	ND		5.0	0.28	ug/L		08/26/24 13:06	08/27/24 21:13	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 21:13	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 21:13	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 21:13	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/26/24 13:06	08/27/24 21:13	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/26/24 13:06	08/27/24 21:13	1

Client Sample ID: PZ-19
Lab Sample ID: 480-222812-22
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		08/26/24 13:06	08/27/24 21:13	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/26/24 13:06	08/27/24 21:13	1
Fluoranthene	ND		5.0	0.40	ug/L		08/26/24 13:06	08/27/24 21:13	1
Fluorene	ND		5.0	0.36	ug/L		08/26/24 13:06	08/27/24 21:13	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/26/24 13:06	08/27/24 21:13	1
Naphthalene	ND		5.0	0.76	ug/L		08/26/24 13:06	08/27/24 21:13	1
Phenanthrene	ND		5.0	0.44	ug/L		08/26/24 13:06	08/27/24 21:13	1
Pyrene	ND		5.0	0.34	ug/L		08/26/24 13:06	08/27/24 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*53 - 126*	*08/26/24 13:06*	*08/27/24 21:13*	*1*
Nitrobenzene-d5 (Surr)	*73*		*29 - 129*	*08/26/24 13:06*	*08/27/24 21:13*	*1*
p-Terphenyl-d14 (Surr)	*85*		*33 - 132*	*08/26/24 13:06*	*08/27/24 21:13*	*1*

Client Sample ID: MW-1805
Lab Sample ID: 480-222812-23
Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**56**		5.0	2.1	ug/L			08/24/24 04:58	5
Ethylbenzene	**110**		5.0	3.7	ug/L			08/24/24 04:58	5
Toluene	**4.6**	**J**	5.0	2.6	ug/L			08/24/24 04:58	5
Xylenes, Total	**33**		10	3.3	ug/L			08/24/24 04:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*08/24/24 04:58*	*5*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*08/24/24 04:58*	*5*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*08/24/24 04:58*	*5*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/24/24 04:58*	*5*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**190**		50	7.3	ug/L		08/26/24 13:06	08/27/24 21:40	10
2-Methylnaphthalene	ND		50	6.0	ug/L		08/26/24 13:06	08/27/24 21:40	10
Acenaphthene	**130**		50	4.1	ug/L		08/26/24 13:06	08/27/24 21:40	10
Acenaphthylene	**5.1**	**J**	50	3.8	ug/L		08/26/24 13:06	08/27/24 21:40	10
Anthracene	**9.4**	**J**	50	2.8	ug/L		08/26/24 13:06	08/27/24 21:40	10
Benzo[a]anthracene	ND		50	3.6	ug/L		08/26/24 13:06	08/27/24 21:40	10
Benzo[a]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 21:40	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		08/26/24 13:06	08/27/24 21:40	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		08/26/24 13:06	08/27/24 21:40	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		08/26/24 13:06	08/27/24 21:40	10
Chrysene	ND		50	3.3	ug/L		08/26/24 13:06	08/27/24 21:40	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		08/26/24 13:06	08/27/24 21:40	10
Fluoranthene	**4.2**	**J**	50	4.0	ug/L		08/26/24 13:06	08/27/24 21:40	10
Fluorene	**43**	**J**	50	3.6	ug/L		08/26/24 13:06	08/27/24 21:40	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		08/26/24 13:06	08/27/24 21:40	10
Naphthalene	**14**	**J**	50	7.6	ug/L		08/26/24 13:06	08/27/24 21:40	10
Phenanthrene	**54**		50	4.4	ug/L		08/26/24 13:06	08/27/24 21:40	10
Pyrene	**4.0**	**J**	50	3.4	ug/L		08/26/24 13:06	08/27/24 21:40	10

Client Sample ID: MW-1805
Lab Sample ID: 480-222812-23

Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*53 - 126*	*08/26/24 13:06*	*08/27/24 21:40*	*10*
Nitrobenzene-d5 (Surr)	*59*		*29 - 129*	*08/26/24 13:06*	*08/27/24 21:40*	*10*
p-Terphenyl-d14 (Surr)	*58*		*33 - 132*	*08/26/24 13:06*	*08/27/24 21:40*	*10*

Client Sample ID: PZ-32
Lab Sample ID: 480-222812-24

Date Collected: 08/20/24 00:00
Matrix: Water
Date Received: 08/23/24 14:05

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 05:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 05:21	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 05:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*08/24/24 05:21*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*08/24/24 05:21*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*08/24/24 05:21*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*08/24/24 05:21*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:58	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 19:58	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 19:58	1
Acenaphthylene	**0.42**	**J**	5.0	0.38	ug/L		08/27/24 07:39	08/28/24 19:58	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 19:58	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:58	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:58	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:58	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 19:58	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 19:58	1
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 19:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 19:58	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 19:58	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 19:58	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 19:58	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 19:58	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 19:58	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*53 - 126*	*08/27/24 07:39*	*08/28/24 19:58*	*1*
Nitrobenzene-d5 (Surr)	*55*		*29 - 129*	*08/27/24 07:39*	*08/28/24 19:58*	*1*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*08/27/24 07:39*	*08/28/24 19:58*	*1*

Client Sample ID: PZ-31
Date Collected: 08/20/24 00:00
Date Received: 08/23/24 14:05

Lab Sample ID: 480-222812-25
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			08/24/24 05:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/24/24 05:44	1
Toluene	ND		1.0	0.51	ug/L			08/24/24 05:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/24/24 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*08/24/24 05:44*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*08/24/24 05:44*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*08/24/24 05:44*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*08/24/24 05:44*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 20:24	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		08/27/24 07:39	08/28/24 20:24	1
Acenaphthene	ND		5.0	0.41	ug/L		08/27/24 07:39	08/28/24 20:24	1
Acenaphthylene	ND		5.0	0.38	ug/L		08/27/24 07:39	08/28/24 20:24	1
Anthracene	ND		5.0	0.28	ug/L		08/27/24 07:39	08/28/24 20:24	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 20:24	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 20:24	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 20:24	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		08/27/24 07:39	08/28/24 20:24	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		08/27/24 07:39	08/28/24 20:24	1
Chrysene	ND		5.0	0.33	ug/L		08/27/24 07:39	08/28/24 20:24	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		08/27/24 07:39	08/28/24 20:24	1
Fluoranthene	ND		5.0	0.40	ug/L		08/27/24 07:39	08/28/24 20:24	1
Fluorene	ND		5.0	0.36	ug/L		08/27/24 07:39	08/28/24 20:24	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		08/27/24 07:39	08/28/24 20:24	1
Naphthalene	ND		5.0	0.76	ug/L		08/27/24 07:39	08/28/24 20:24	1
Phenanthrene	ND		5.0	0.44	ug/L		08/27/24 07:39	08/28/24 20:24	1
Pyrene	ND		5.0	0.34	ug/L		08/27/24 07:39	08/28/24 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*53 - 126*	*08/27/24 07:39*	*08/28/24 20:24*	*1*
Nitrobenzene-d5 (Surr)	*66*		*29 - 129*	*08/27/24 07:39*	*08/28/24 20:24*	*1*
p-Terphenyl-d14 (Surr)	*86*		*33 - 132*	*08/27/24 07:39*	*08/28/24 20:24*	*1*

Appendix D

Summary Statistics and Trend Results

Appendix D
Summary Statistics and Trend Results
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

ARCADIS

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
MW04S	Acenaphthene	11/05 - 08/24	D-1	5 / 5	82 - 190	156	180	46.4	NST	5	0.325	-3
MW04S	Acenaphthylene	11/05 - 08/24	D-2	5 / 5	4.3 - 9	6.9	7.4	1.7	NST	5	0.408	-2
MW04S	Anthracene	11/05 - 08/24	D-3	5 / 5	5 - 16	11.2	11	4.9	NST	5	0.500	-1
MW04S	Benzo(a)anthracene	11/05 - 08/24	D-4	1 / 5	2 - 2	--	--	--	--	5, 6	--	--
MW04S	Benzo(a)pyrene	11/05 - 08/24	D-5	1 / 5	2 - 2	--	--	--	--	5, 6	--	--
MW04S	Benzo(b)fluoranthene	11/05 - 08/24	D-6	1 / 5	2 - 2	--	--	--	--	5, 6	--	--
MW04S	Benzo(g,h,i)perylene	11/05 - 08/24	D-7	1 / 5	0.7 - 0.7	--	--	--	--	5, 6	--	--
MW04S	Benzo(k)fluoranthene	11/05 - 08/24	D-8	1 / 5	2 - 2	--	--	--	--	5, 6	--	--
MW04S	Chrysene	11/05 - 08/24	D-9	1 / 5	2 - 2	--	--	--	--	5, 6	--	--
MW04S	Dibenzo(a,h)anthracene	11/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
MW04S	Fluoranthene	11/05 - 08/24	D-10	3 / 5	5.2 - 10	--	--	--	NST	5	0.500	-1
MW04S	Fluorene	11/05 - 08/24	D-11	5 / 5	25 - 64	50.6	61	17.1	NST	5	0.408	2
MW04S	Indeno(1,2,3-cd)pyrene	11/05 - 08/24	D-12	1 / 5	0.5 - 0.5	--	--	--	--	5, 6	--	--
MW04S	Naphthalene	11/05 - 08/24	D-13	3 / 5	180 - 340	--	--	--	NST	5	0.242	-4
MW04S	Phenanthrene	11/05 - 08/24	D-14	5 / 5	29 - 84	59	73	27.2	NST	5	0.408	-2
MW04S	Pyrene	11/05 - 08/24	D-15	4 / 5	5 - 13	7.5	6.05	3.7	NST	5	0.592	0
MW04S	Total PAHs	11/05 - 08/24	D-16	5 / 5	150 - 740	481	560	274	NST	5	0.242	-4
MW04S	Benzene	11/05 - 08/24	D-17	5 / 5	22 - 59	40	39	13.2	NST	5	0.592	0
MW04S	Ethylbenzene	11/05 - 08/24	D-18	5 / 5	92 - 130	114	120	14.4	NST	5	0.325	3
MW04S	Toluene	11/05 - 08/24	D-19	4 / 5	4.5 - 19	8.6	5.4	7	DWN	5	0.025	-9
MW04S	Total BTEX	11/05 - 08/24	D-20	5 / 5	150 - 290	216	220	51.6	NST	5	0.242	-4
MW04S	Xylenes (total)	11/05 - 08/24	D-21	5 / 5	29 - 100	52.8	49	28.5	NST	5	0.242	-4
MW-1801	Acenaphthene	12/18 - 08/24	D-22	4 / 4	89 - 110	101	102	10.9	NST	5	0.271	-3
MW-1801	Acenaphthylene	12/18 - 08/24	D-23	4 / 4	6.7 - 8.1	7.6	7.7	0.62	DWN	5	0.042	-6
MW-1801	Anthracene	12/18 - 08/24	D-24	4 / 4	8.8 - 14	12	12.5	2.3	NST	5	0.167	-4
MW-1801	Benzo(a)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1801	Benzo(a)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1801	Benzo(b)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1801	Benzo(g,h,i)perylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1801	Benzo(k)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1801	Chrysene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1801	Dibenzo(a,h)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1801	Fluoranthene	12/18 - 08/24	D-25	4 / 4	4.6 - 5.1	4.9	4.95	0.22	NST	5	0.167	4
MW-1801	Fluorene	12/18 - 08/24	D-26	4 / 4	32 - 43	37.8	38	4.8	DWN	5	0.042	-6
MW-1801	Indeno(1,2,3-cd)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1801	Naphthalene	12/18 - 08/24	D-27	4 / 4	8.7 - 200	109	113.5	90.9	NST	5	0.625	0
MW-1801	Phenanthrene	12/18 - 08/24	D-28	4 / 4	39 - 62	53.3	56	10	NST	5	0.167	-4
MW-1801	Pyrene	12/18 - 08/24	D-29	4 / 4	5.9 - 6.9	6.4	6.45	0.41	NST	5	0.167	-4
MW-1801	Total PAHs	12/18 - 08/24	D-30	4 / 4	200 - 420	335	360	106	NST	5	0.500	-1
MW-1801	Benzene	12/18 - 08/24	D-31	4 / 4	34 - 45	38.5	37.5	5.1	NST	5	0.375	2
MW-1801	Ethylbenzene	12/18 - 08/24	D-32	4 / 4	170 - 290	208	185	55.6	NST	5	0.167	-4
MW-1801	Toluene	12/18 - 08/24	D-33	4 / 4	4.7 - 12	6.7	5.1	3.5	NST	5	0.167	-4

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
MW-1801	Total BTEX	12/18 - 08/24	D-34	4 / 4	271 - 420	323	300	66.3	NST	[5]	0.105	-5
MW-1801	Xylenes (total)	12/18 - 08/24	D-35	4 / 4	51 - 80	69.5	73.5	13.2	NST	[5]	0.167	-4
MW-1802	Acenaphthene	12/18 - 08/24	D-36	3 / 4	120 - 260	--	--	--	NST	[5]	0.105	-5
MW-1802	Acenaphthylene	12/18 - 08/24	D-37	2 / 4	4.5 - 18	--	--	--	NST	[5]	0.271	-3
MW-1802	Anthracene	12/18 - 08/24	D-38	3 / 4	7.7 - 13	--	--	--	DWN	[5]	0.042	-6
MW-1802	Benzo(a)anthracene	12/18 - 08/24	D-39	2 / 4	0.82 - 0.89	--	--	--	NST	[5]	0.500	-1
MW-1802	Benzo(a)pyrene	12/18 - 08/24	D-40	2 / 4	0.51 - 0.67	--	--	--	NST	[5]	0.271	-3
MW-1802	Benzo(b)fluoranthene	12/18 - 08/24	D-41	2 / 4	0.37 - 0.56	--	--	--	NST	[5]	0.271	-3
MW-1802	Benzo(g,h,i)perylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1802	Benzo(k)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1802	Chrysene	12/18 - 08/24	D-42	2 / 4	0.84 - 1.1	--	--	--	NST	[5]	0.271	-3
MW-1802	Dibenzo(a,h)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1802	Fluoranthene	12/18 - 08/24	D-43	3 / 4	5.5 - 8.9	--	--	--	NST	[5]	0.167	-4
MW-1802	Fluorene	12/18 - 08/24	D-44	3 / 4	30 - 64	--	--	--	DWN	[5]	0.042	-6
MW-1802	Indeno(1,2,3-cd)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1802	Naphthalene	12/18 - 08/24	D-45	3 / 4	680 - 1500	--	--	--	NST	[5]	0.375	-2
MW-1802	Phenanthrene	12/18 - 08/24	D-46	3 / 4	33 - 88	--	--	--	DWN	[5]	0.042	-6
MW-1802	Pyrene	12/18 - 08/24	D-47	4 / 4	1.7 - 12	7.8	8.7	4.5	NST	[5]	0.167	-4
MW-1802	Total PAHs	12/18 - 08/24	D-48	4 / 4	1.7 - 1800	980	1060	749	NST	[5]	0.375	-2
MW-1802	Benzene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1802	Ethylbenzene	12/18 - 08/24	D-49	4 / 4	0.96 - 380	195	200	155	NST	[5]	0.167	-4
MW-1802	Toluene	12/18 - 08/24	D-50	2 / 4	6.3 - 8.6	--	--	--	NST	[5]	0.105	-5
MW-1802	Total BTEX	12/18 - 08/24	D-51	4 / 4	4.3 - 630	319	320	256	NST	[5]	0.167	-4
MW-1802	Xylenes (total)	12/18 - 08/24	D-52	4 / 4	3.3 - 240	118	115	96.8	NST	[5]	0.167	-4
MW-1803	Acenaphthene	12/18 - 08/24	D-53	3 / 4	180 - 240	--	--	--	NST	[5]	0.375	-2
MW-1803	Acenaphthylene	12/18 - 08/24	D-54	3 / 4	16 - 45	--	--	--	NST	[5]	0.375	-2
MW-1803	Anthracene	12/18 - 08/24	D-55	3 / 4	12 - 15	--	--	--	NST	[5]	0.167	-4
MW-1803	Benzo(a)anthracene	12/18 - 08/24	D-56	1 / 4	0.53 - 0.53	--	--	--	NST	[5]	0.271	-3
MW-1803	Benzo(a)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1803	Benzo(b)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1803	Benzo(g,h,i)perylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1803	Benzo(k)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1803	Chrysene	12/18 - 08/24	D-57	1 / 4	0.55 - 0.55	--	--	--	NST	[5]	0.271	-3
MW-1803	Dibenzo(a,h)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1803	Fluoranthene	12/18 - 08/24	D-58	3 / 4	4.6 - 5.5	--	--	--	NST	[5]	0.167	-4
MW-1803	Fluorene	12/18 - 08/24	D-59	3 / 4	48 - 74	--	--	--	NST	[5]	0.375	-2
MW-1803	Indeno(1,2,3-cd)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1803	Naphthalene	12/18 - 08/24	D-60	2 / 4	20 - 150	--	--	--	NST	[5]	0.500	-1
MW-1803	Phenanthrene	12/18 - 08/24	D-61	3 / 4	51 - 67	--	--	--	NST	[5]	0.167	-4
MW-1803	Pyrene	12/18 - 08/24	D-62	3 / 4	5.4 - 6	--	--	--	NST	[5]	0.500	-1
MW-1803	Total PAHs	12/18 - 08/23	--	3 / 3	330 - 600	--	--	--	--	--	--	--
MW-1803	Benzene	12/18 - 08/24	D-63	2 / 4	12 - 54	--	--	--	NST	[5]	0.105	-5

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
MW-1803	Ethylbenzene	12/18 - 08/24	D-64	4 / 4	76 - 350	164	115.5	128	DWN	[5]	0.042	-6
MW-1803	Toluene	12/18 - 08/24	D-65	1 / 4	11 - 11	--	--	--	NST	[5]	0.271	-3
MW-1803	Total BTEX	12/18 - 08/24	D-66	4 / 4	118 - 670	295	195	258	DWN	[5]	0.042	-6
MW-1803	Xylenes (total)	12/18 - 08/24	D-67	4 / 4	42 - 250	111	75	96.5	DWN	[5]	0.042	-6
MW-1804	Acenaphthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Acenaphthylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Benzo(a)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Benzo(a)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Benzo(b)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Benzo(g,h,i)perylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Benzo(k)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Chrysene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Dibenzo(a,h)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Fluorene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Indeno(1,2,3-cd)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Naphthalene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Phenanthrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Benzene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Ethylbenzene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Toluene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1804	Xylenes (total)	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1805	Acenaphthene	12/18 - 08/24	D-68	4 / 4	130 - 170	150	150	23.1	NST	[5]	0.167	-4
MW-1805	Acenaphthylene	12/18 - 08/24	D-69	4 / 4	5.1 - 9.1	7.1	7.1	1.8	DWN	[5]	0.042	-6
MW-1805	Anthracene	12/18 - 08/24	D-70	4 / 4	9.4 - 15	12.4	12.5	2.6	DWN	[5]	0.042	-6
MW-1805	Benzo(a)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1805	Benzo(a)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1805	Benzo(b)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1805	Benzo(g,h,i)perylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1805	Benzo(k)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1805	Chrysene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1805	Dibenzo(a,h)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1805	Fluoranthene	12/18 - 08/24	D-71	4 / 4	3.5 - 4.7	4	3.95	0.54	NST	[5]	0.375	-2
MW-1805	Fluorene	12/18 - 08/24	D-72	4 / 4	43 - 61	51.5	51	9.3	DWN	[5]	0.042	-6
MW-1805	Indeno(1,2,3-cd)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1805	Naphthalene	12/18 - 08/24	D-73	4 / 4	14 - 260	151	165	102	DWN	[5]	0.042	-6
MW-1805	Phenanthrene	12/18 - 08/24	D-74	4 / 4	54 - 74	62.8	61.5	9.8	DWN	[5]	0.042	-6
MW-1805	Pyrene	12/18 - 08/24	D-75	4 / 4	4 - 5.5	4.5	4.25	0.71	NST	[5]	0.105	-5
MW-1805	Total PAHs	12/18 - 08/24	D-76	4 / 4	264 - 600	456	480	146	DWN	[5]	0.042	-6
MW-1805	Benzene	12/18 - 08/24	D-77	4 / 4	49 - 56	52.8	53	3.3	NST	[5]	0.375	2

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
MW-1805	Ethylbenzene	12/18 - 08/24	D-78	4 / 4	100 - 180	135	130	37	NST	[5]	0.167	-4
MW-1805	Toluene	12/18 - 08/24	D-79	4 / 4	4.6 - 8.4	6.1	5.6	1.8	NST	[5]	0.105	-5
MW-1805	Total BTEX	12/18 - 08/24	D-80	4 / 4	204 - 300	246	240	46.7	DWN	[5]	0.042	-6
MW-1805	Xylenes (total)	12/18 - 08/24	D-81	4 / 4	33 - 66	53.5	57.5	14.2	NST	[5]	0.375	-2
MW-1806	Acenaphthene	08/22 - 08/24	--	2 / 3	26 - 41	--	--	--	--	--	--	--
MW-1806	Acenaphthylene	08/22 - 08/24	--	1 / 3	4.9 - 4.9	--	--	--	--	--	--	--
MW-1806	Anthracene	08/22 - 08/24	--	1 / 3	4.4 - 4.4	--	--	--	--	--	--	--
MW-1806	Benzo(a)anthracene	08/22 - 08/24	--	2 / 3	3.4 - 7.5	--	--	--	--	--	--	--
MW-1806	Benzo(a)pyrene	08/22 - 08/24	--	2 / 3	3.8 - 6.1	--	--	--	--	--	--	--
MW-1806	Benzo(b)fluoranthene	08/22 - 08/24	--	2 / 3	2.5 - 4.6	--	--	--	--	--	--	--
MW-1806	Benzo(g,h,i)perylene	08/22 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
MW-1806	Benzo(k)fluoranthene	08/22 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
MW-1806	Chrysene	08/22 - 08/24	--	2 / 3	2.1 - 5.1	--	--	--	--	--	--	--
MW-1806	Dibenzo(a,h)anthracene	08/22 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
MW-1806	Fluoranthene	08/22 - 08/24	--	2 / 3	9.4 - 15	--	--	--	--	--	--	--
MW-1806	Fluorene	08/22 - 08/24	--	1 / 3	11 - 11	--	--	--	--	--	--	--
MW-1806	Indeno(1,2,3-cd)pyrene	08/22 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
MW-1806	Naphthalene	08/22 - 08/24	--	1 / 3	47 - 47	--	--	--	--	--	--	--
MW-1806	Phenanthrene	08/22 - 08/24	--	1 / 3	8.5 - 8.5	--	--	--	--	--	--	--
MW-1806	Pyrene	08/22 - 08/24	--	2 / 3	13 - 16	--	--	--	--	--	--	--
MW-1806	Total PAHs	08/22 - 08/23	--	2 / 2	80 - 150	--	--	--	--	--	--	--
MW-1806	Benzene	08/22 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
MW-1806	Ethylbenzene	08/22 - 08/24	--	3 / 3	19 - 23	--	--	--	--	--	--	--
MW-1806	Toluene	08/22 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
MW-1806	Total BTEX	08/22 - 08/24	--	3 / 3	36 - 47	--	--	--	--	--	--	--
MW-1806	Xylenes (total)	08/22 - 08/24	--	3 / 3	15 - 26	--	--	--	--	--	--	--
MW-1807	Acenaphthene	12/18 - 08/24	D-82	4 / 4	17 - 76	39.3	32	25.5	NST	[5]	0.167	-4
MW-1807	Acenaphthylene	12/18 - 08/24	D-83	3 / 4	1.9 - 4.8	--	--	--	NST	[5]	0.375	-2
MW-1807	Anthracene	12/18 - 08/24	D-84	3 / 4	0.69 - 14	--	--	--	NST	[5]	0.375	-2
MW-1807	Benzo(a)anthracene	12/18 - 08/24	D-85	2 / 4	0.36 - 0.47	--	--	--	NST	[5]	0.271	3
MW-1807	Benzo(a)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1807	Benzo(b)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1807	Benzo(g,h,i)perylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1807	Benzo(k)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1807	Chrysene	12/18 - 08/24	D-86	2 / 4	0.35 - 0.4	--	--	--	NST	[5]	0.105	5
MW-1807	Dibenzo(a,h)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1807	Fluoranthene	12/18 - 08/24	D-87	4 / 4	3.6 - 8.4	5.7	5.45	2	DWN	[5]	0.042	-6
MW-1807	Fluorene	12/18 - 08/24	D-88	4 / 4	6.6 - 42	19.7	15	15.4	DWN	[5]	0.042	-6
MW-1807	Indeno(1,2,3-cd)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1807	Naphthalene	12/18 - 08/24	D-89	1 / 4	0.91 - 0.91	--	--	--	NST	[5]	0.500	1
MW-1807	Phenanthrene	12/18 - 08/24	D-90	3 / 4	0.51 - 40	--	--	--	NST	[5]	0.375	-2
MW-1807	Pyrene	12/18 - 08/24	D-91	4 / 4	3.7 - 11	7	6.65	3	DWN	[5]	0.042	-6

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
MW-1807	Total PAHs	12/18 - 08/24	D-92	4 / 4	35 - 200	91	64.5	74.1	NST	[5]	0.167	-4
MW-1807	Benzene	12/18 - 08/24	D-93	4 / 4	5.8 - 14	11	12	3.7	NST	[5]	0.167	-4
MW-1807	Ethylbenzene	12/18 - 08/24	D-94	3 / 4	1.6 - 7	--	--	--	DWN	[5]	0.042	-6
MW-1807	Toluene	12/18 - 08/24	D-95	2 / 4	0.87 - 0.9	--	--	--	NST	[5]	0.271	-3
MW-1807	Total BTEX	12/18 - 08/24	D-96	4 / 4	5.8 - 27	16.5	16.5	8.7	DWN	[5]	0.042	-6
MW-1807	Xylenes (total)	12/18 - 08/24	D-97	2 / 4	3.9 - 5	--	--	--	NST	[5]	0.105	-5
MW-1808	Acenaphthene	12/18 - 08/24	D-98	4 / 4	33 - 60	51.5	56.5	12.6	NST	[5]	0.625	0
MW-1808	Acenaphthylene	12/18 - 08/24	D-99	4 / 4	5 - 7.9	6.6	6.75	1.3	NST	[5]	0.375	2
MW-1808	Anthracene	12/18 - 08/24	D-100	4 / 4	1.8 - 3.5	2.9	3.15	0.78	NST	[5]	0.167	-4
MW-1808	Benzo(a)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1808	Benzo(a)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1808	Benzo(b)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1808	Benzo(g,h,i)perylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1808	Benzo(k)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1808	Chrysene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1808	Dibenzo(a,h)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1808	Fluoranthene	12/18 - 08/24	D-101	1 / 4	1.7 - 1.7	--	--	--	NST	[5]	0.500	1
MW-1808	Fluorene	12/18 - 08/24	D-102	4 / 4	13 - 23	18	18	4.8	NST	[5]	0.375	2
MW-1808	Indeno(1,2,3-cd)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1808	Naphthalene	12/18 - 08/24	D-103	3 / 4	2.4 - 170	--	--	--	DWN	[5]	0.042	-6
MW-1808	Phenanthrene	12/18 - 08/24	D-104	3 / 4	12 - 28	--	--	--	NST	[5]	0.375	-2
MW-1808	Pyrene	12/18 - 08/24	D-105	4 / 4	1.8 - 2.3	2.1	2.15	0.22	NST	[5]	0.167	4
MW-1808	Total PAHs	12/18 - 08/24	D-106	4 / 4	79 - 240	147	135	67.4	DWN	[5]	0.042	-6
MW-1808	Benzene	12/18 - 08/24	D-107	4 / 4	4.5 - 110	35.2	13.2	50.4	NST	[5]	0.167	-4
MW-1808	Ethylbenzene	12/18 - 08/24	D-108	4 / 4	5.9 - 170	51.7	15.45	79.3	NST	[5]	0.167	-4
MW-1808	Toluene	12/18 - 08/24	D-109	1 / 4	4.4 - 4.4	--	--	--	NST	[5]	0.271	-3
MW-1808	Total BTEX	12/18 - 08/24	D-110	4 / 4	10 - 450	134	37.9	212	NST	[5]	0.167	-4
MW-1808	Xylenes (total)	12/18 - 08/24	D-111	3 / 4	5.5 - 170	--	--	--	NST	[5]	0.167	-4
MW-1809	Acenaphthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Acenaphthylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Benzo(a)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Benzo(a)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Benzo(b)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Benzo(g,h,i)perylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Benzo(k)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Chrysene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Dibenzo(a,h)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Fluoranthene	12/18 - 08/24	D-112	1 / 4	0.56 - 0.56	--	--	--	NST	[5]	0.271	-3
MW-1809	Fluorene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Indeno(1,2,3-cd)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Naphthalene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
MW-1809	Phenanthrene	12/18 - 08/24	D-113	1 / 4	1.1 - 1.1	--	--	--	NST	[5]	0.271	-3
MW-1809	Pyrene	12/18 - 08/24	D-114	1 / 4	0.82 - 0.82	--	--	--	NST	[5]	0.271	-3
MW-1809	Total PAHs	12/18 - 12/18	--	1 / 1	2.5 - 2.5	--	--	--	--	--	--	--
MW-1809	Benzene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Ethylbenzene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Toluene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1809	Xylenes (total)	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Acenaphthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Acenaphthylene	12/18 - 08/24	D-115	1 / 4	0.55 - 0.55	--	--	--	NST	[5]	0.271	-3
MW-1810	Anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Benzo(a)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Benzo(a)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Benzo(b)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Benzo(g,h,i)perylene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Benzo(k)fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Chrysene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Dibenzo(a,h)anthracene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Fluoranthene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Fluorene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Indeno(1,2,3-cd)pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Naphthalene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Phenanthrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Pyrene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Total PAHs	12/18 - 12/18	--	1 / 1	0.55 - 0.55	--	--	--	--	--	--	--
MW-1810	Benzene	12/18 - 08/24	D-116	1 / 4	0.89 - 0.89	--	--	--	NST	[5]	0.271	-3
MW-1810	Ethylbenzene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Toluene	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
MW-1810	Total BTEX	12/18 - 12/18	--	1 / 1	0.89 - 0.89	--	--	--	--	--	--	--
MW-1810	Xylenes (total)	12/18 - 08/24	--	0 / 4	--	--	--	--	--	--	--	--
PZ13	Acenaphthene	09/04 - 08/24	D-117	1 / 8	4 - 4	--	--	--	--	[6]	--	--
PZ13	Acenaphthylene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ13	Anthracene	09/04 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ13	Benzo(a)anthracene	09/04 - 08/24	D-118	1 / 8	0.56 - 0.56	--	--	--	--	[6]	--	--
PZ13	Benzo(a)pyrene	09/04 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ13	Benzo(b)fluoranthene	09/04 - 08/24	D-119	1 / 8	0.51 - 0.51	--	--	--	--	[6]	--	--
PZ13	Benzo(g,h,i)perylene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ13	Benzo(k)fluoranthene	09/04 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ13	Chrysene	09/04 - 08/24	D-120	1 / 8	0.53 - 0.53	--	--	--	--	[6]	--	--
PZ13	Dibenzo(a,h)anthracene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ13	Fluoranthene	09/04 - 08/24	D-121	1 / 8	1.2 - 1.2	--	--	--	--	[6]	--	--
PZ13	Fluorene	09/04 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ13	Indeno(1,2,3-cd)pyrene	09/04 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
PZ13	Naphthalene	09/04 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ13	Phenanthrene	09/04 - 08/24	D-122	1 / 8	0.76 - 0.76	--	--	--	--	6	--	--
PZ13	Pyrene	09/04 - 08/24	D-123	2 / 8	0.96 - 1	--	--	--	NST	--	0.500	-1
PZ13	Total PAHs	09/04 - 08/24	--	2 / 2	4.5 - 5	--	--	--	--	--	--	--
PZ13	Benzene	09/04 - 08/24	--	0 / 13	--	--	--	--	--	--	--	--
PZ13	Ethylbenzene	09/04 - 08/24	--	0 / 13	--	--	--	--	--	--	--	--
PZ13	m,p-Xylene	09/07 - 11/12	--	0 / 7	--	--	--	--	--	--	--	--
PZ13	o-Xylene	09/07 - 11/12	--	0 / 7	--	--	--	--	--	--	--	--
PZ13	Toluene	09/04 - 08/24	--	0 / 13	--	--	--	--	--	--	--	--
PZ13	Xylenes (total)	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ14	Acenaphthene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Acenaphthylene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Anthracene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Benzo(a)anthracene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Benzo(a)pyrene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Benzo(b)fluoranthene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Benzo(g,h,i)perylene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Benzo(k)fluoranthene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Chrysene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Dibenzo(a,h)anthracene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Fluoranthene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Fluorene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Indeno(1,2,3-cd)pyrene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Naphthalene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Phenanthrene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Pyrene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Benzene	09/04 - 08/24	D-124	1 / 5	1 - 1	--	--	--	--	5 6	--	--
PZ14	Ethylbenzene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Toluene	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ14	Total BTEX	11/05 - 11/05	--	1 / 1	1 - 1	--	--	--	--	--	--	--
PZ14	Xylenes (total)	09/04 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Acenaphthene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Acenaphthylene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Anthracene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Benzo(a)anthracene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Benzo(a)pyrene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Benzo(b)fluoranthene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Benzo(g,h,i)perylene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Benzo(k)fluoranthene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Chrysene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Dibenzo(a,h)anthracene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Fluoranthene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
PZ17	Fluorene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Indeno(1,2,3-cd)pyrene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Naphthalene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Phenanthrene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Pyrene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Benzene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Ethylbenzene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Toluene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ17	Xylenes (total)	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ18	Acenaphthene	09/04 - 08/24	D-125	1 / 6	0.56 - 0.56	--	--	--	--	5, 6	--	--
PZ18	Acenaphthylene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Anthracene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Benzo(a)anthracene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Benzo(a)pyrene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Benzo(b)fluoranthene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Benzo(g,h,i)perylene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Benzo(k)fluoranthene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Chrysene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Dibenzo(a,h)anthracene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Fluoranthene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Fluorene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Indeno(1,2,3-cd)pyrene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Naphthalene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Phenanthrene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Pyrene	09/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ18	Total PAHs	08/22 - 08/22	--	1 / 1	0.56 - 0.56	--	--	--	--	--	--	--
PZ18	Benzene	09/04 - 08/24	D-126	5 / 6	69 - 710	254	160	263	NST	5	0.500	1
PZ18	Ethylbenzene	09/04 - 08/24	D-127	2 / 6	4 - 7	--	--	--	NST	5	0.136	-7
PZ18	Toluene	09/04 - 08/24	D-128	1 / 6	1 - 1	--	--	--	--	5, 6	--	--
PZ18	Total BTEX	09/04 - 08/24	D-129	5 / 5	73 - 710	259	160	260	NST	5	0.242	4
PZ18	Xylenes (total)	09/04 - 08/24	D-130	1 / 6	6 - 6	--	--	--	--	5, 6	--	--
PZ19	Acenaphthene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Acenaphthylene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Anthracene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Benzo(a)anthracene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Benzo(a)pyrene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Benzo(b)fluoranthene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Benzo(g,h,i)perylene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Benzo(k)fluoranthene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Chrysene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Dibenzo(a,h)anthracene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Fluoranthene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
PZ19	Fluorene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Indeno(1,2,3-cd)pyrene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Naphthalene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Phenanthrene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Pyrene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Benzene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Ethylbenzene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Toluene	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ19	Xylenes (total)	09/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ24	Acenaphthene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Acenaphthylene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ24	Anthracene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Benzo(a)anthracene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Benzo(a)pyrene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Benzo(b)fluoranthene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Benzo(g,h,i)perylene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ24	Benzo(k)fluoranthene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Chrysene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Dibenzo(a,h)anthracene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ24	Fluoranthene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Fluorene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Indeno(1,2,3-cd)pyrene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Naphthalene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Phenanthrene	10/04 - 08/24	D-131	1 / 10	1.6 - 1.6	--	--	--	--	6	--	--
PZ24	Pyrene	10/04 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ24	Total PAHs	01/08 - 01/08	--	1 / 1	1.6 - 1.6	--	--	--	--	--	--	--
PZ24	Benzene	10/04 - 08/24	D-132	5 / 13	0.56 - 1	0.79	0.83	0.18	UP	--	0.015	32
PZ24	Ethylbenzene	10/04 - 08/24	D-133	1 / 13	0.5 - 0.5	--	--	--	--	6	--	--
PZ24	m,p-Xylene	09/07 - 11/12	--	0 / 7	--	--	--	--	--	--	--	--
PZ24	o-Xylene	09/07 - 11/12	--	0 / 7	--	--	--	--	--	--	--	--
PZ24	Toluene	10/04 - 08/24	--	0 / 13	--	--	--	--	--	--	--	--
PZ24	Total BTEX	11/05 - 08/24	D-134	6 / 6	0.56 - 100	17.3	0.86	40.5	NST	5	0.360	-3
PZ24	Xylenes (total)	10/04 - 08/24	D-135	1 / 6	100 - 100	--	--	--	--	5, 6	--	--
PZ25_25R	Acenaphthene	10/04 - 08/24	--	3 / 3	0.45 - 11	--	--	--	--	--	--	--
PZ25_25R	Acenaphthylene	10/04 - 08/24	--	3 / 3	1.6 - 30	--	--	--	--	--	--	--
PZ25_25R	Anthracene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Benzo(a)anthracene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Benzo(a)pyrene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Benzo(b)fluoranthene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Benzo(g,h,i)perylene	10/04 - 08/24	--	1 / 3	4 - 4	--	--	--	--	--	--	--
PZ25_25R	Benzo(k)fluoranthene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Chrysene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
PZ25_25R	Dibenzo(a,h)anthracene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Fluoranthene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Fluorene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Indeno(1,2,3-cd)pyrene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Naphthalene	10/04 - 08/24	--	3 / 3	0.99 - 56	--	--	--	--	--	--	--
PZ25_25R	Phenanthrene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Pyrene	10/04 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ25_25R	Total PAHs	10/04 - 08/24	--	3 / 3	3 - 140	--	--	--	--	--	--	--
PZ25_25R	Benzene	10/04 - 08/24	--	3 / 3	3.8 - 25	--	--	--	--	--	--	--
PZ25_25R	Ethylbenzene	10/04 - 08/24	--	3 / 3	6.7 - 210	--	--	--	--	--	--	--
PZ25_25R	Toluene	10/04 - 08/24	--	3 / 3	2.4 - 12	--	--	--	--	--	--	--
PZ25_25R	Total BTEX	10/04 - 08/24	--	3 / 3	25 - 330	--	--	--	--	--	--	--
PZ25_25R	Xylenes (total)	10/04 - 08/24	--	3 / 3	12 - 110	--	--	--	--	--	--	--
PZ26	Acenaphthene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Acenaphthylene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Anthracene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Benzo(a)anthracene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Benzo(a)pyrene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Benzo(b)fluoranthene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Benzo(g,h,i)perylene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Benzo(k)fluoranthene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Chrysene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Dibenzo(a,h)anthracene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Fluoranthene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Fluorene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Indeno(1,2,3-cd)pyrene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Naphthalene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Phenanthrene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Pyrene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Benzene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Ethylbenzene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Toluene	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ26	Xylenes (total)	10/04 - 11/05	--	0 / 2	--	--	--	--	--	--	--	--
PZ29	Acenaphthene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Acenaphthylene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Anthracene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Benzo(a)anthracene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Benzo(a)pyrene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Benzo(b)fluoranthene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Benzo(g,h,i)perylene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Benzo(k)fluoranthene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Chrysene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
PZ29	Dibenzo(a,h)anthracene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Fluoranthene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Fluorene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Indeno(1,2,3-cd)pyrene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Naphthalene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Phenanthrene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Pyrene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Benzene	10/04 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ29	Ethylbenzene	10/04 - 08/24	D-136	1 / 6	0.5 - 0.5	--	--	--	--	5, 6	--	--
PZ29	Toluene	10/04 - 08/24	D-137	1 / 6	3 - 3	--	--	--	--	5, 6	--	--
PZ29	Total BTEX	11/05 - 11/05	--	1 / 1	7.5 - 7.5	--	--	--	--	--	--	--
PZ29	Xylenes (total)	10/04 - 08/24	D-138	1 / 6	4 - 4	--	--	--	--	5, 6	--	--
PZ31	Acenaphthene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Acenaphthylene	05/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ31	Anthracene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Benzo(a)anthracene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Benzo(a)pyrene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Benzo(b)fluoranthene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Benzo(g,h,i)perylene	05/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ31	Benzo(k)fluoranthene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Chrysene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Dibenzo(a,h)anthracene	05/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ31	Fluoranthene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Fluorene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Indeno(1,2,3-cd)pyrene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Naphthalene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Phenanthrene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Pyrene	05/05 - 08/24	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Benzene	05/05 - 08/24	--	0 / 12	--	--	--	--	--	--	--	--
PZ31	Ethylbenzene	05/05 - 08/24	--	0 / 12	--	--	--	--	--	--	--	--
PZ31	m,p-Xylene	09/07 - 11/12	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	o-Xylene	09/07 - 11/12	--	0 / 7	--	--	--	--	--	--	--	--
PZ31	Toluene	05/05 - 08/24	--	0 / 12	--	--	--	--	--	--	--	--
PZ31	Xylenes (total)	05/05 - 08/24	--	0 / 5	--	--	--	--	--	--	--	--
PZ32	Acenaphthene	05/05 - 08/24	D-139	4 / 8	2 - 15	7.3	6	6.4	DWN	--	0.016	-18
PZ32	Acenaphthylene	05/05 - 08/24	D-140	2 / 6	0.42 - 2	--	--	--	NST	5	0.500	1
PZ32	Anthracene	05/05 - 08/24	D-141	2 / 8	0.8 - 3	--	--	--	NST	--	0.072	-13
PZ32	Benzo(a)anthracene	05/05 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ32	Benzo(a)pyrene	05/05 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ32	Benzo(b)fluoranthene	05/05 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ32	Benzo(g,h,i)perylene	05/05 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ32	Benzo(k)fluoranthene	05/05 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
PZ32	Chrysene	05/05 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ32	Dibenzo(a,h)anthracene	05/05 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ32	Fluoranthene	05/05 - 08/24	D-142	3 / 8	1 - 2	--	--	--	DWN	--	0.031	-16
PZ32	Fluorene	05/05 - 08/24	D-143	2 / 8	0.8 - 7	--	--	--	NST	--	0.072	-13
PZ32	Indeno(1,2,3-cd)pyrene	05/05 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ32	Naphthalene	05/05 - 08/24	--	0 / 8	--	--	--	--	--	--	--	--
PZ32	Phenanthrene	05/05 - 08/24	D-144	3 / 8	0.6 - 7	--	--	--	DWN	--	0.031	-16
PZ32	Pyrene	05/05 - 08/24	D-145	3 / 8	2 - 3	--	--	--	DWN	--	0.024	-17
PZ32	Total PAHs	05/05 - 08/24	D-146	5 / 5	0.42 - 47	16.3	9.8	19.2	DWN	5	0.042	-8
PZ32	Benzene	05/05 - 08/24	D-147	1 / 13	1.4 - 1.4	--	--	--	--	6	--	--
PZ32	Ethylbenzene	05/05 - 08/24	D-148	5 / 13	1.1 - 3.6	2.2	2	1.1	NST	--	0.091	-20
PZ32	m,p-Xylene	09/07 - 11/12	--	0 / 7	--	--	--	--	--	--	--	--
PZ32	o-Xylene	09/07 - 11/12	D-149	3 / 7	1.3 - 5.1	--	--	--	NST	5	0.386	-3
PZ32	Toluene	05/05 - 08/24	--	0 / 13	--	--	--	--	--	--	--	--
PZ32	Total BTEX	05/05 - 11/12	D-150	5 / 5	1.1 - 8.7	4.7	4	3.2	NST	5	0.242	-4
PZ32	Xylenes (total)	05/05 - 08/24	D-151	4 / 9	1.3 - 5.1	2.9	2.5	1.7	NST	--	0.090	-14
PZ35	Acenaphthene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Acenaphthylene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Anthracene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Benzo(a)anthracene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Benzo(a)pyrene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Benzo(b)fluoranthene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Benzo(g,h,i)perylene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Benzo(k)fluoranthene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Chrysene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Dibenzo(a,h)anthracene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Fluoranthene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Fluorene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Indeno(1,2,3-cd)pyrene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Naphthalene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Phenanthrene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Pyrene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Benzene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Ethylbenzene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Toluene	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ35	Xylenes (total)	05/05 - 08/24	--	0 / 3	--	--	--	--	--	--	--	--
PZ36	Acenaphthene	05/05 - 08/24	D-152	10 / 10	19 - 160	56.7	51	40.7	DWN	--	0.005	-29
PZ36	Acenaphthylene	05/05 - 08/24	D-153	6 / 6	5.4 - 62	20.3	11	21.6	DWN	5	0.008	-13
PZ36	Anthracene	05/05 - 08/24	D-154	9 / 10	0.58 - 12	5.2	3.5	4.3	DWN	--	<0.001	-42
PZ36	Benzo(a)anthracene	05/05 - 08/24	D-155	1 / 10	1 - 1	--	--	--	--	6	--	--
PZ36	Benzo(a)pyrene	05/05 - 08/24	D-156	1 / 10	0.6 - 0.6	--	--	--	--	6	--	--
PZ36	Benzo(b)fluoranthene	05/05 - 08/24	D-157	1 / 10	0.5 - 0.5	--	--	--	--	6	--	--

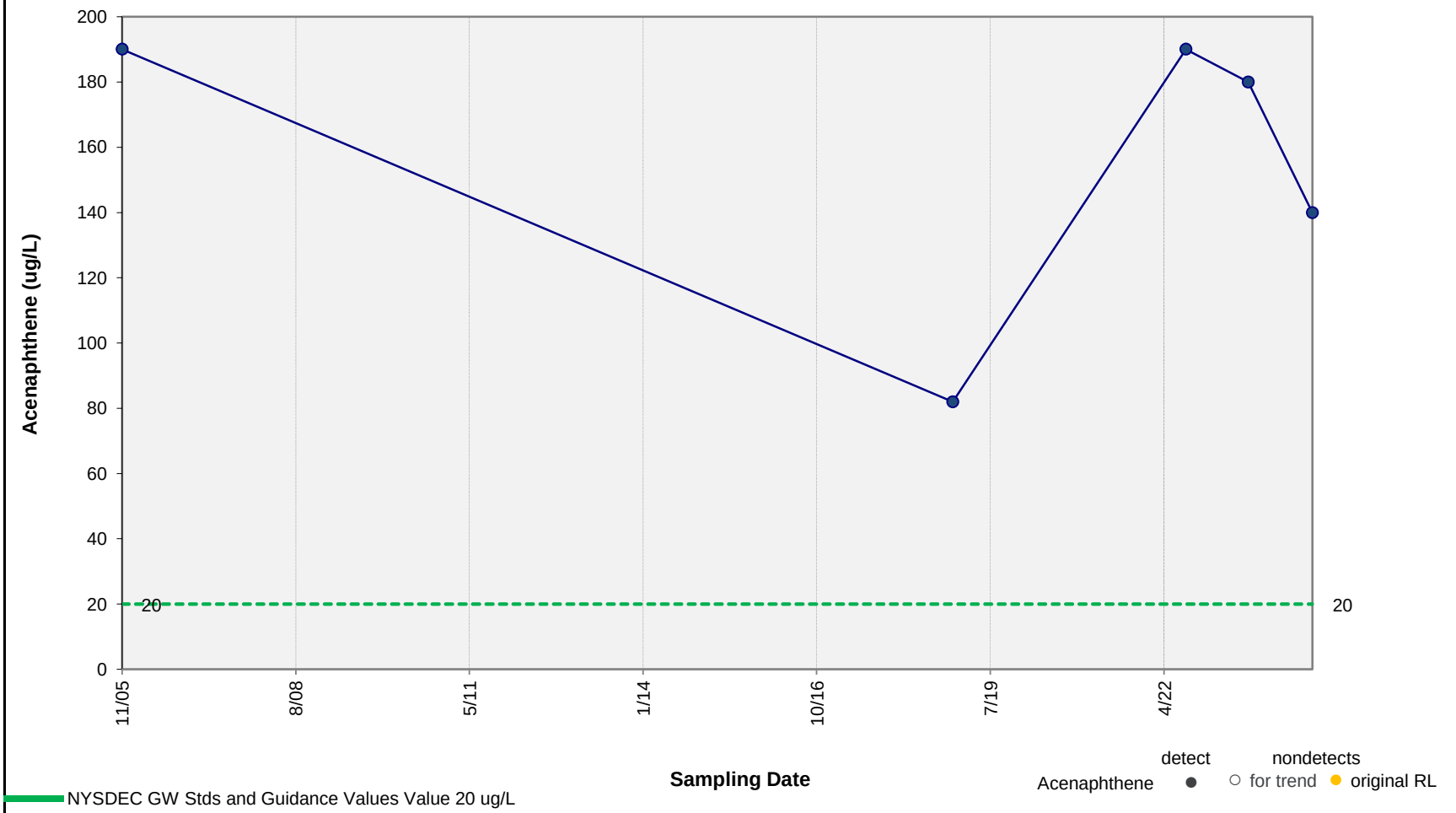
Appendix D
Summary Statistics and Trend Results
Periodic Review Report
New York State Electric & Gas
Dansville Former Manufactured Gas Plant Site

Well ID	Analyte	Date Range	Figure	FOD	Detected Results Summary [1]				Mann-Kendall Test [2,3]			
					Range	Mean	Median	SD	Result[4]	MK Result Note	P-Value	S Value
PZ36	Benzo(g,h,i)perylene	05/05 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ36	Benzo(k)fluoranthene	05/05 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ36	Chrysene	05/05 - 08/24	D-158	1 / 10	0.6 - 0.6	--	--	--	--	[6]	--	--
PZ36	Dibenzo(a,h)anthracene	05/05 - 08/24	--	0 / 6	--	--	--	--	--	--	--	--
PZ36	Fluoranthene	05/05 - 08/24	D-159	10 / 10	2.2 - 8	4.3	3.7	2.1	DWN	--	0.005	-29
PZ36	Fluorene	05/05 - 08/24	D-160	10 / 10	1.4 - 36	11.6	11.5	10.2	DWN	--	<0.001	-41
PZ36	Indeno(1,2,3-cd)pyrene	05/05 - 08/24	--	0 / 10	--	--	--	--	--	--	--	--
PZ36	Naphthalene	05/05 - 08/24	D-161	6 / 10	3.8 - 550	103	16.2	219	DWN	--	0.023	-23
PZ36	Phenanthrene	05/05 - 08/24	D-162	9 / 10	1.1 - 73	25.8	25	23	DWN	--	<0.001	-40
PZ36	Pyrene	05/05 - 08/24	D-163	10 / 10	2.9 - 9	5.3	4.7	2.3	DWN	--	0.004	-30
PZ36	Total PAHs	05/05 - 08/24	D-164	10 / 10	34 - 1300	229	110	383	DWN	--	<0.001	-42
PZ36	Benzene	05/05 - 08/24	D-165	13 / 13	3.8 - 36	15.7	13	10.8	NST	--	0.080	-24
PZ36	Ethylbenzene	05/05 - 08/24	D-166	11 / 13	1.3 - 170	46	23	50.5	NST	--	0.089	-23
PZ36	m,p-Xylene	09/07 - 11/12	D-167	6 / 7	3.9 - 25	11.8	10.5	7.1	NST	[5]	0.386	-3
PZ36	o-Xylene	09/07 - 11/12	D-168	7 / 7	7.4 - 68	38.6	34	20.3	NST	[5]	0.500	1
PZ36	Toluene	05/05 - 08/24	D-169	7 / 13	0.71 - 20	8.3	6.7	6.4	NST	--	0.151	-17
PZ36	Total BTEX	05/05 - 08/24	D-170	13 / 13	4 - 370	98.1	61	108	DWN	--	0.016	-36
PZ36	Xylenes (total)	05/05 - 08/24	D-171	11 / 13	1.8 - 150	46.5	42	44.9	DWN	--	0.014	-37

Abbreviations:
-- insufficient data for calculating statistics (n < 4) or not available
FOD = frequency of detection (# detects / # samples)
mean = arithmetic mean
MK = Mann-Kendall
RL = reporting limit
SD = standard deviation
NST = no significant trend
DWN = downward trend
UP = upward trend

Notes:
[1] All analytical results are in micrograms per liter. Result values less than 10 are reported to 2 significant figures; values greater than 10 are reported to 3 significant figures.
[2] Trend results are presented when at least four samples and one detected value are available. Significance of trends evaluated at 95% confidence (alpha = 0.05).
[3] Non-detects were assigned a common value less than the minimum detected value, equal to half the minimum RL in the dataset (USEPA 2009).
If half the minimum RL was greater than the minimum detected value, then half the minimum detect was assigned.
[4] Statistically significant trend defined as having p-value ≤ 0.05, or 95% confidence.
[5] MK Trend results for datasets with fewer than 8 samples may not be reliable and should be treated with caution.
[6] MK Trend results for datasets with an FOD < 25% may not be reliable and should be treated with caution.

Reference:
USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. Unified Guidance. EPA/530/R-09/007, 2009.



Results of Mann-Kendall Test for Trend: **No Significant Trend**

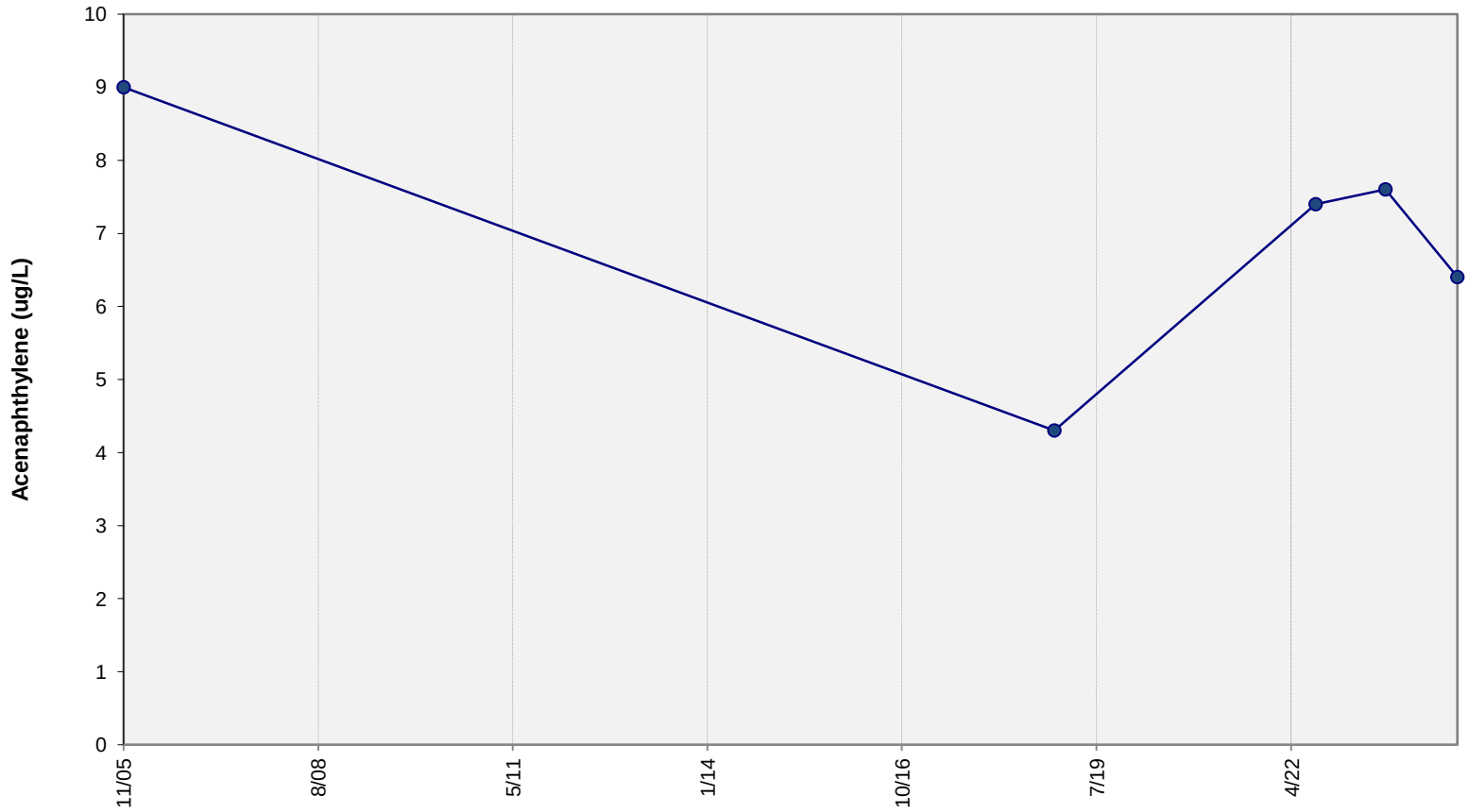
p value = 0.325 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-1



Results of Mann-Kendall Test for Trend: **No Significant Trend**

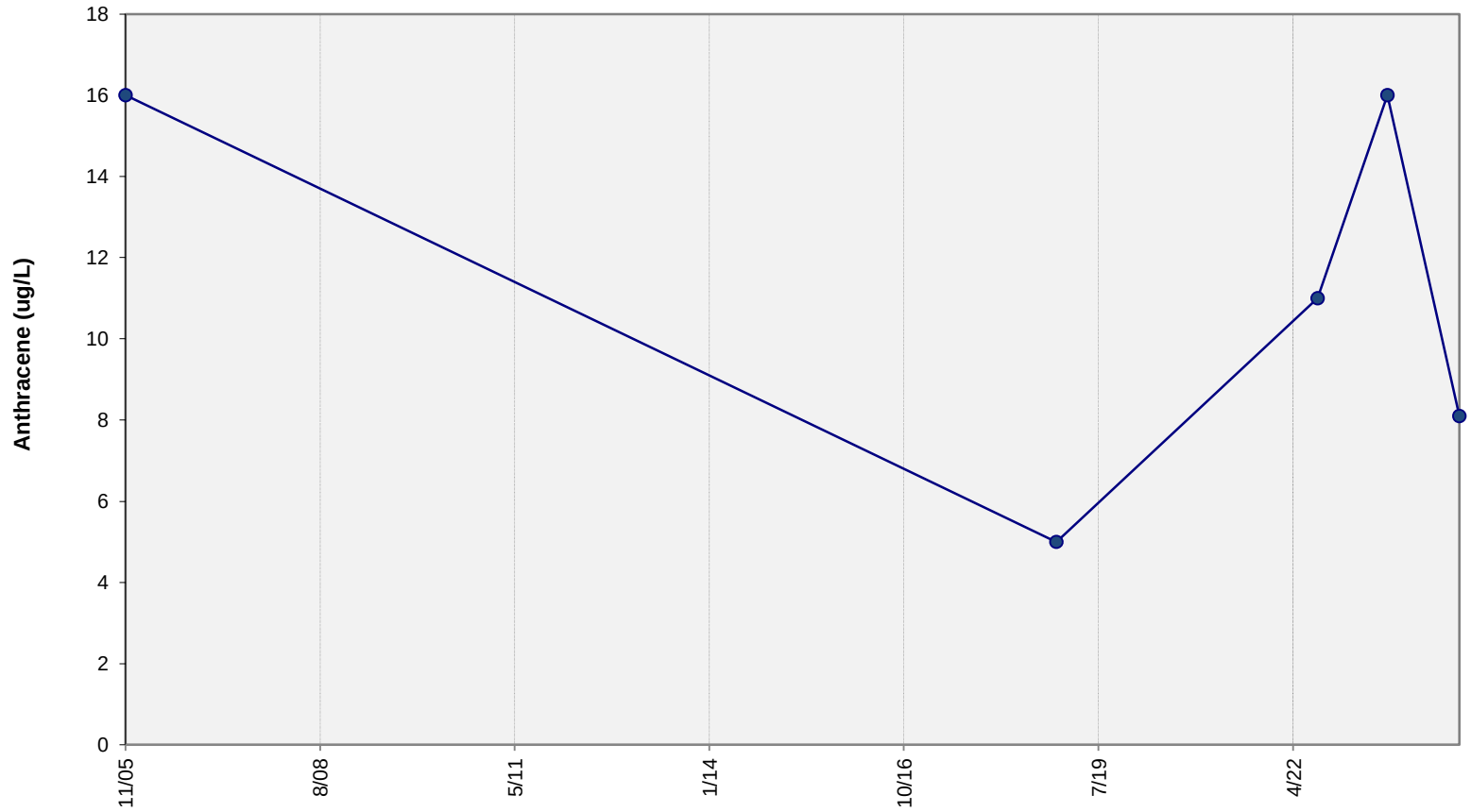
p value = 0.408 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthylene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-2



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

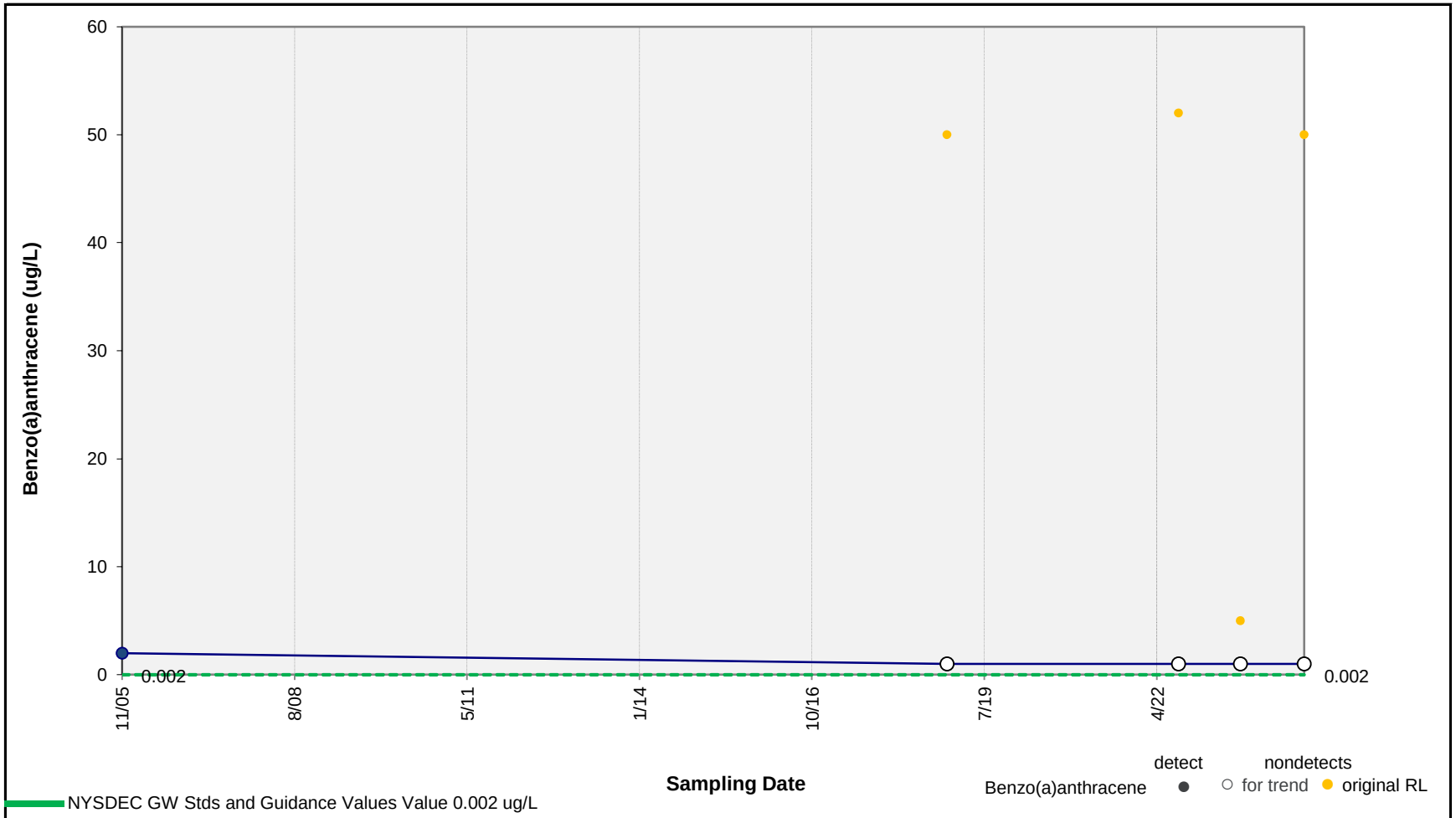
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Anthracene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-3



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

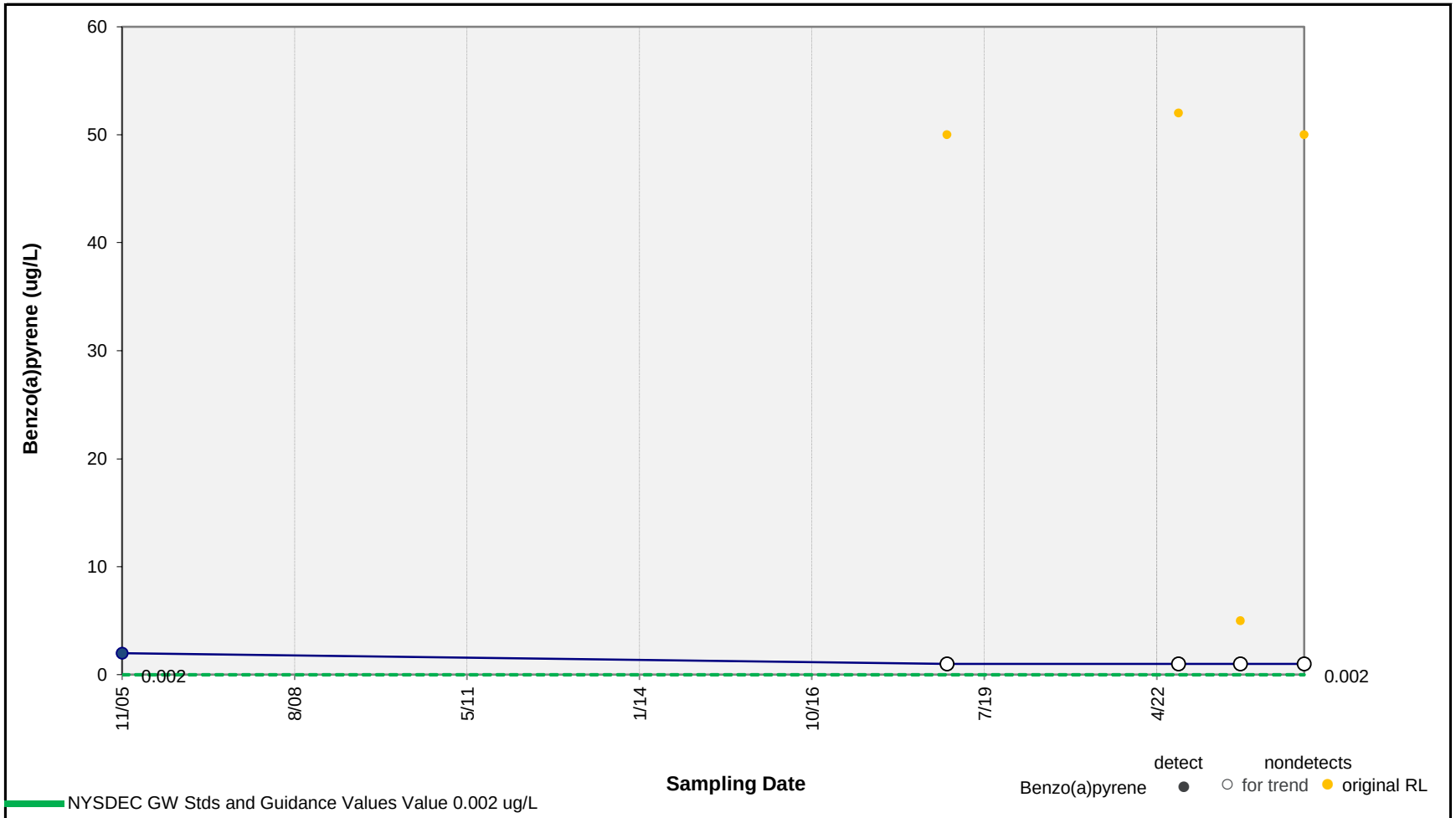
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(a)anthracene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-4



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

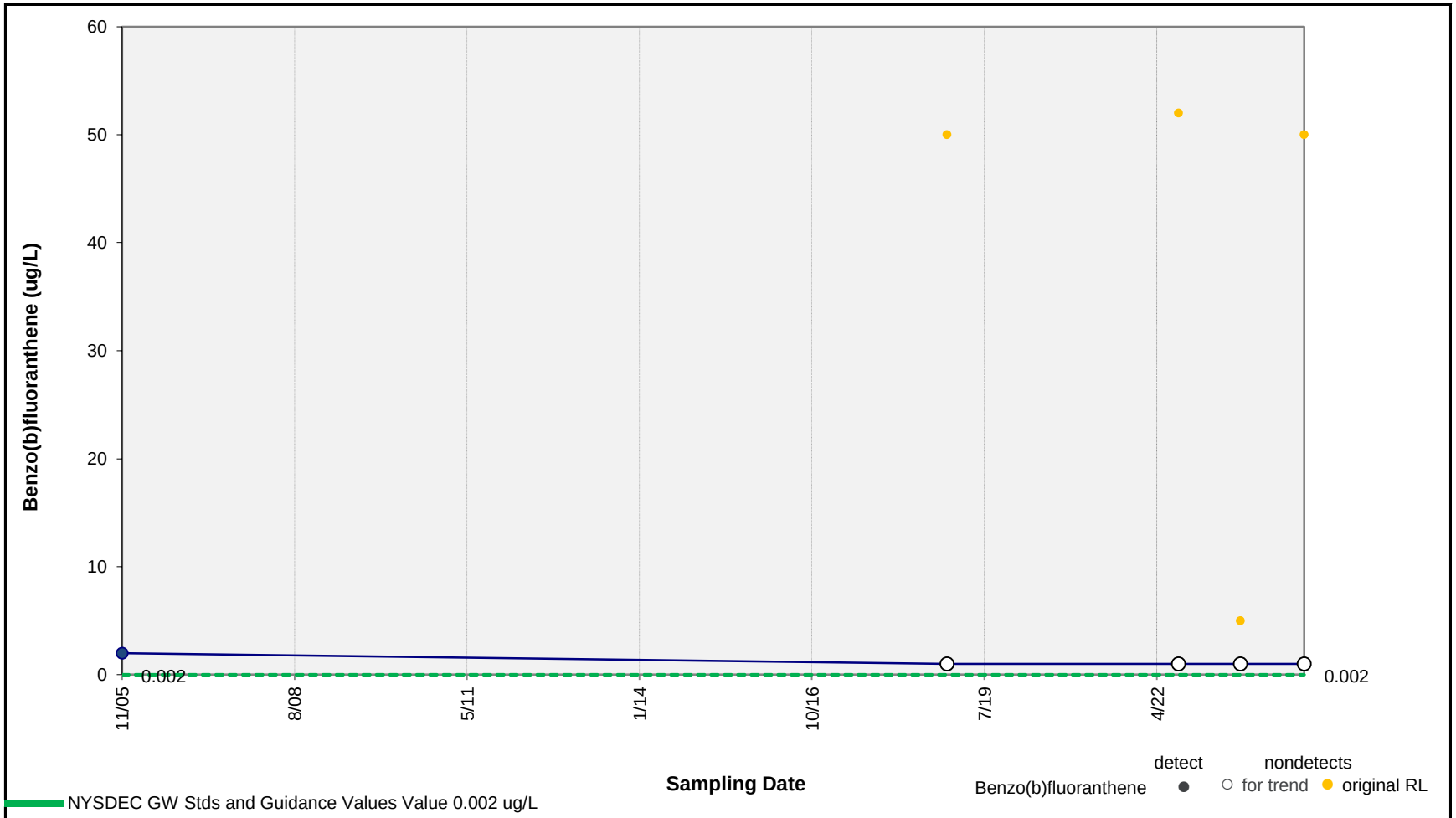
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(a)pyrene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-5



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

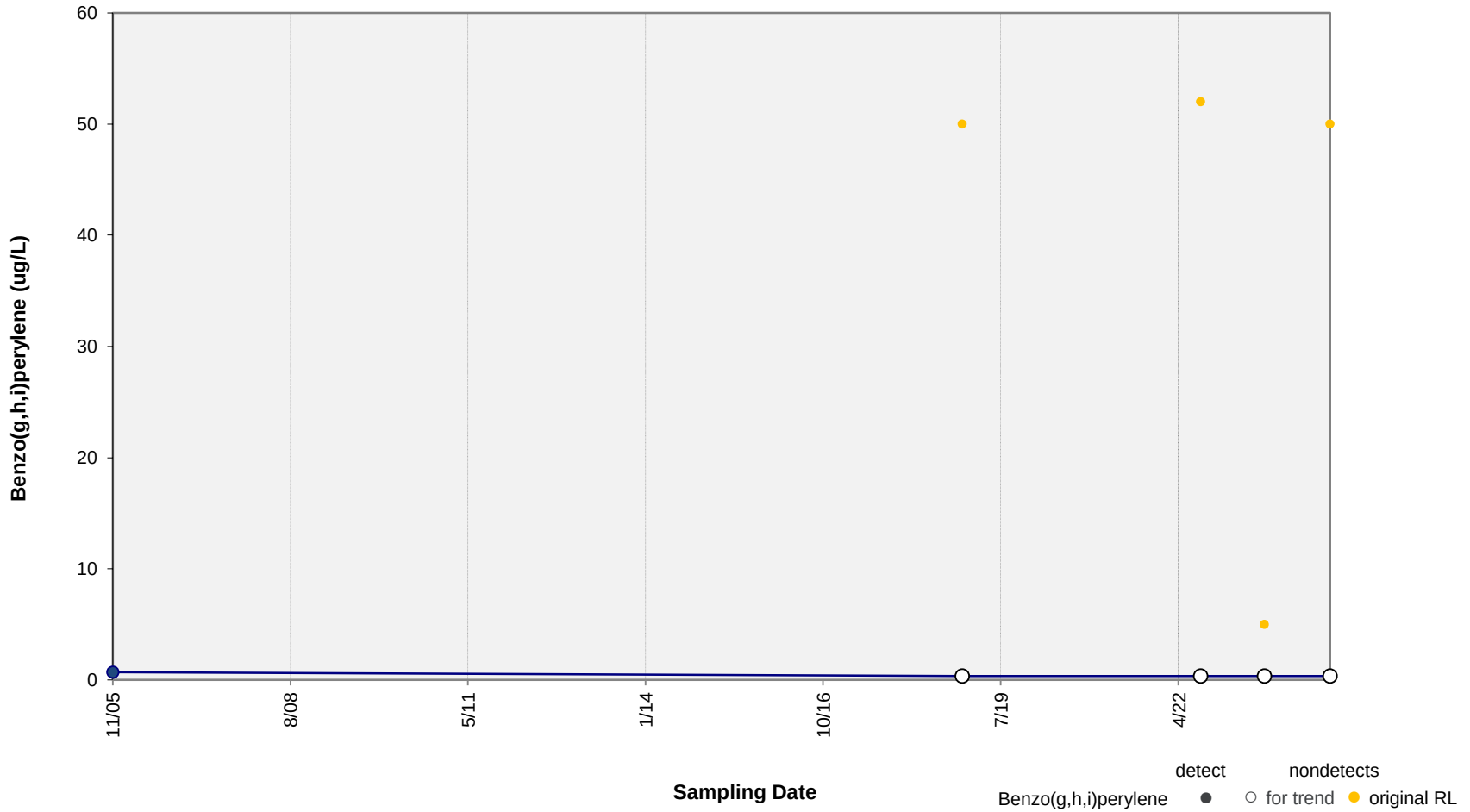
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(b)fluoranthene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-6



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

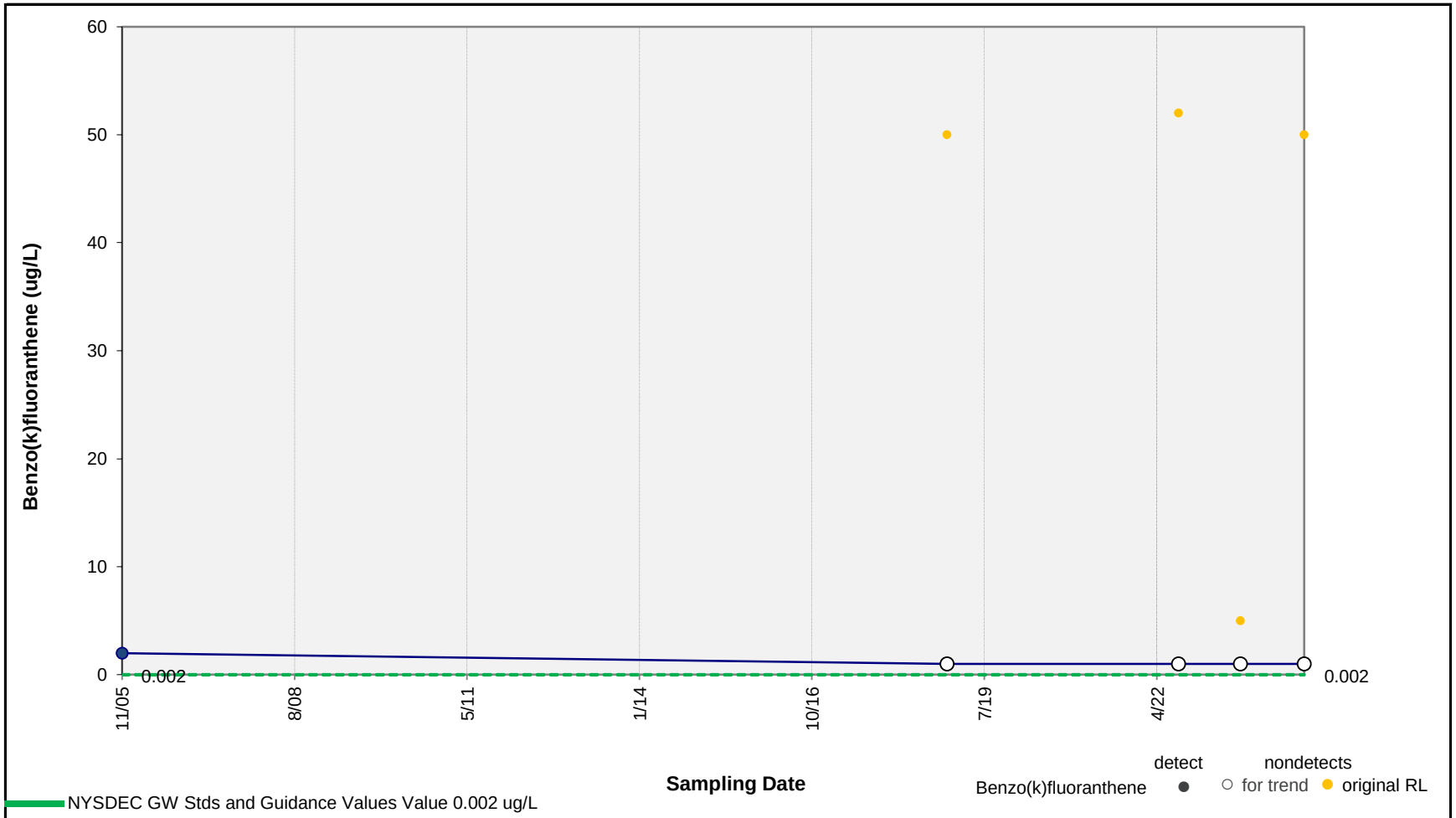
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(g,h,i)perylene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-7



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

p value = --

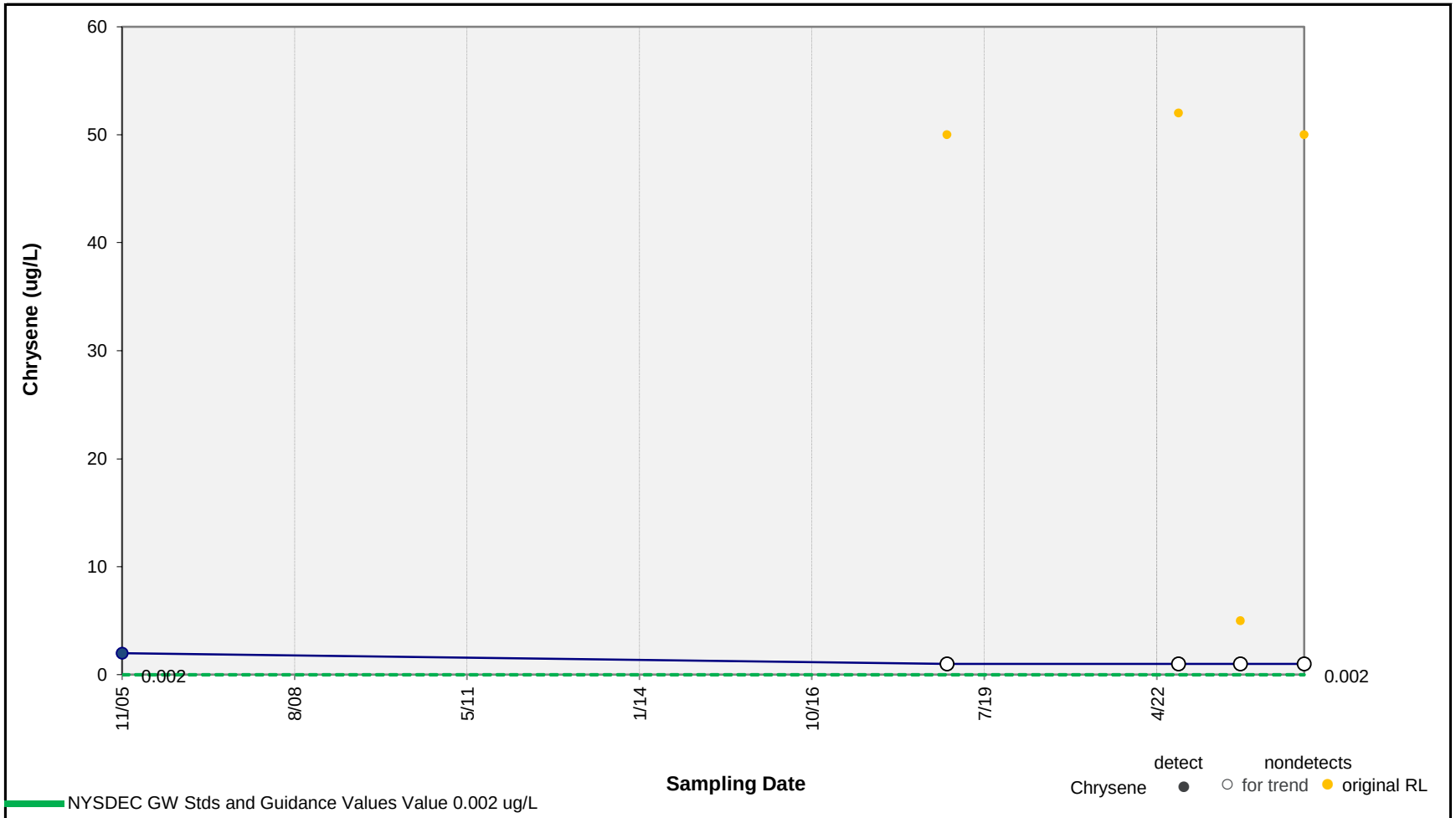
Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(k)fluoranthene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-8



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

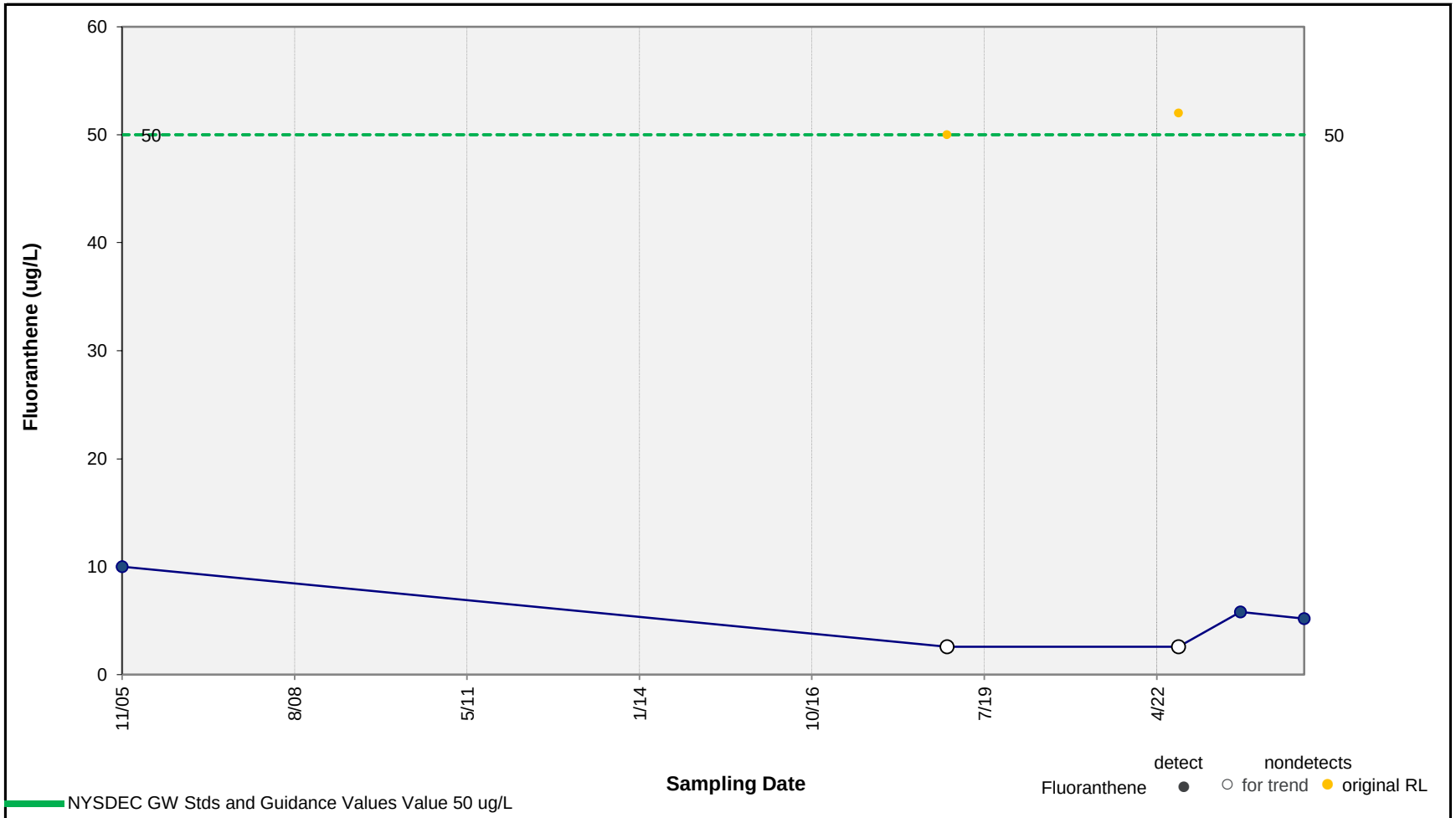
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Chrysene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-9



Results of Mann-Kendall Test for Trend: **No Significant Trend**

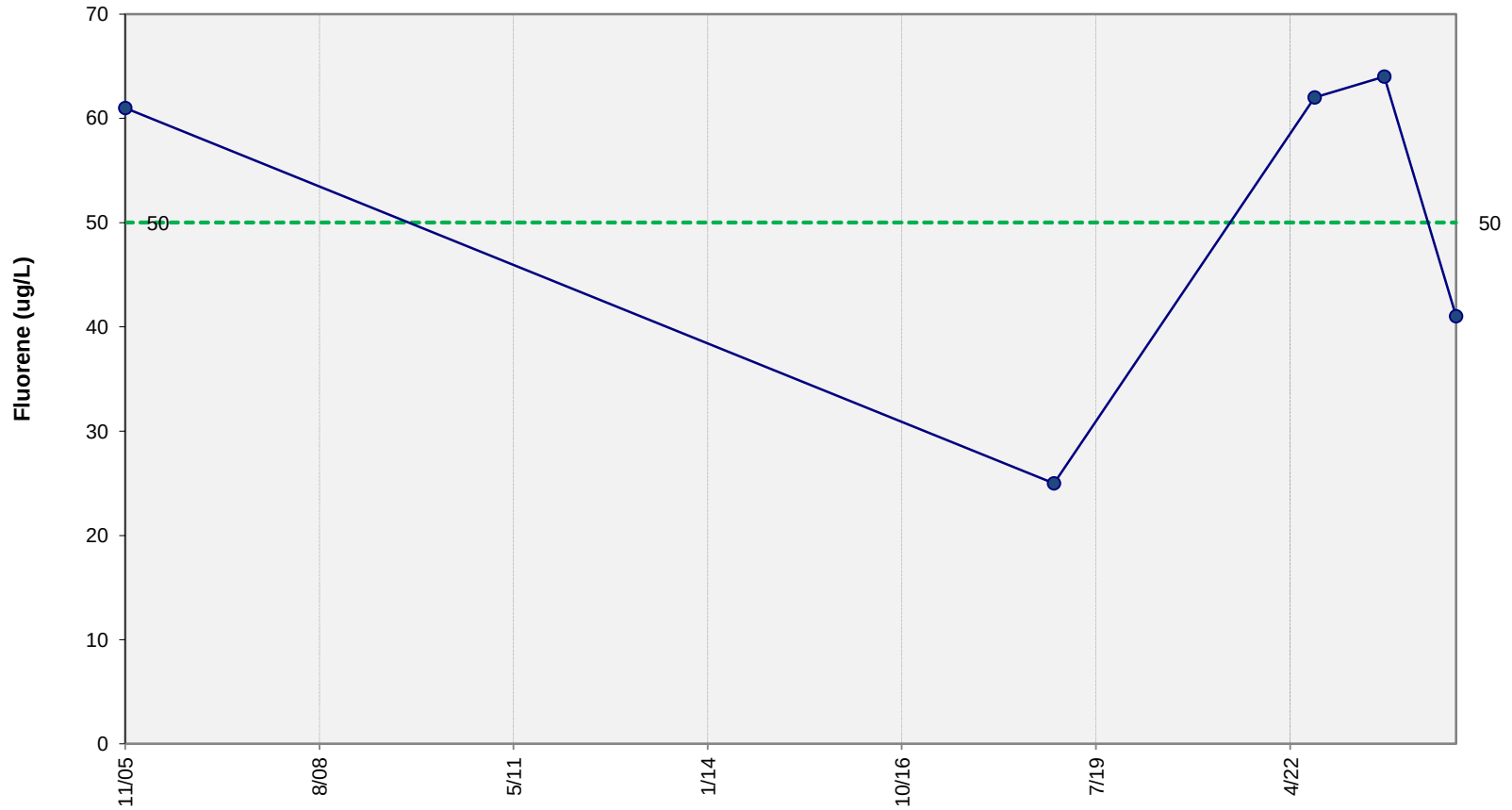
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-10



Results of Mann-Kendall Test for Trend: **No Significant Trend**

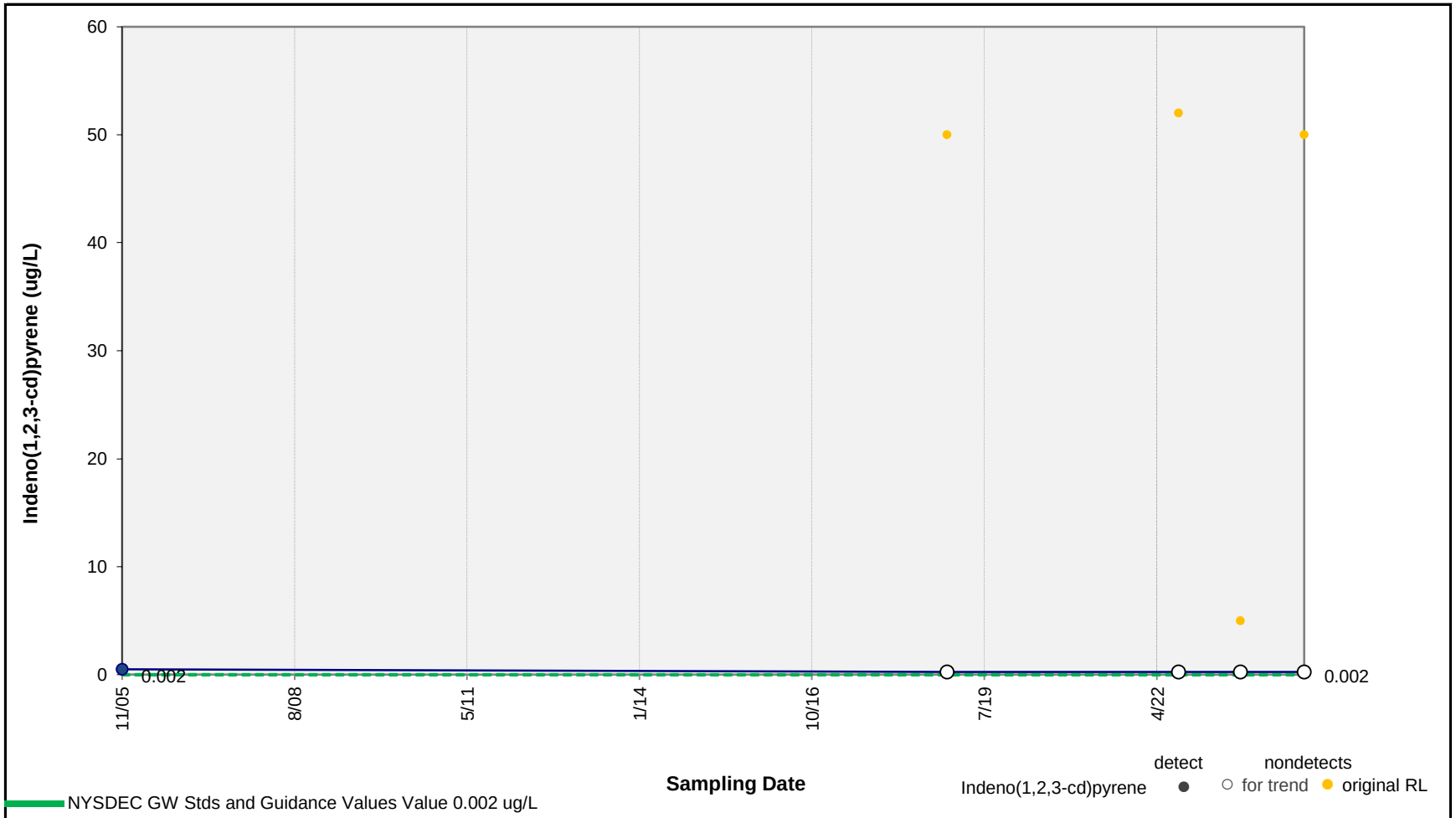
p value = 0.408 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluorene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-11



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

p value = --

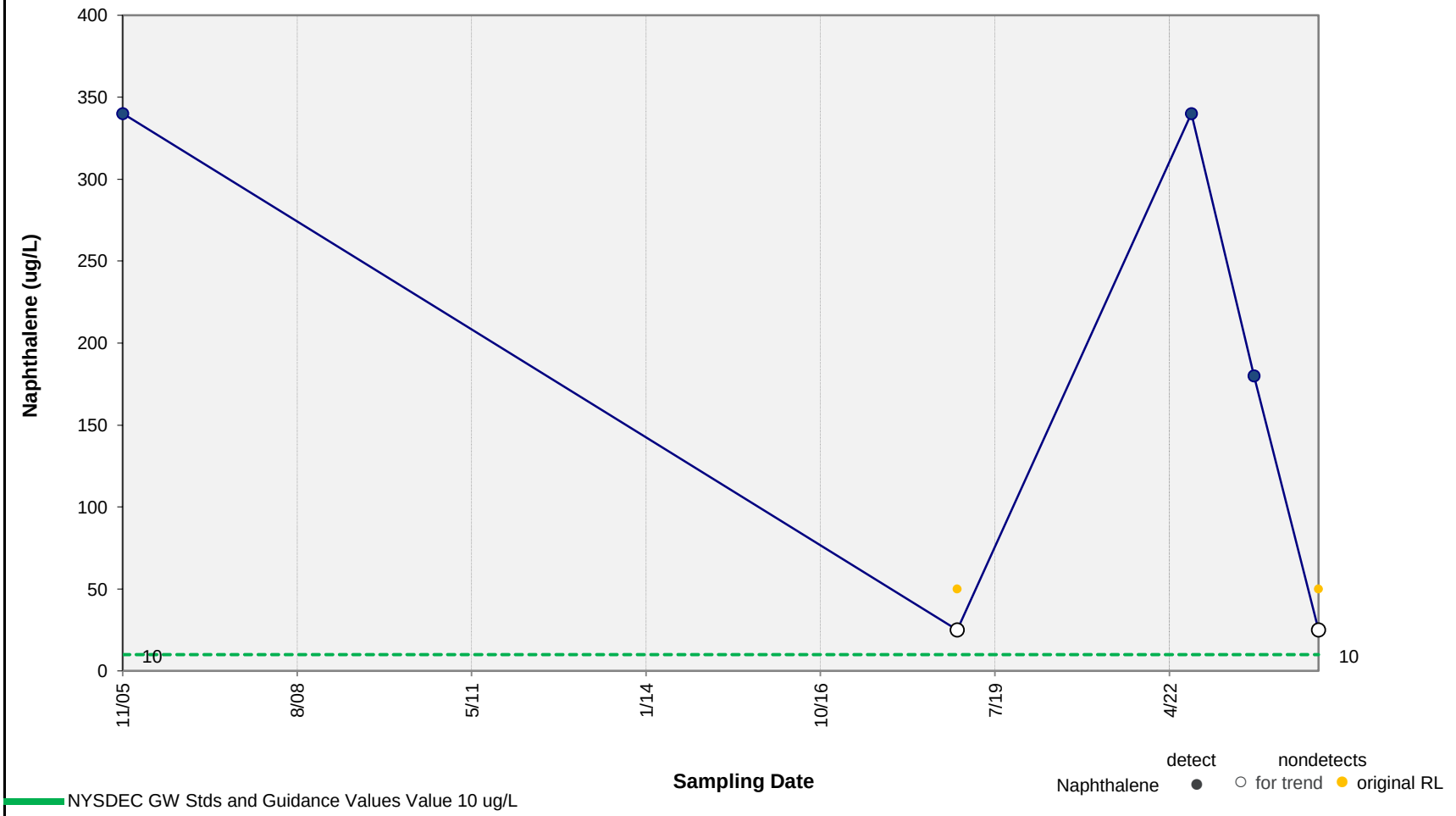
Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Indeno(1,2,3-cd)pyrene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-12



Results of Mann-Kendall Test for Trend: **No Significant Trend**

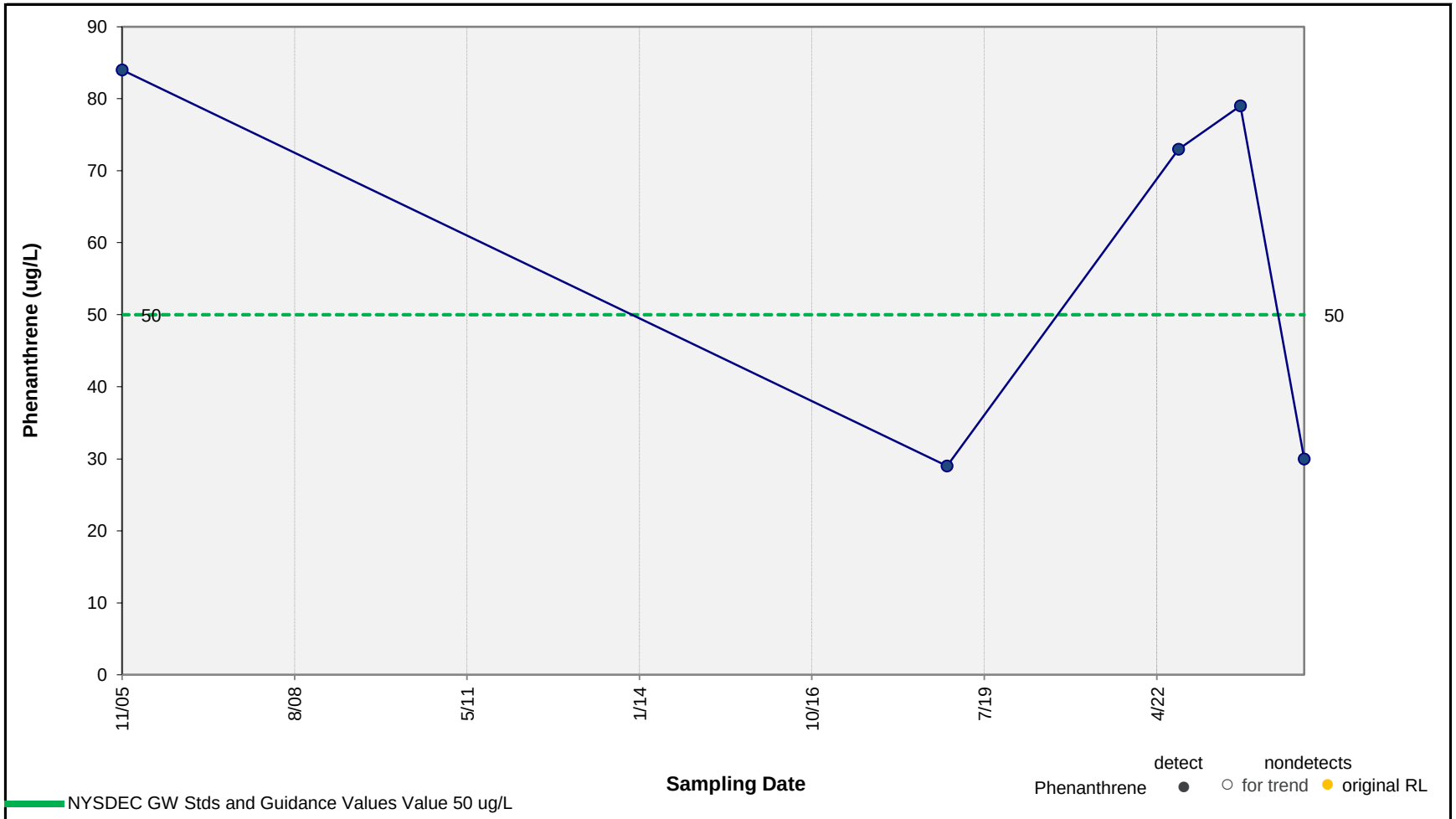
p value = 0.242 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Naphthalene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-13



Results of Mann-Kendall Test for Trend: **No Significant Trend**

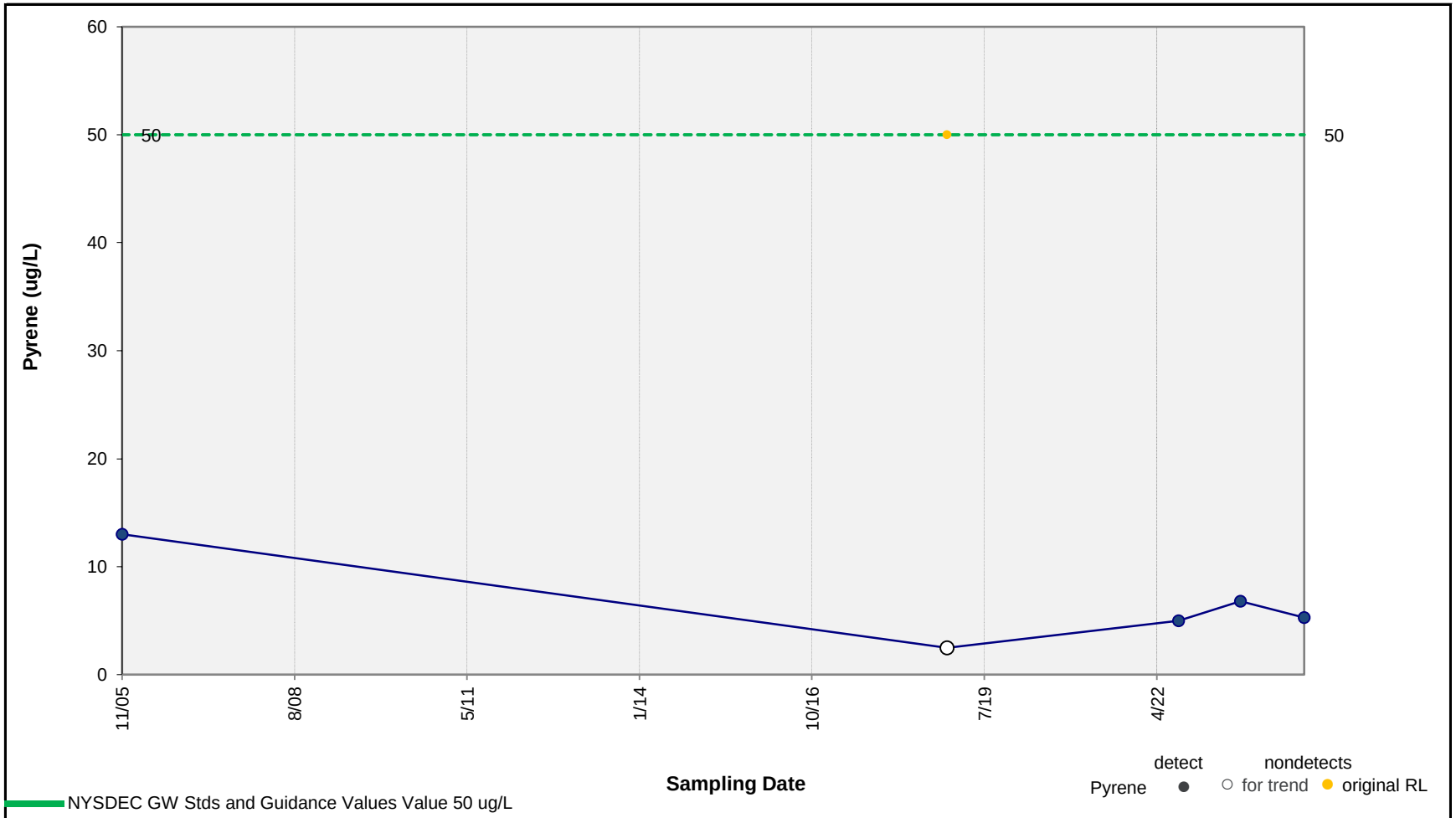
p value = 0.408 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-14



Results of Mann-Kendall Test for Trend: **No Significant Trend**

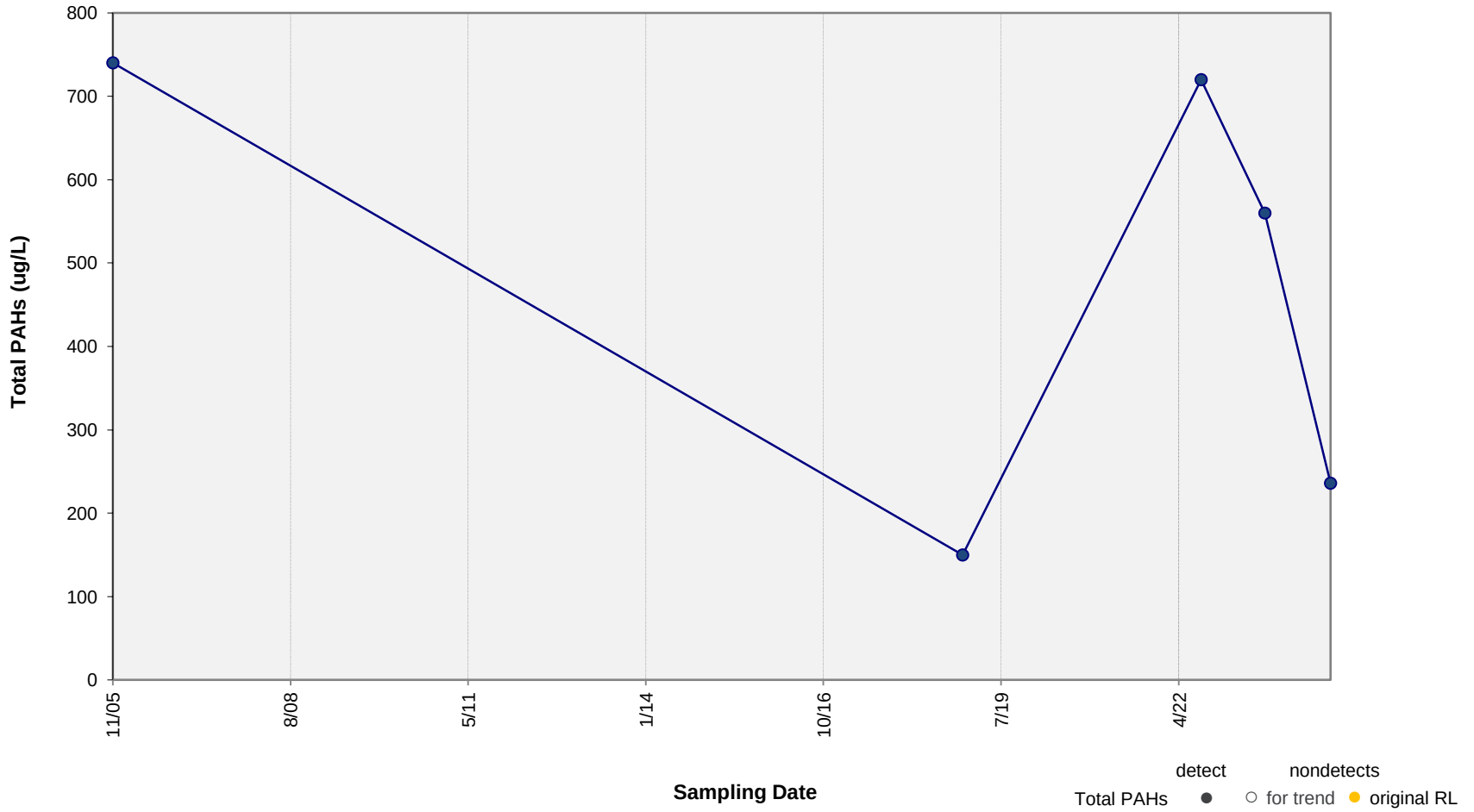
p value = 0.592 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-15



Results of Mann-Kendall Test for Trend: **No Significant Trend**

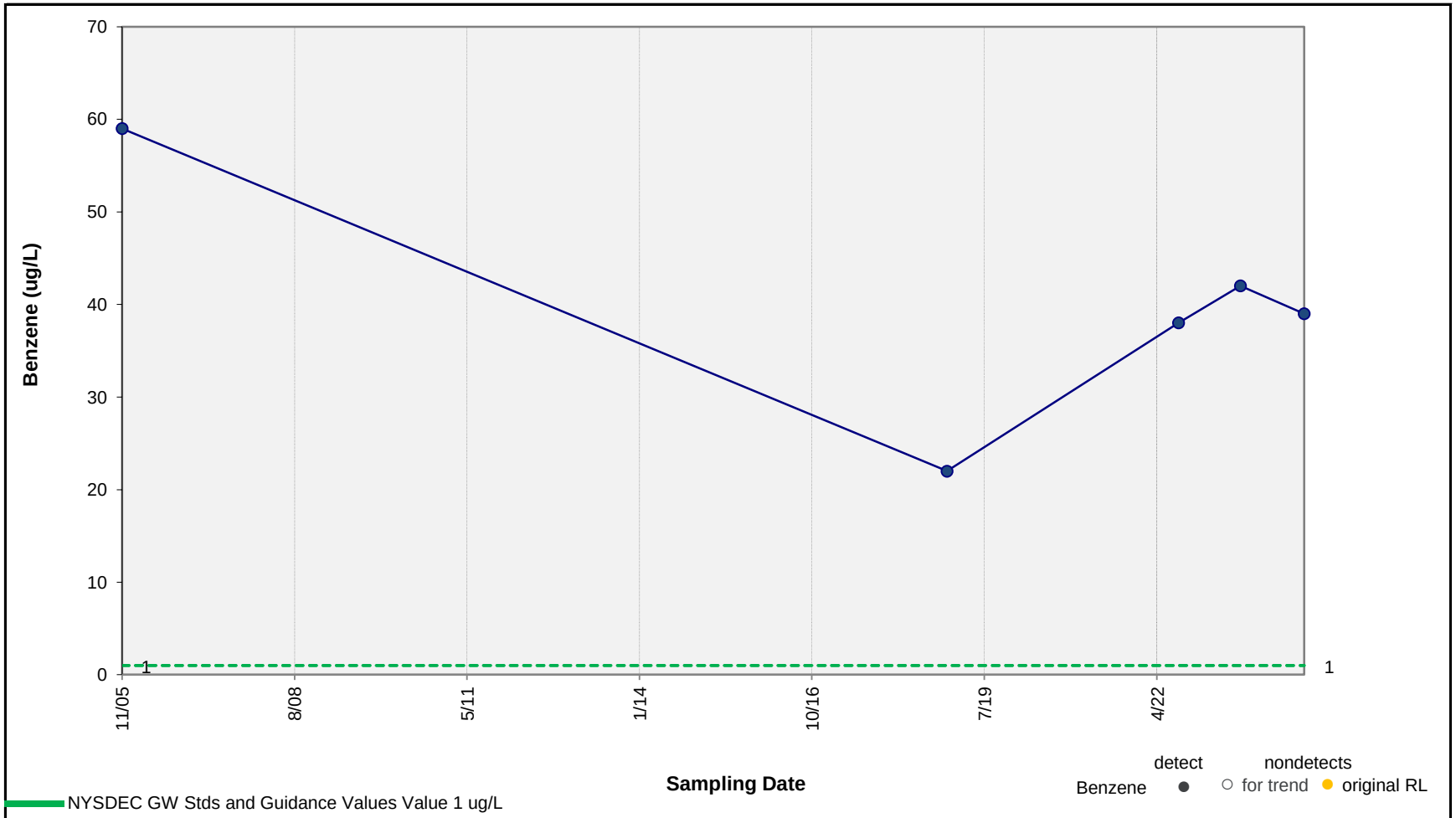
p value = 0.242 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total PAHs in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-16



Results of Mann-Kendall Test for Trend: **No Significant Trend**

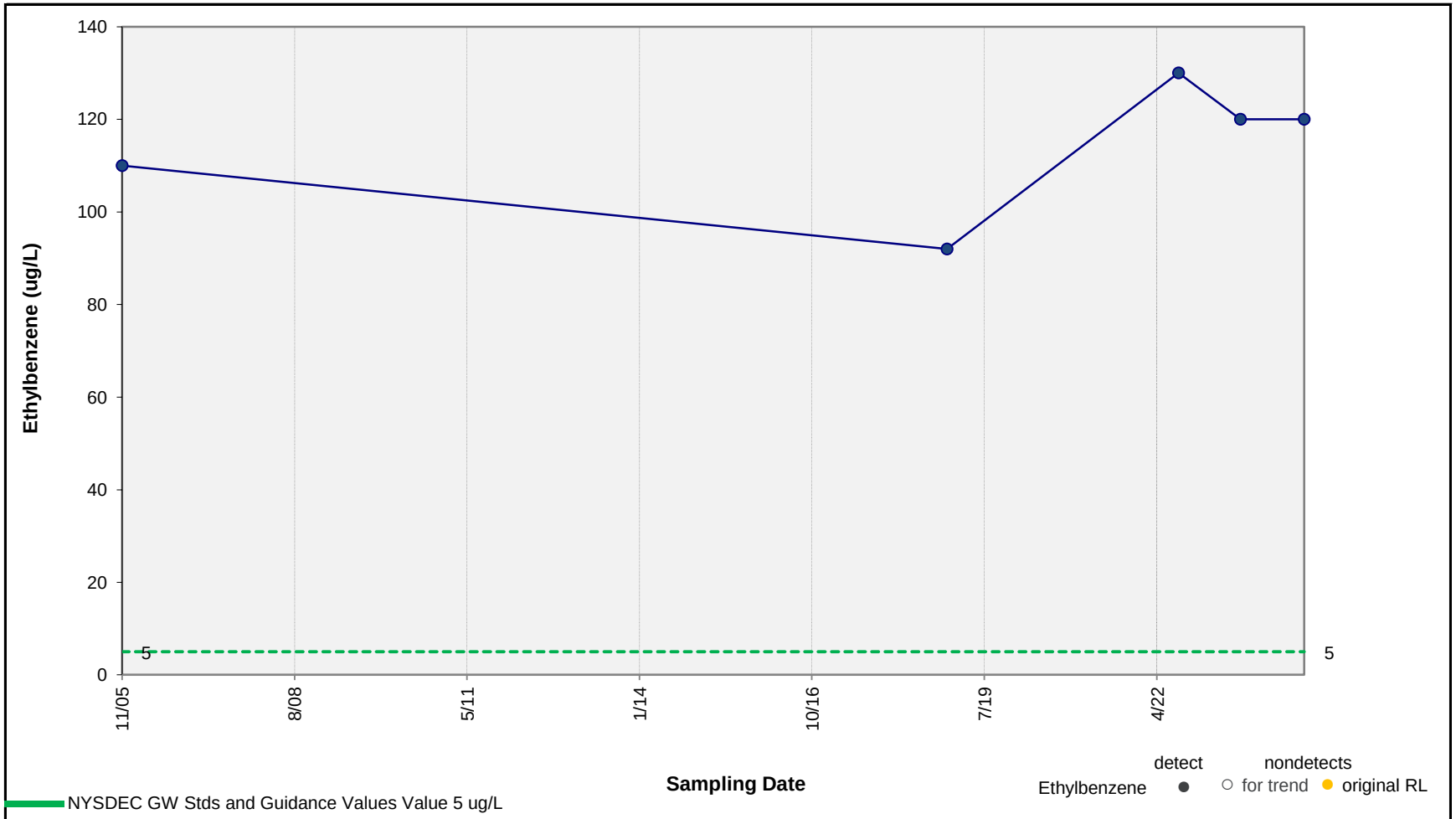
p value = 0.592 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-17



Results of Mann-Kendall Test for Trend: **No Significant Trend**

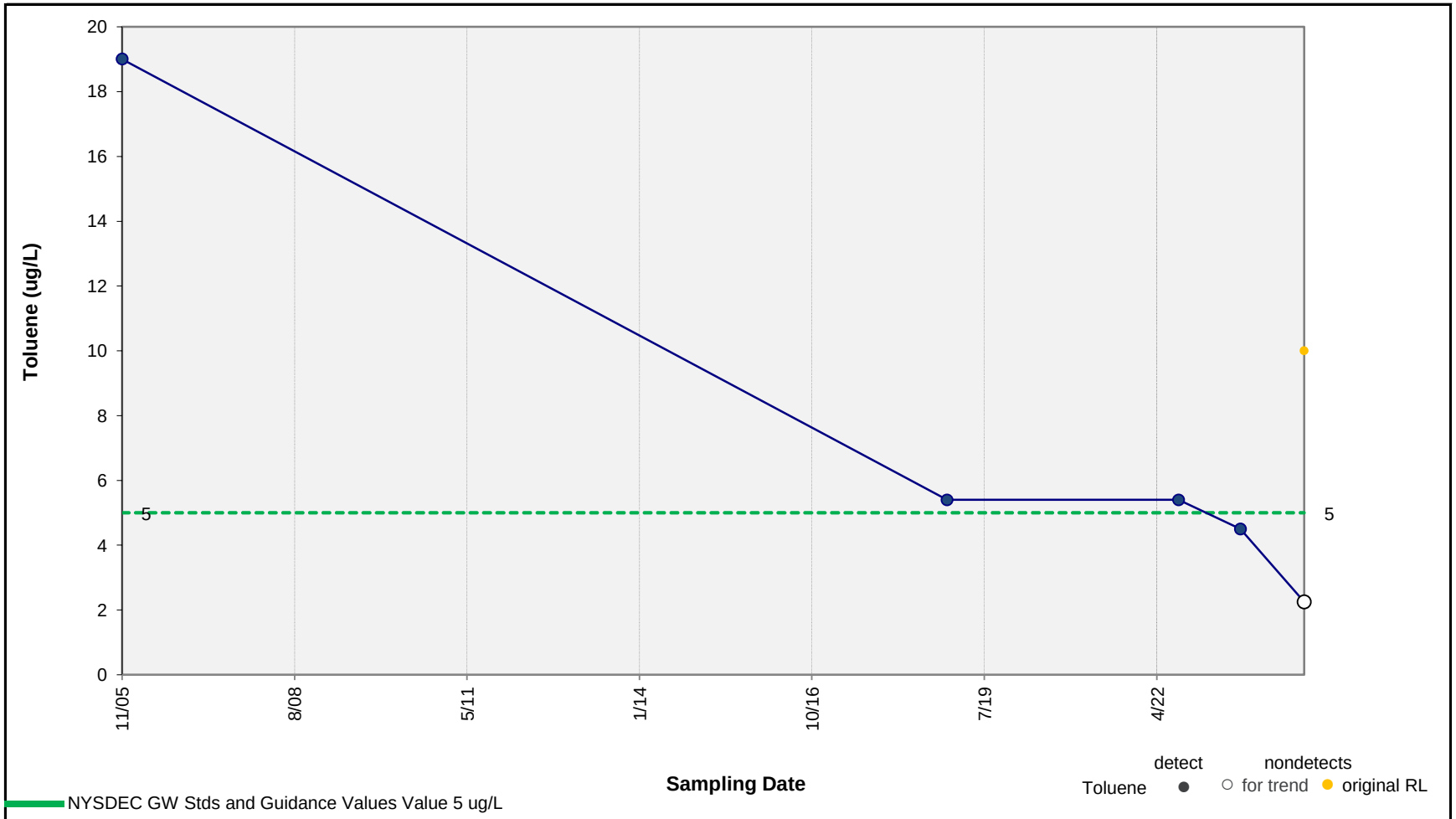
p value = 0.325 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-18



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

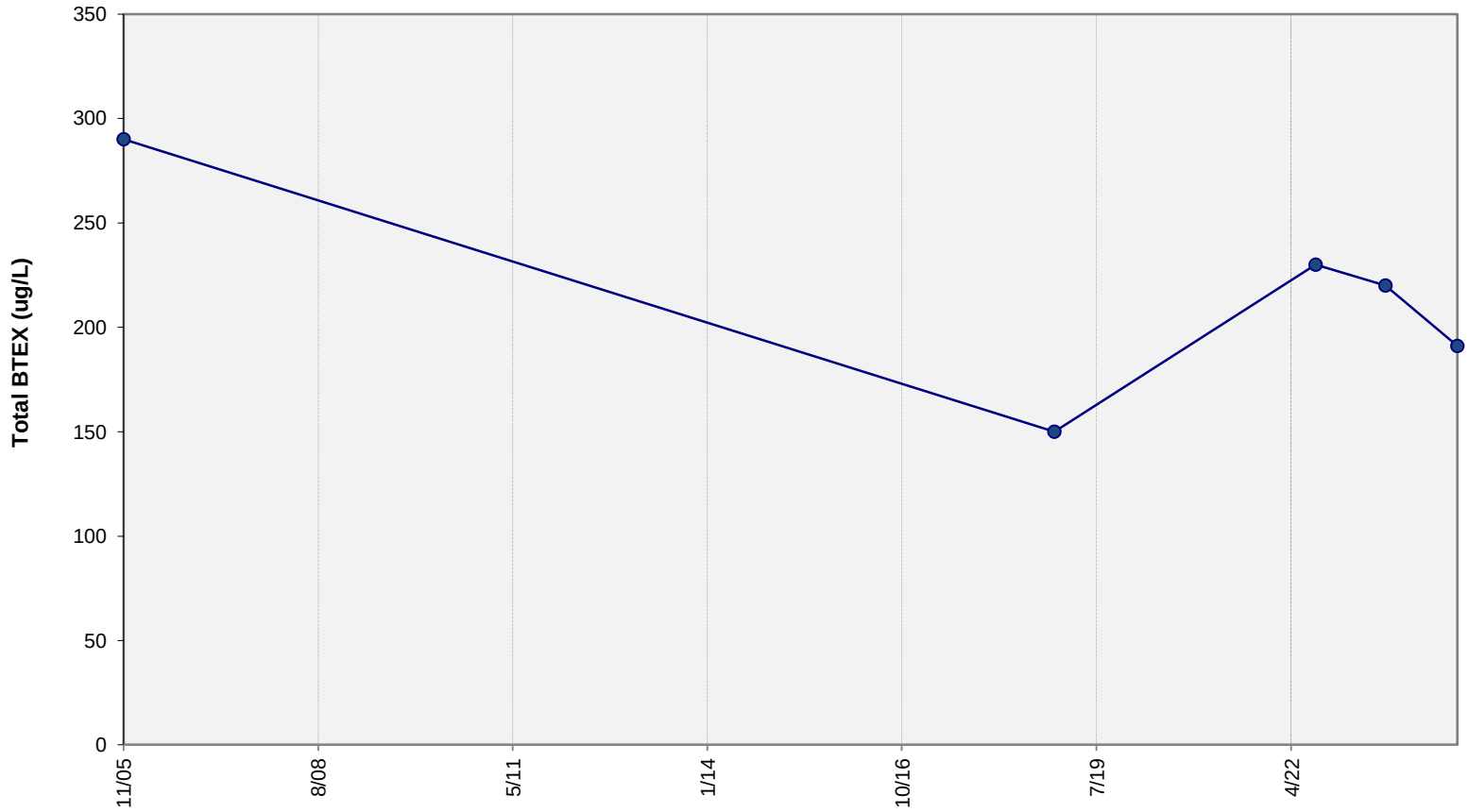
p value = 0.025 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Toluene in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-19



Results of Mann-Kendall Test for Trend: **No Significant Trend**

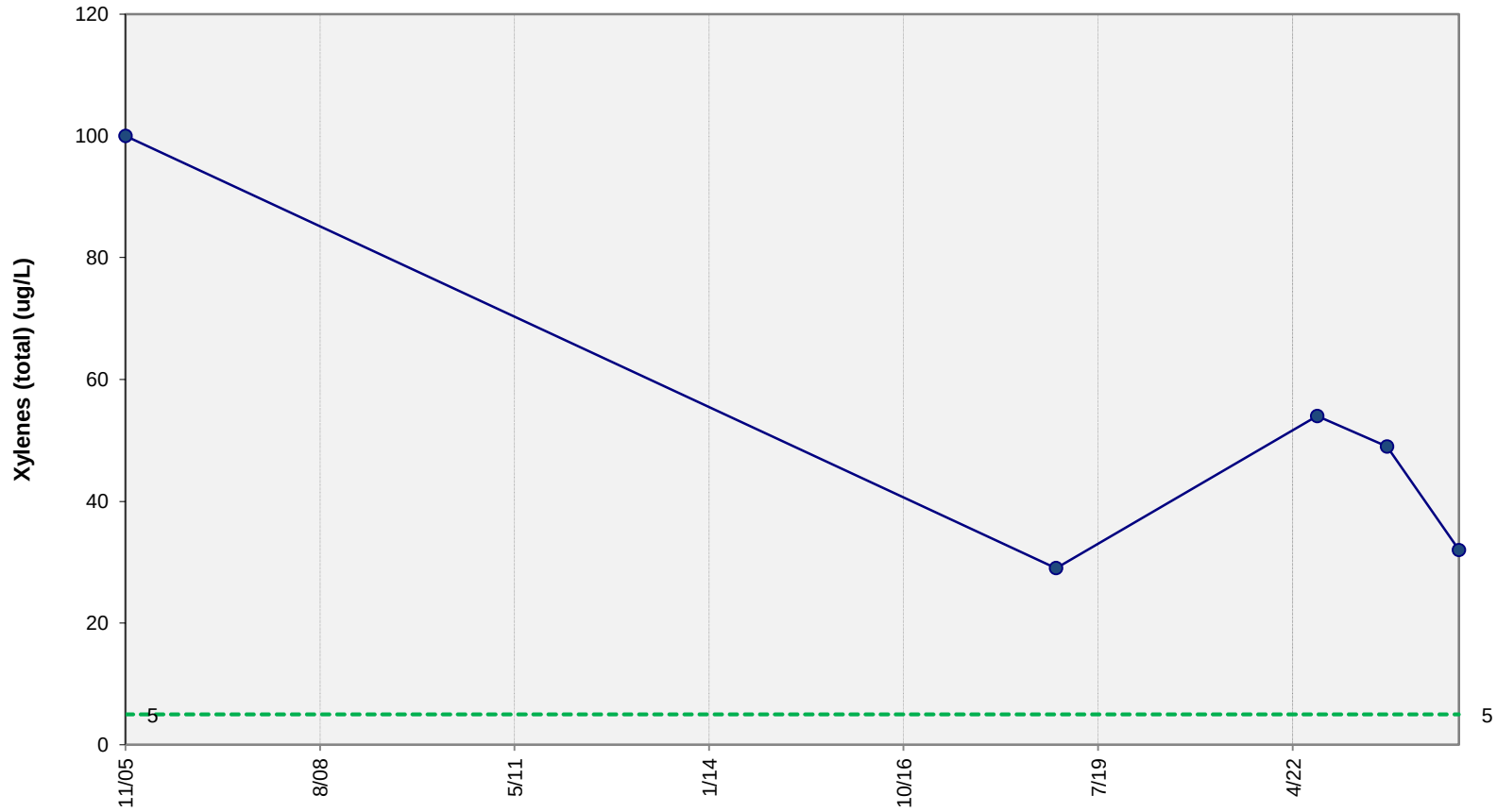
p value = 0.242 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-20



Results of Mann-Kendall Test for Trend: **No Significant Trend**

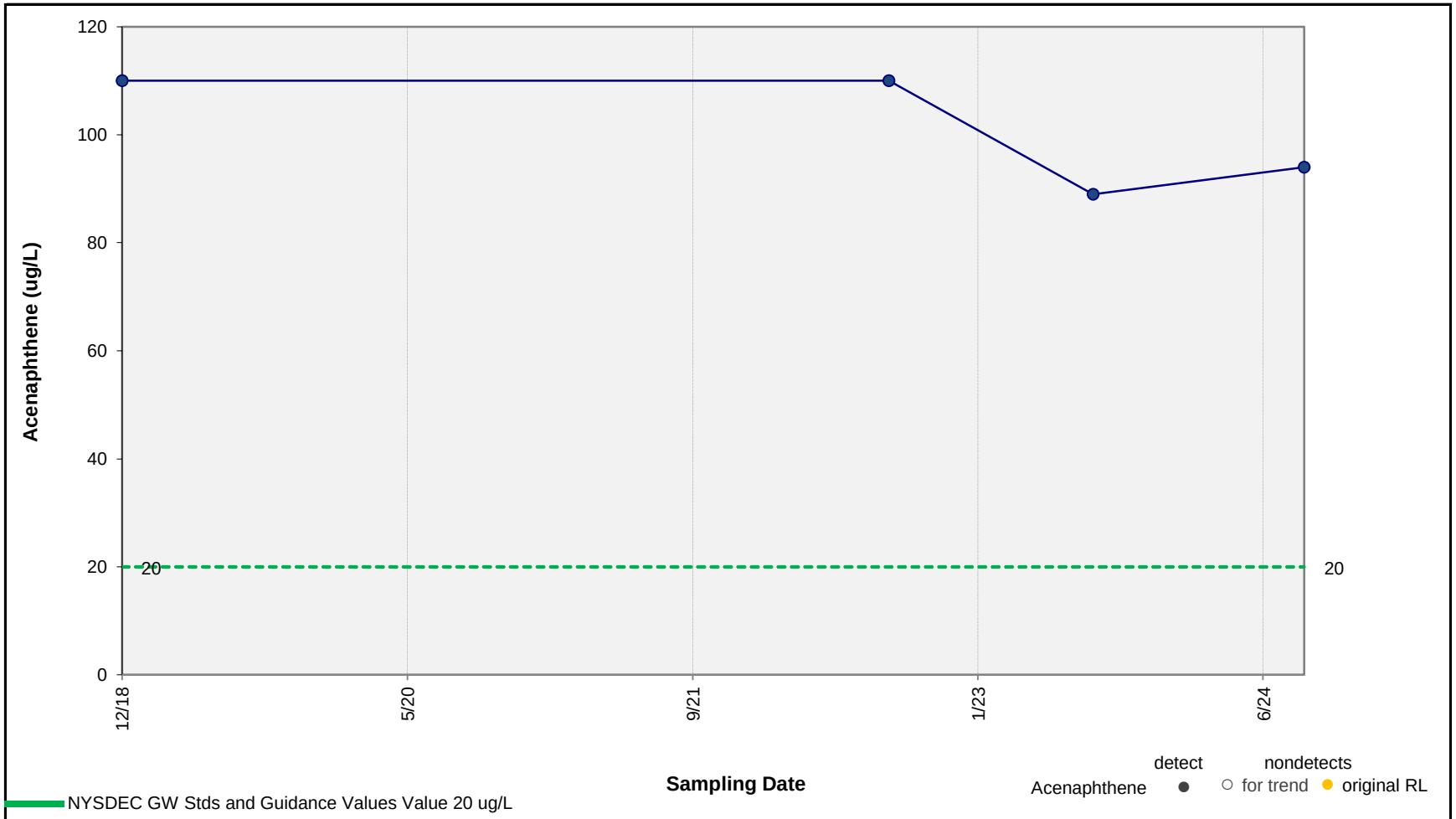
p value = 0.242 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well MW04S

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-21



Results of Mann-Kendall Test for Trend: **No Significant Trend**

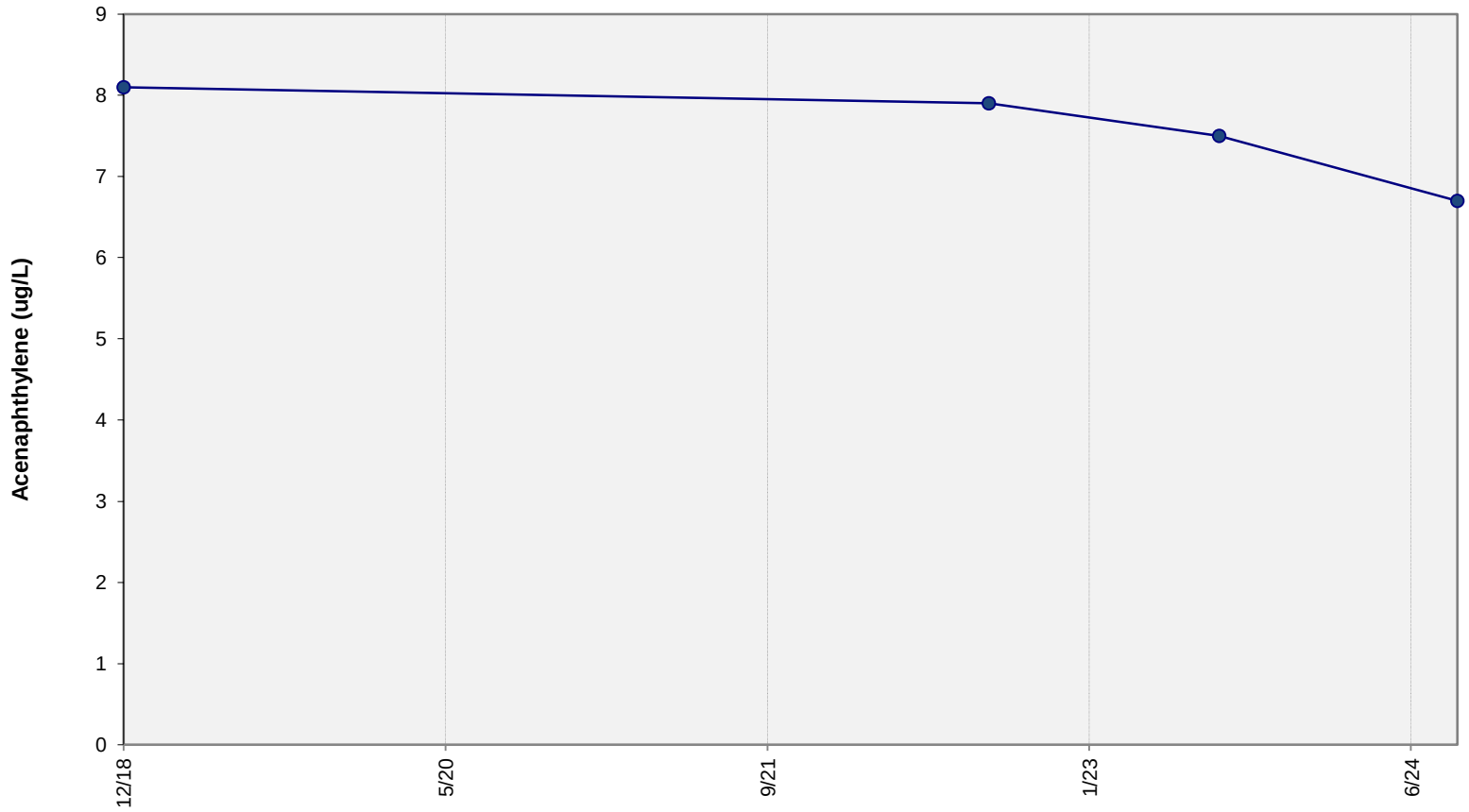
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-22



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

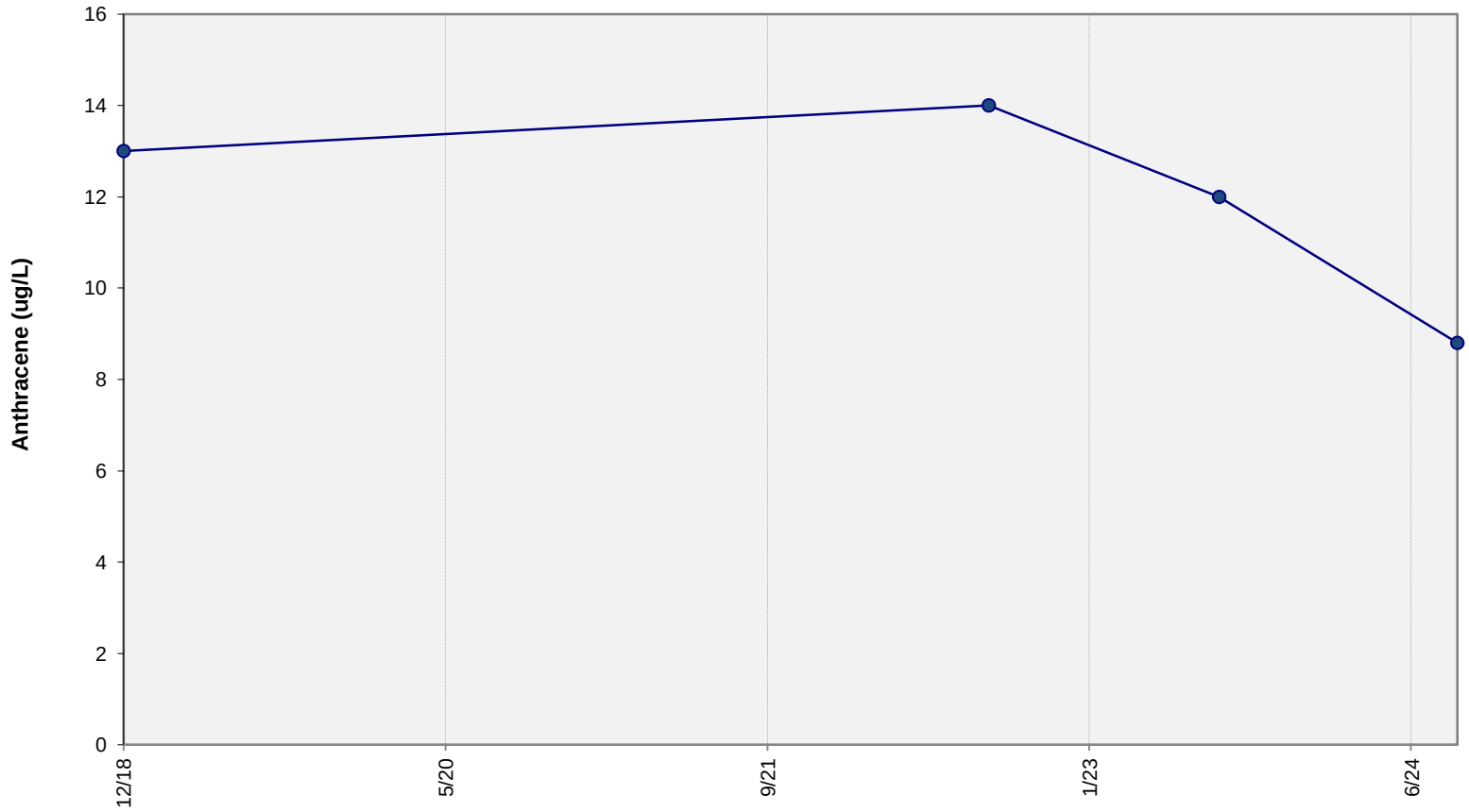
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthylene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-23



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

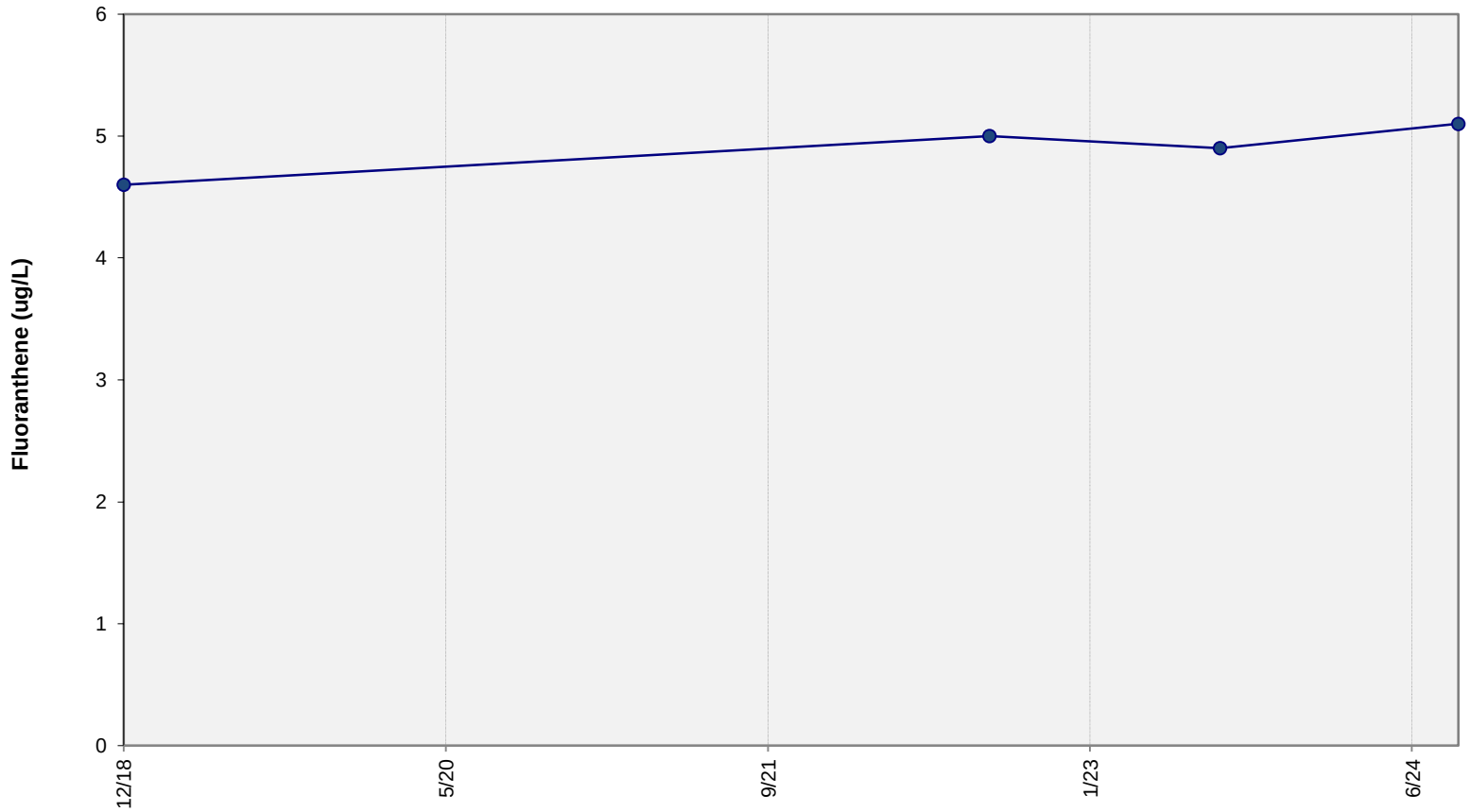
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Anthracene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-24



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

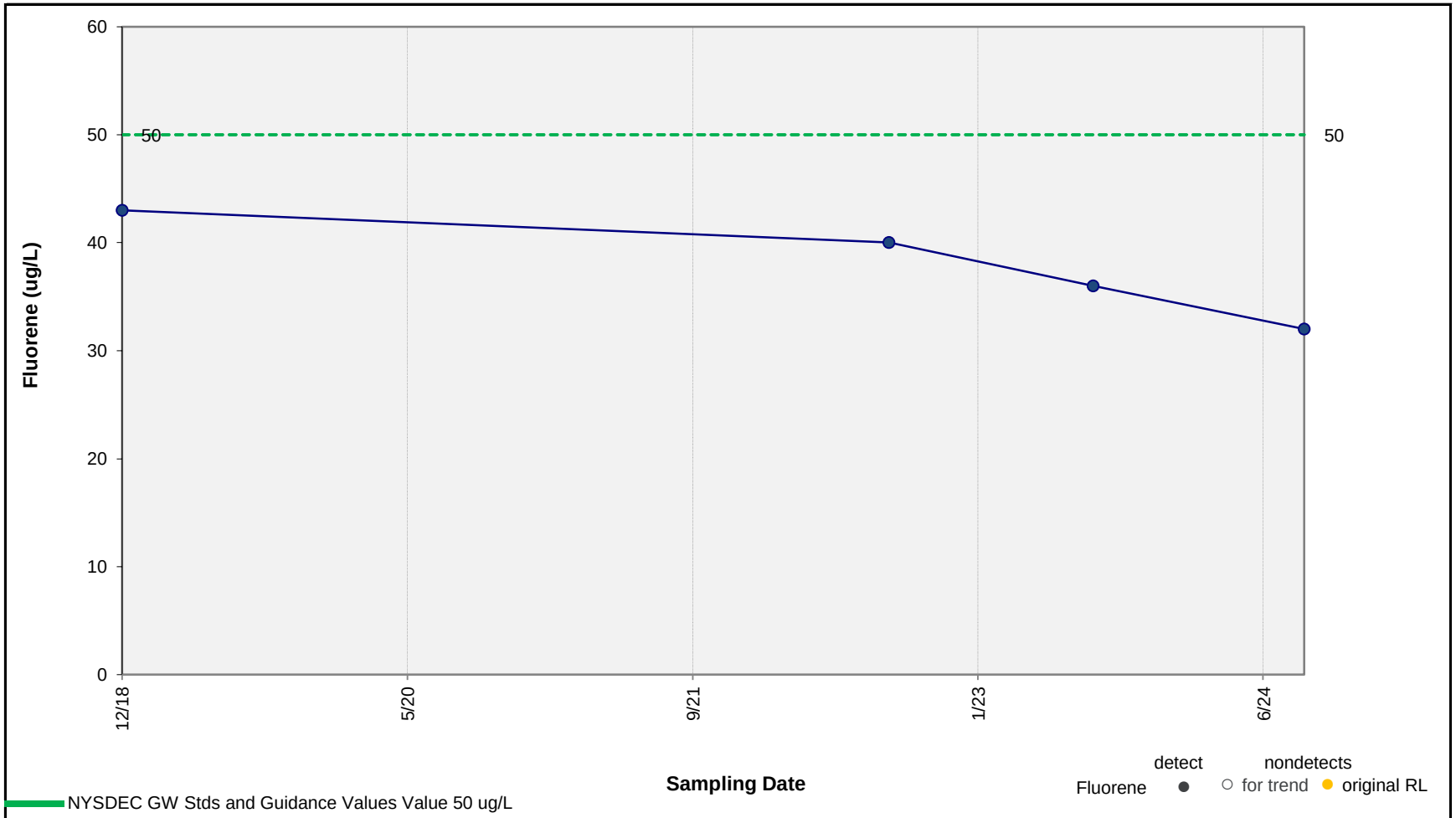
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-25



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

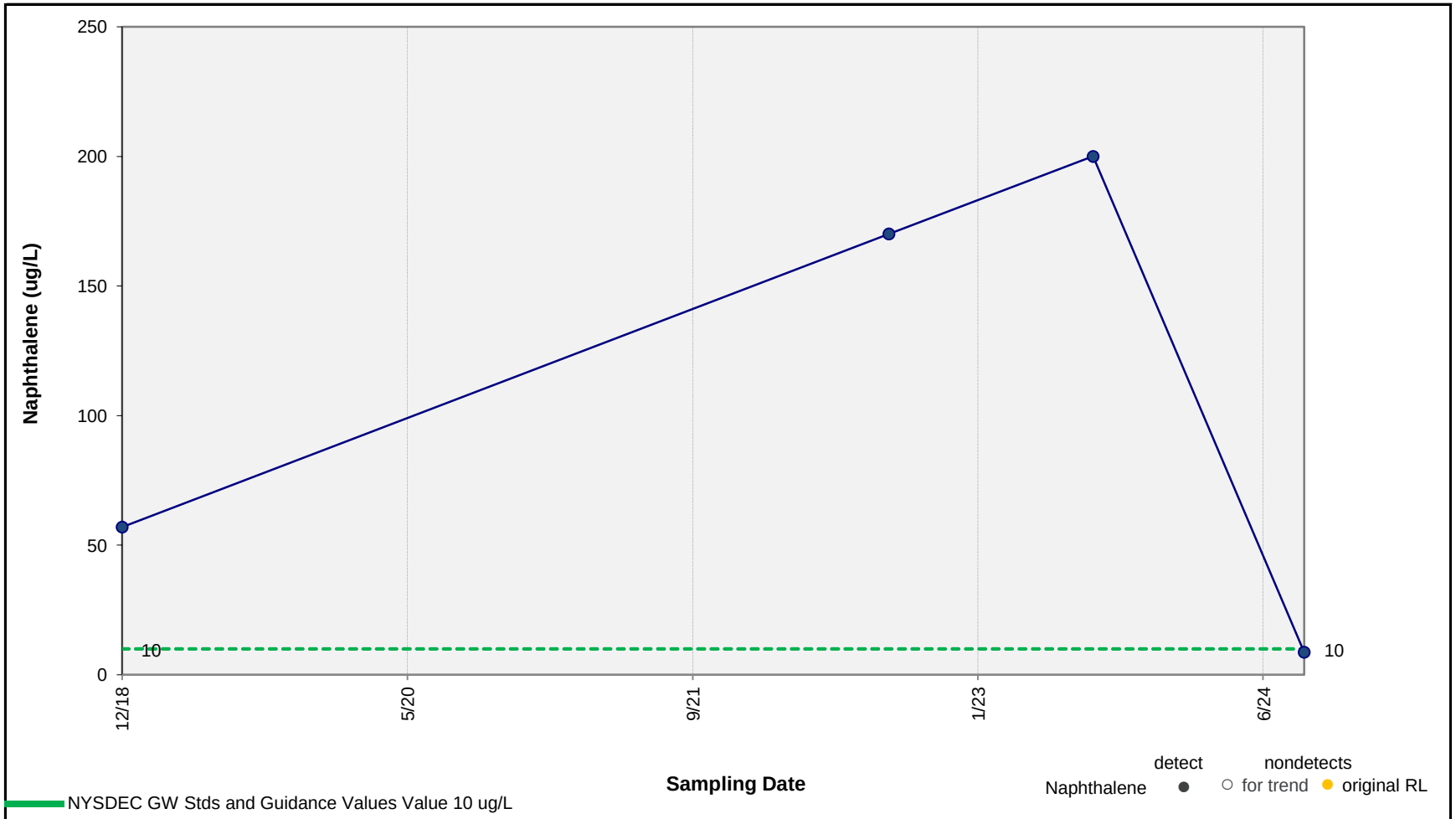
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluorene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-26



Results of Mann-Kendall Test for Trend: **No Significant Trend**

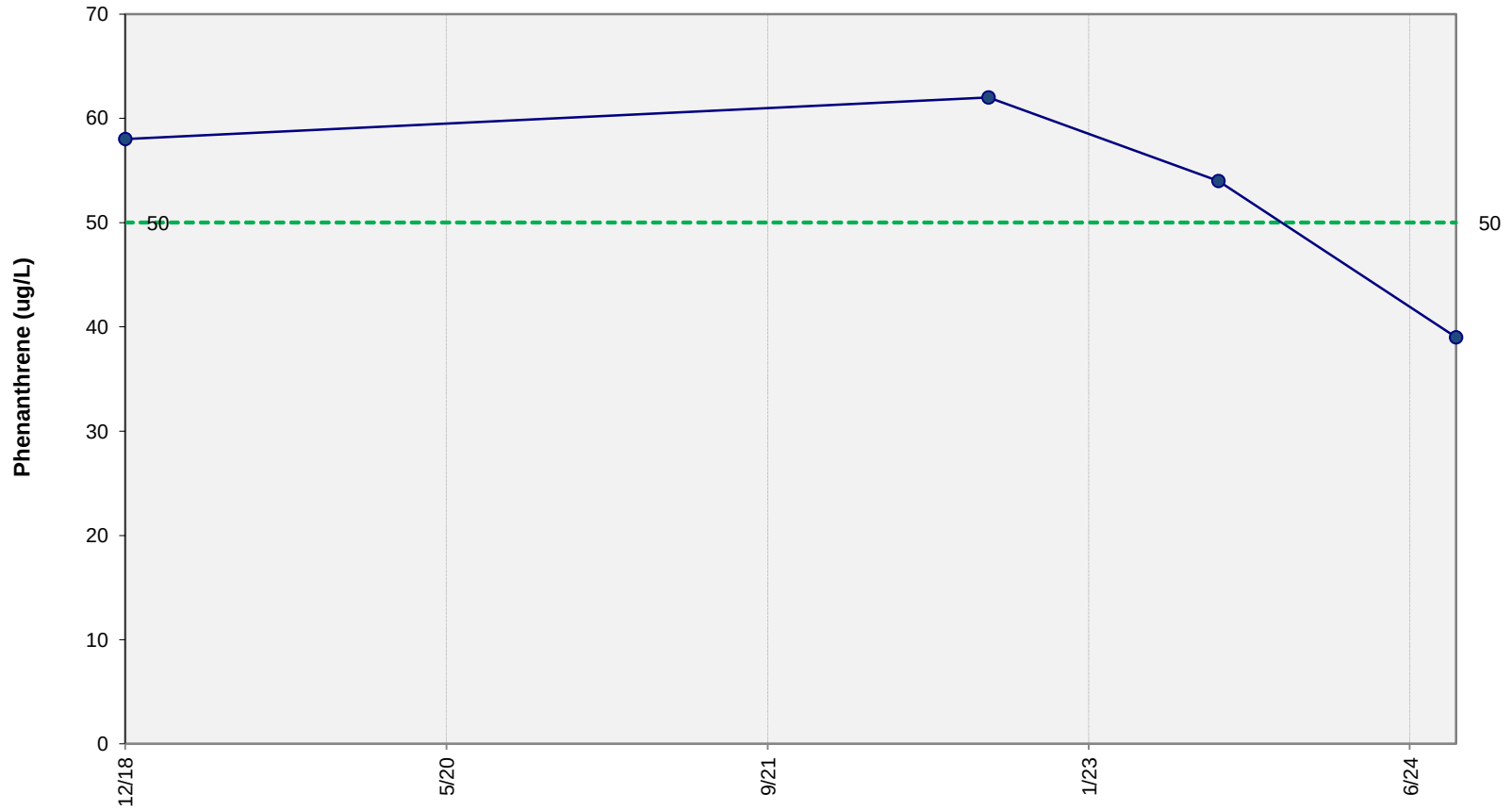
p value = 0.625 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Naphthalene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-27



Results of Mann-Kendall Test for Trend: **No Significant Trend**

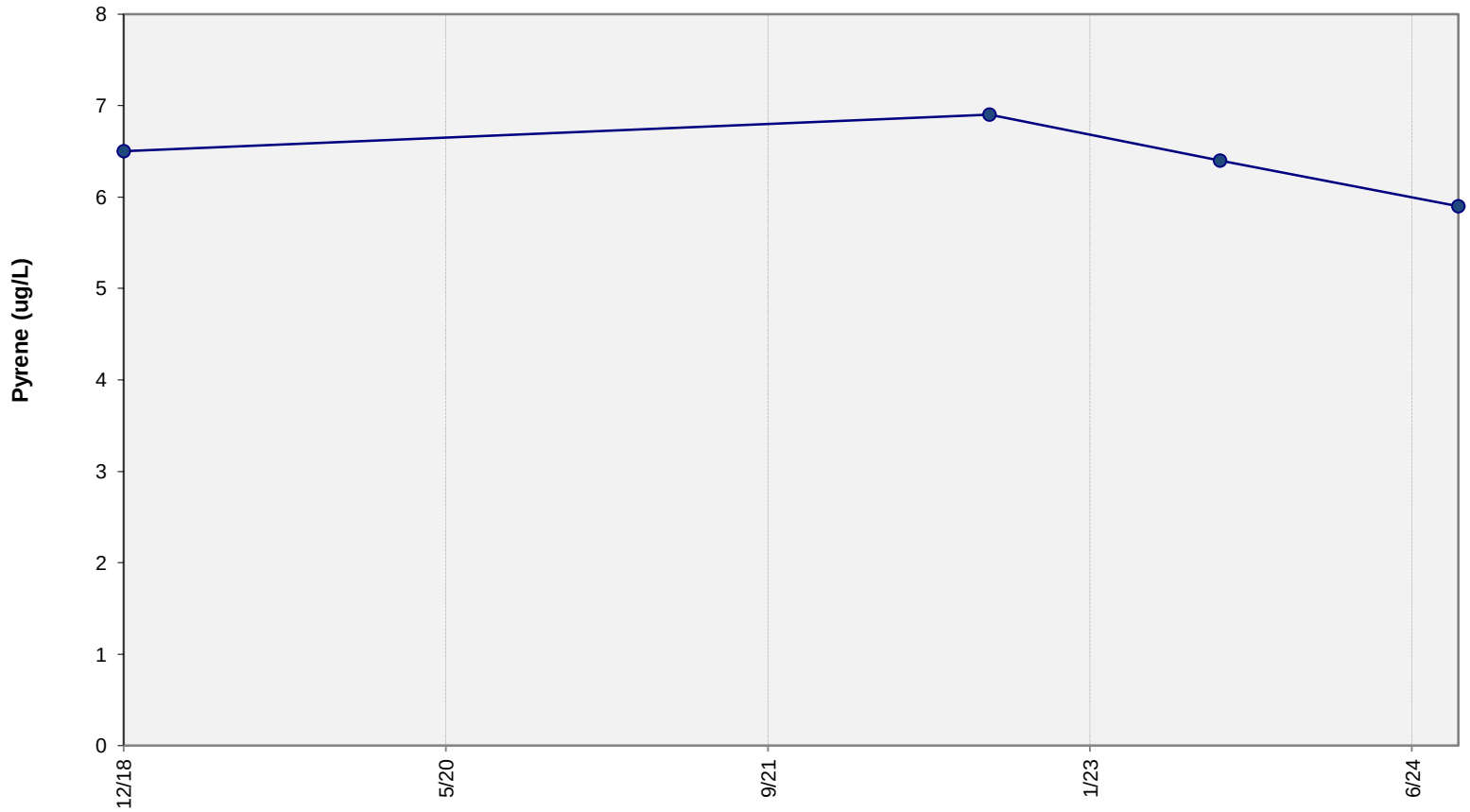
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-28



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

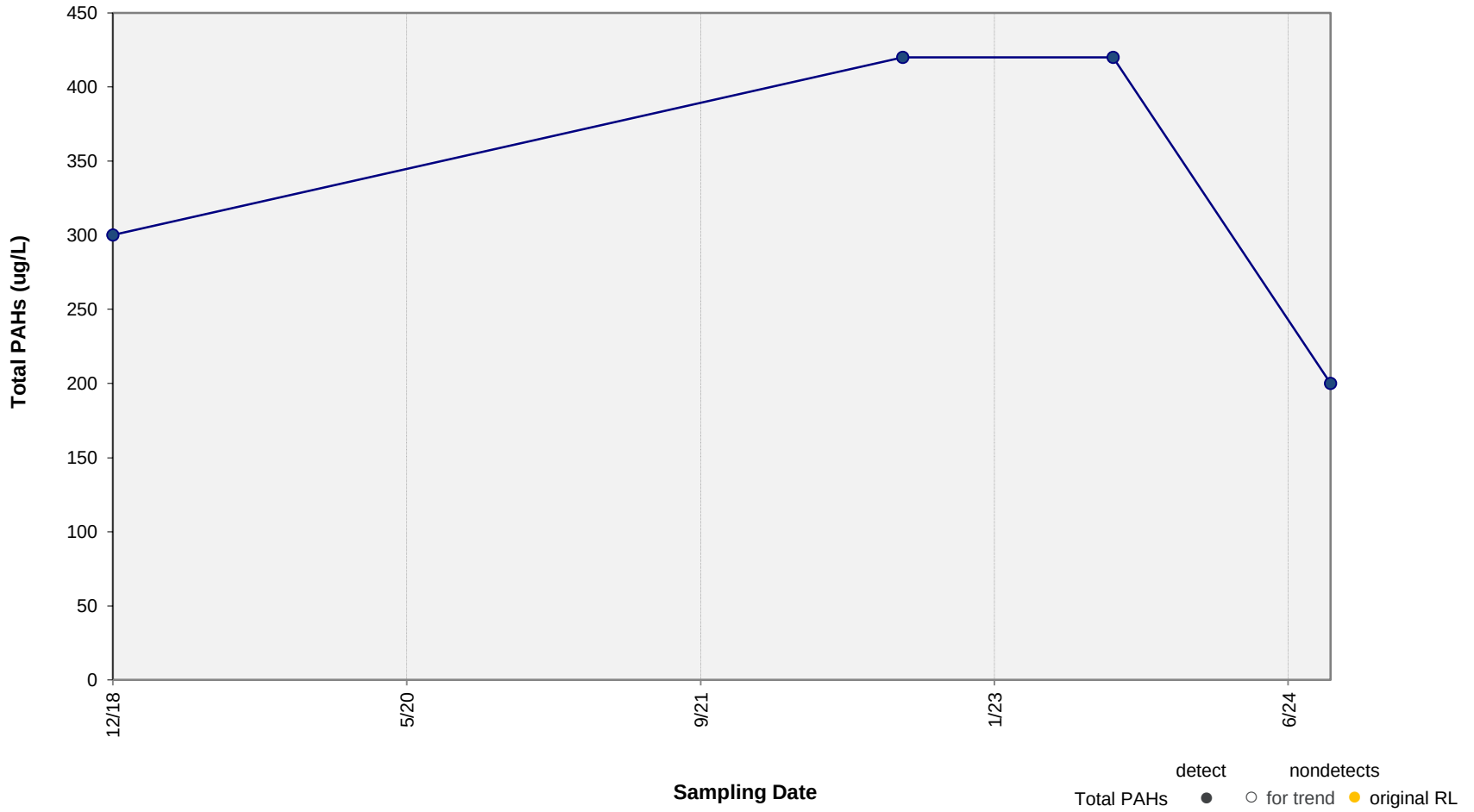
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-29



Results of Mann-Kendall Test for Trend: **No Significant Trend**

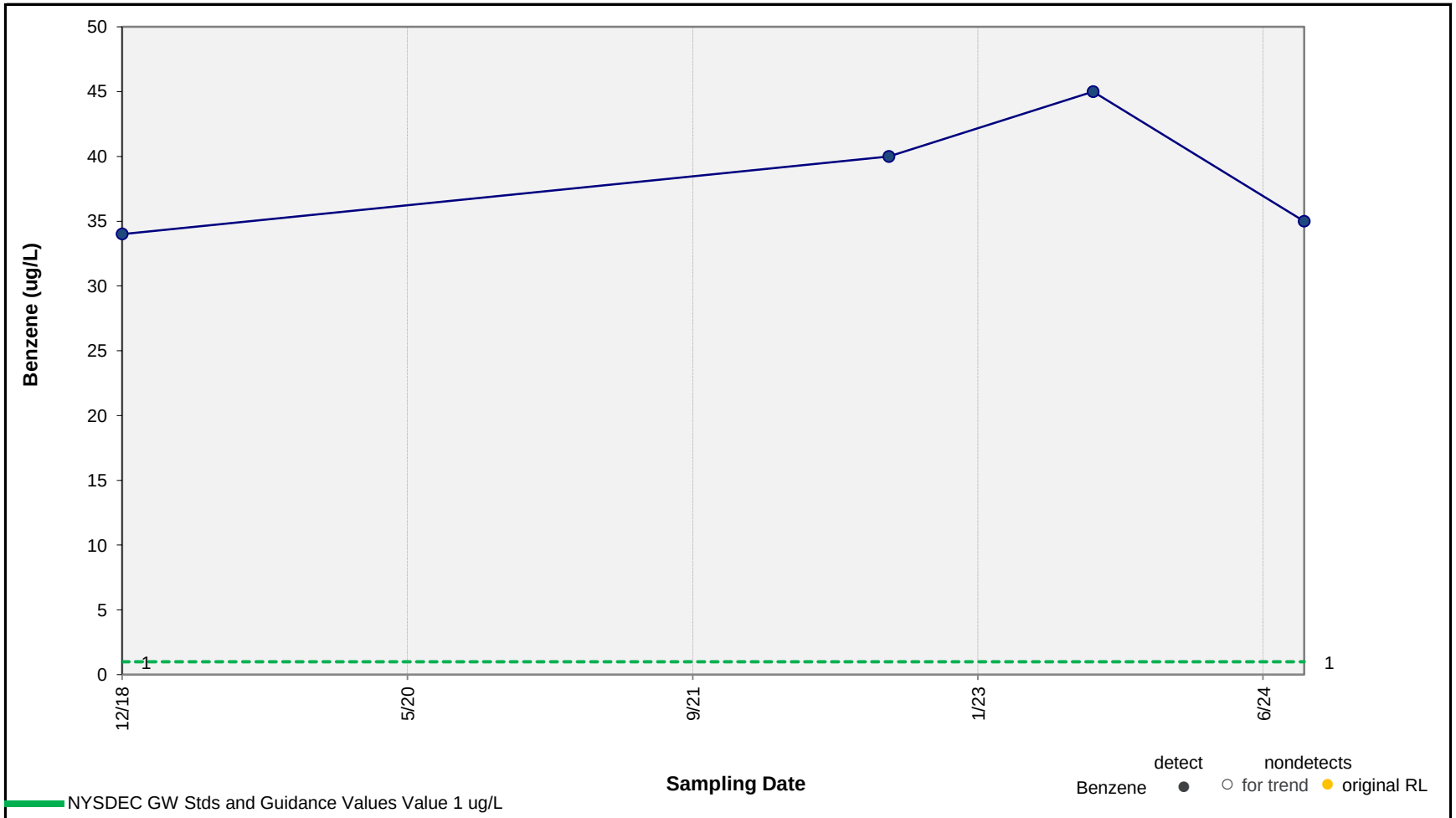
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total PAHs in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-30



Results of Mann-Kendall Test for Trend: **No Significant Trend**

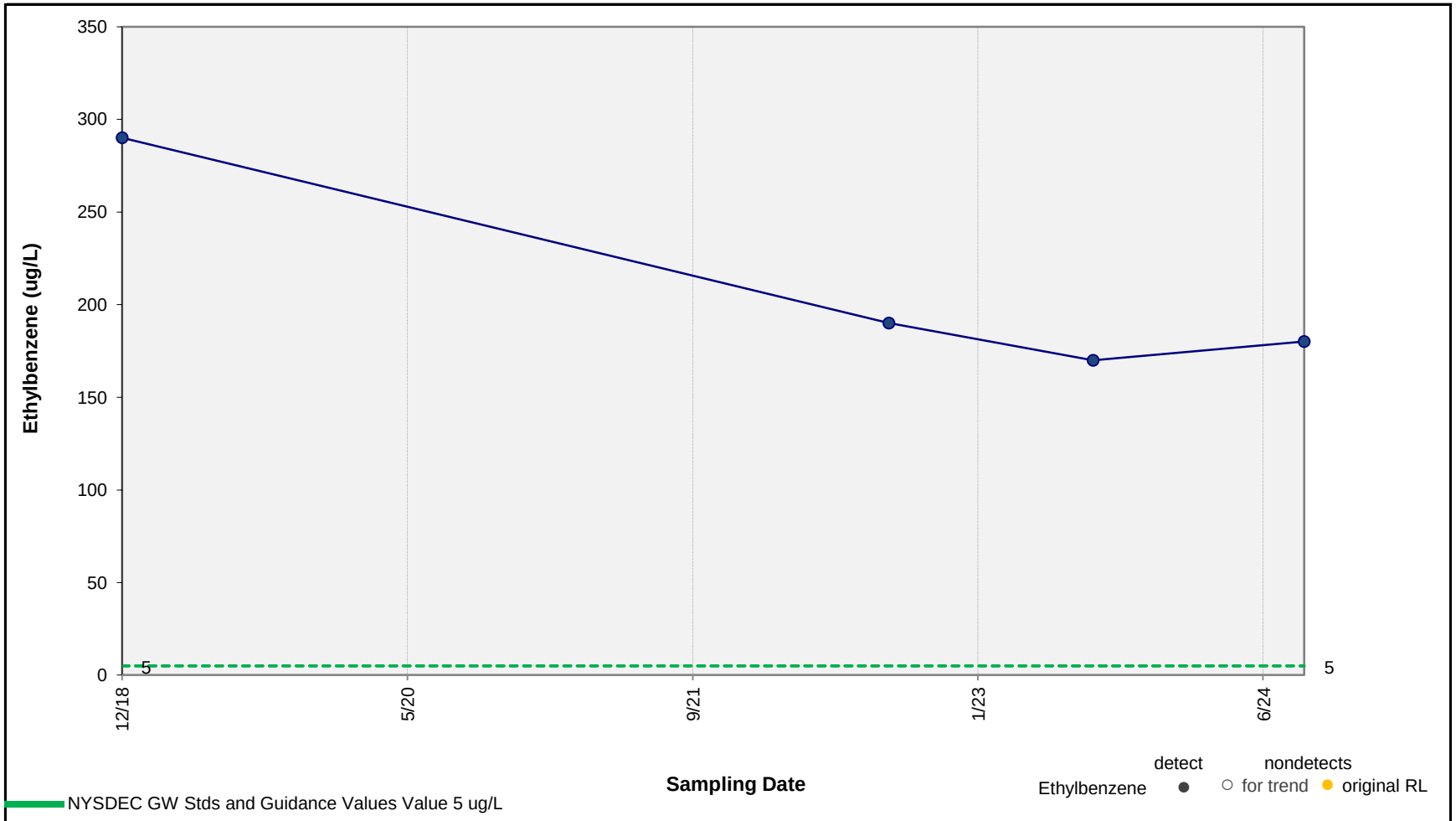
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-31



Results of Mann-Kendall Test for Trend: **No Significant Trend**

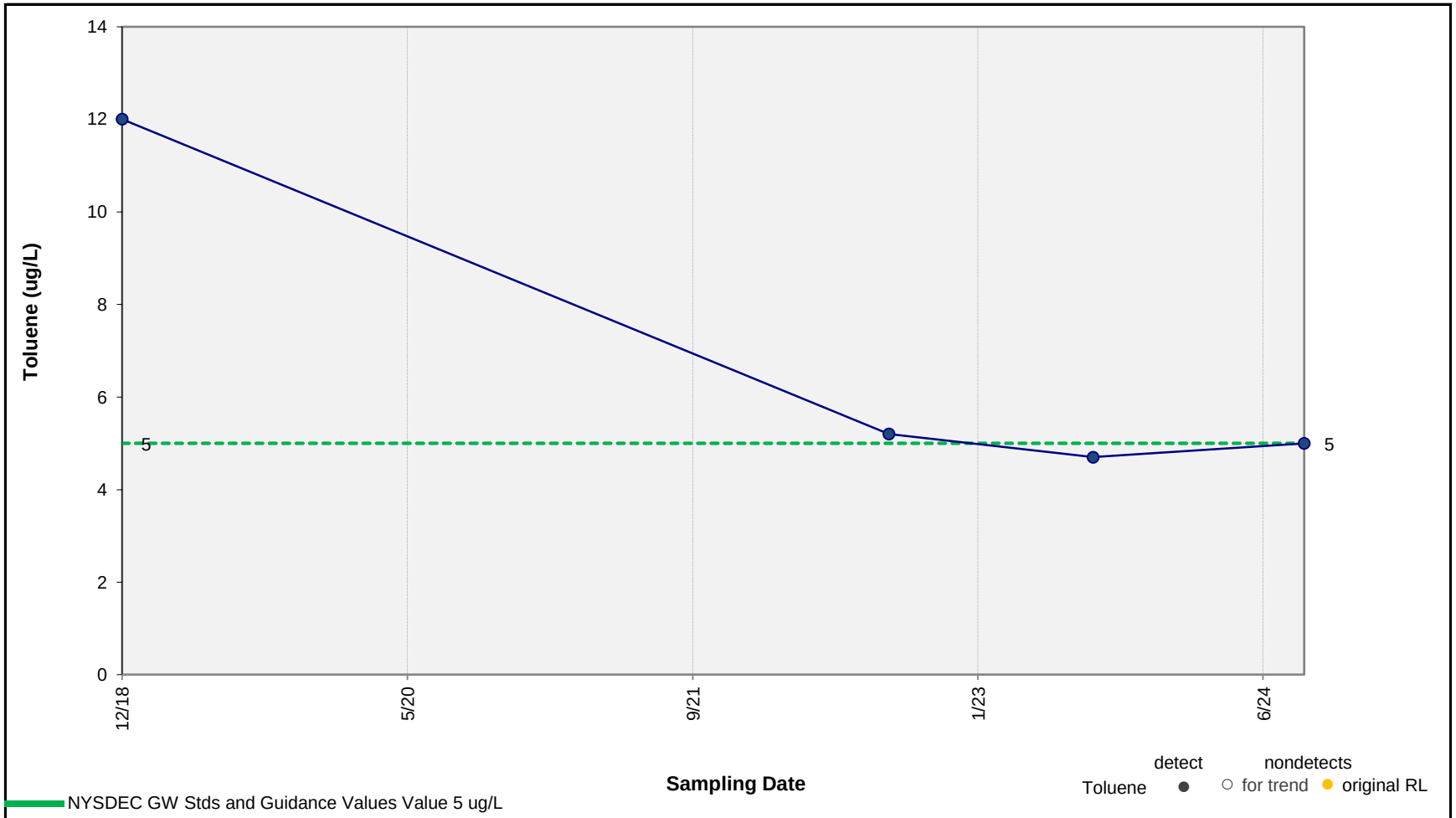
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-32



Results of Mann-Kendall Test for Trend: **No Significant Trend**

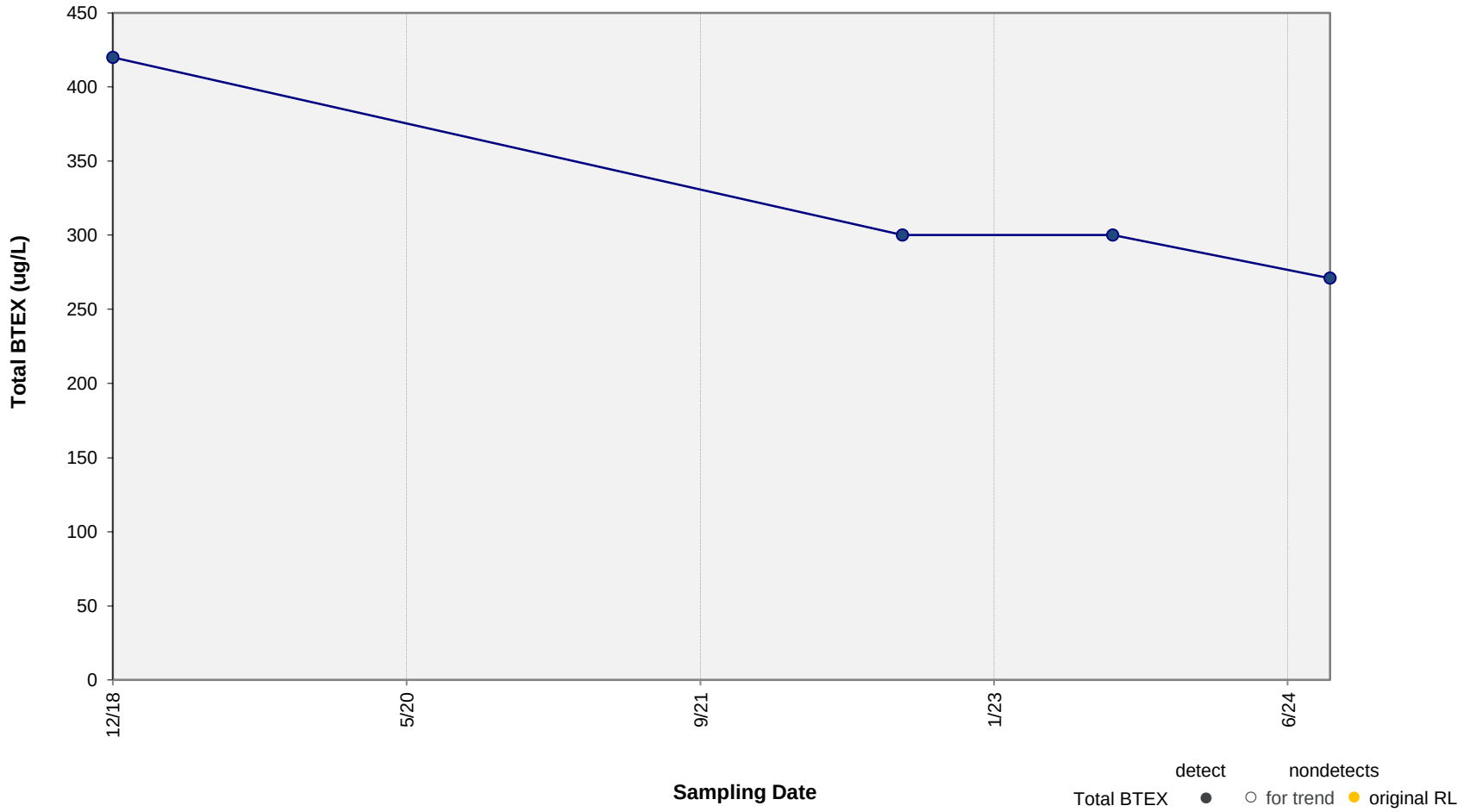
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Toluene in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-33



Results of Mann-Kendall Test for Trend: **No Significant Trend**

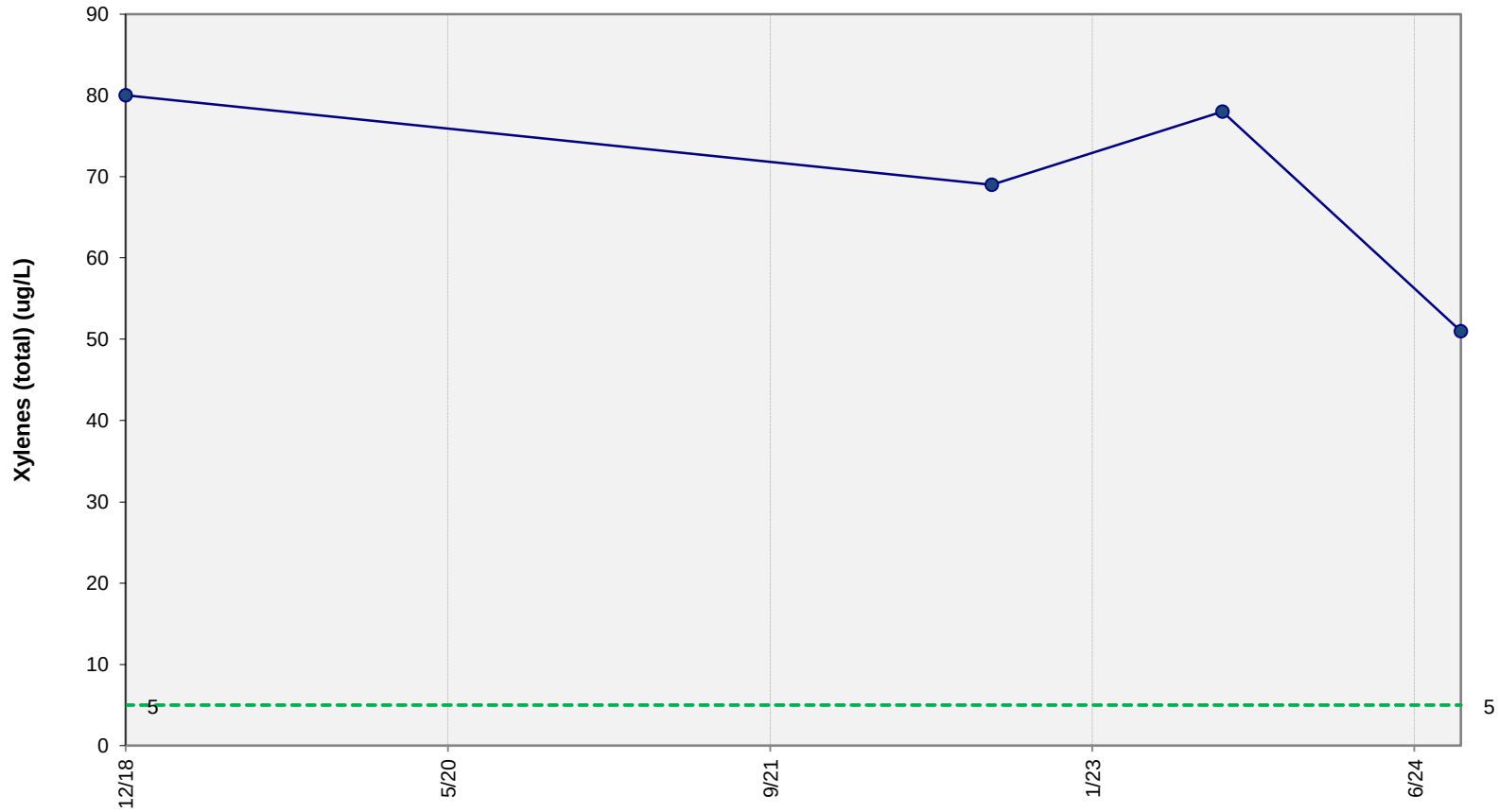
p value = 0.105 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-34



Results of Mann-Kendall Test for Trend: **No Significant Trend**

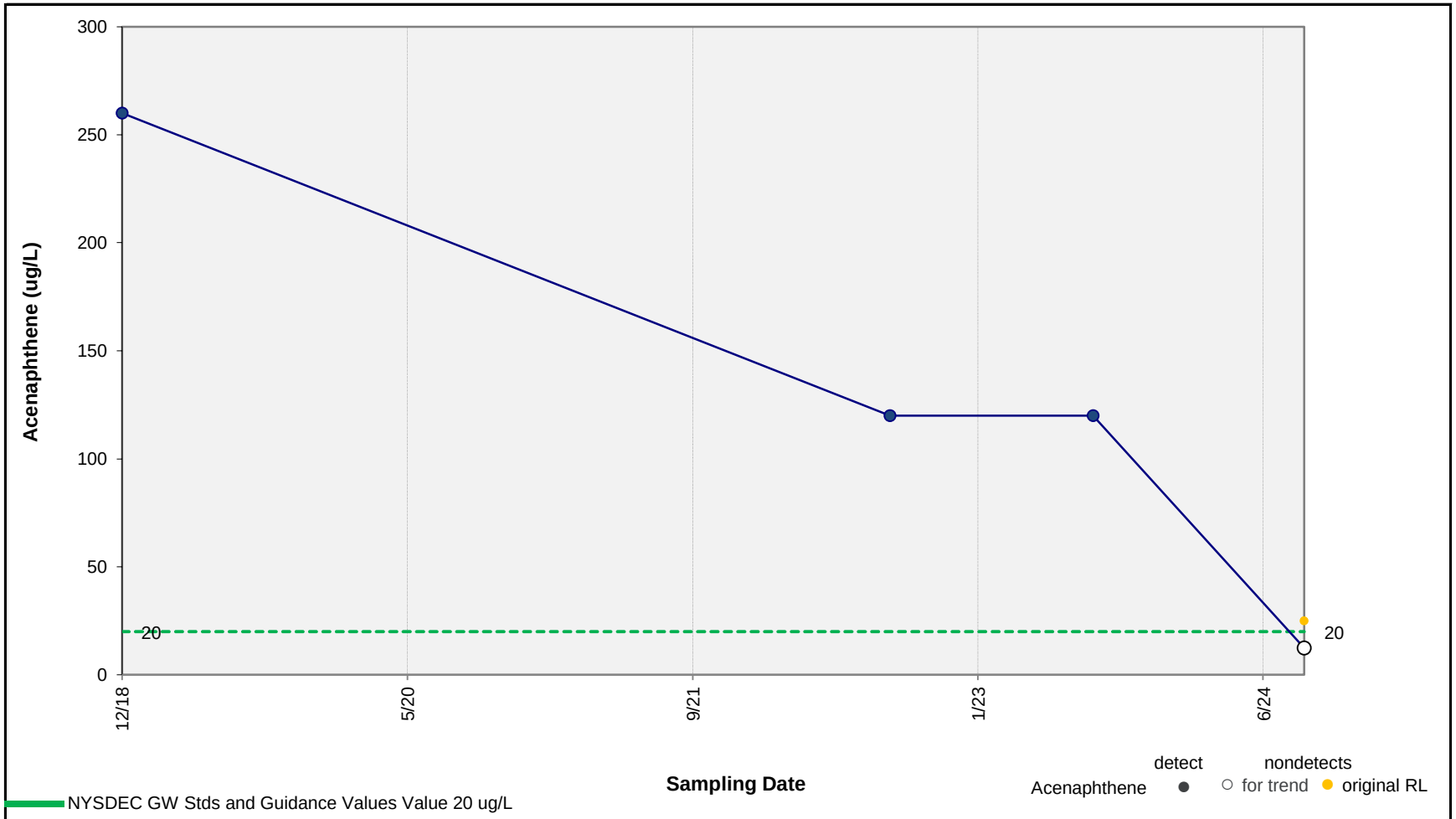
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well MW-1801

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-35



Results of Mann-Kendall Test for Trend: **No Significant Trend**

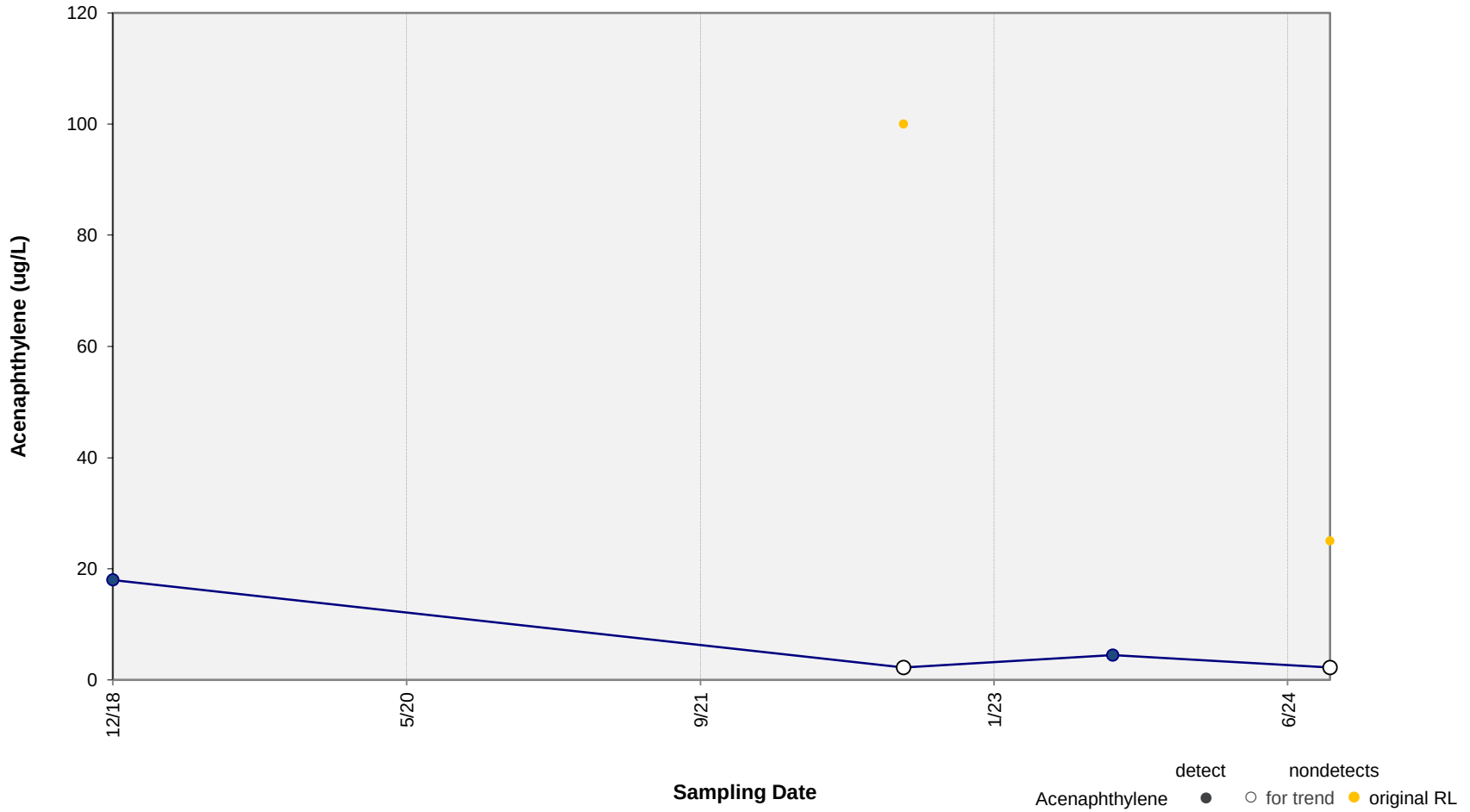
p value = 0.105 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-36



Results of Mann-Kendall Test for Trend: **No Significant Trend**

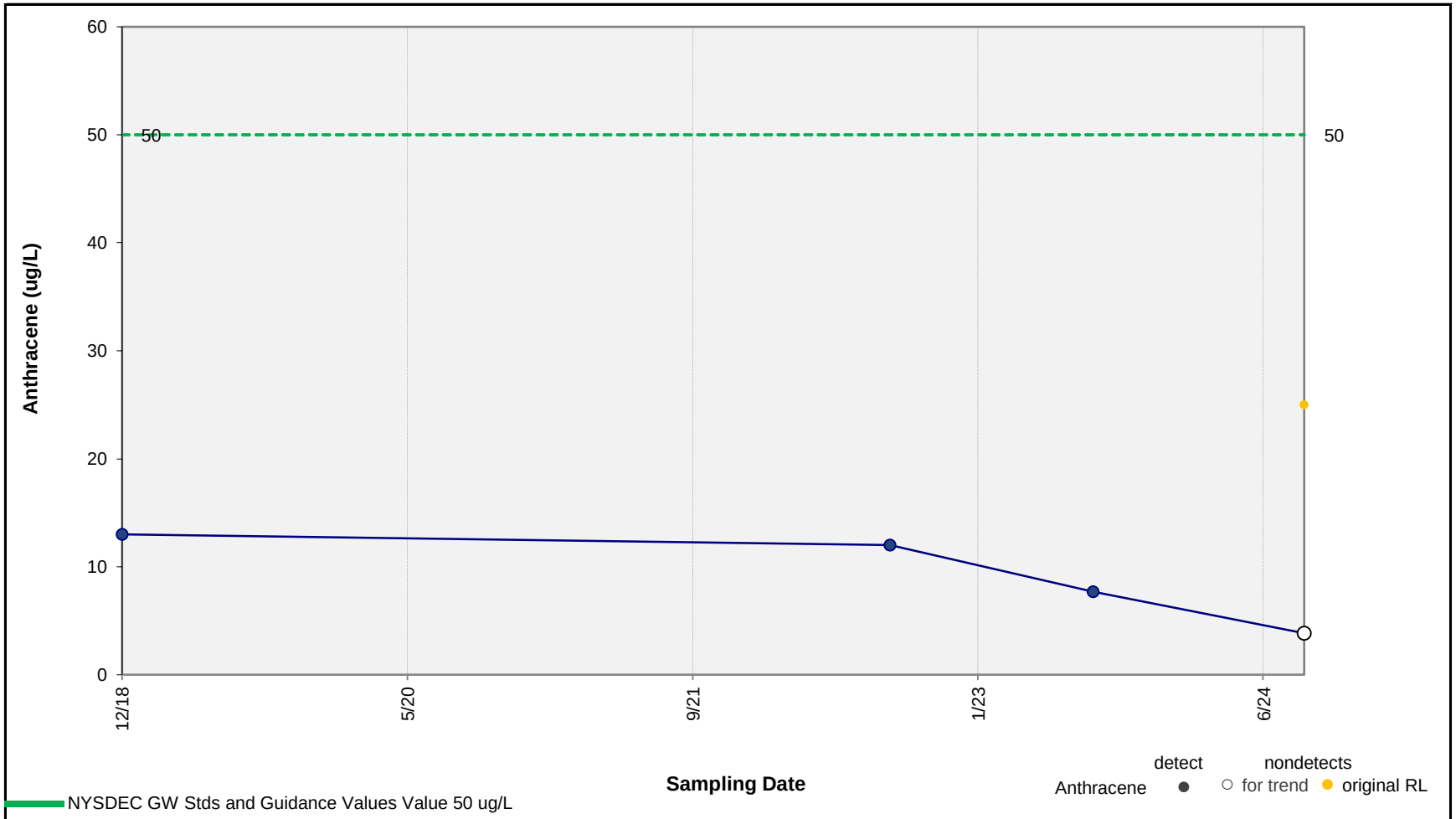
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthylene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-37



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

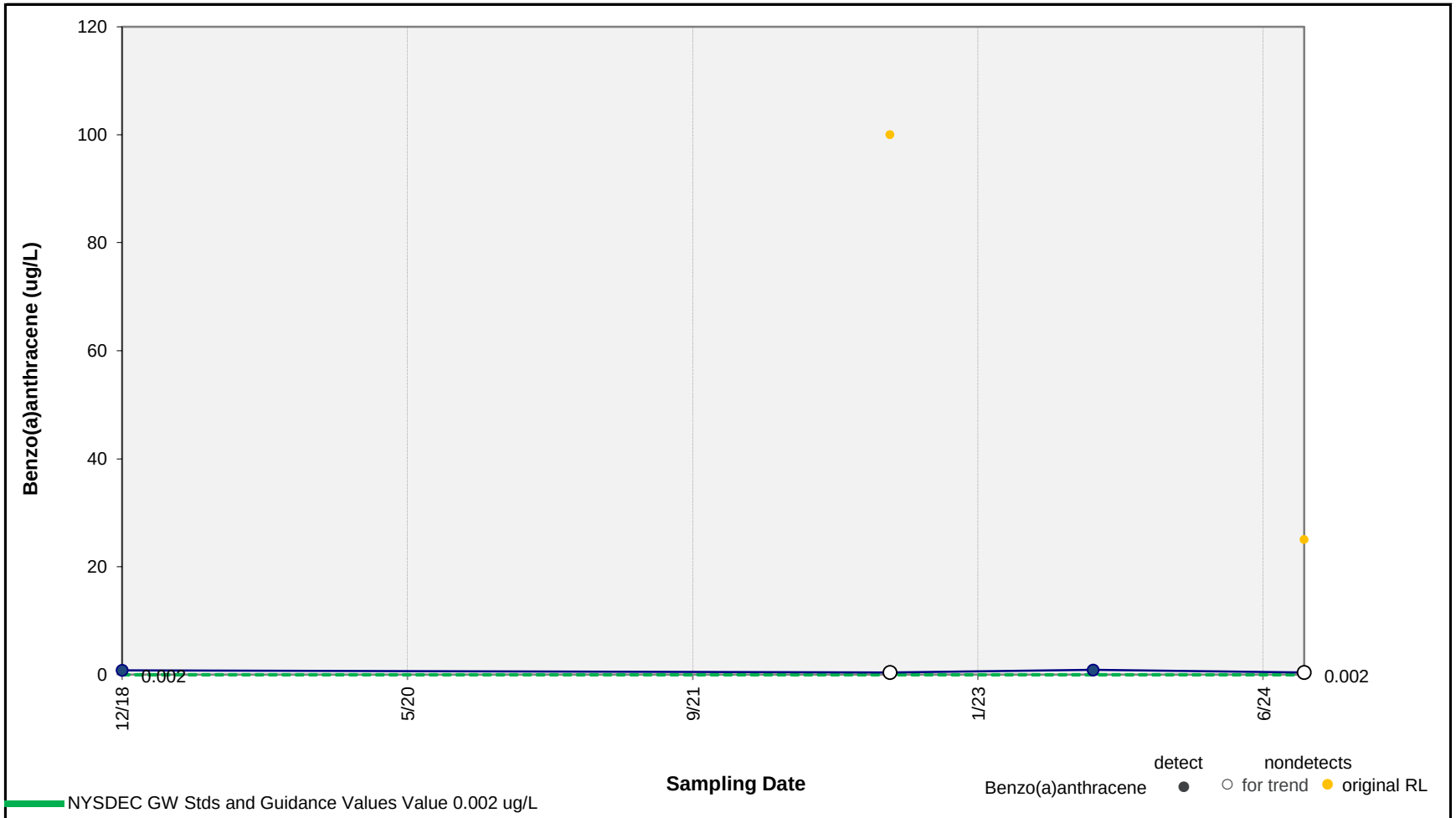
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Anthracene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-38



Results of Mann-Kendall Test for Trend: **No Significant Trend**

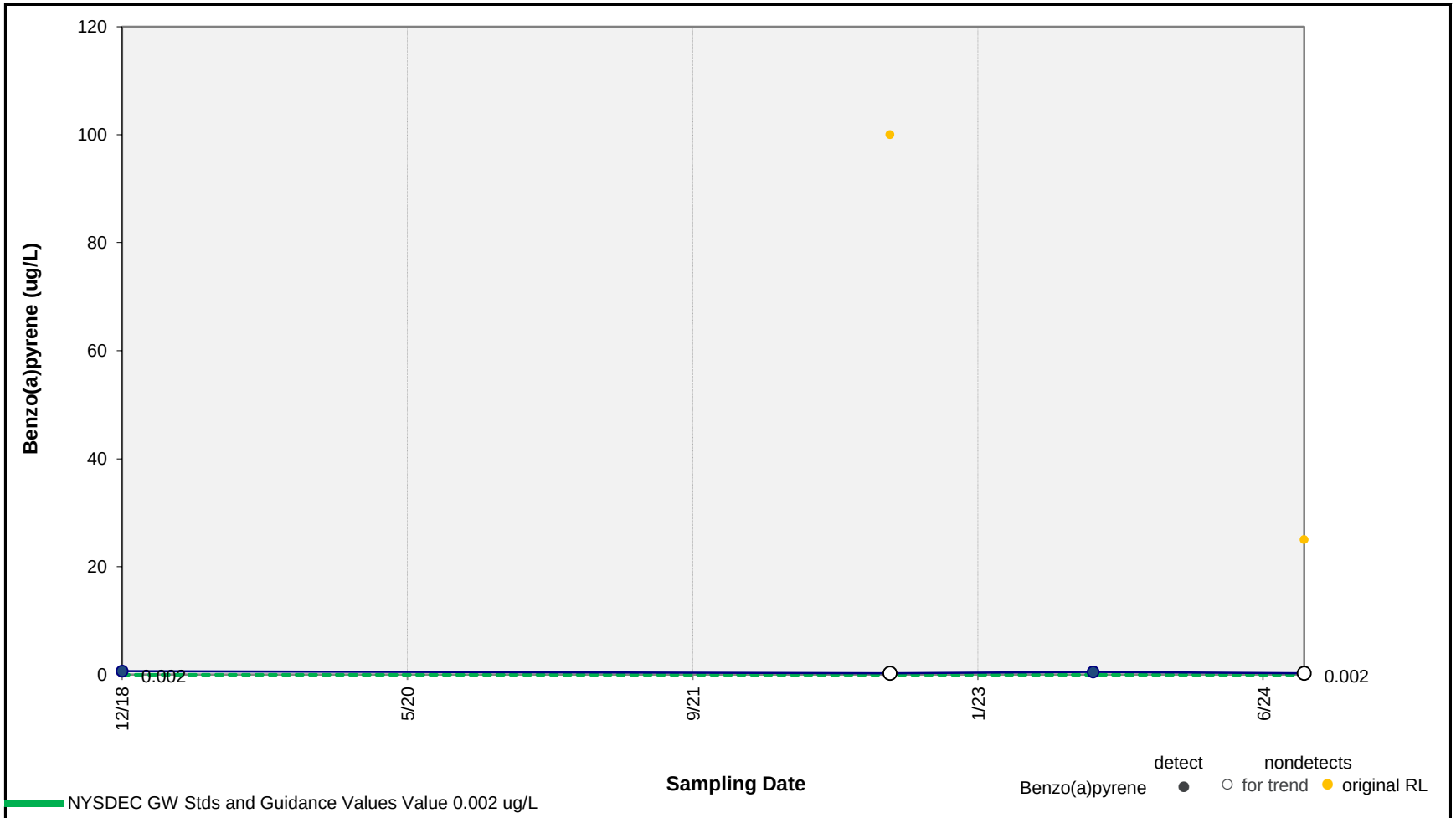
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(a)anthracene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-39



Results of Mann-Kendall Test for Trend: **No Significant Trend**

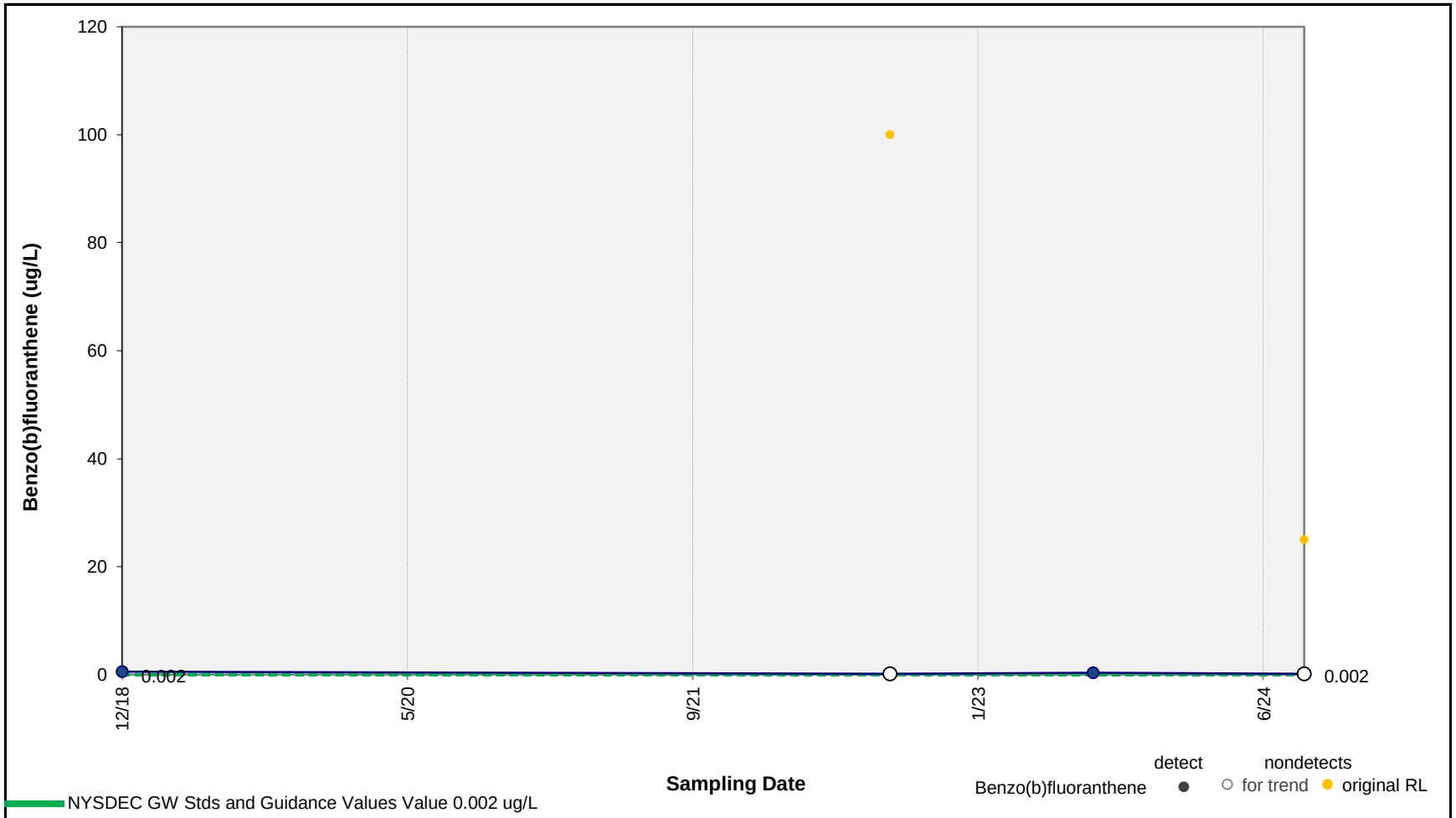
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(a)pyrene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-40



Results of Mann-Kendall Test for Trend: **No Significant Trend**

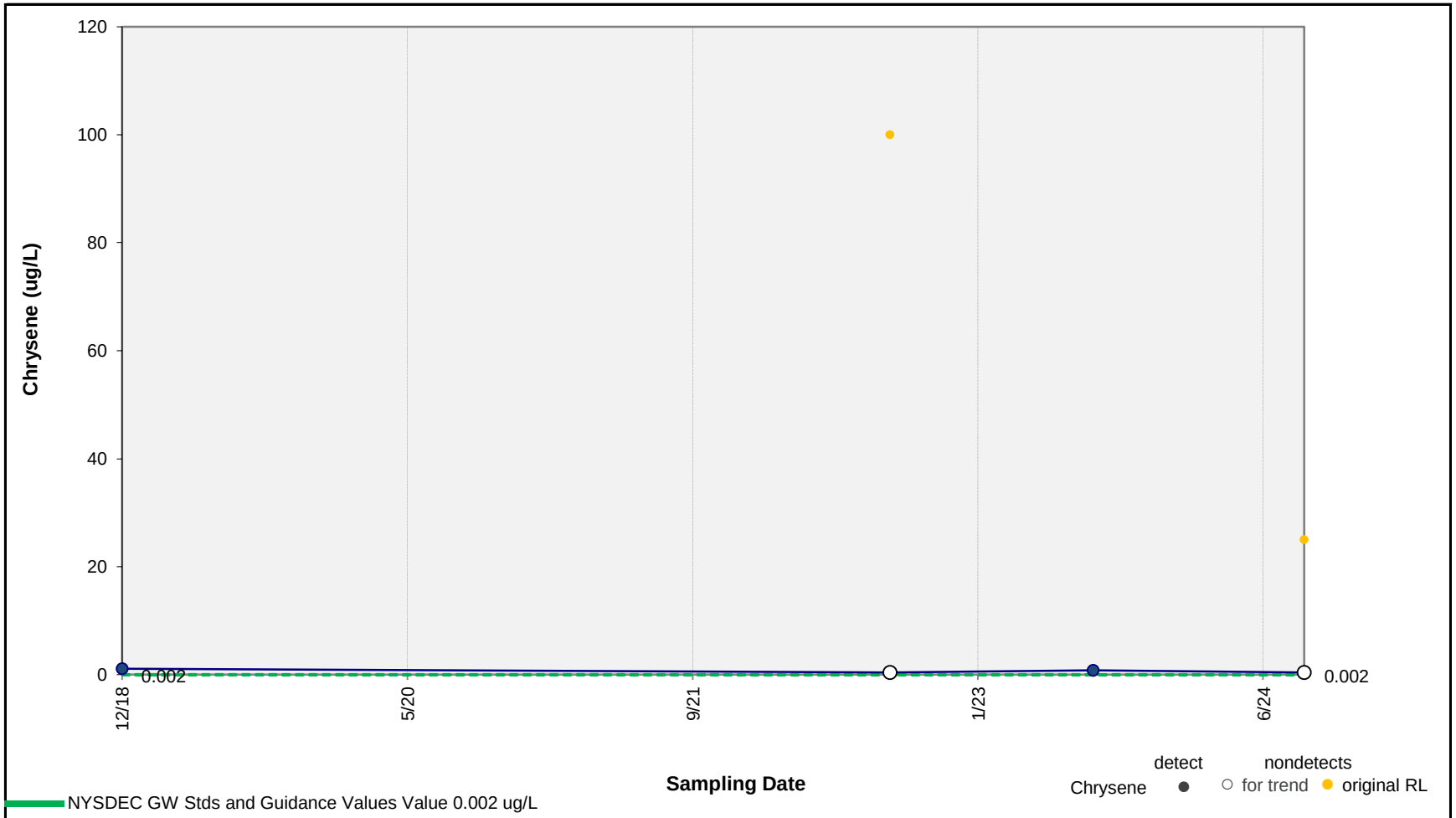
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(b)fluoranthene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-41



Results of Mann-Kendall Test for Trend: **No Significant Trend**

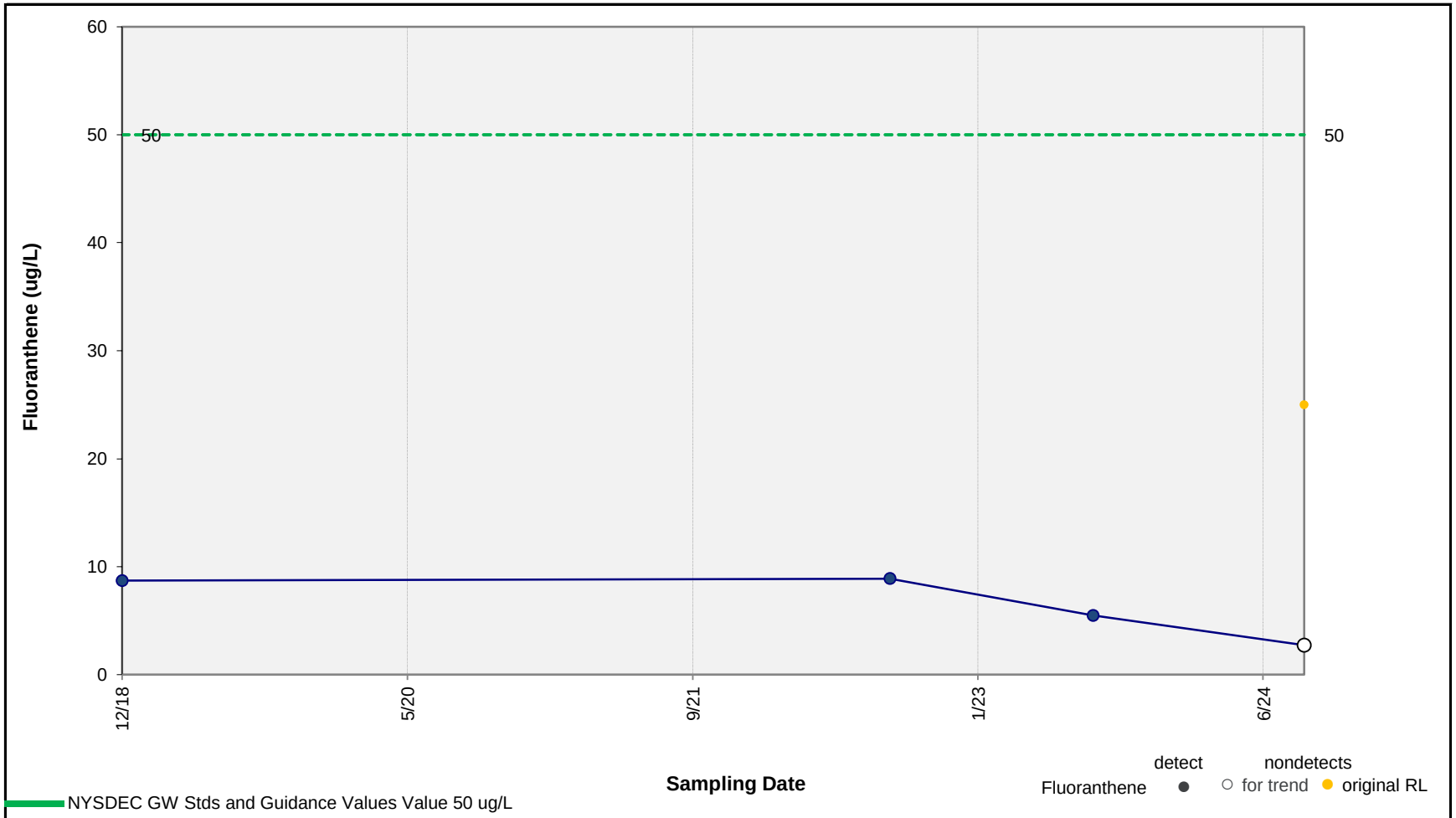
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Chrysene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-42



Results of Mann-Kendall Test for Trend: **No Significant Trend**

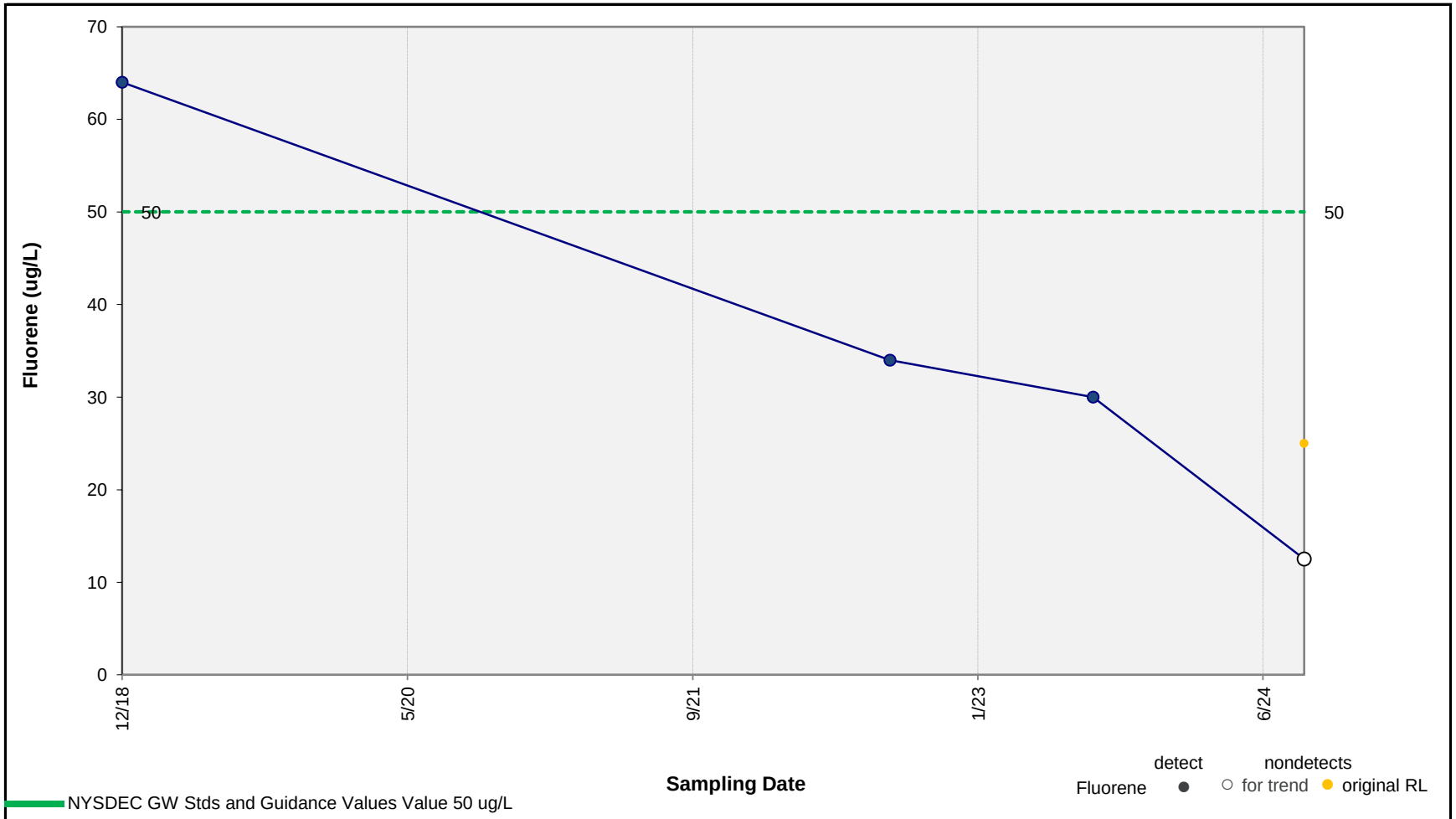
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-43



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

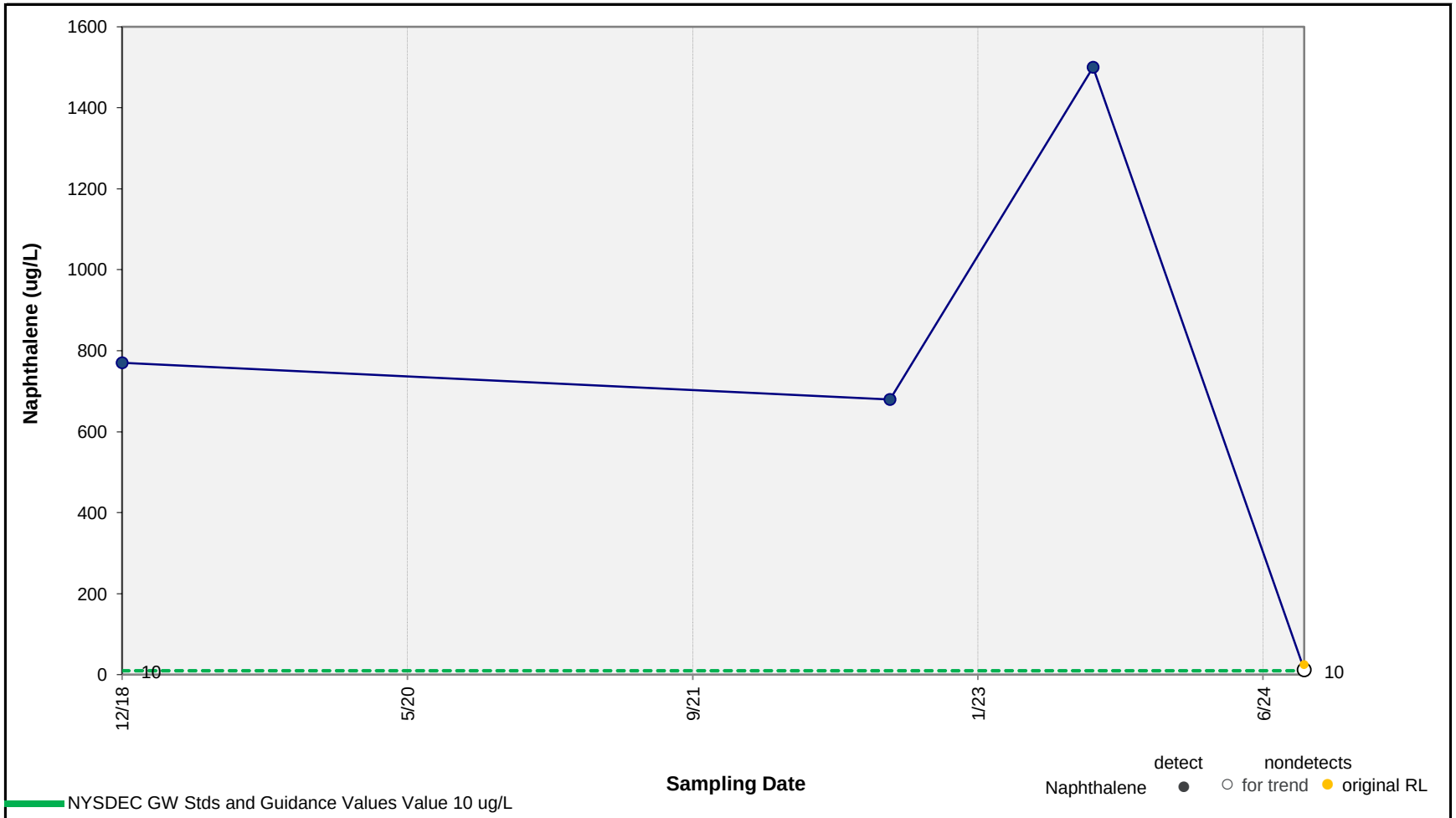
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluorene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-44



Results of Mann-Kendall Test for Trend: **No Significant Trend**

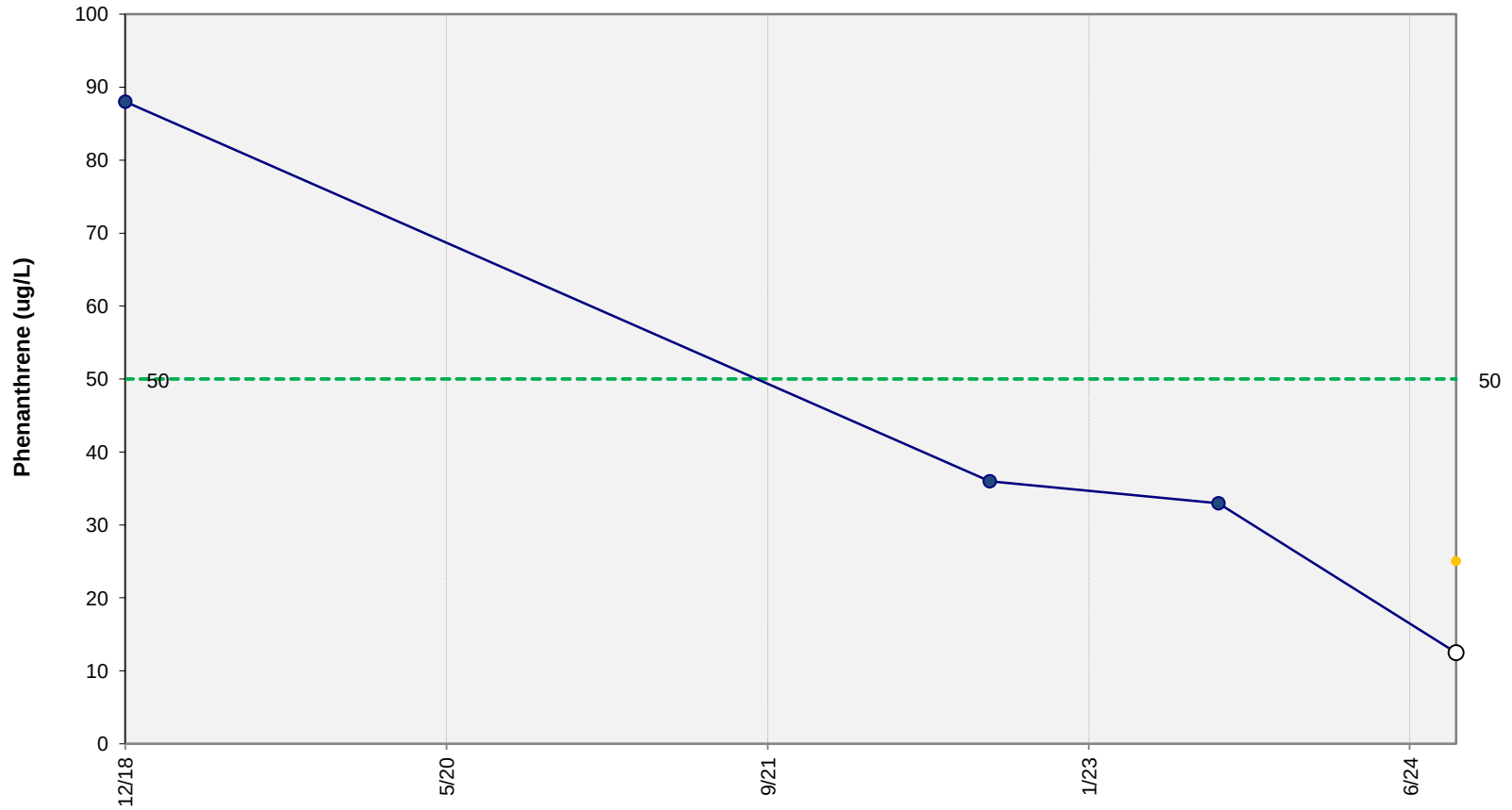
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Naphthalene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-45



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

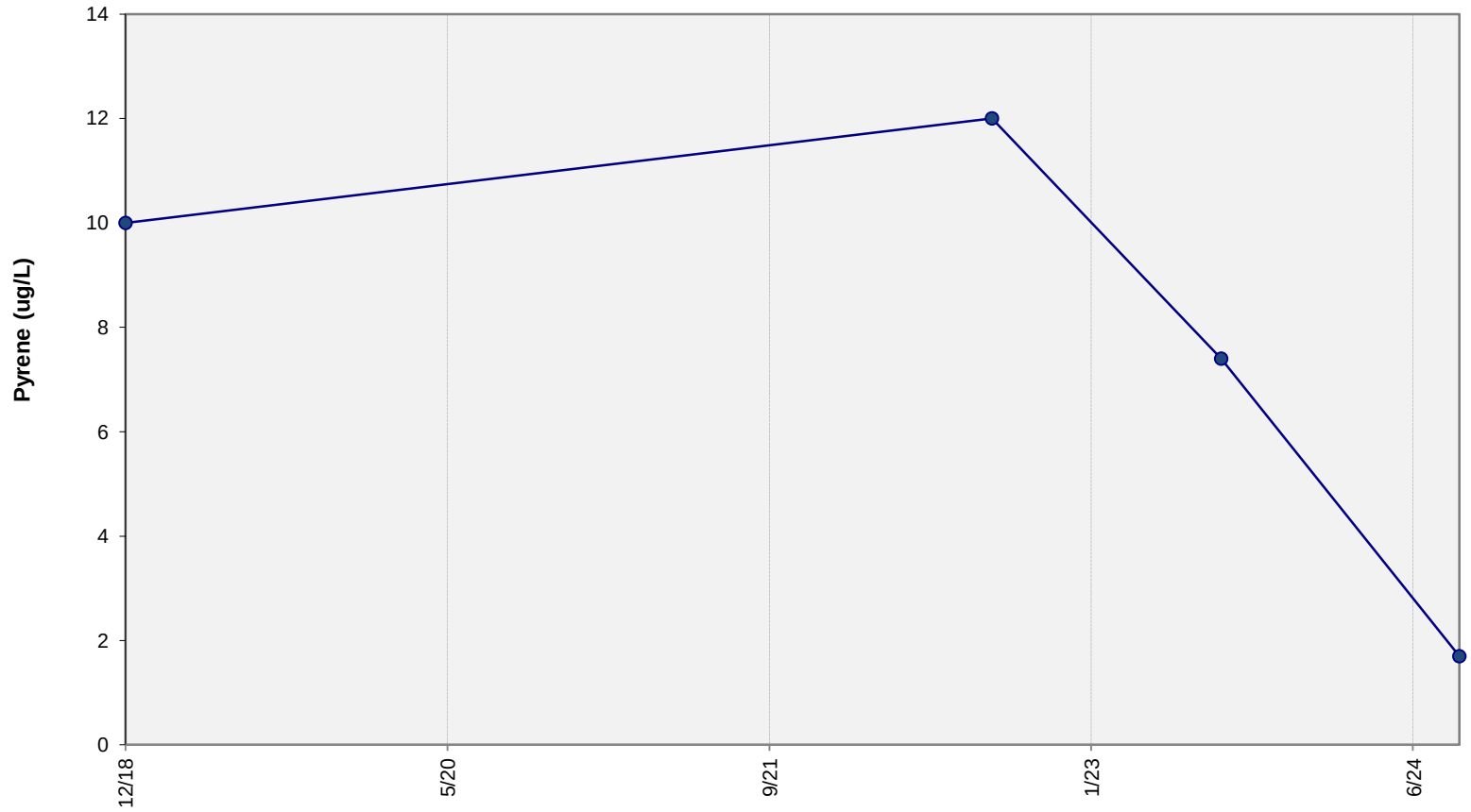
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-46



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

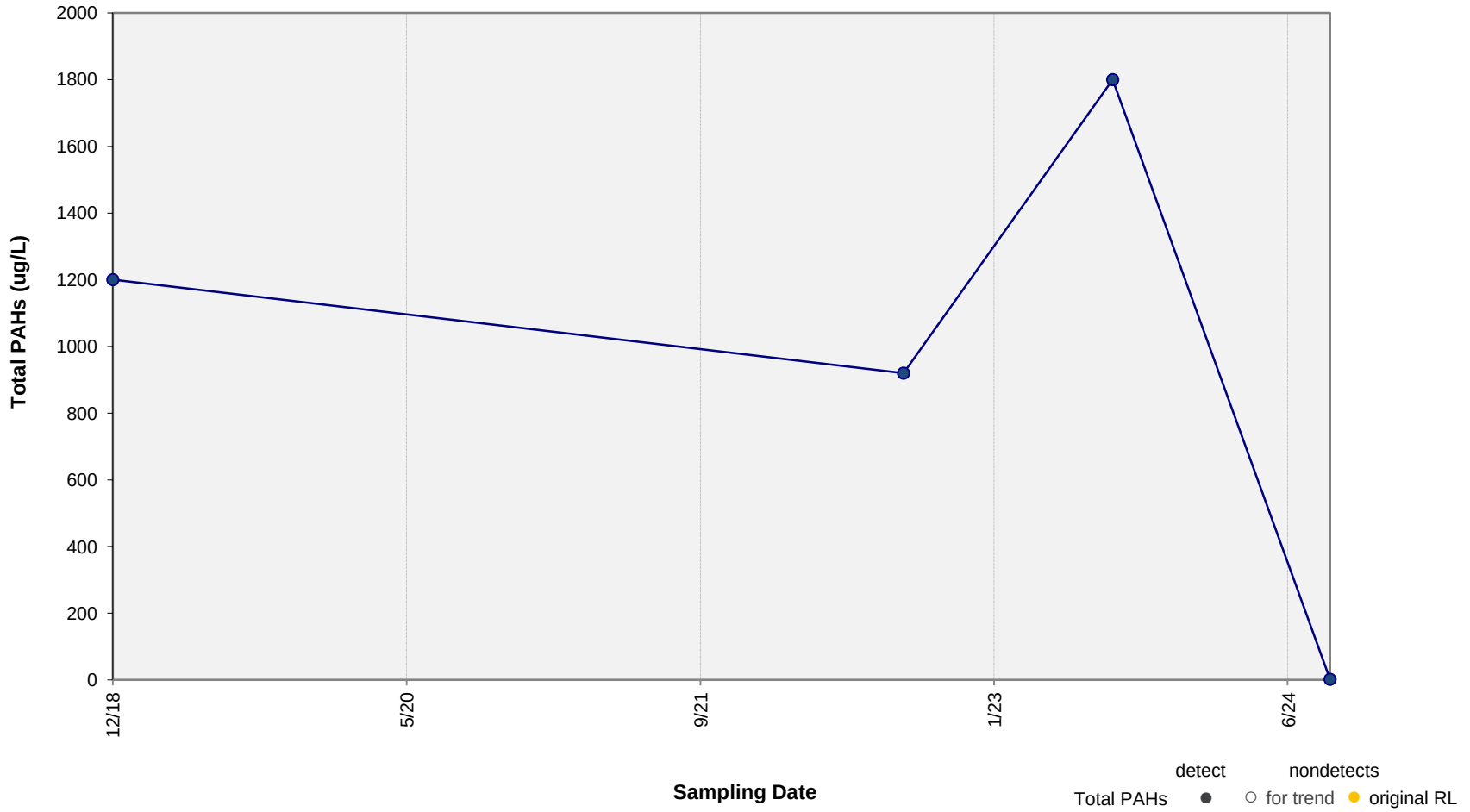
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-47



Results of Mann-Kendall Test for Trend: **No Significant Trend**

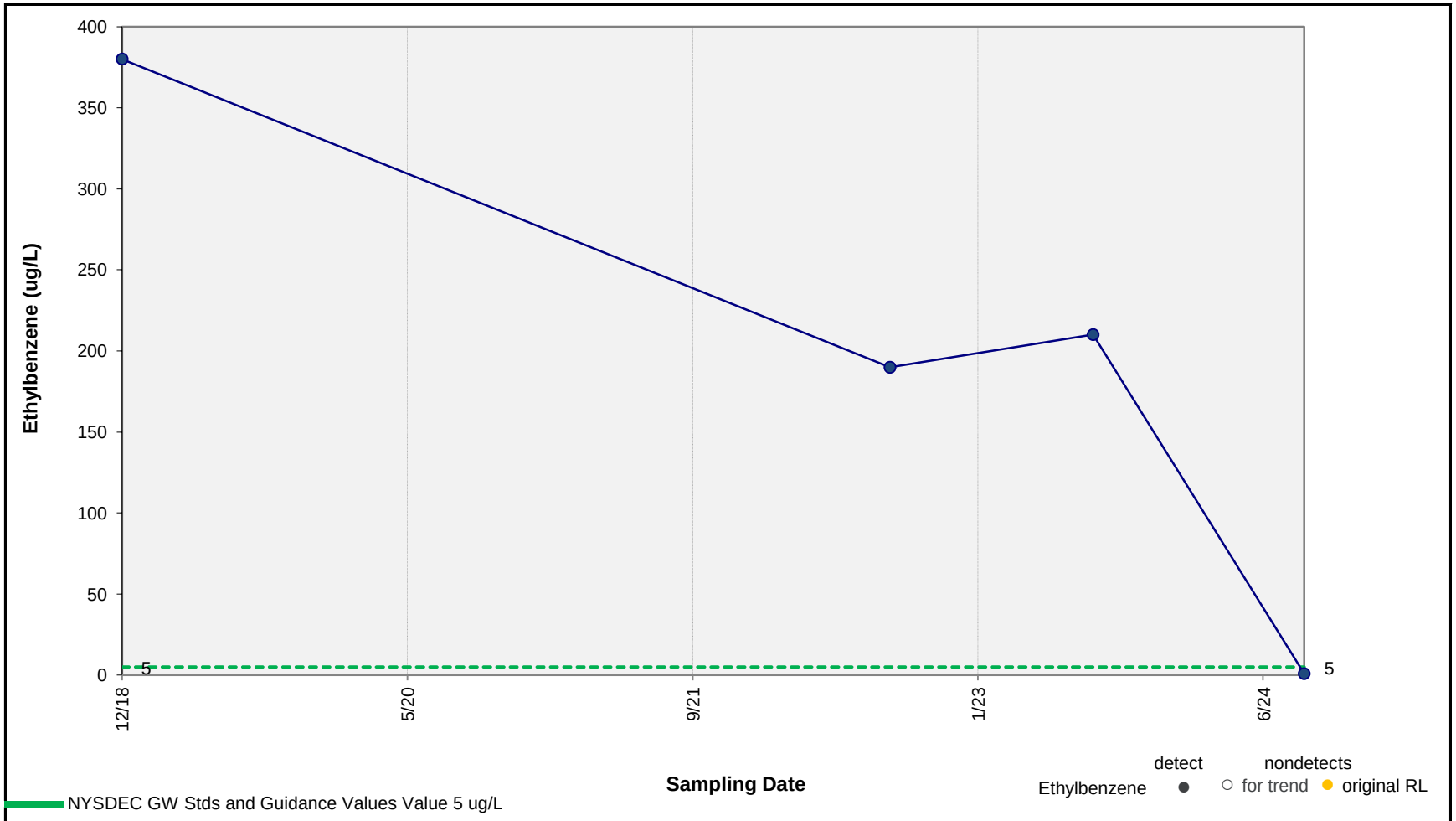
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total PAHs in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-48



Results of Mann-Kendall Test for Trend: **No Significant Trend**

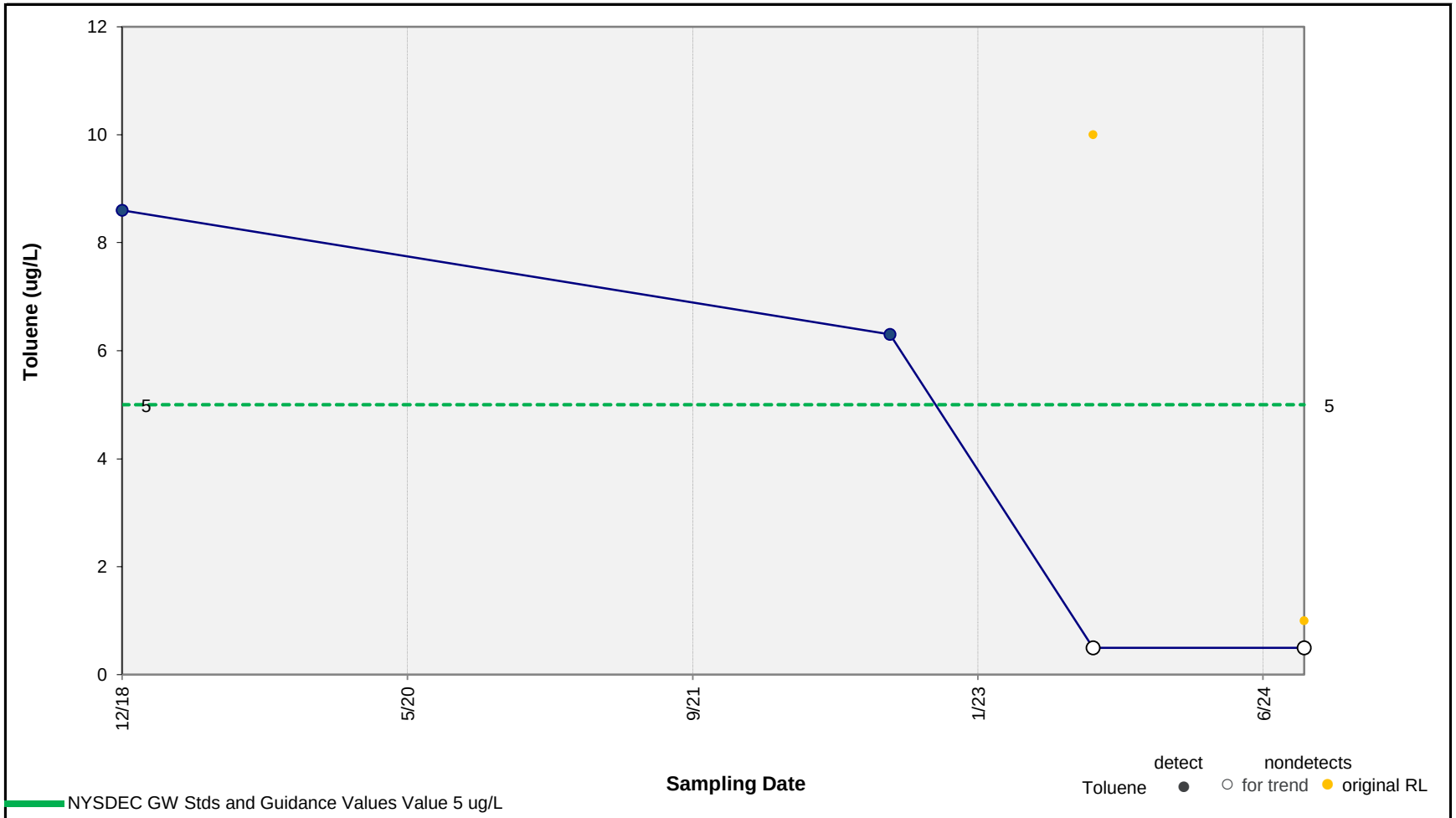
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-49



Results of Mann-Kendall Test for Trend: **No Significant Trend**

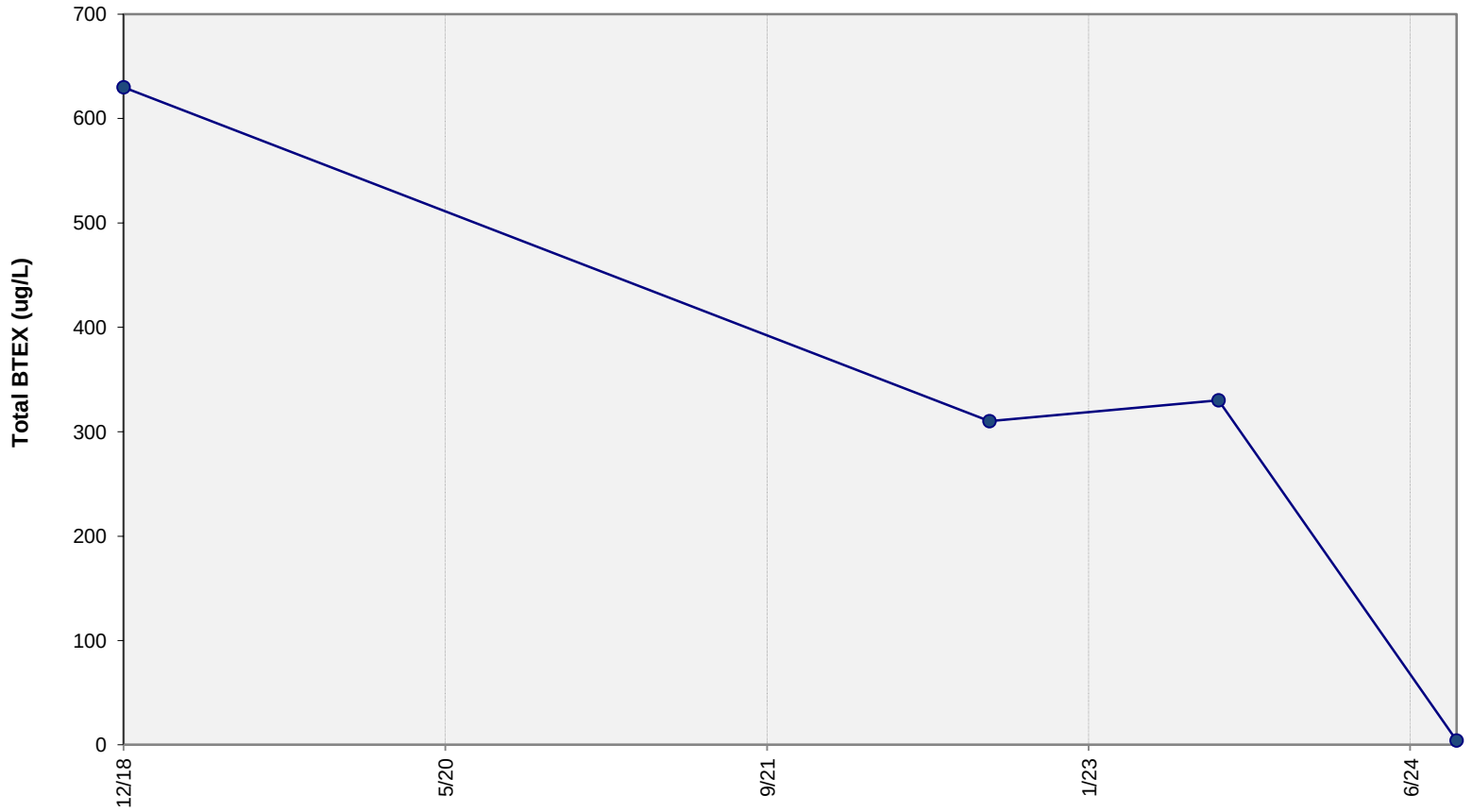
p value = 0.105 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Toluene in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-50



Results of Mann-Kendall Test for Trend: **No Significant Trend**

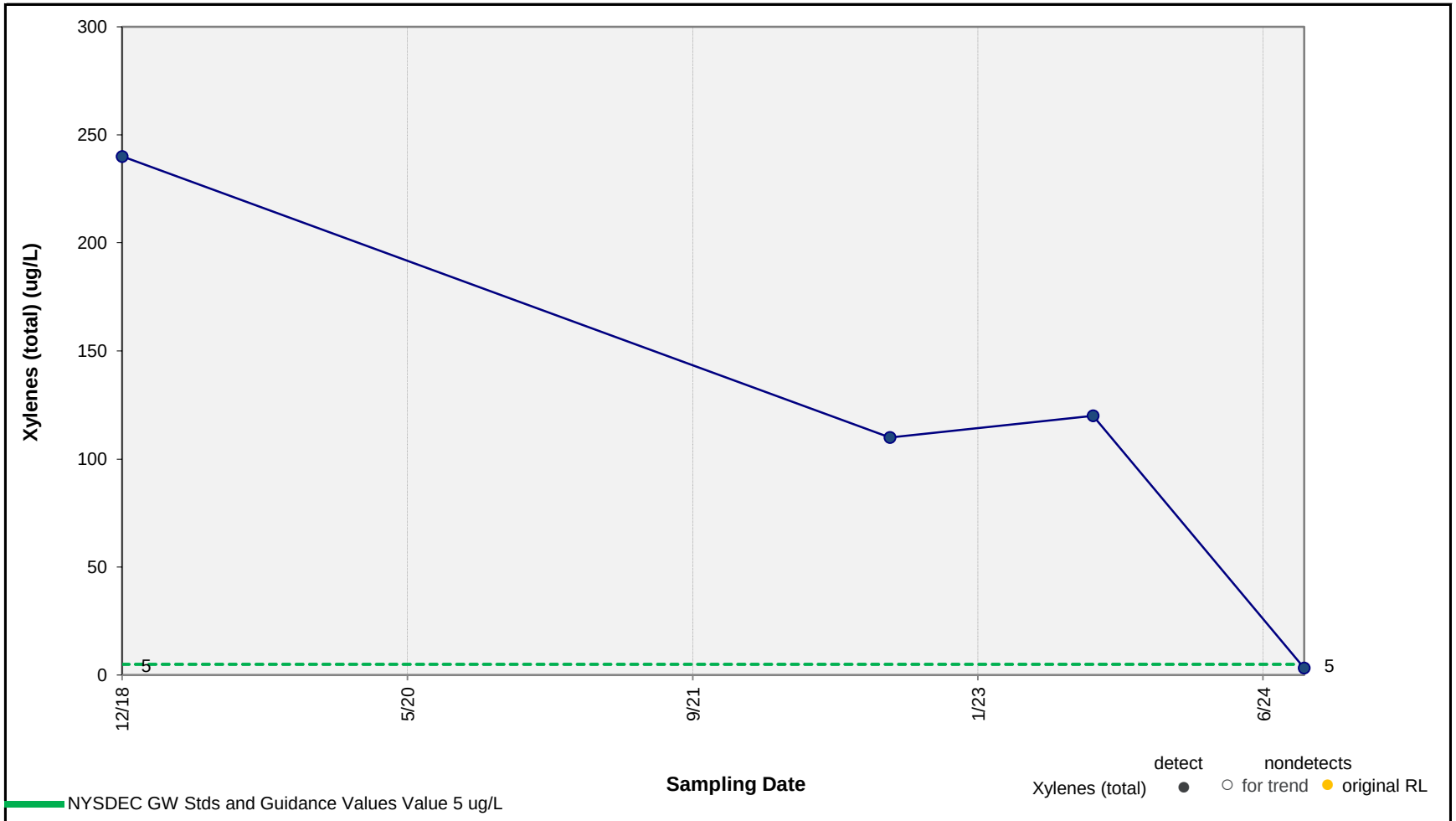
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-51



Results of Mann-Kendall Test for Trend: **No Significant Trend**

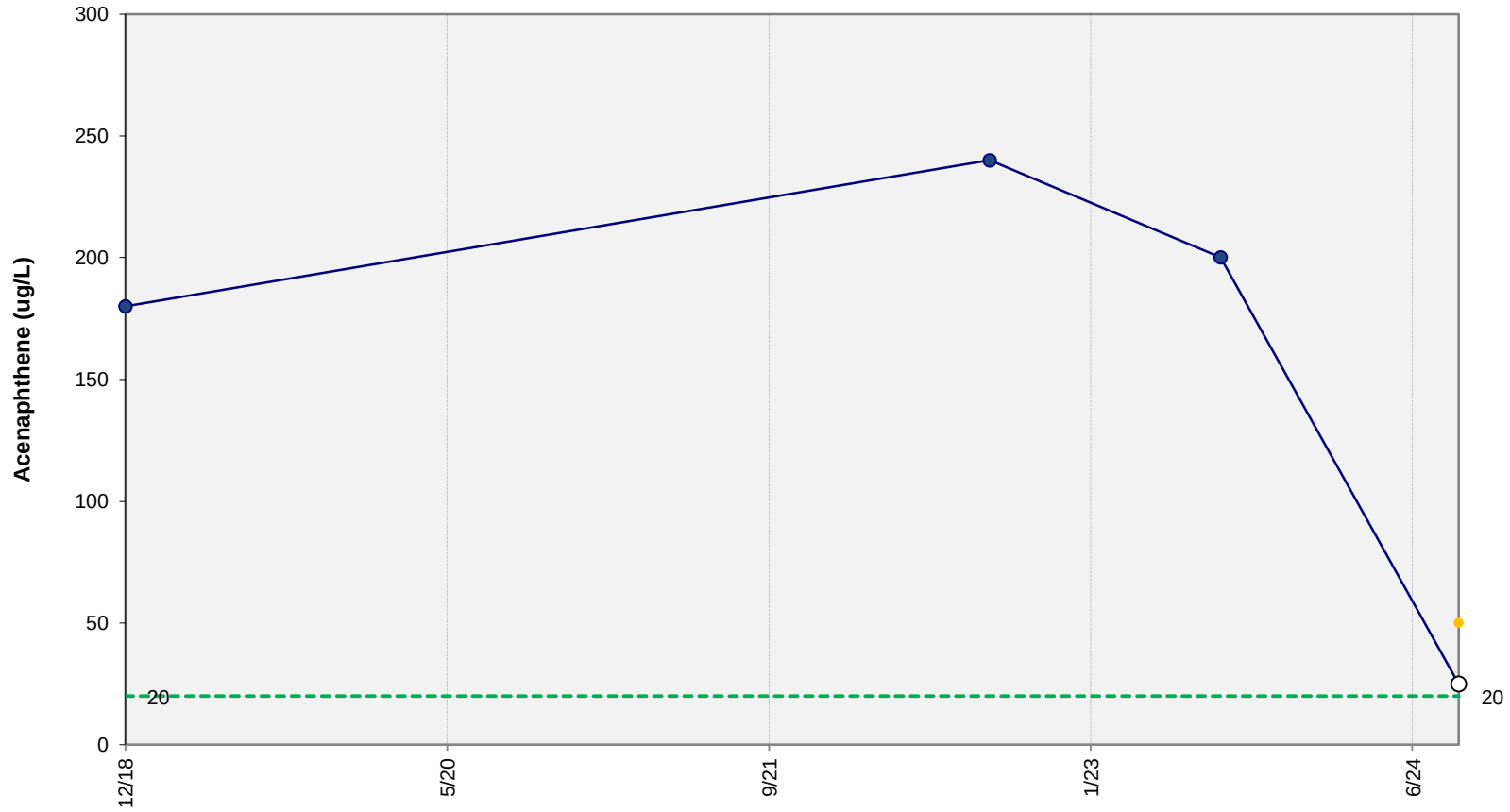
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well MW-1802

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-52



Results of Mann-Kendall Test for Trend: **No Significant Trend**

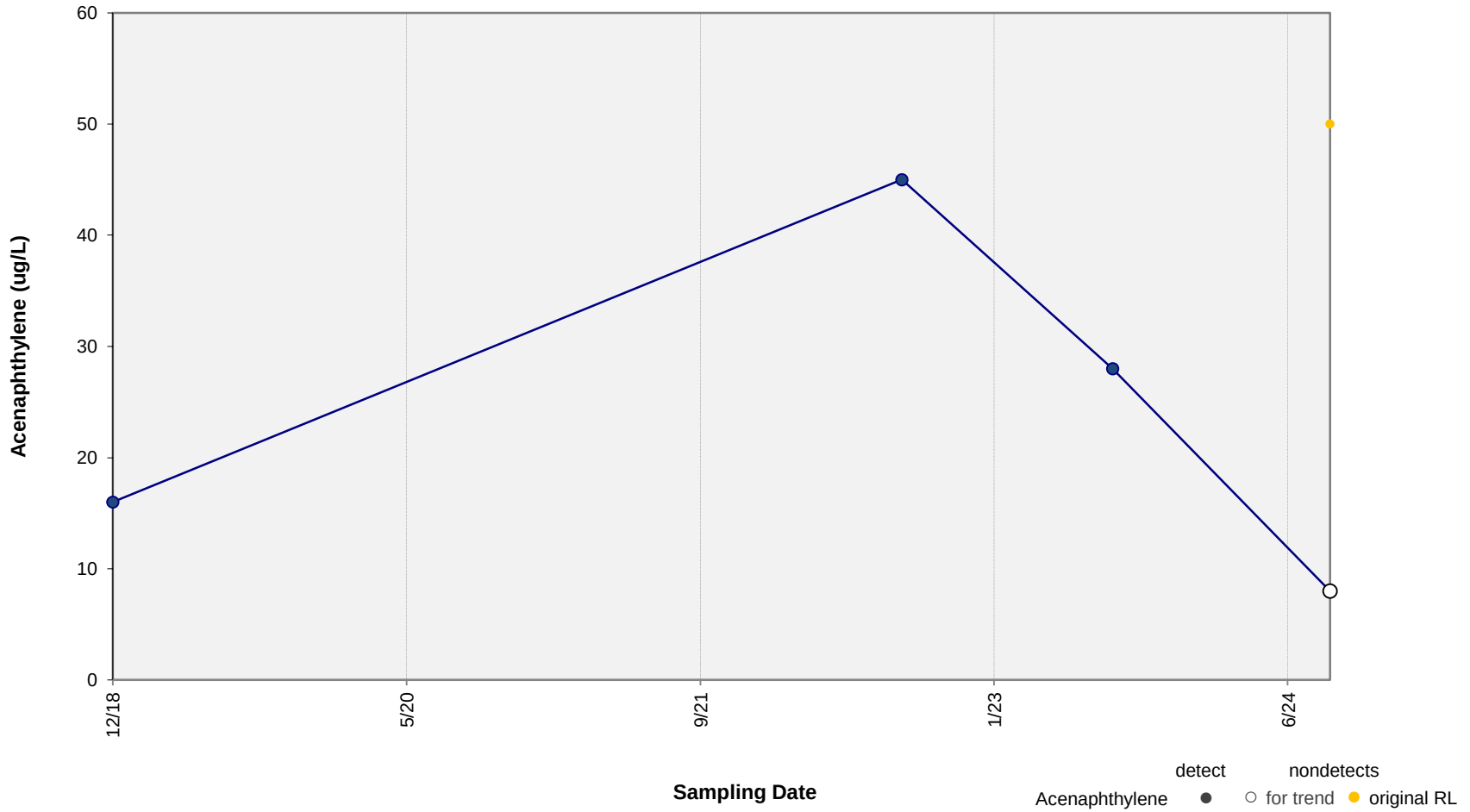
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-53



Results of Mann-Kendall Test for Trend: **No Significant Trend**

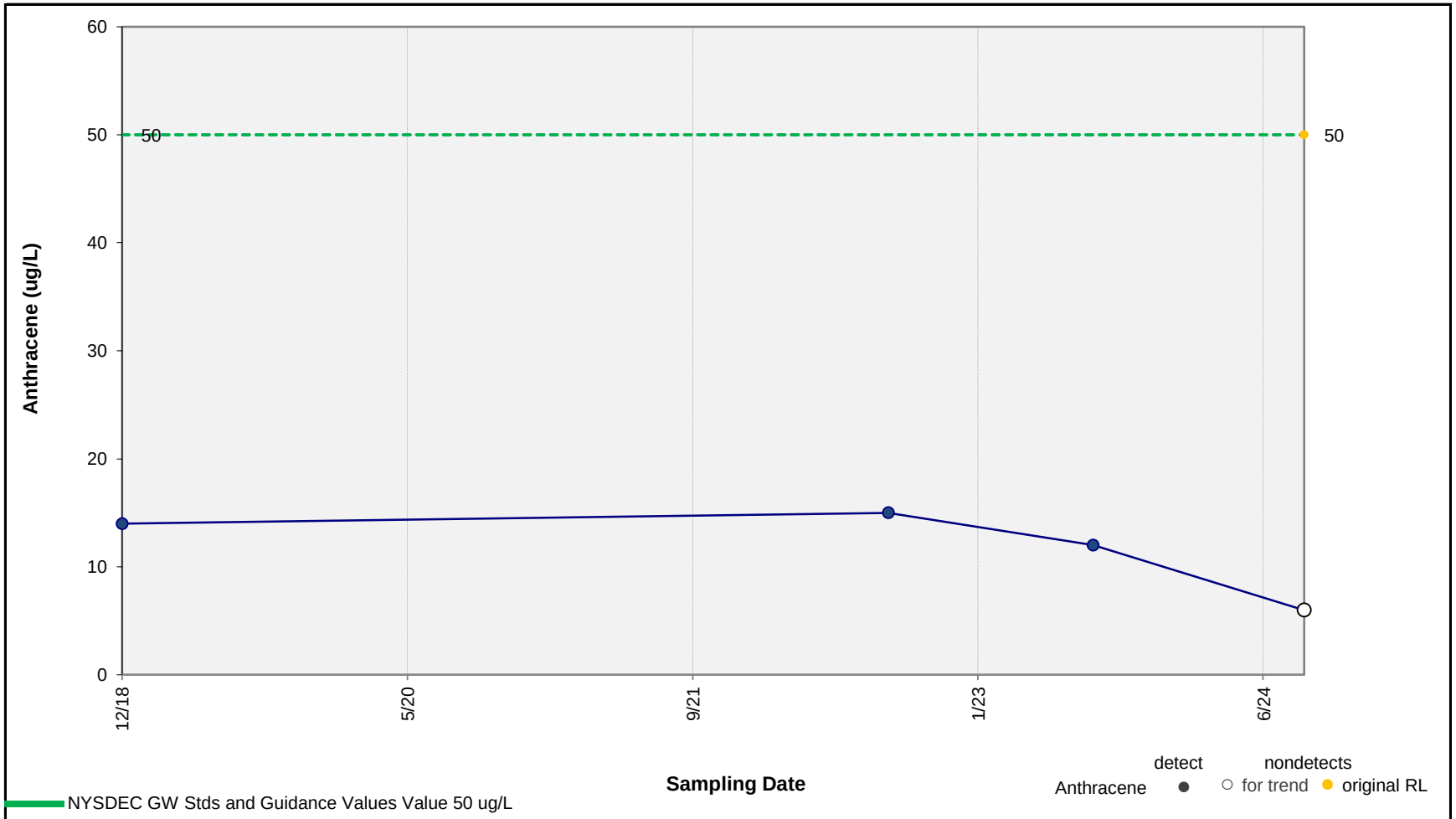
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthylene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-54



Results of Mann-Kendall Test for Trend: **No Significant Trend**

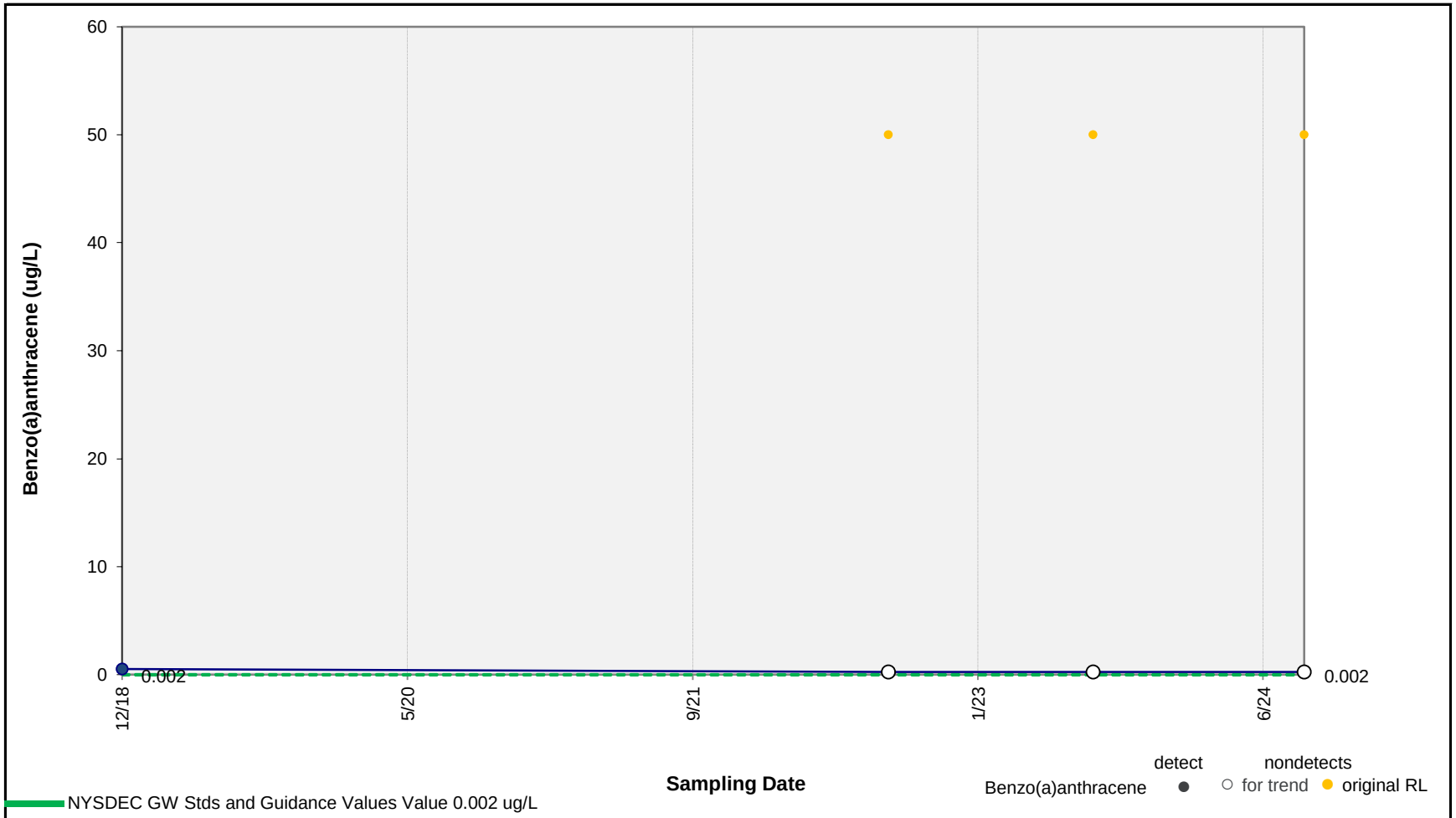
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Anthracene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-55



Results of Mann-Kendall Test for Trend: **No Significant Trend**

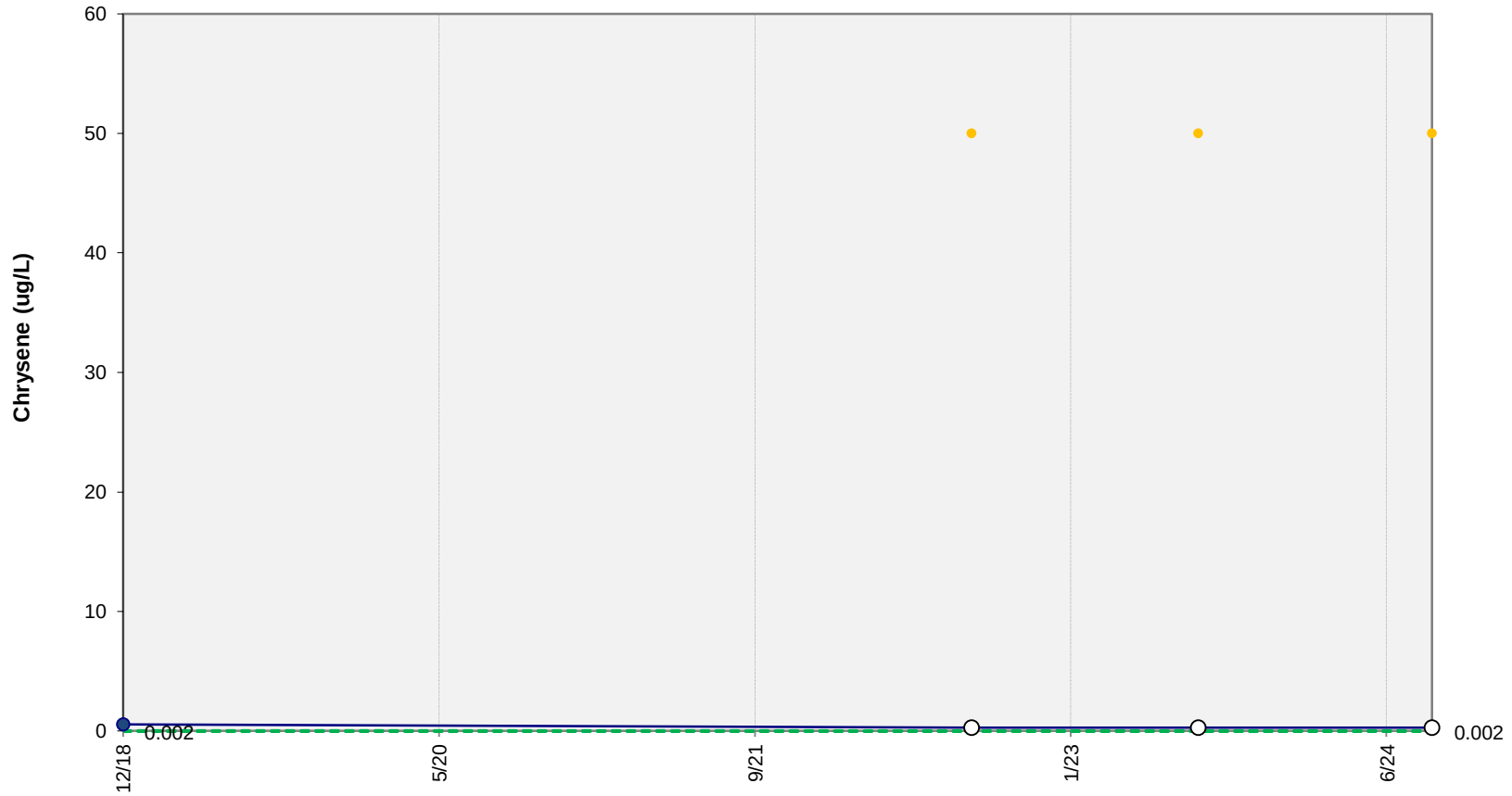
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(a)anthracene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-56



Results of Mann-Kendall Test for Trend: **No Significant Trend**

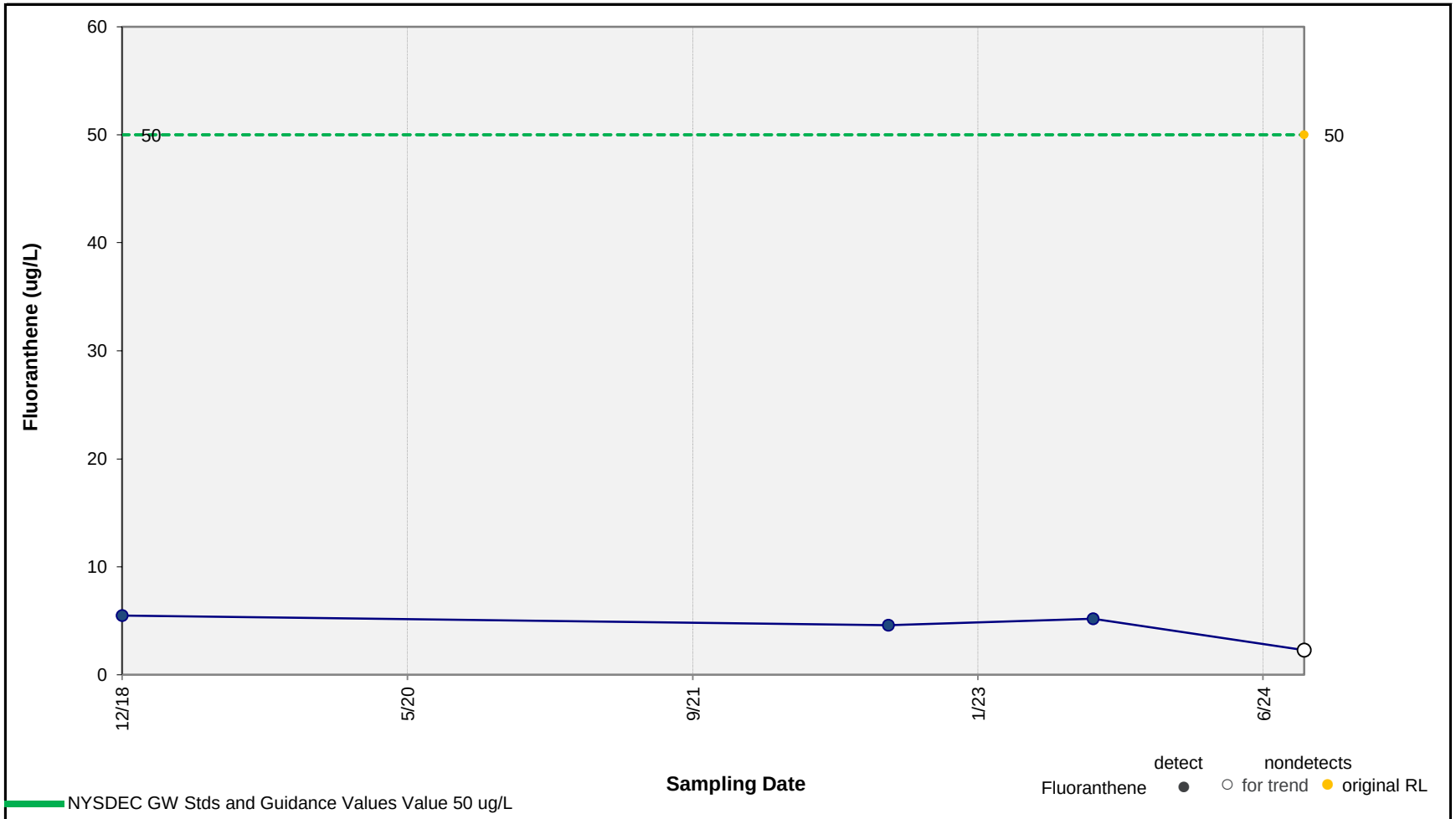
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Chrysene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-57



Results of Mann-Kendall Test for Trend: **No Significant Trend**

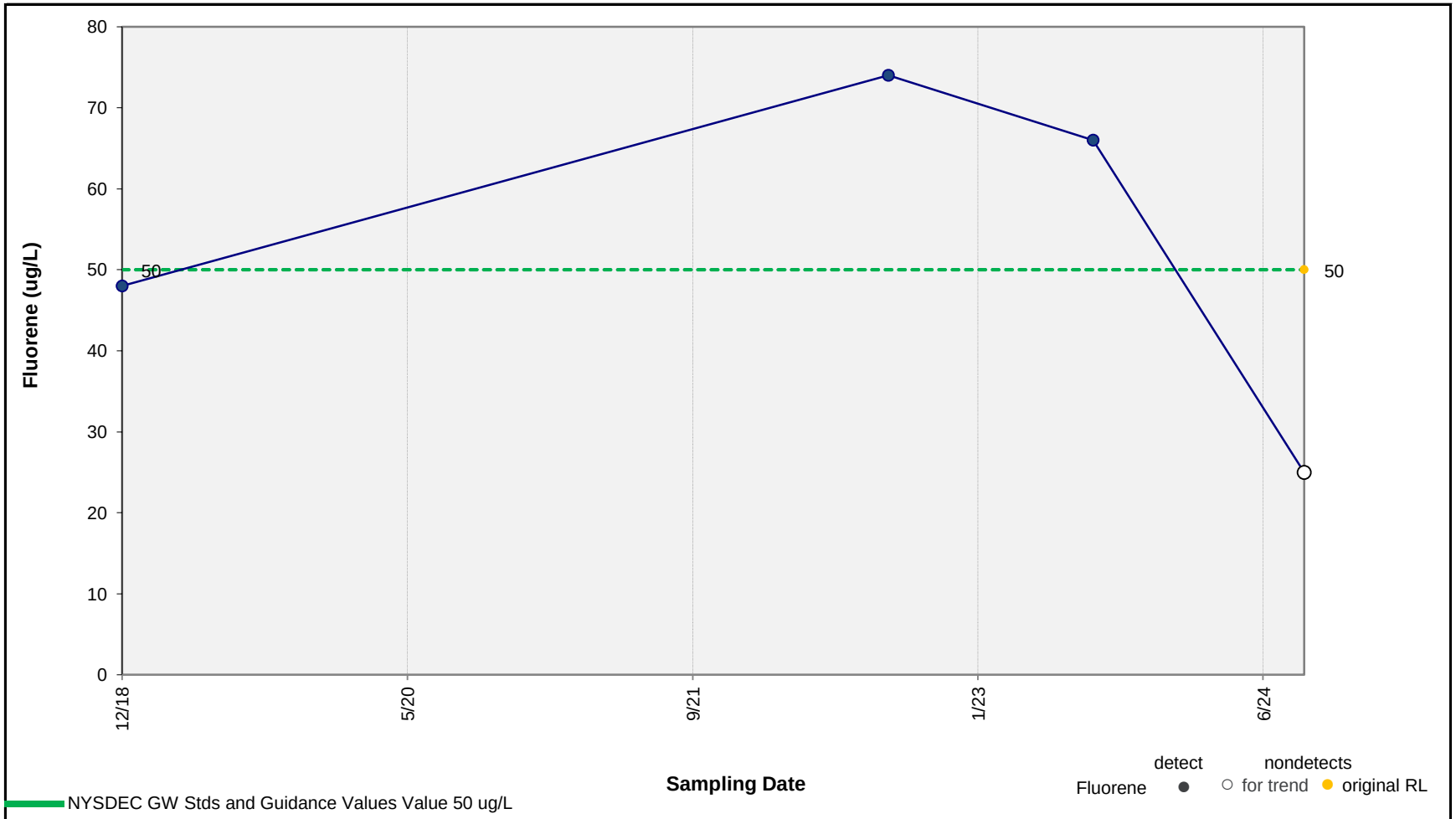
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-58



Results of Mann-Kendall Test for Trend: **No Significant Trend**

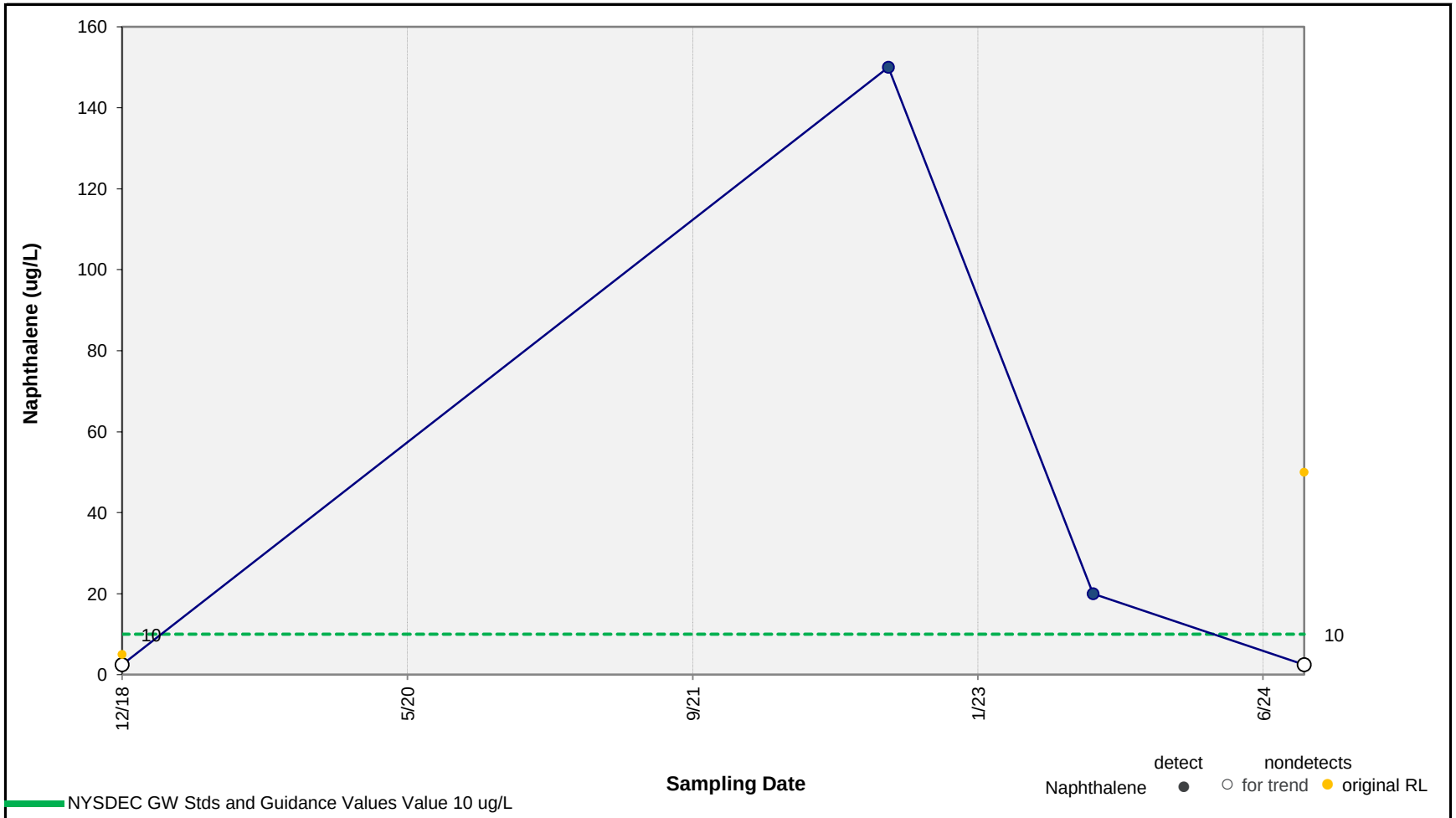
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluorene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-59



Results of Mann-Kendall Test for Trend: **No Significant Trend**

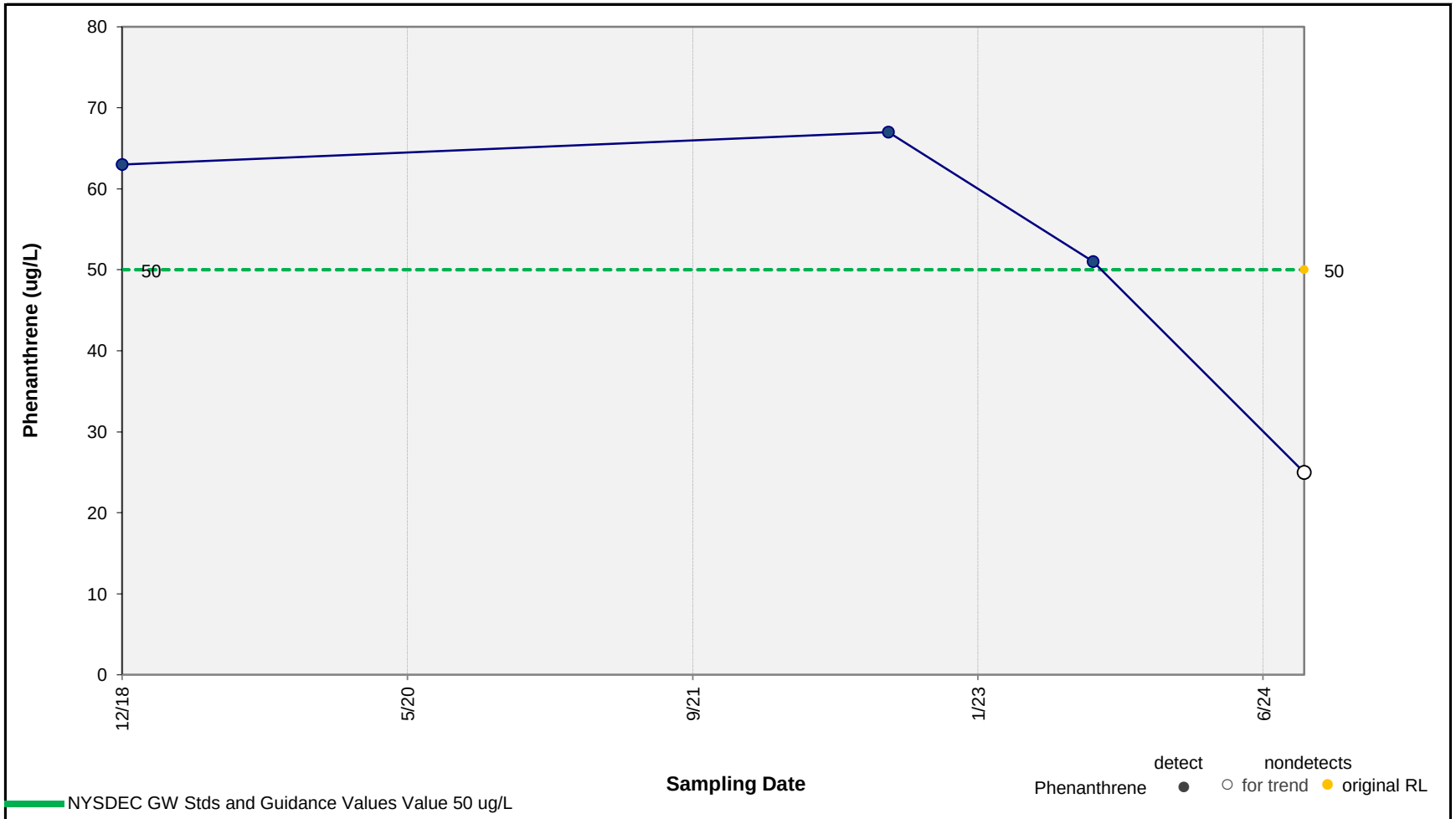
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Naphthalene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-60



Results of Mann-Kendall Test for Trend: **No Significant Trend**

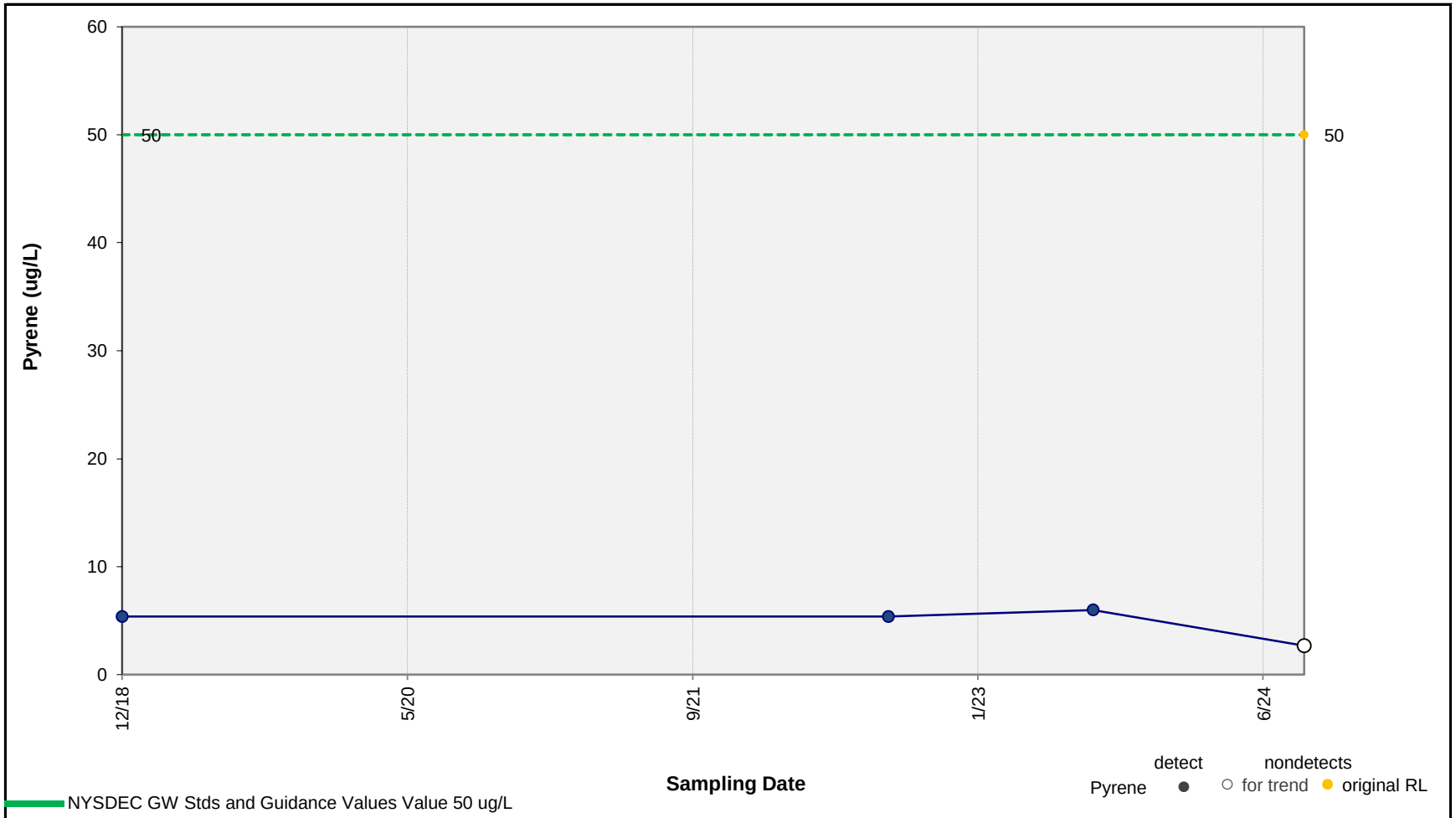
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-61



Results of Mann-Kendall Test for Trend: **No Significant Trend**

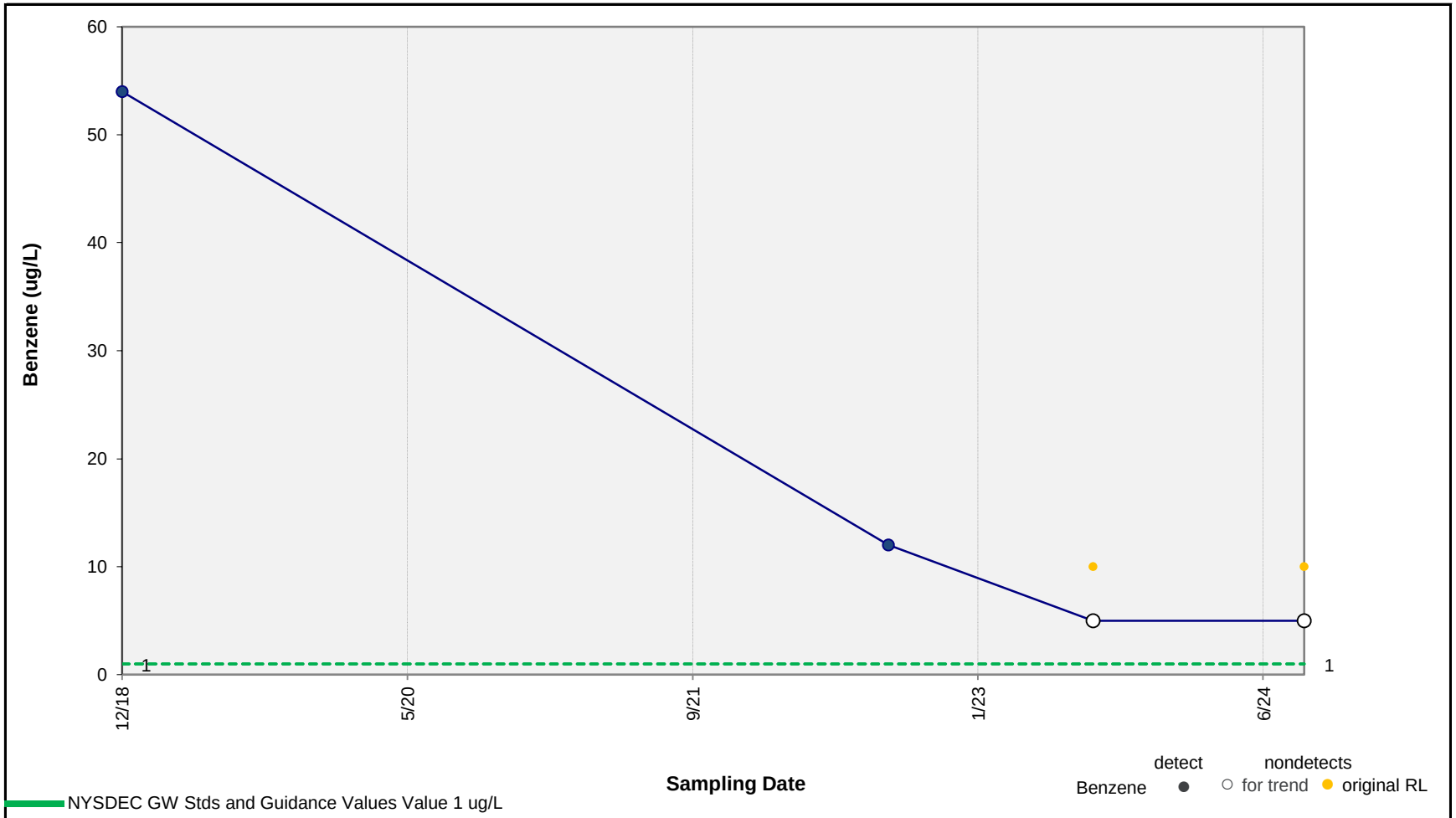
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-62



Results of Mann-Kendall Test for Trend: **No Significant Trend**

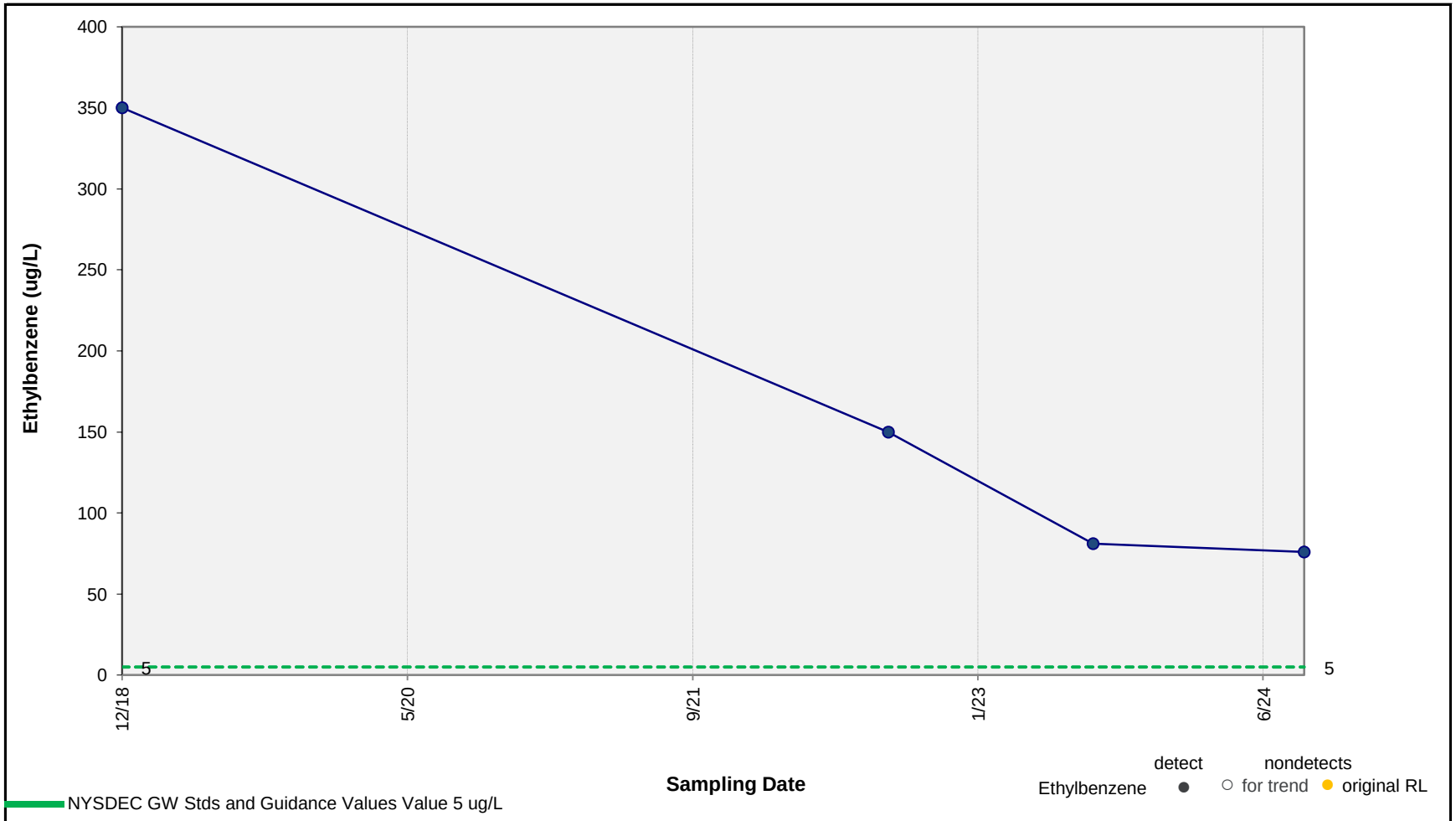
p value = 0.105 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-63



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

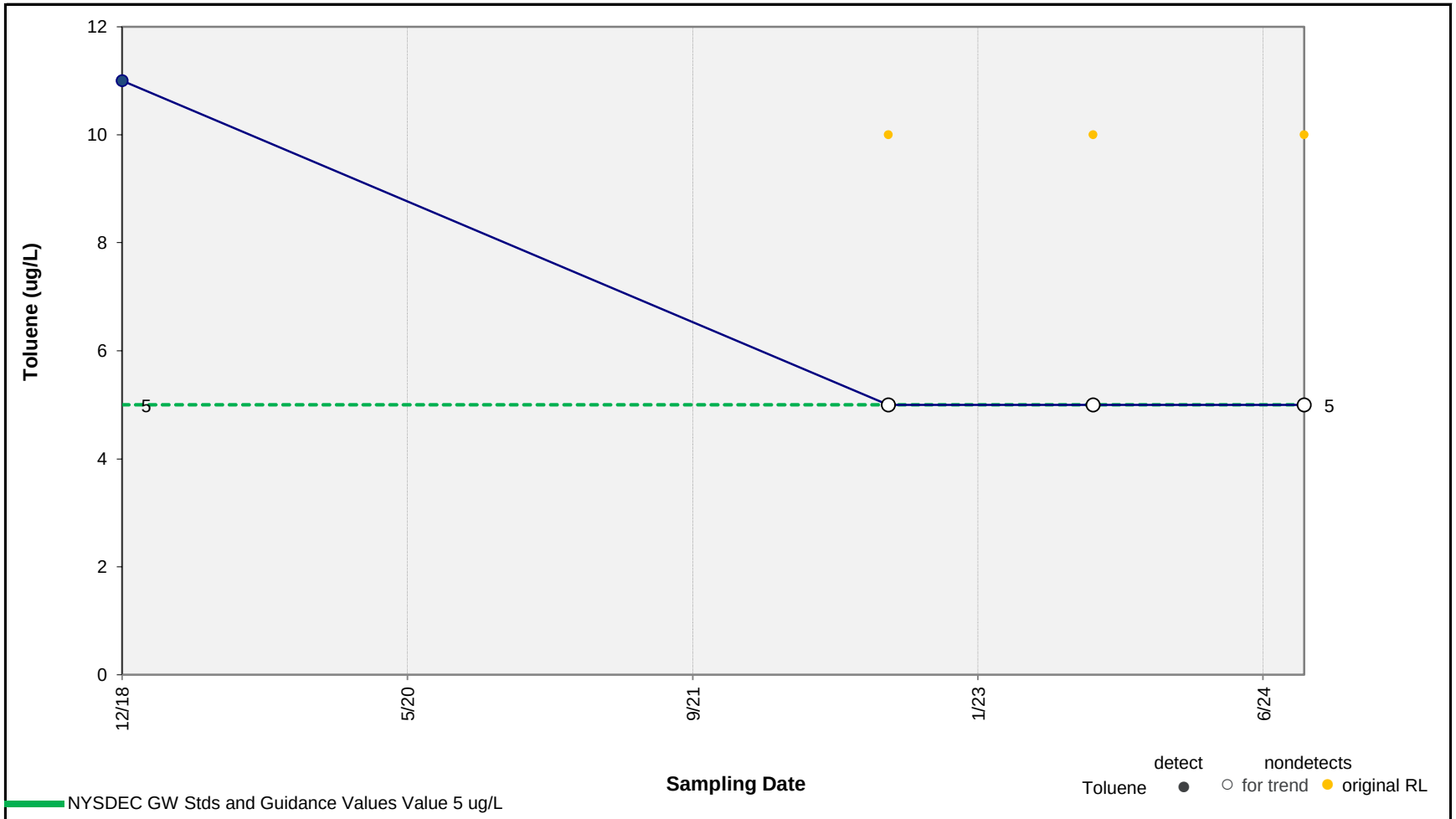
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-64



Results of Mann-Kendall Test for Trend: **No Significant Trend**

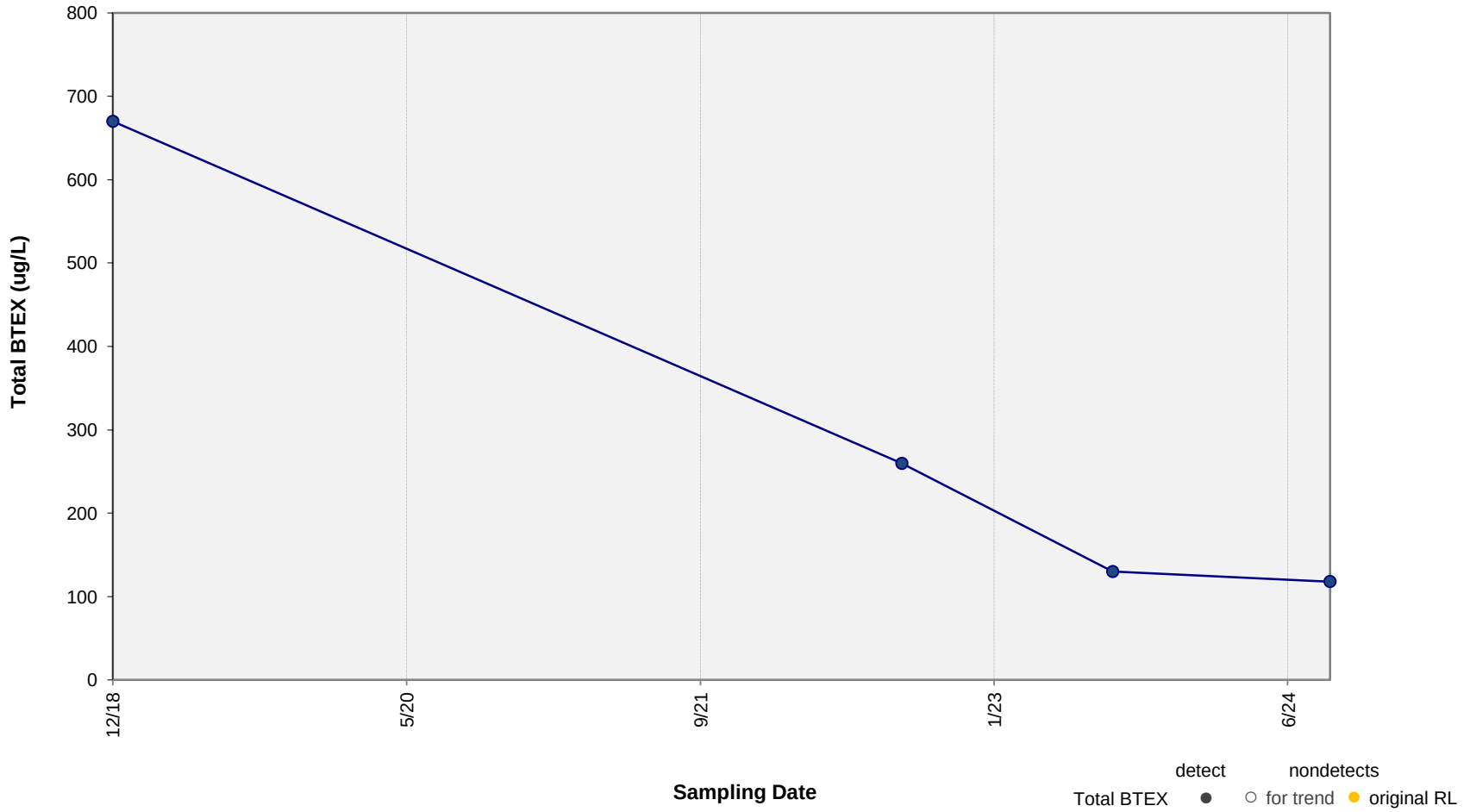
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Toluene in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-65



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

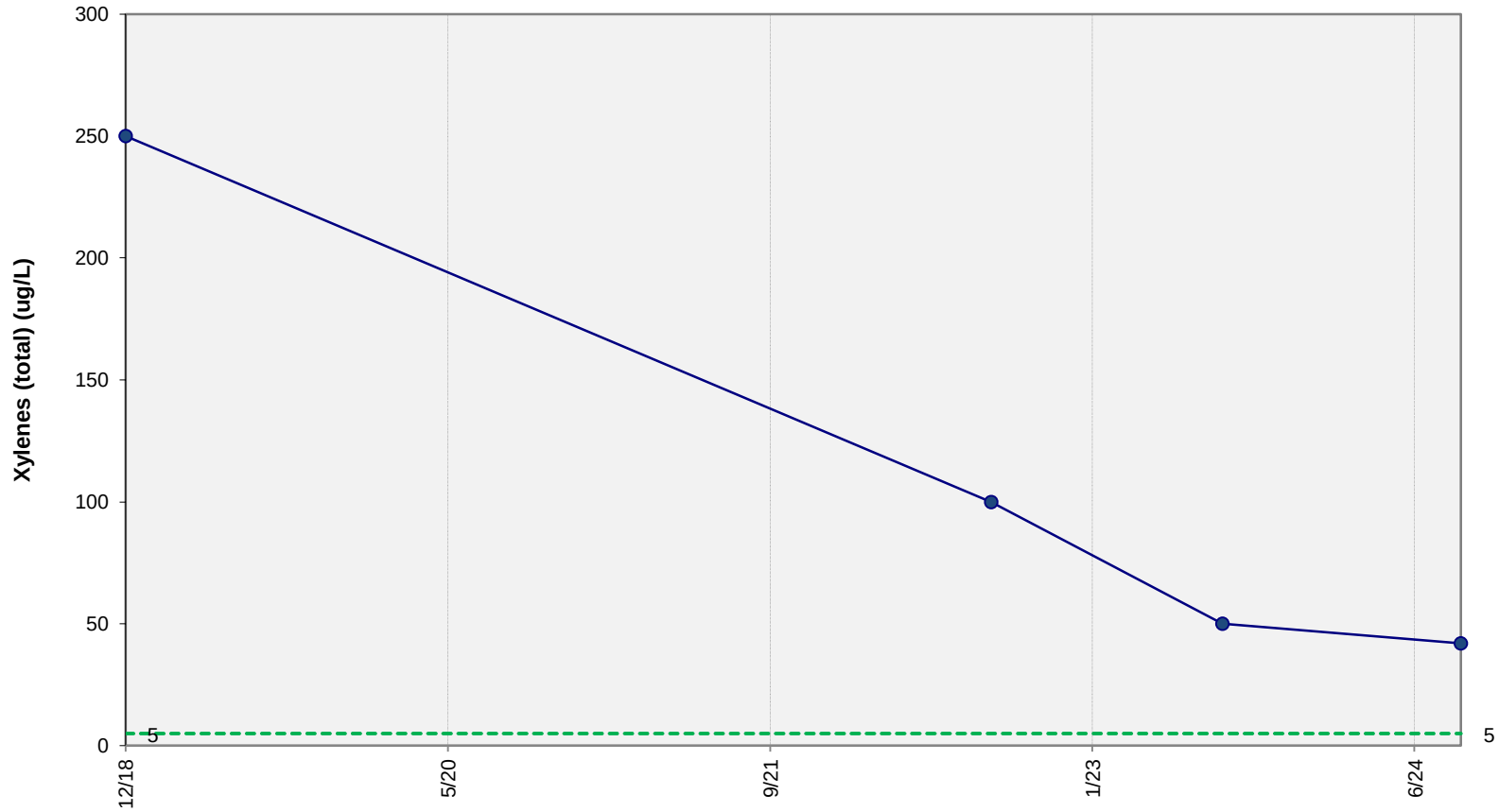
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-66



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

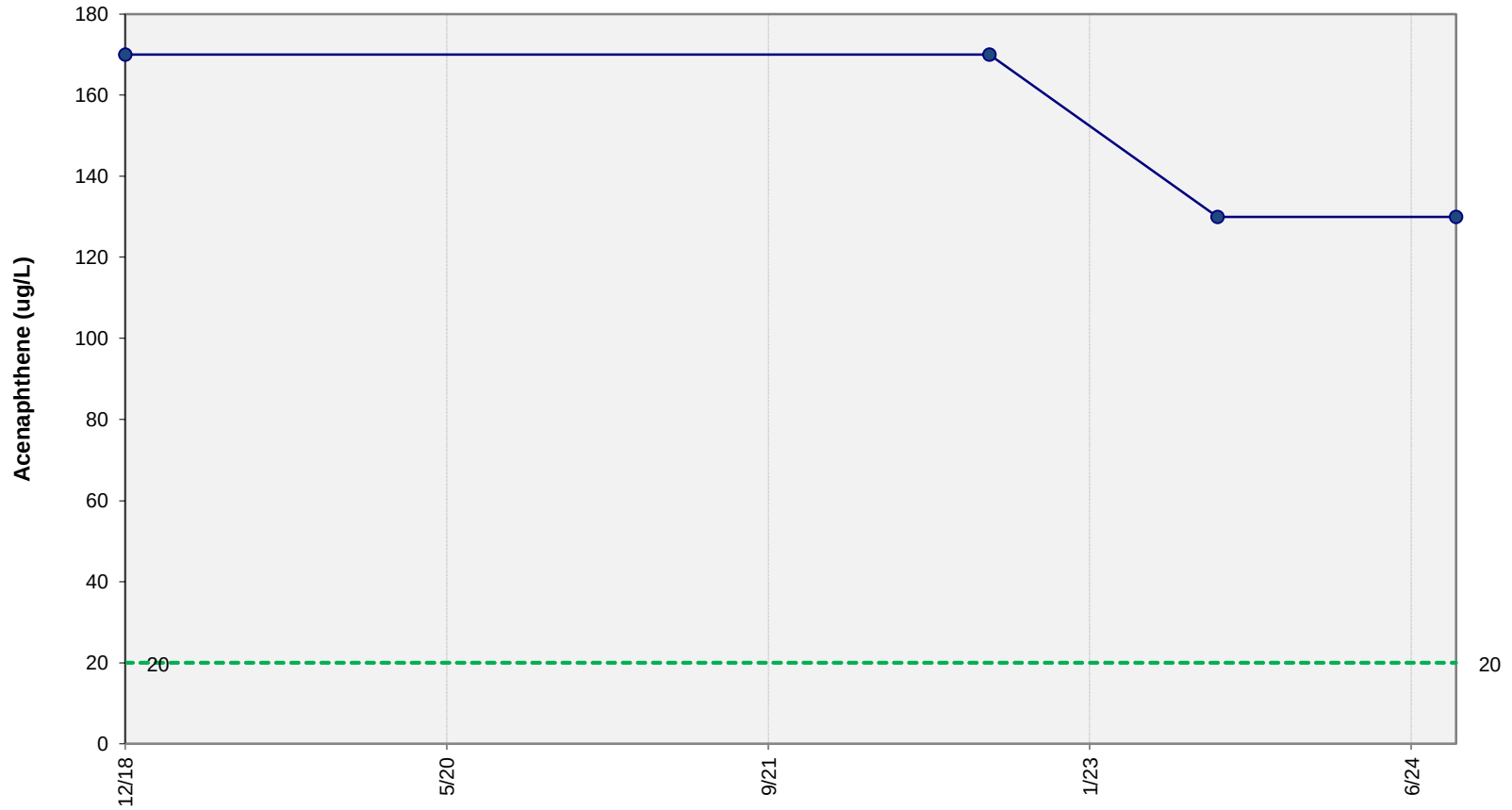
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well MW-1803

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-67



Results of Mann-Kendall Test for Trend: **No Significant Trend**

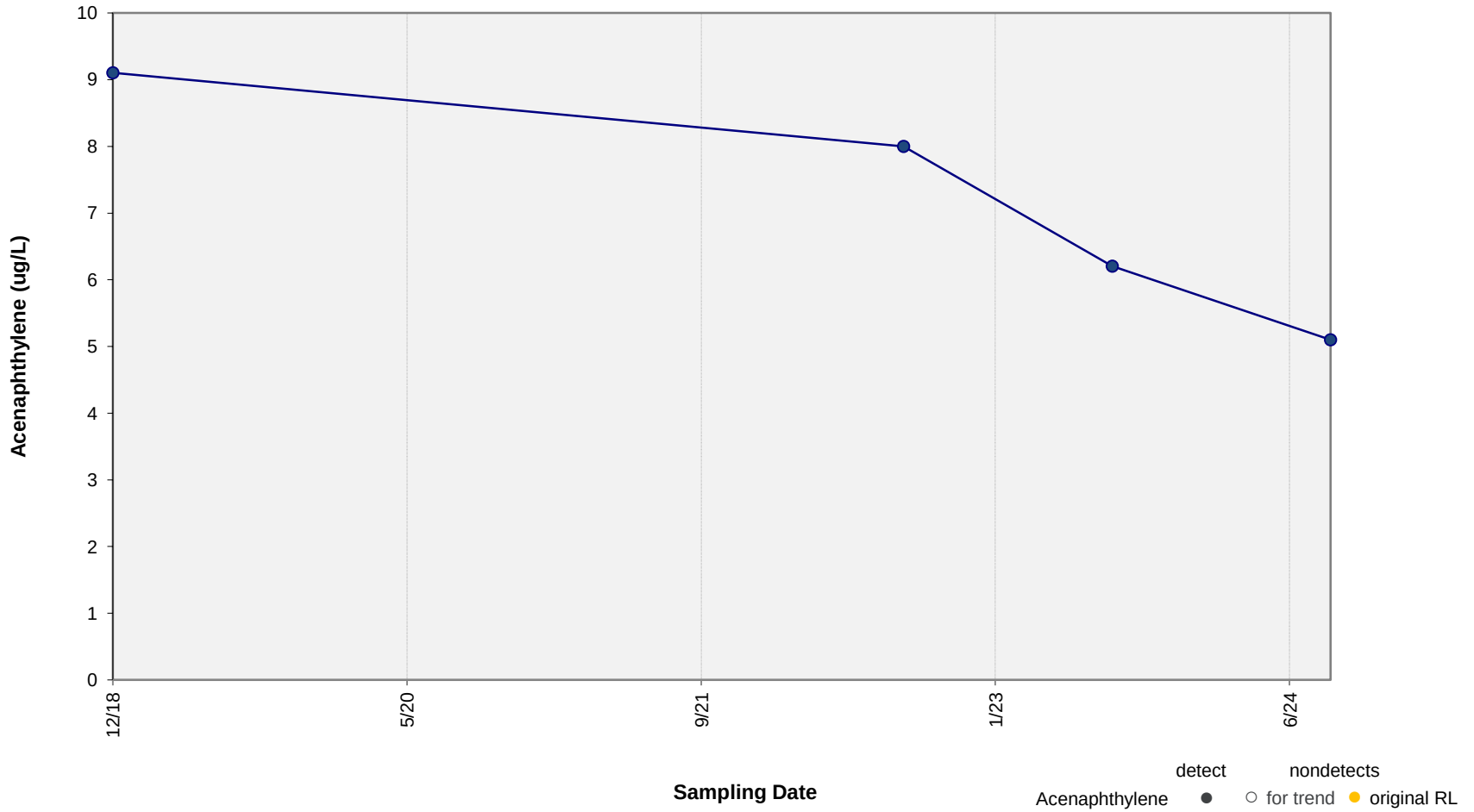
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-68



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

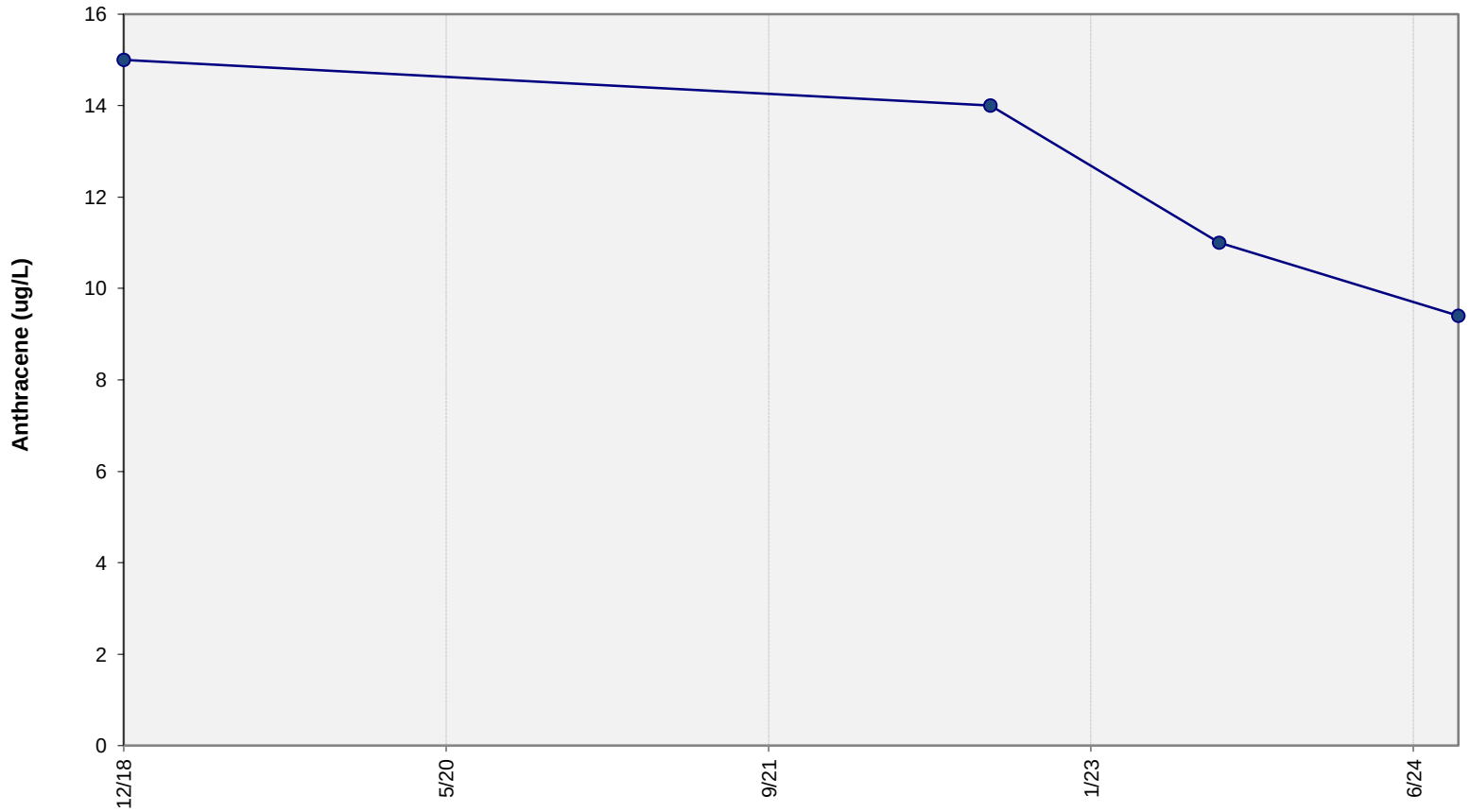
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthylene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-69



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

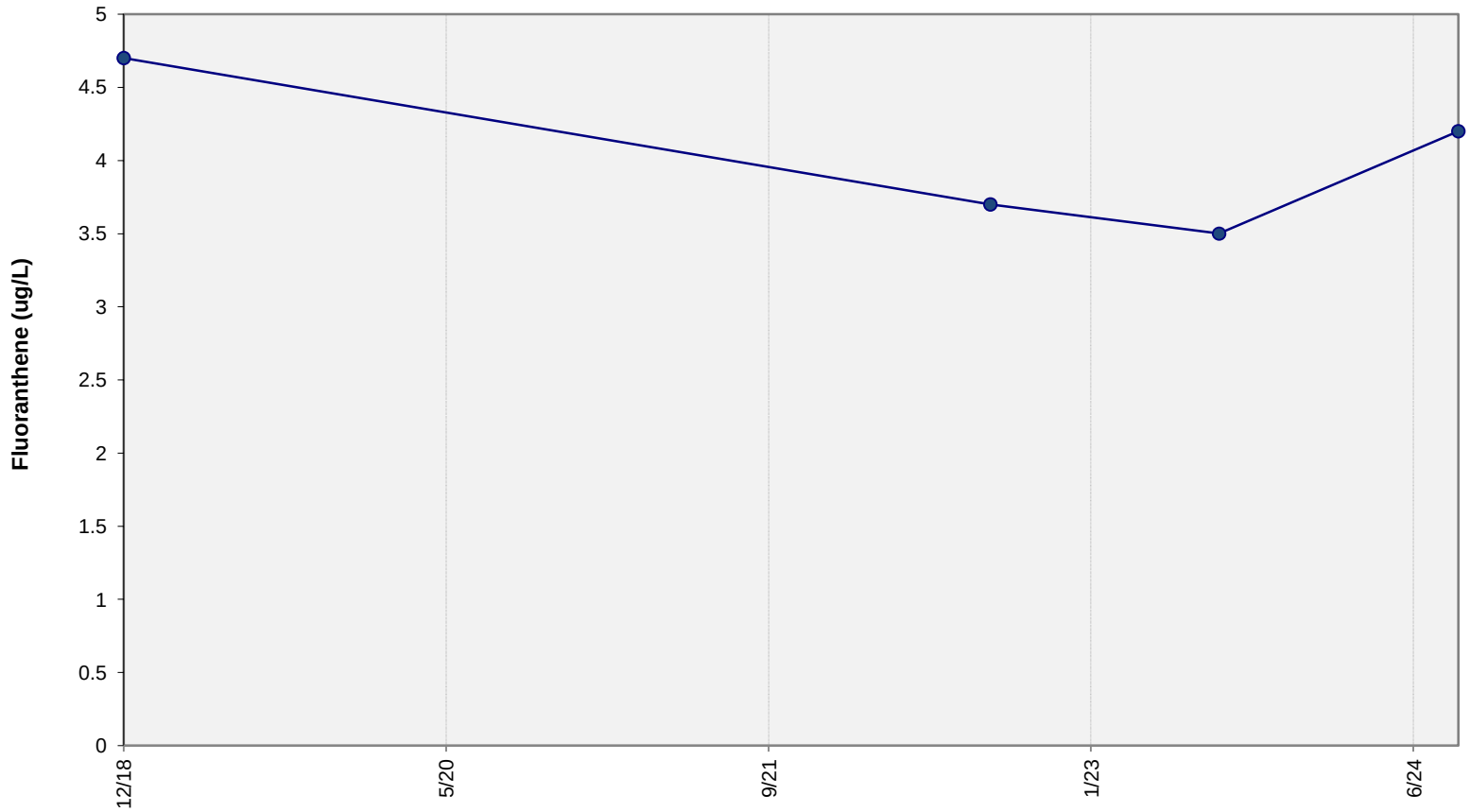
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Anthracene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-70



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

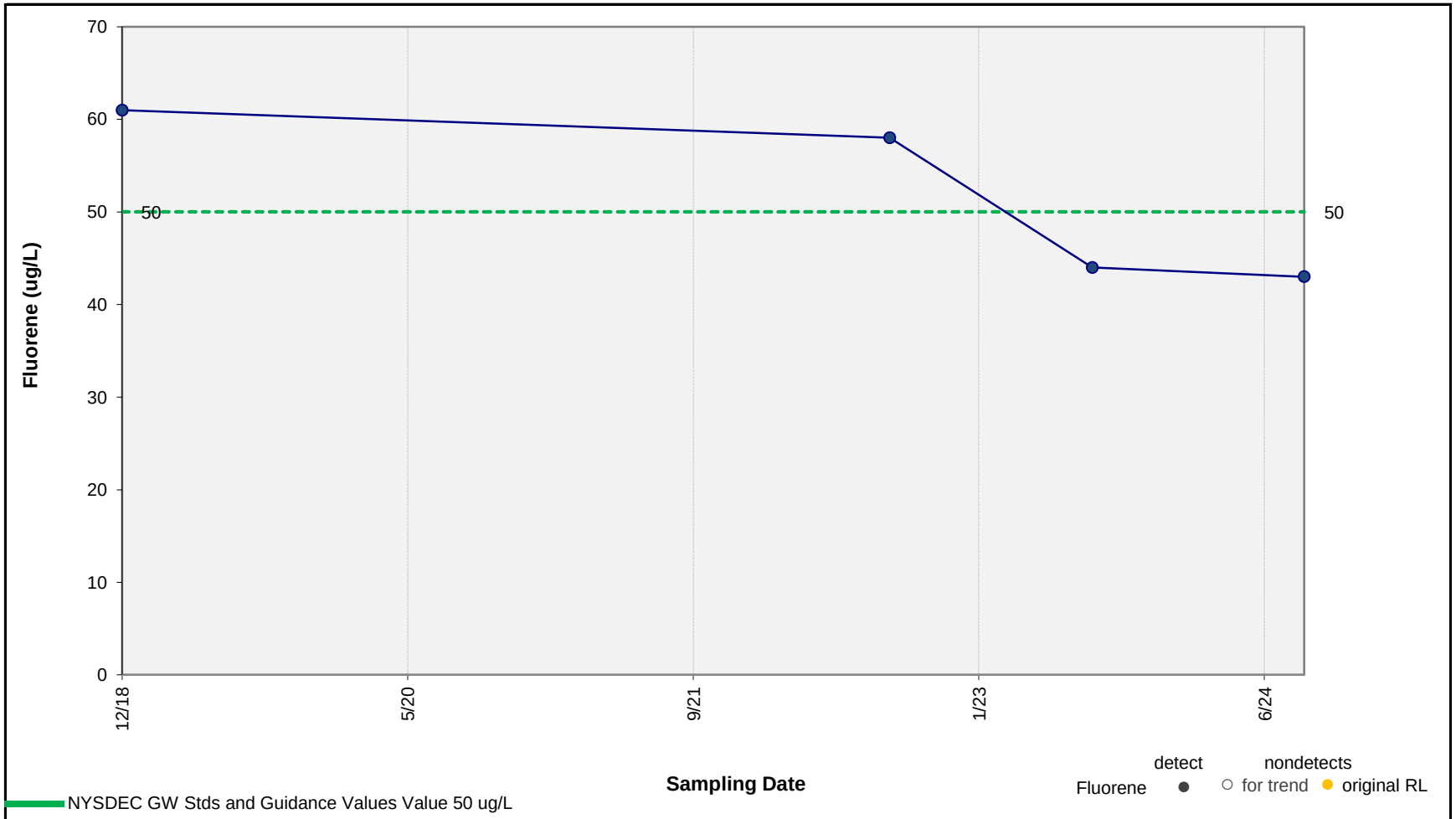
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-71



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

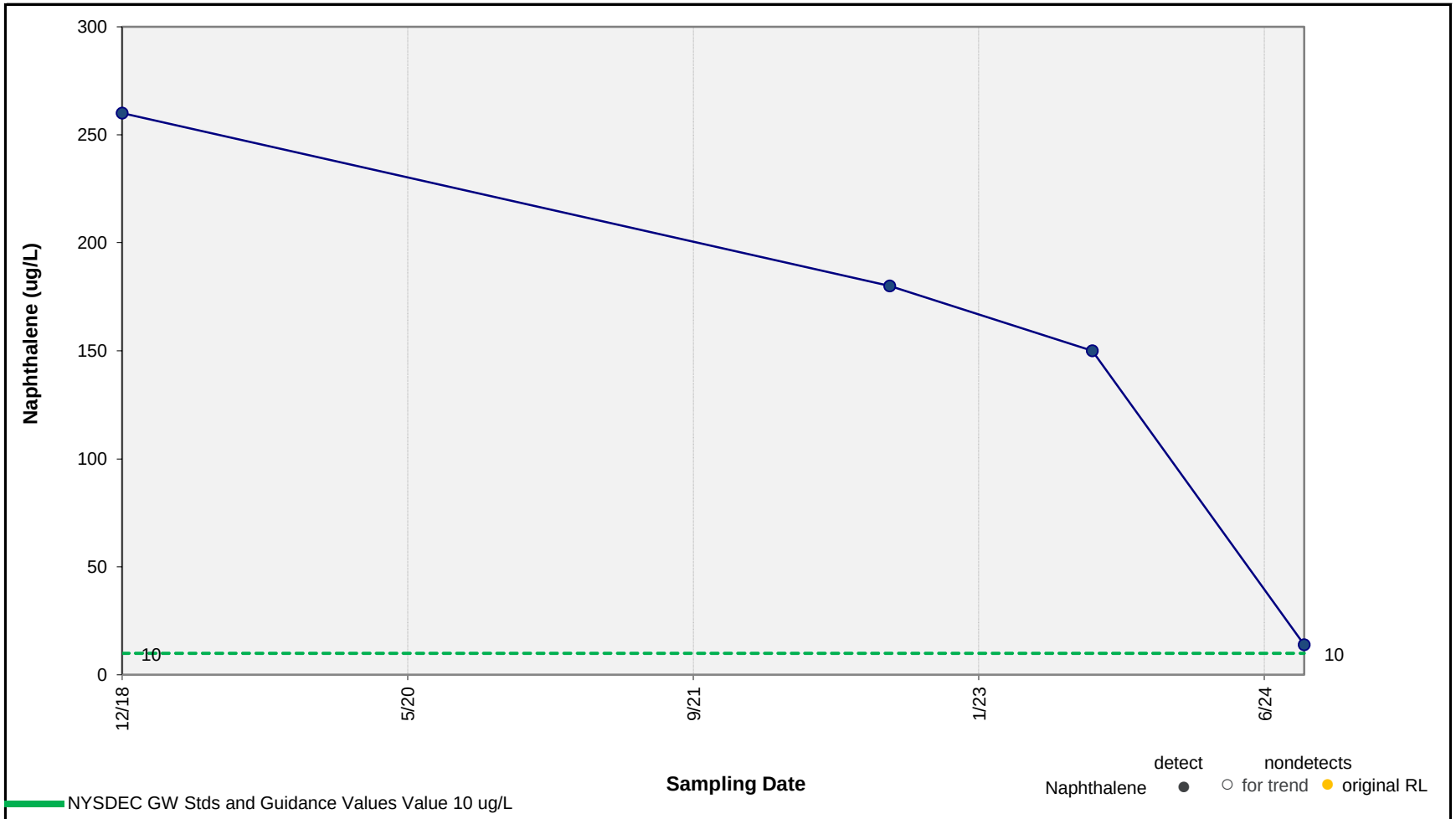
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluorene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-72



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

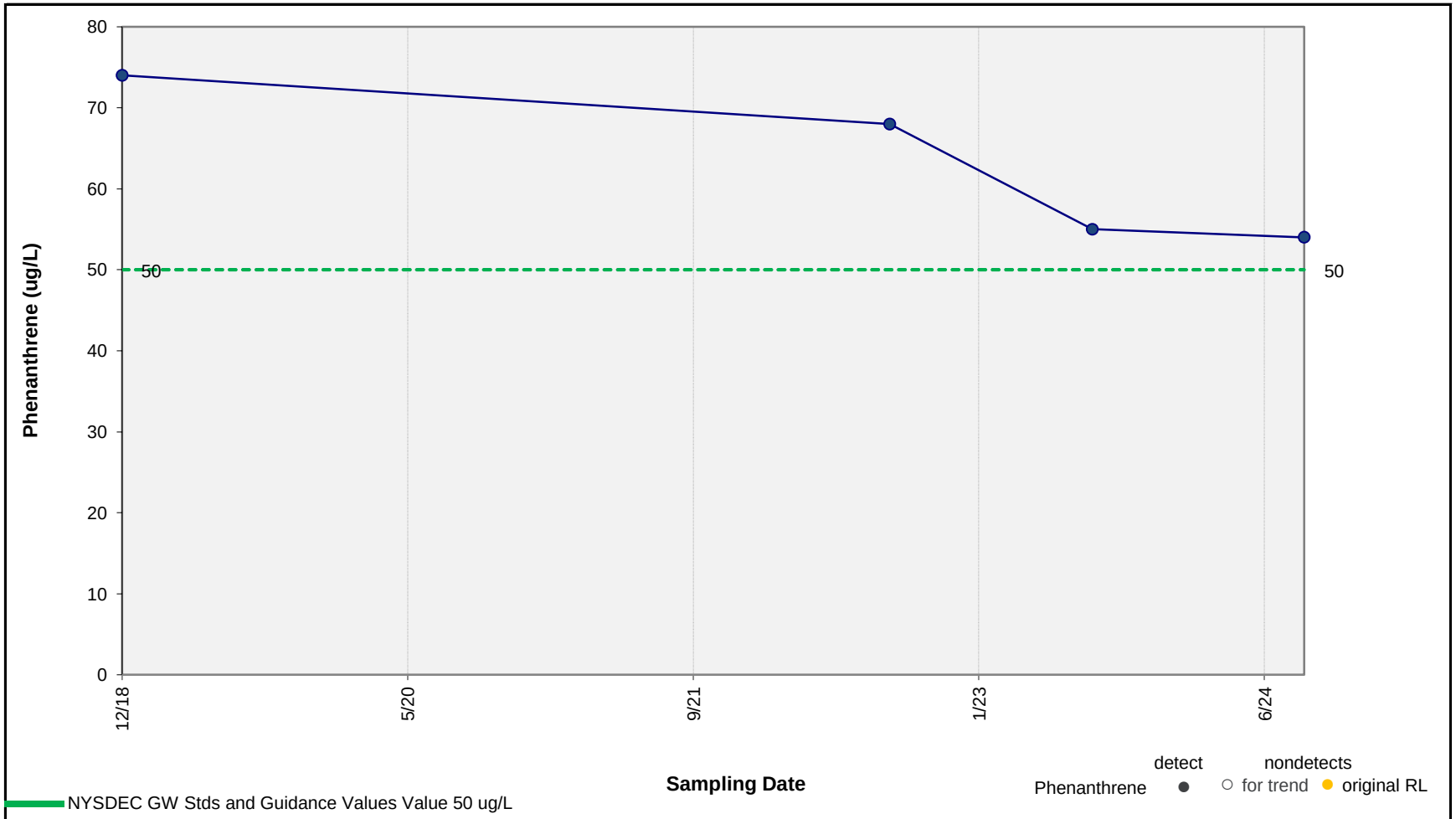
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Naphthalene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-73



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

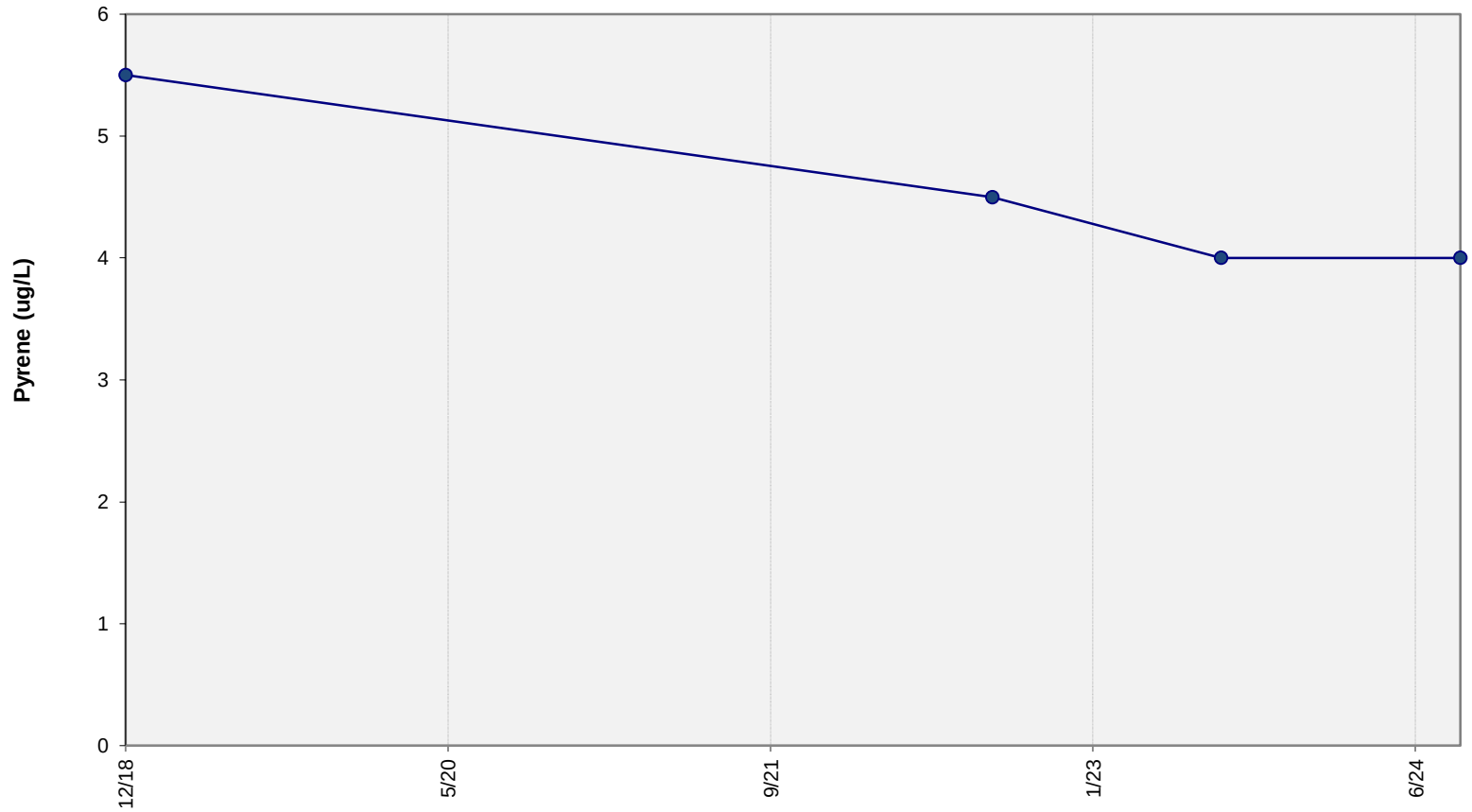
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-74



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

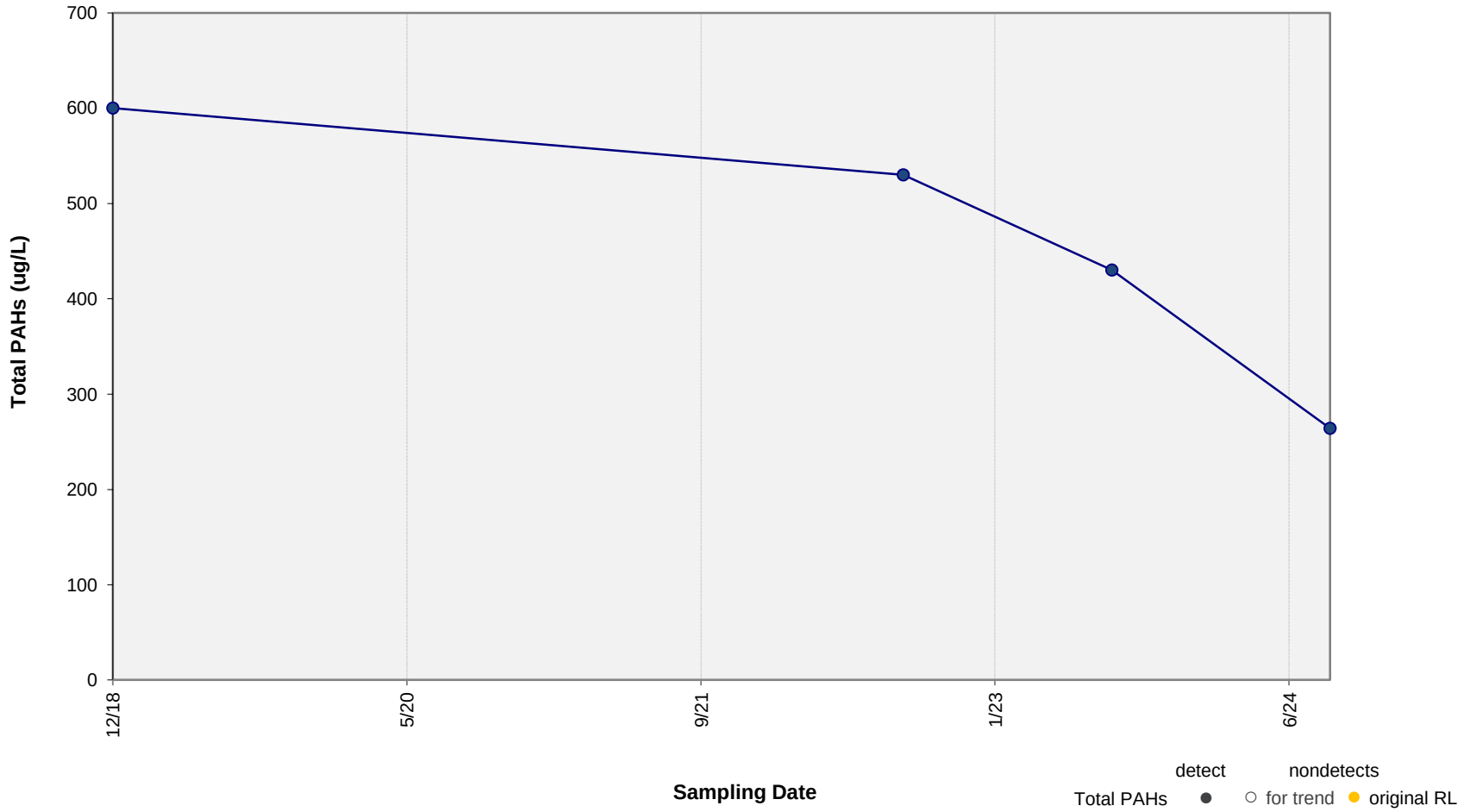
p value = 0.105 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-75



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

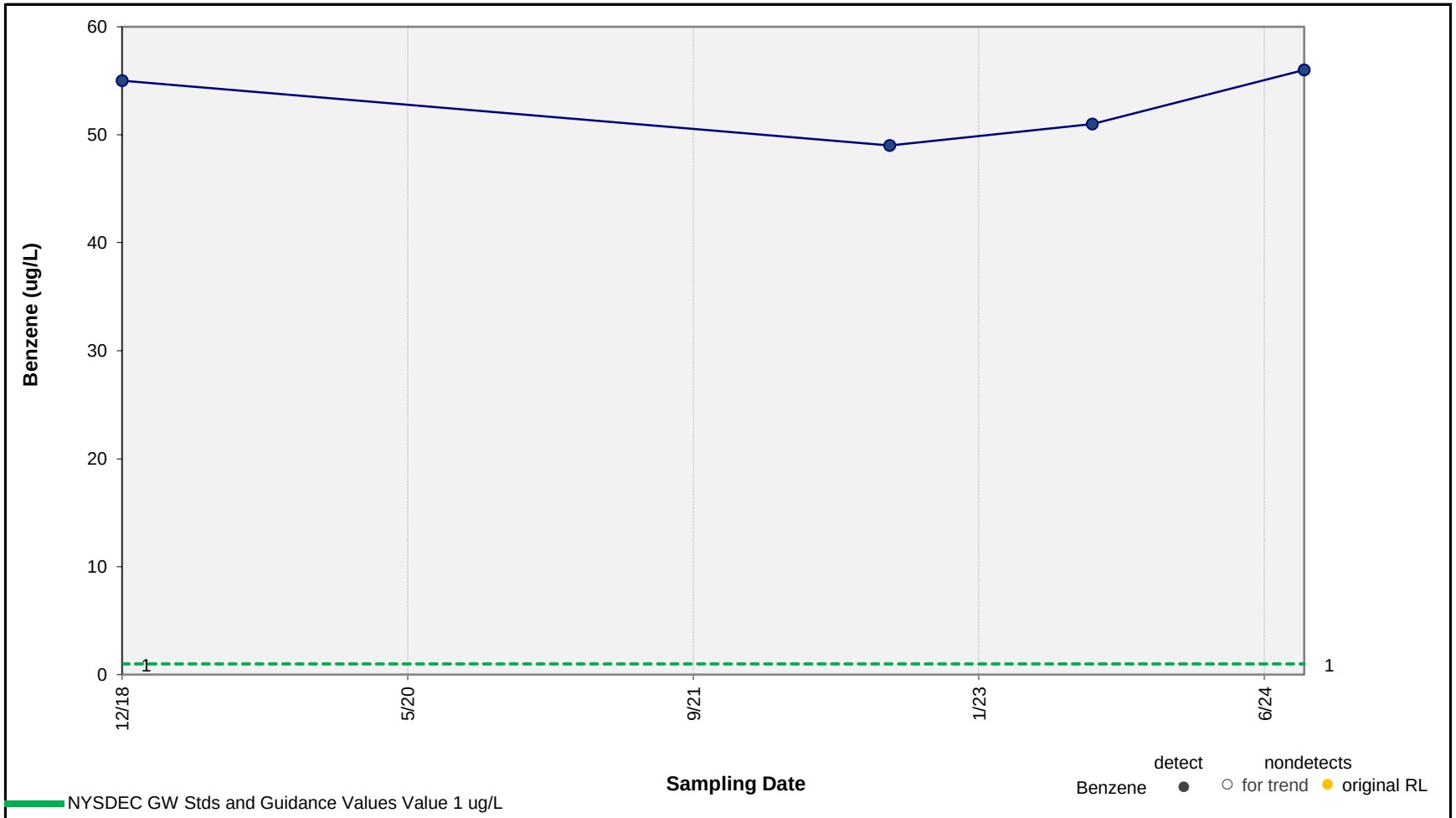
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total PAHs in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-76



Results of Mann-Kendall Test for Trend: **No Significant Trend**

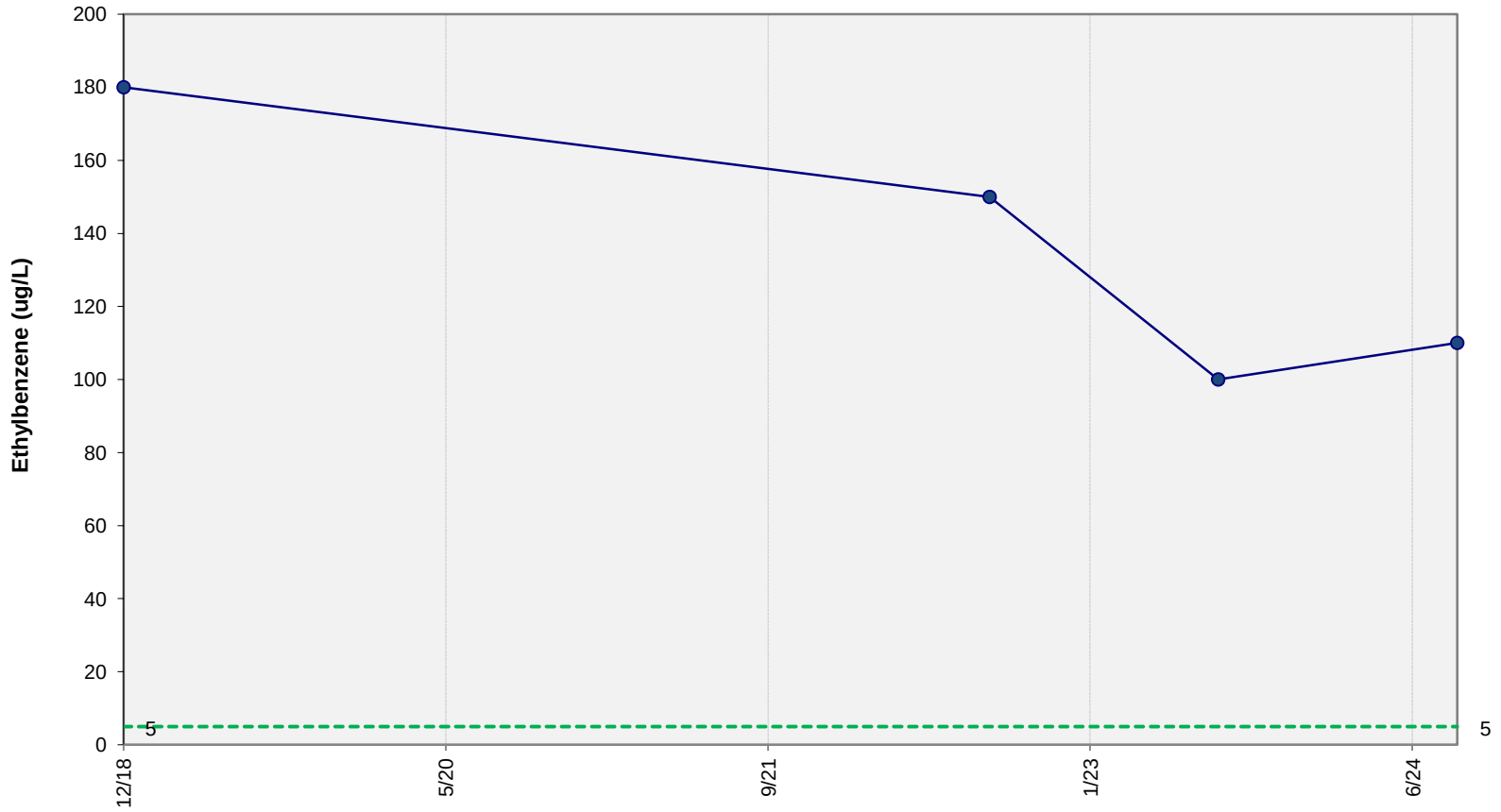
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-77



Results of Mann-Kendall Test for Trend: **No Significant Trend**

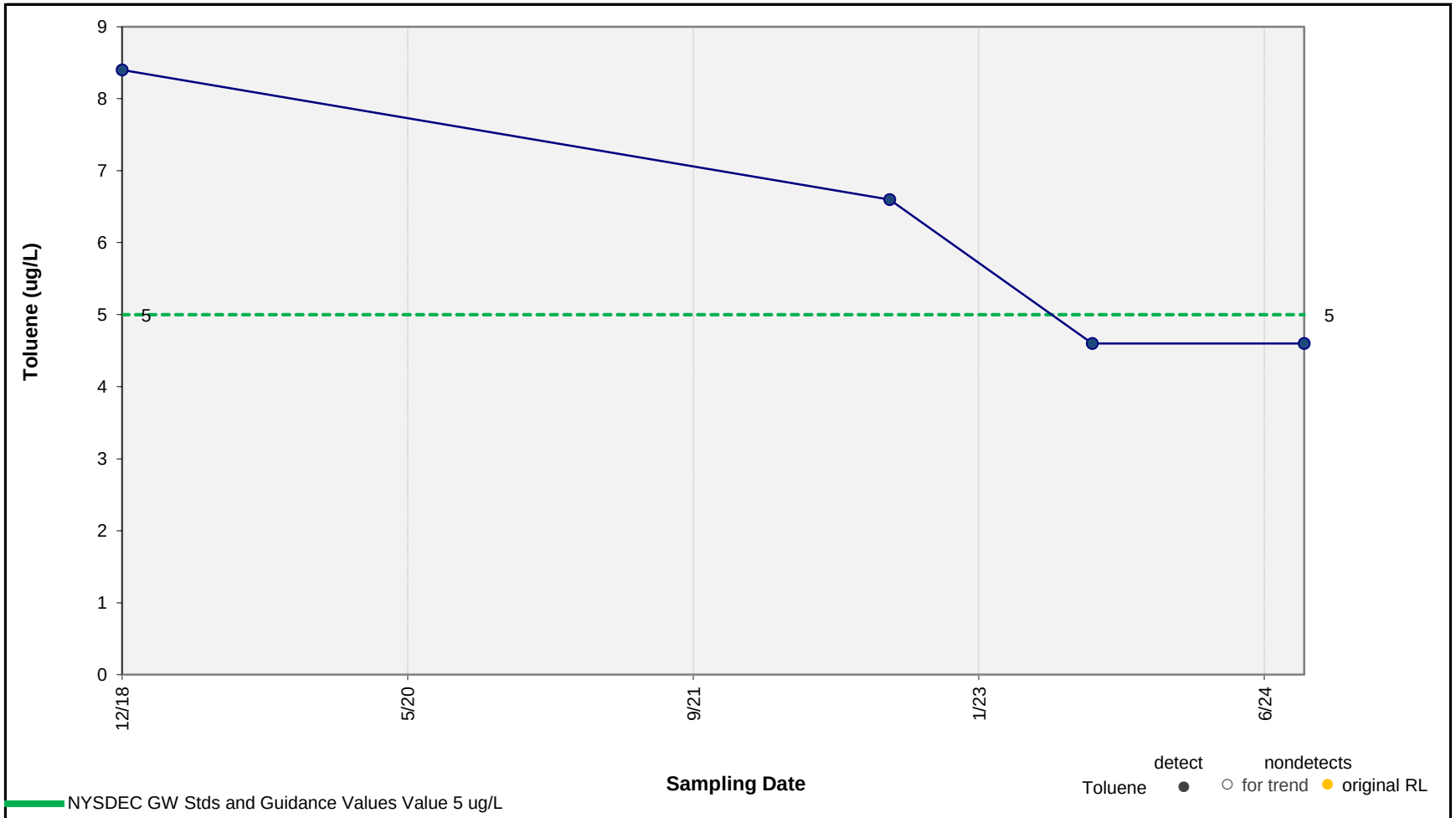
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-78



Results of Mann-Kendall Test for Trend: **No Significant Trend**

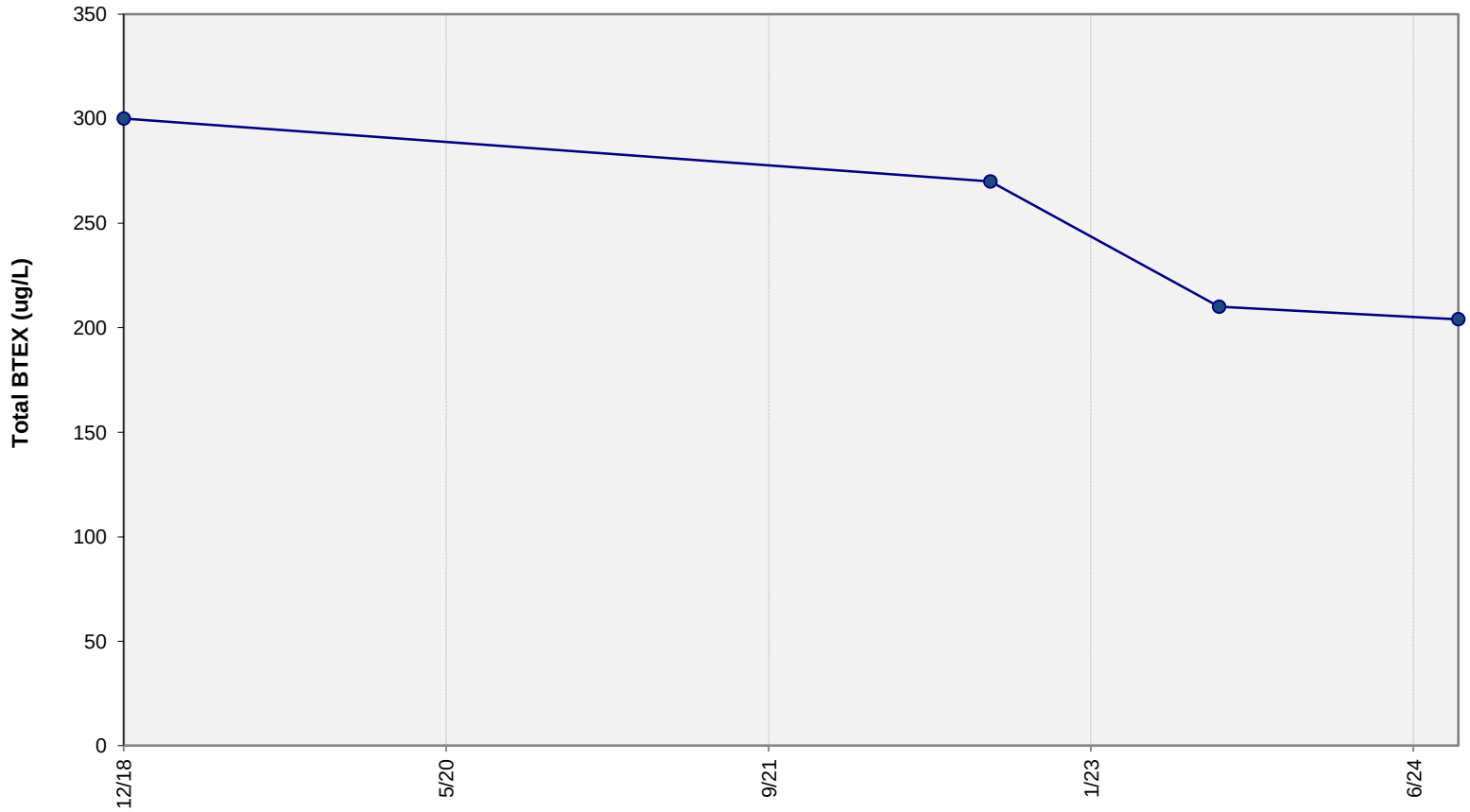
p value = 0.105 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Toluene in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-79



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

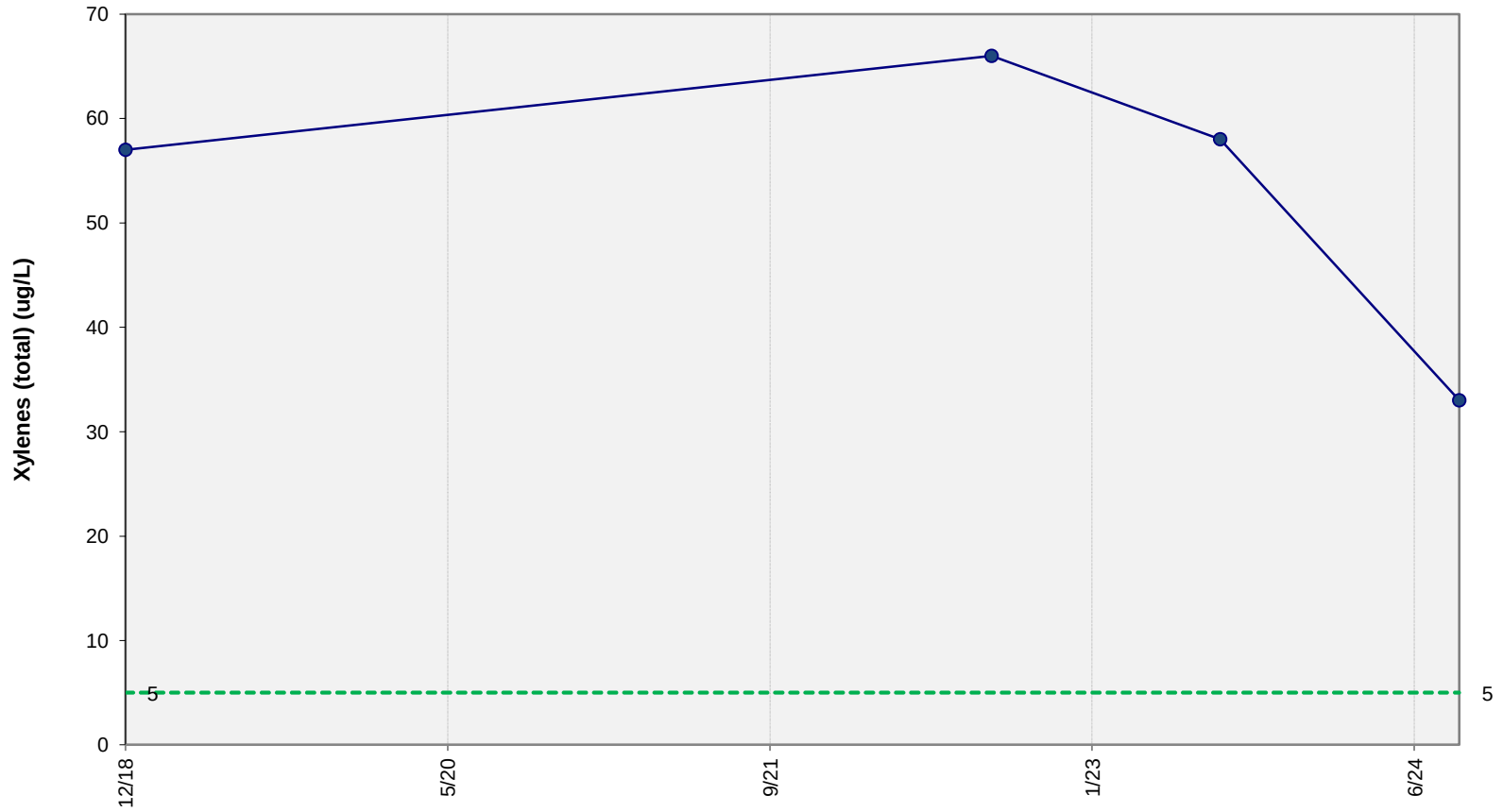
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-80



Results of Mann-Kendall Test for Trend: **No Significant Trend**

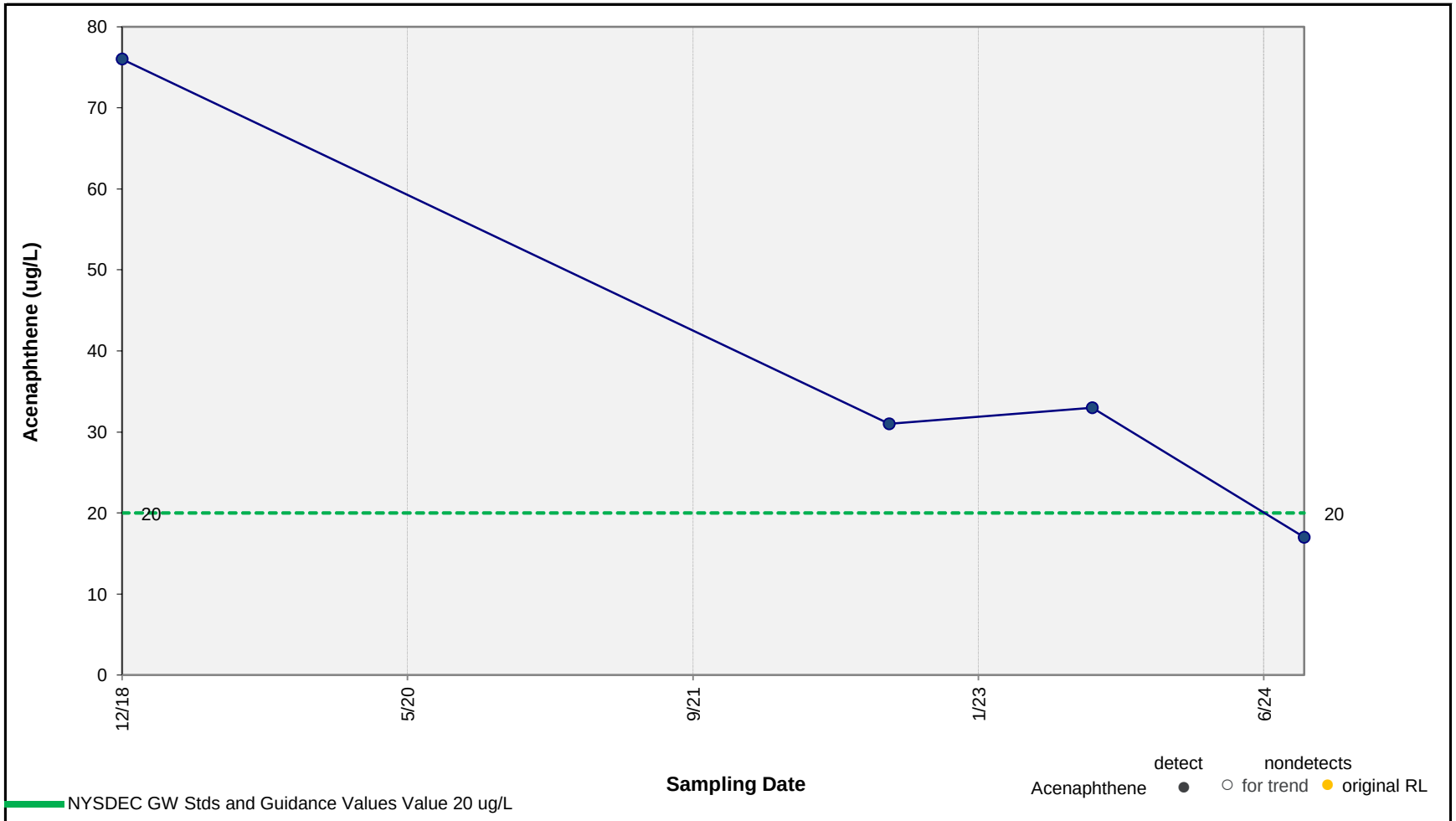
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well MW-1805

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-81



Results of Mann-Kendall Test for Trend: **No Significant Trend**

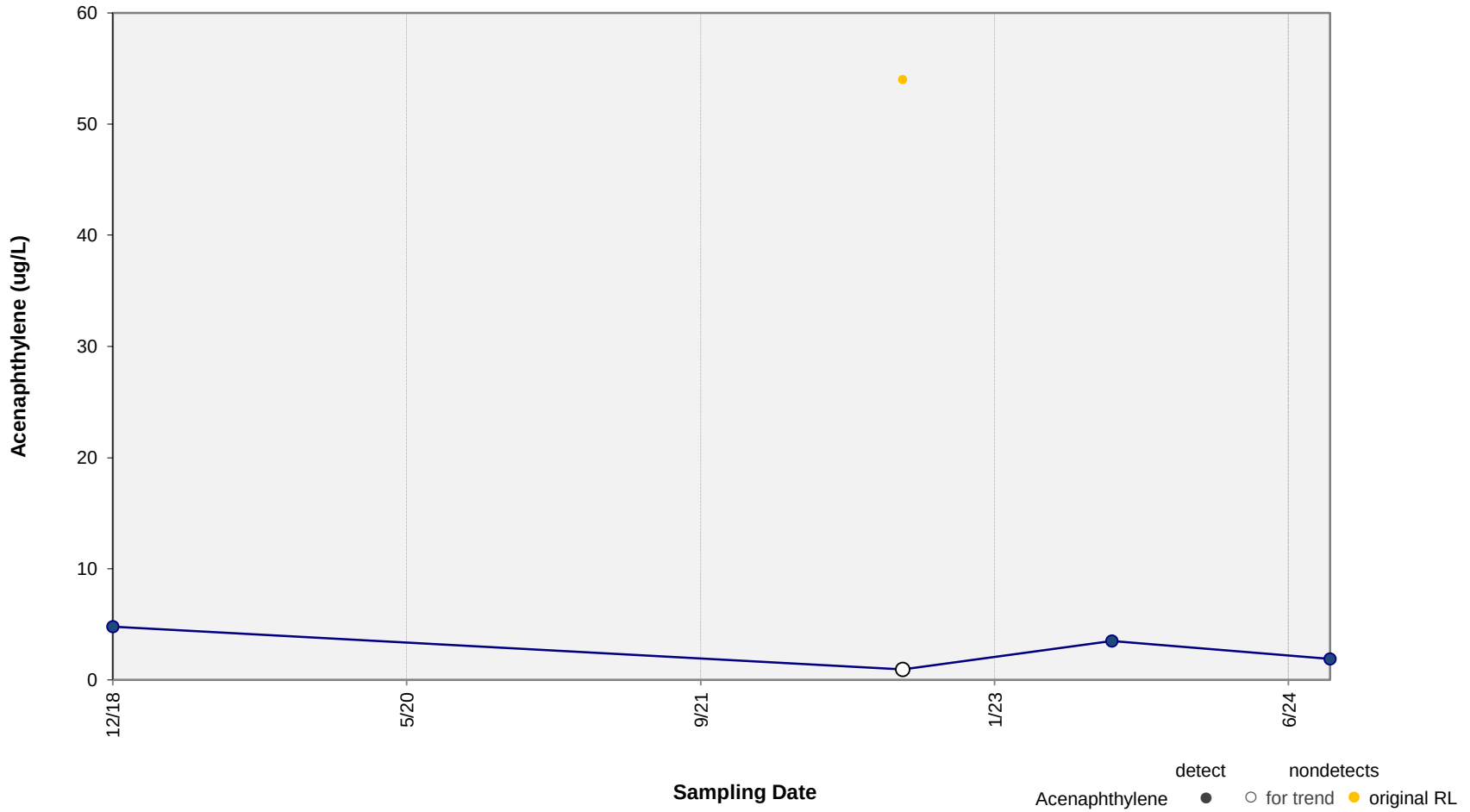
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-82



Results of Mann-Kendall Test for Trend: **No Significant Trend**

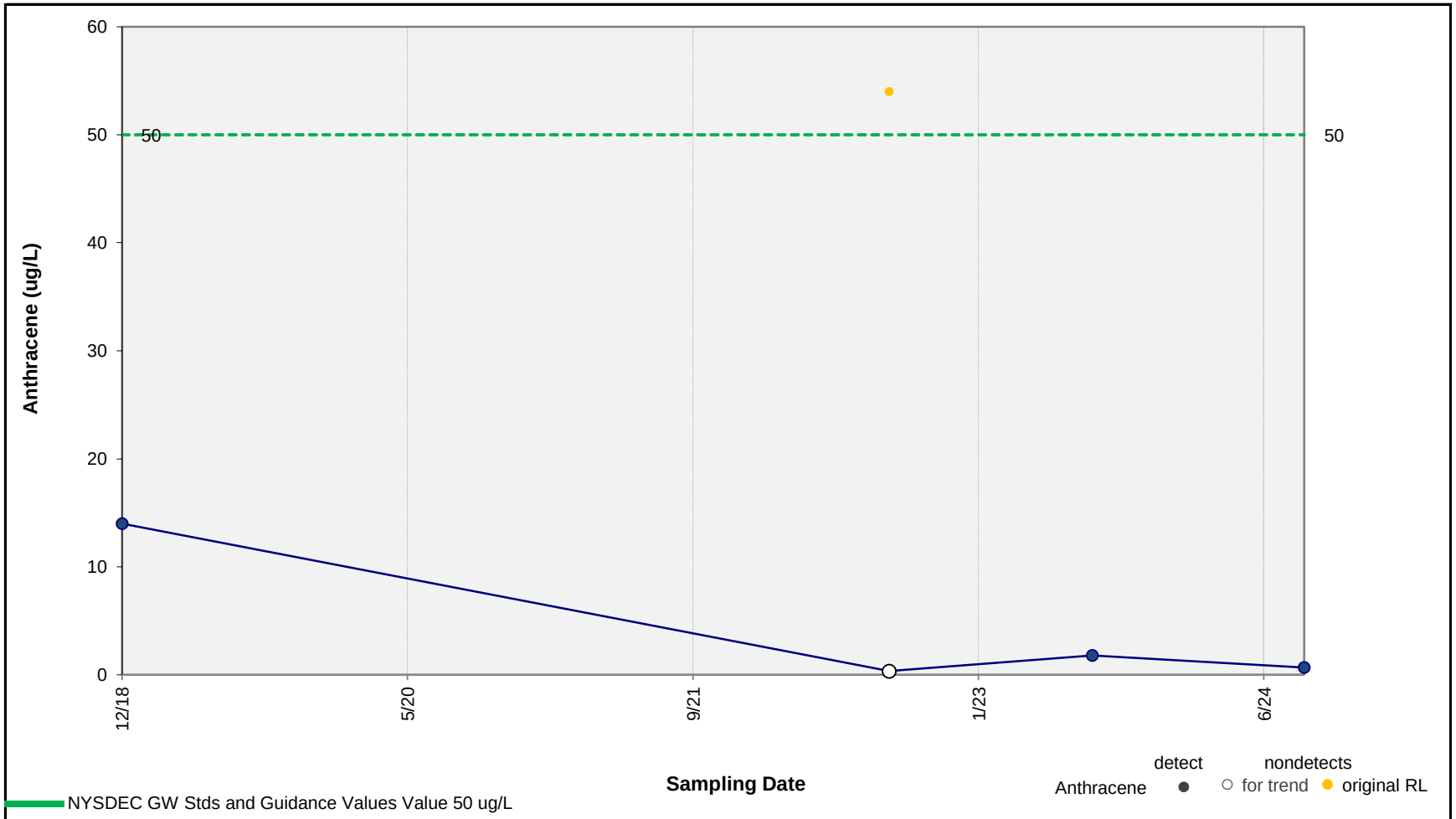
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthylene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-83



Results of Mann-Kendall Test for Trend: **No Significant Trend**

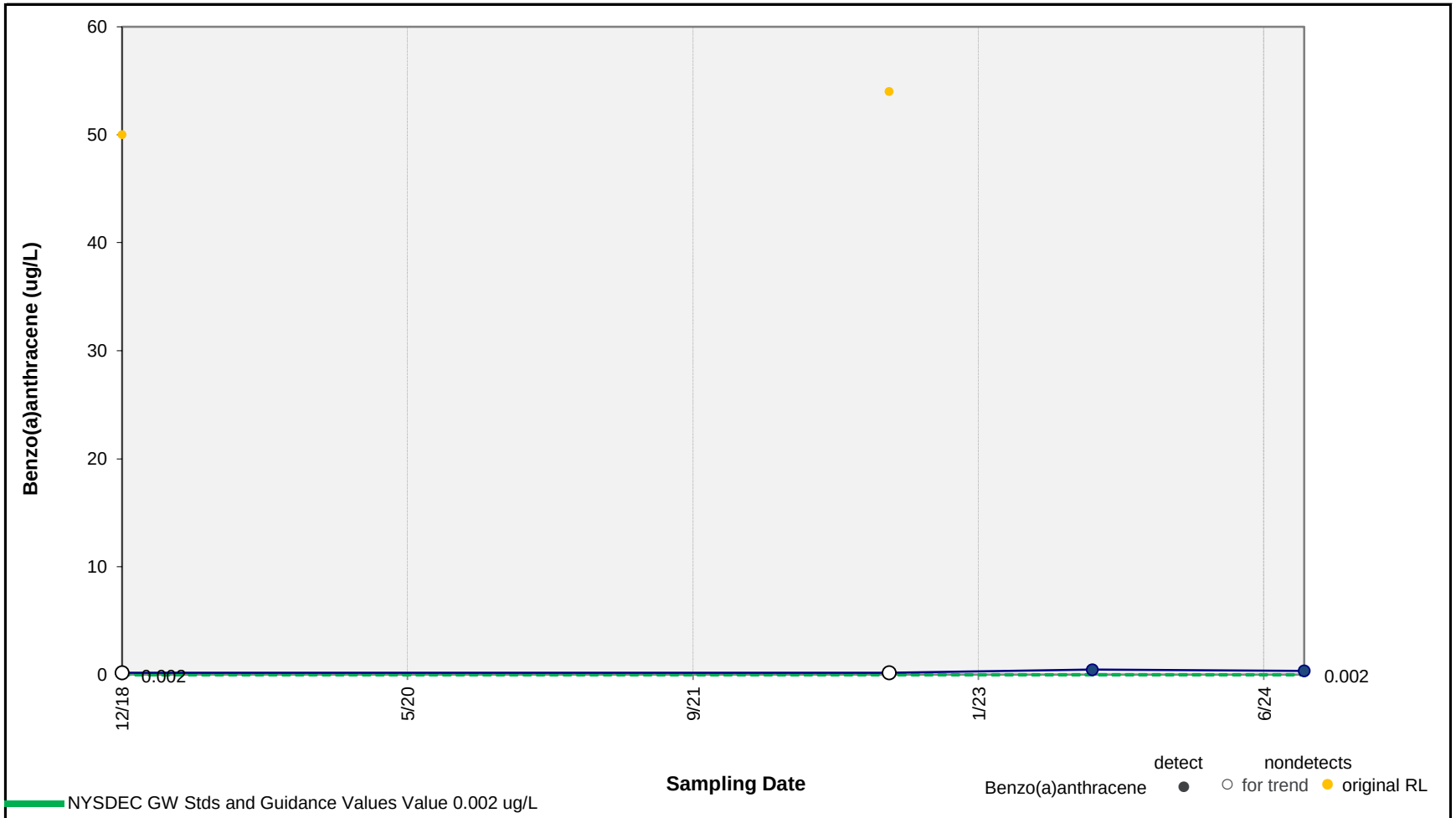
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Anthracene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-84



Results of Mann-Kendall Test for Trend: **No Significant Trend**

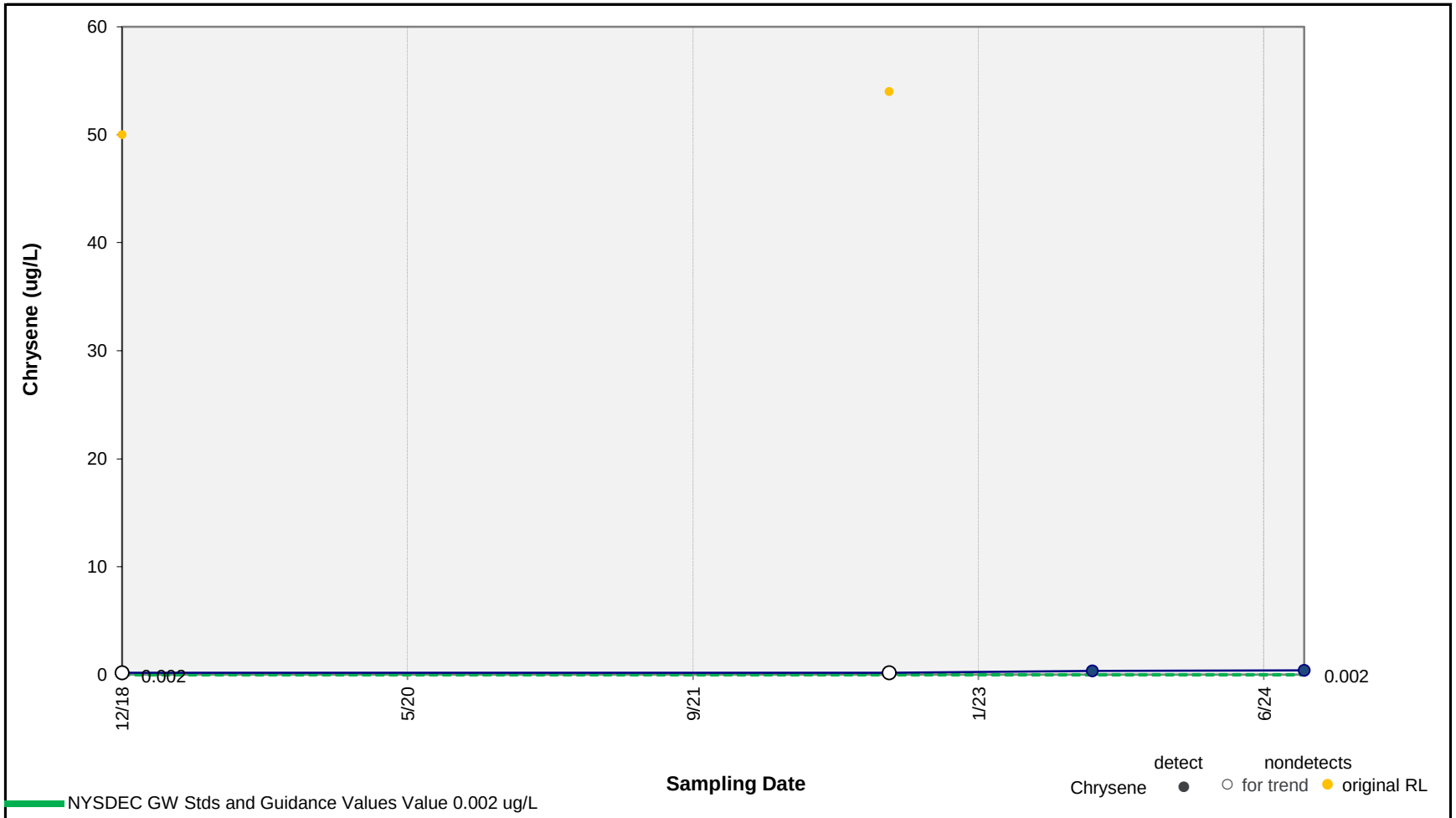
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(a)anthracene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-85



Results of Mann-Kendall Test for Trend: **No Significant Trend**

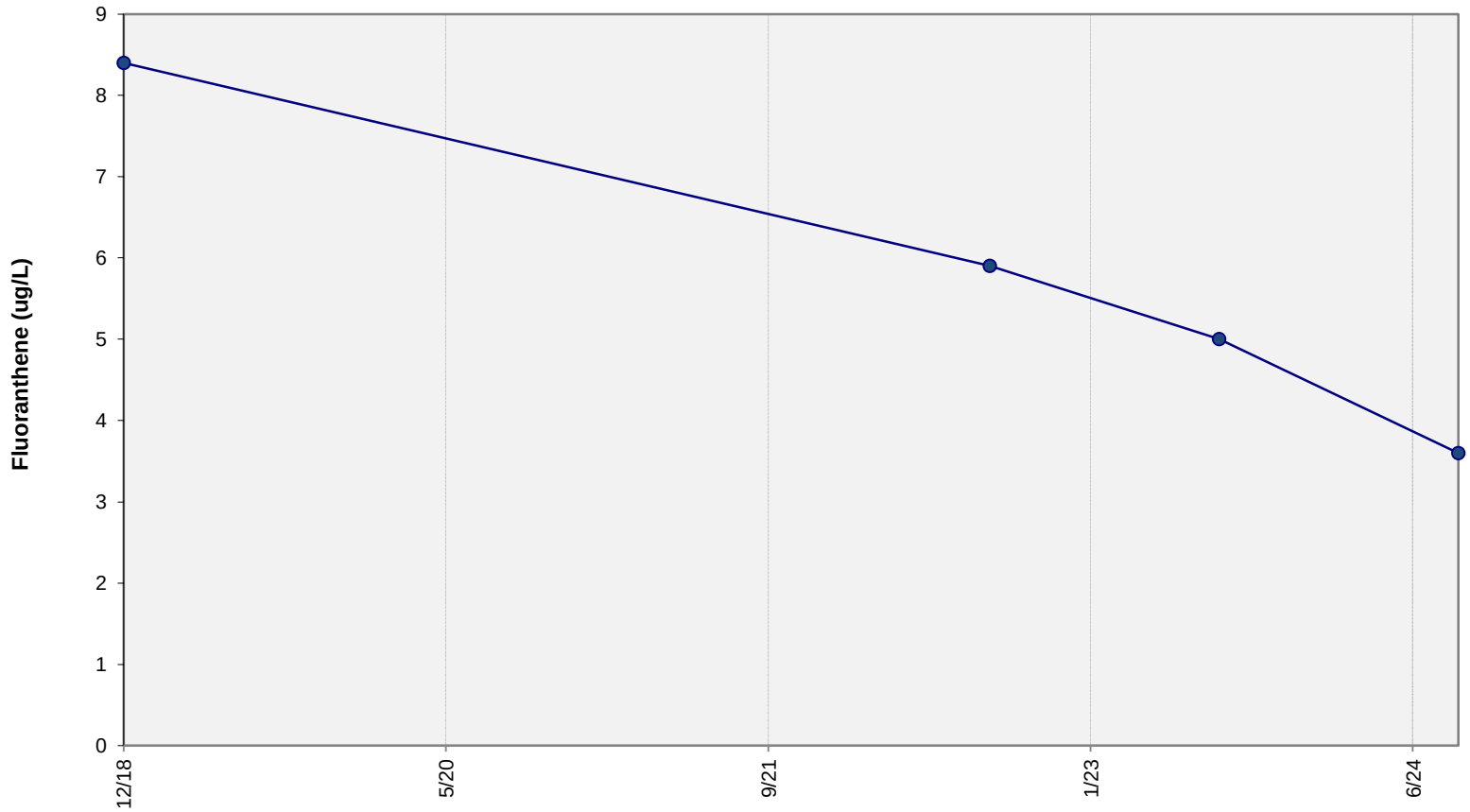
p value = 0.105 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Chrysene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-86



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

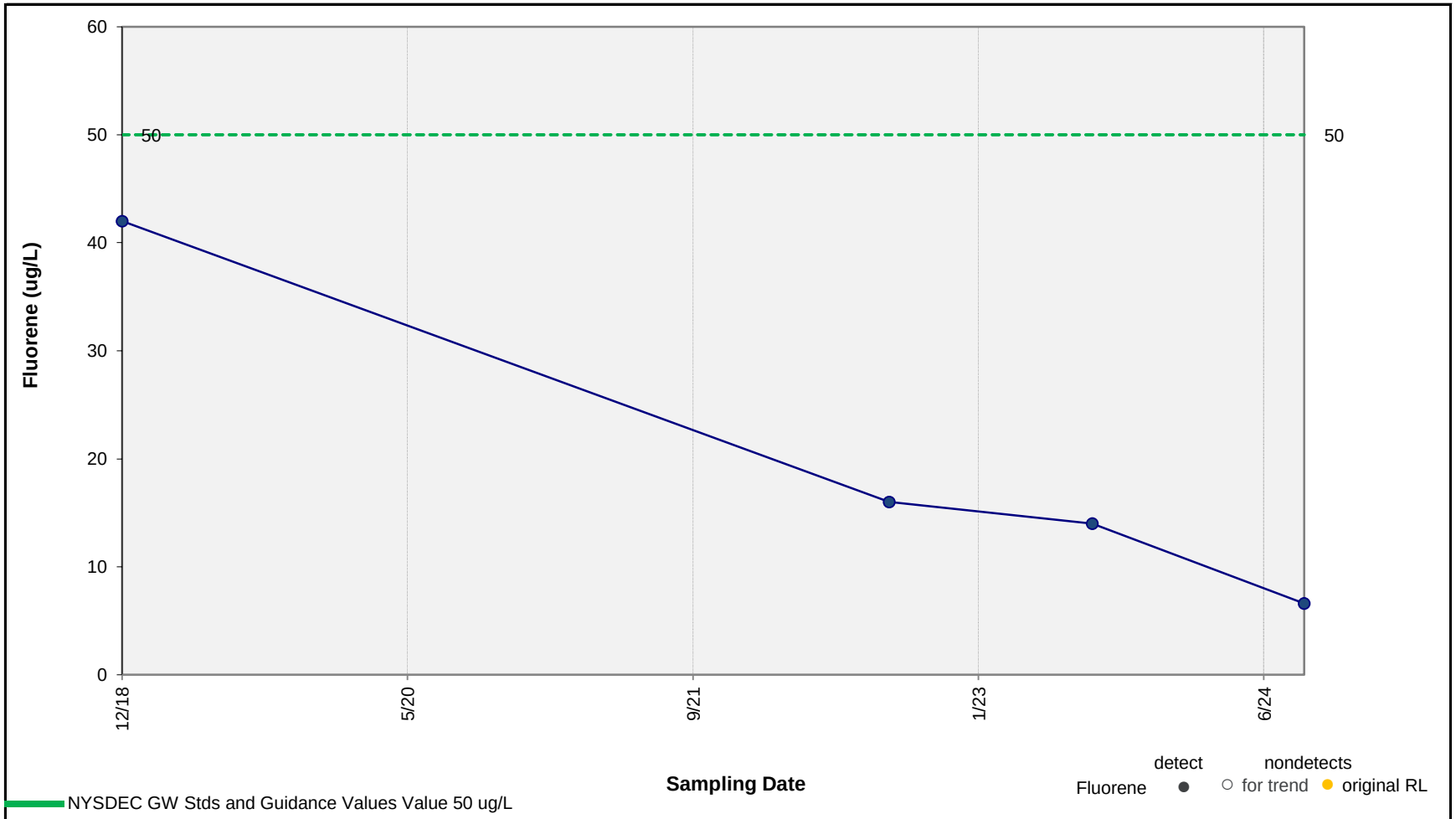
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-87



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

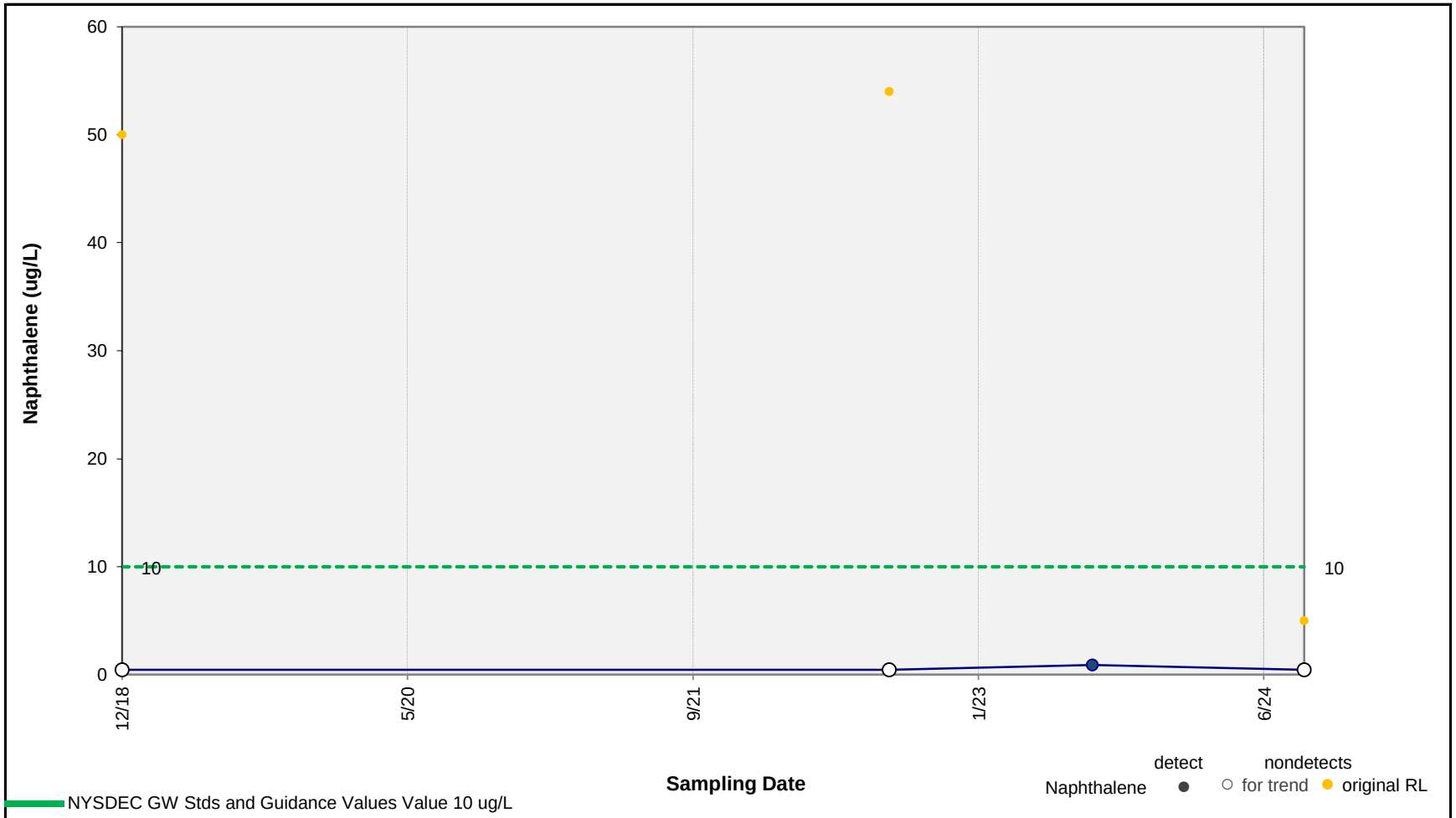
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluorene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-88



Results of Mann-Kendall Test for Trend: **No Significant Trend**

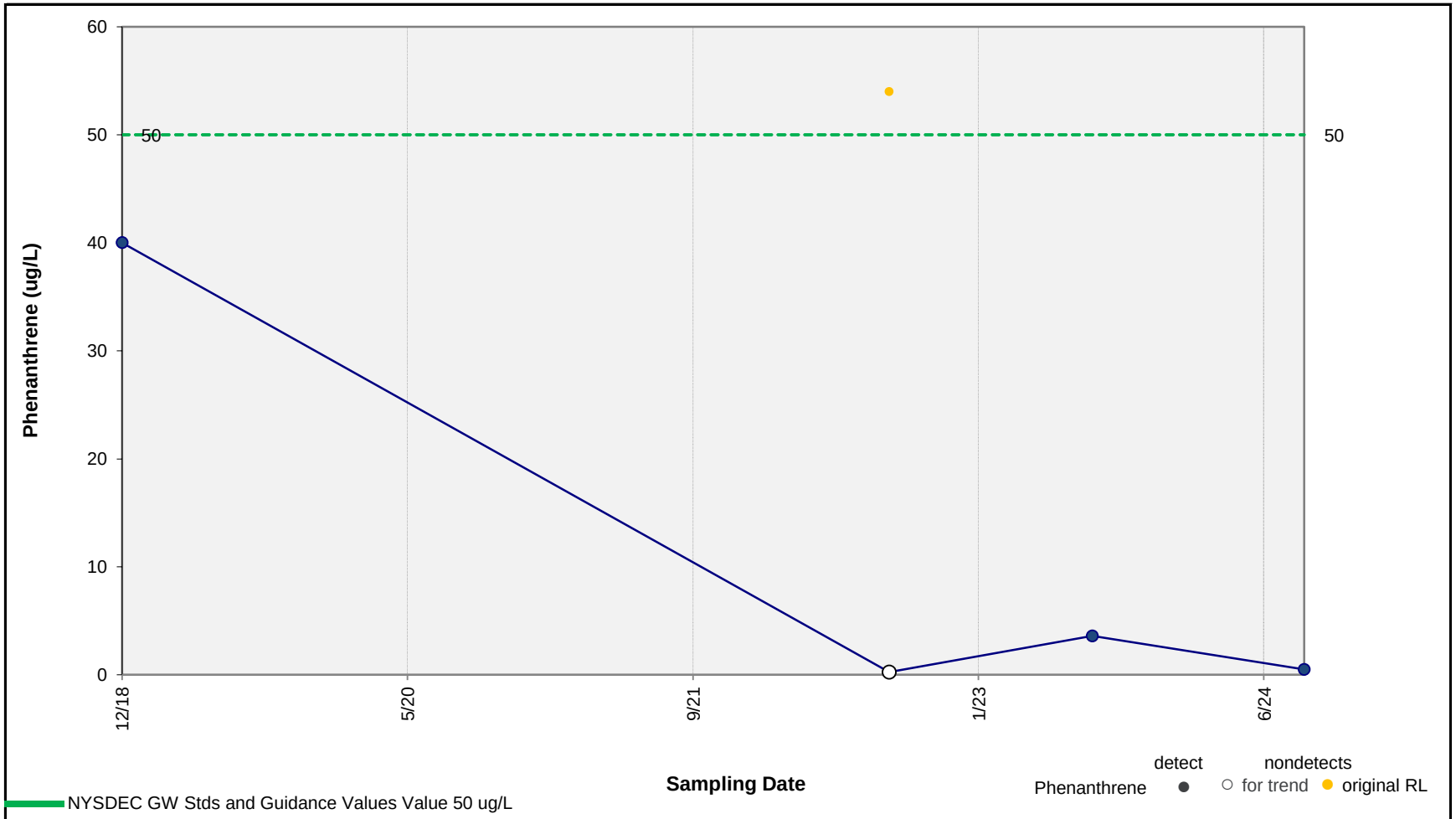
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Naphthalene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-89



Results of Mann-Kendall Test for Trend: **No Significant Trend**

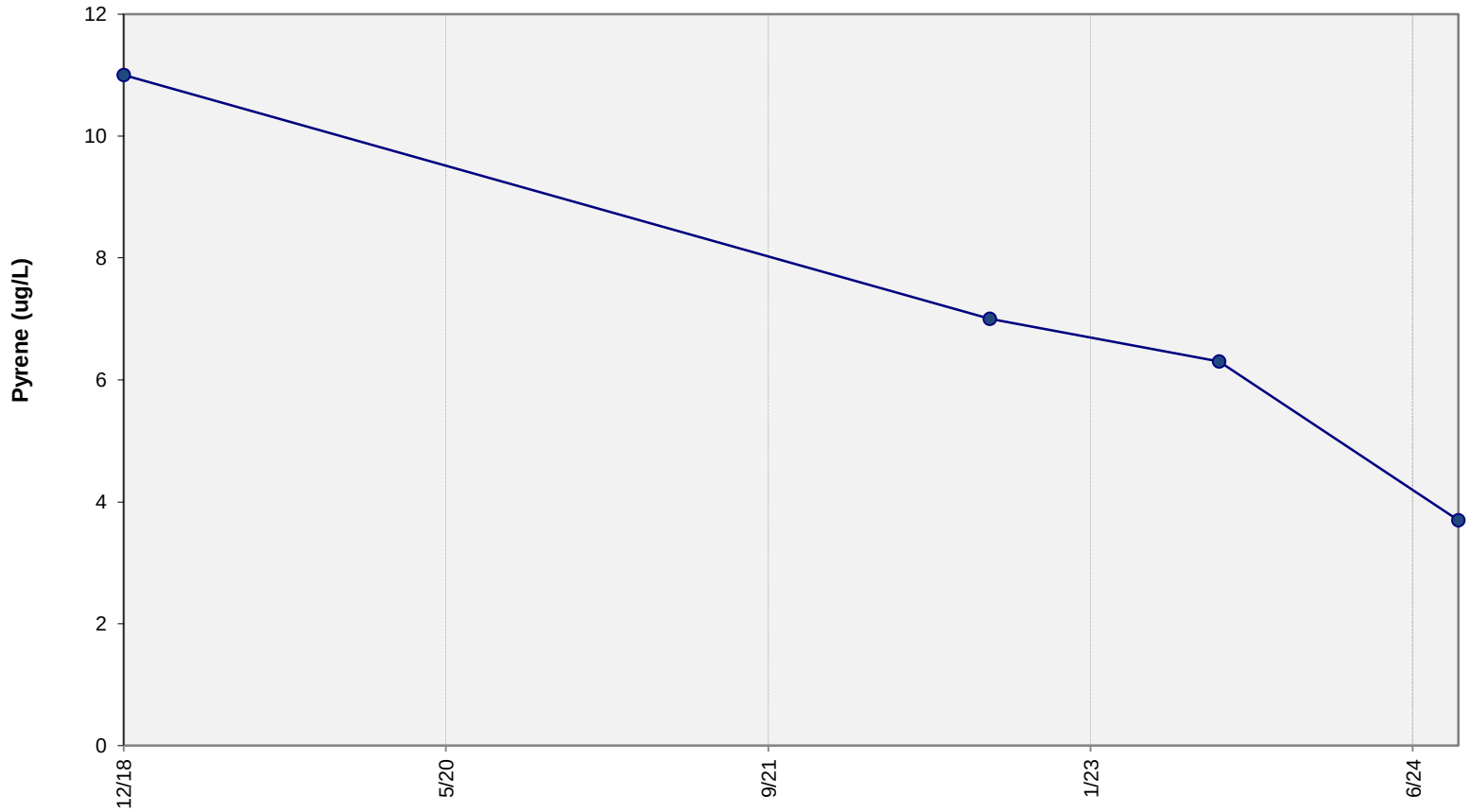
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-90



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

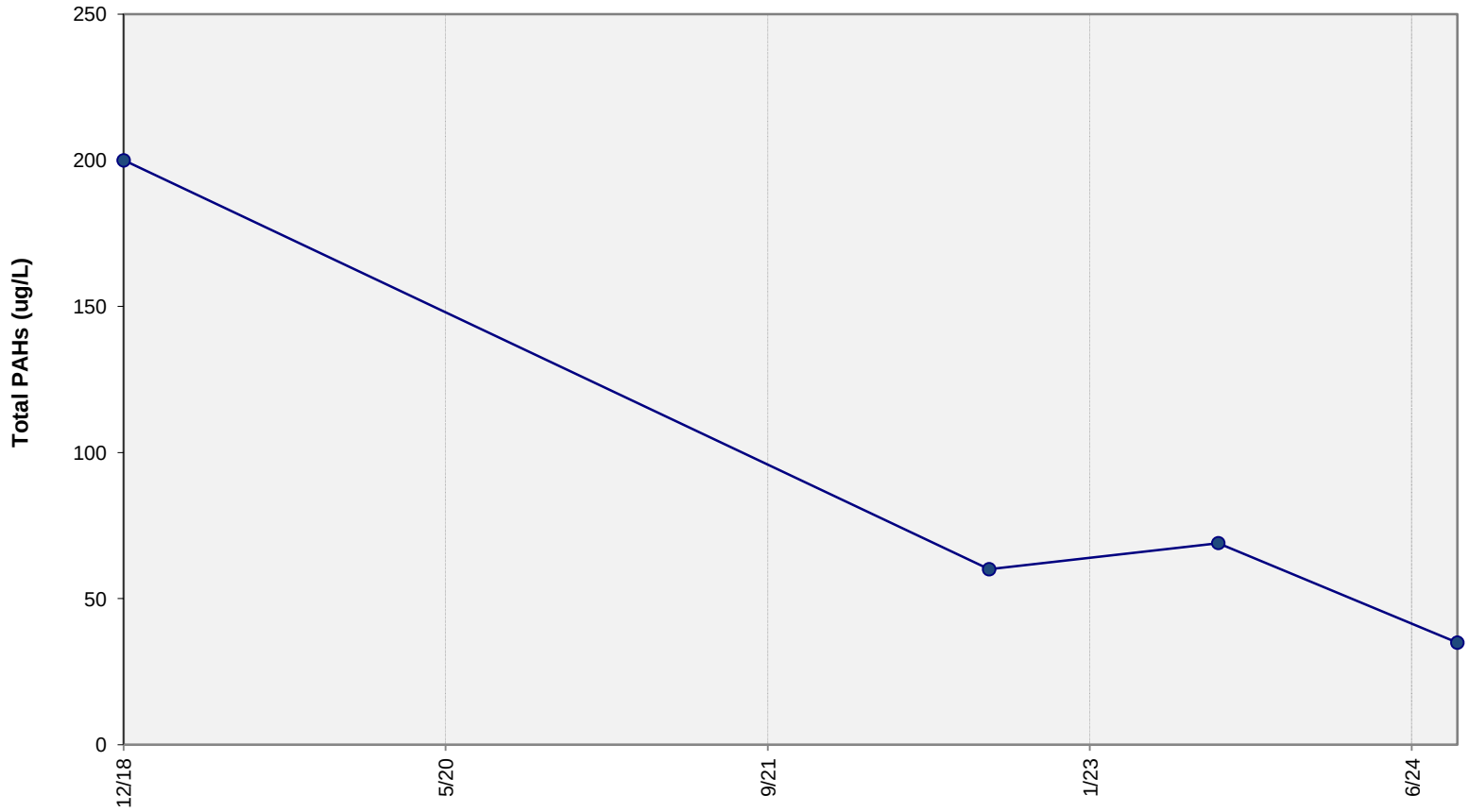
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-91



Results of Mann-Kendall Test for Trend: **No Significant Trend**

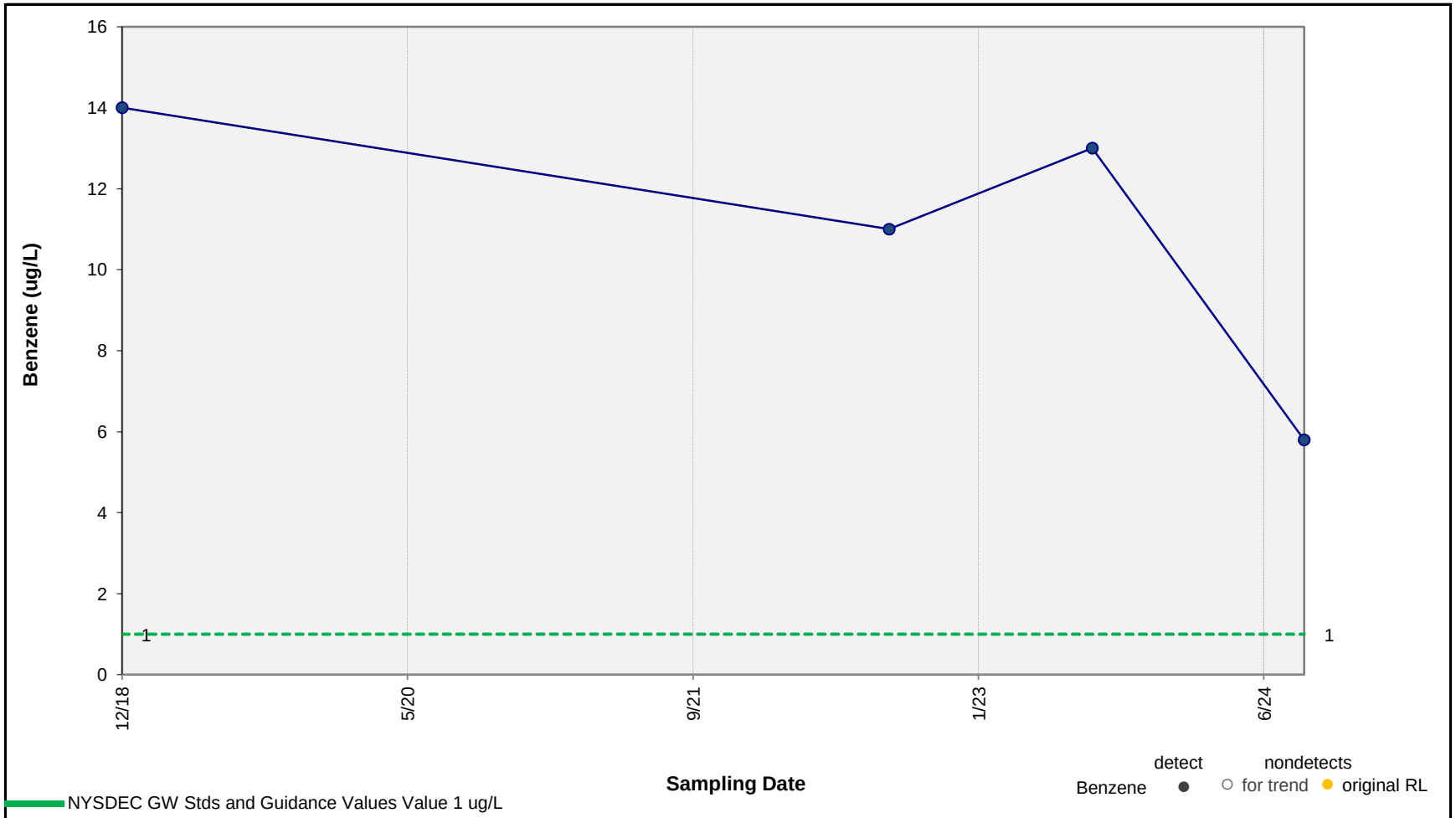
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total PAHs in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-92



Results of Mann-Kendall Test for Trend: **No Significant Trend**

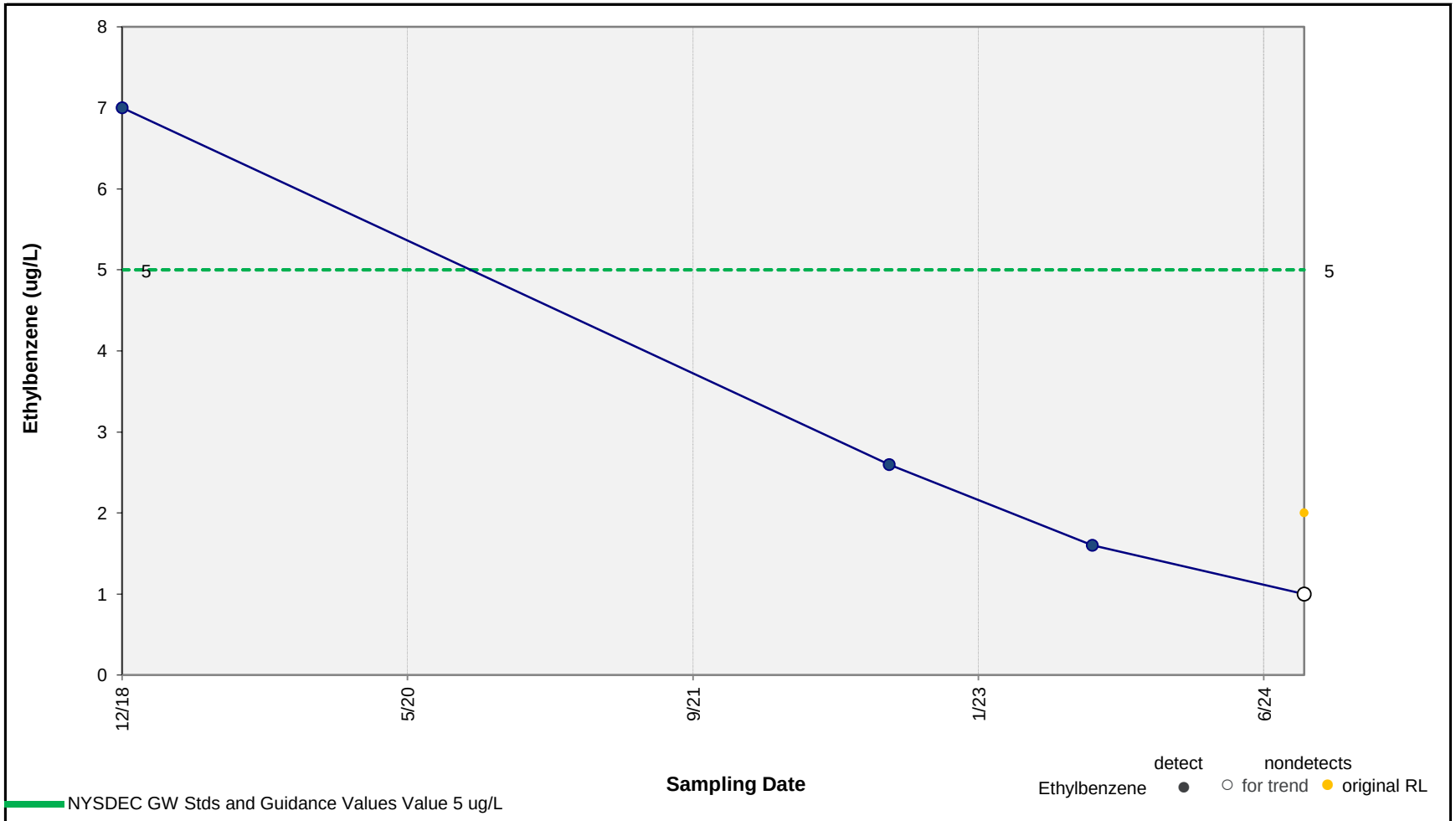
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-93



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

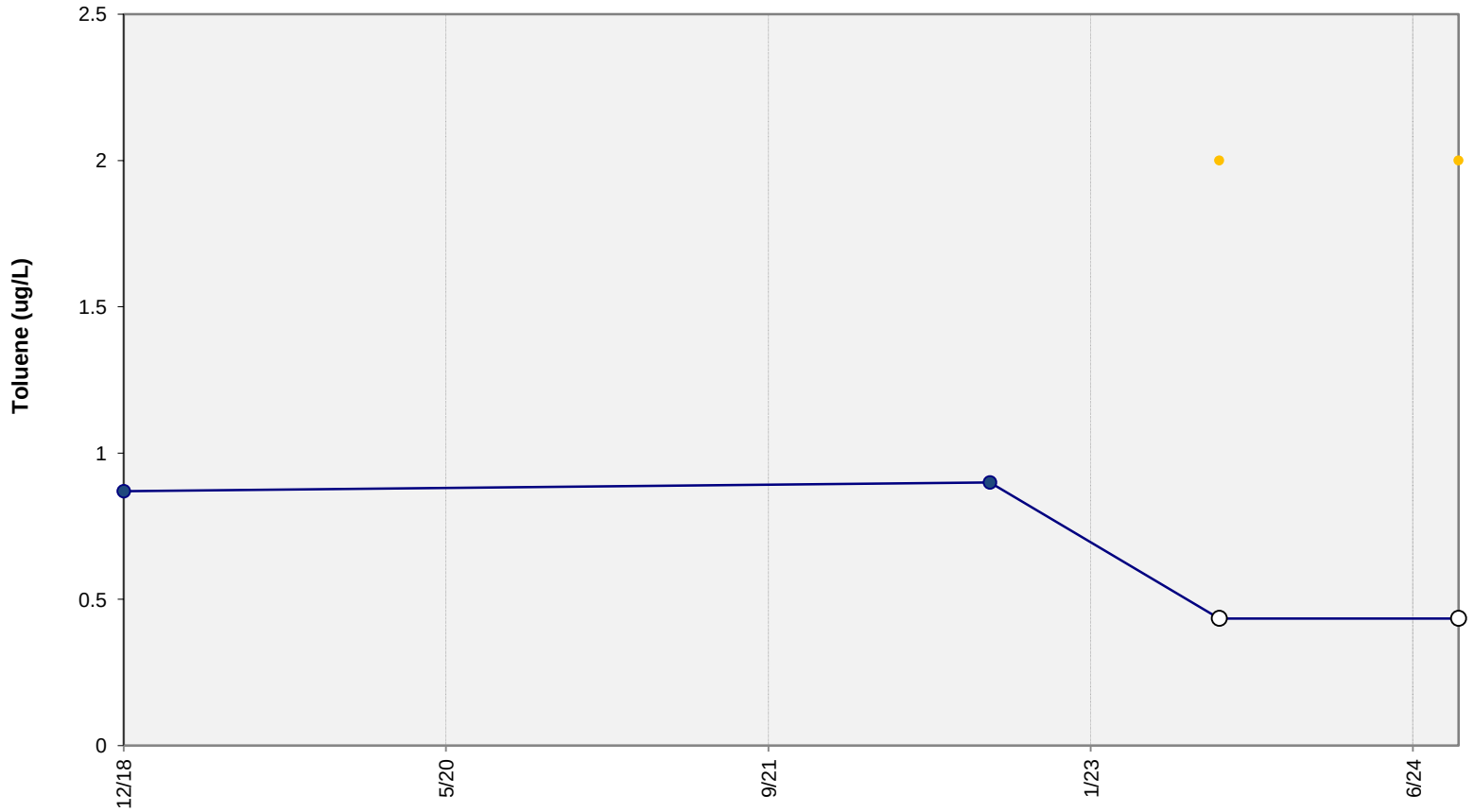
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-94



NYSDEC GW Stds and Guidance Values criteria value of 5 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

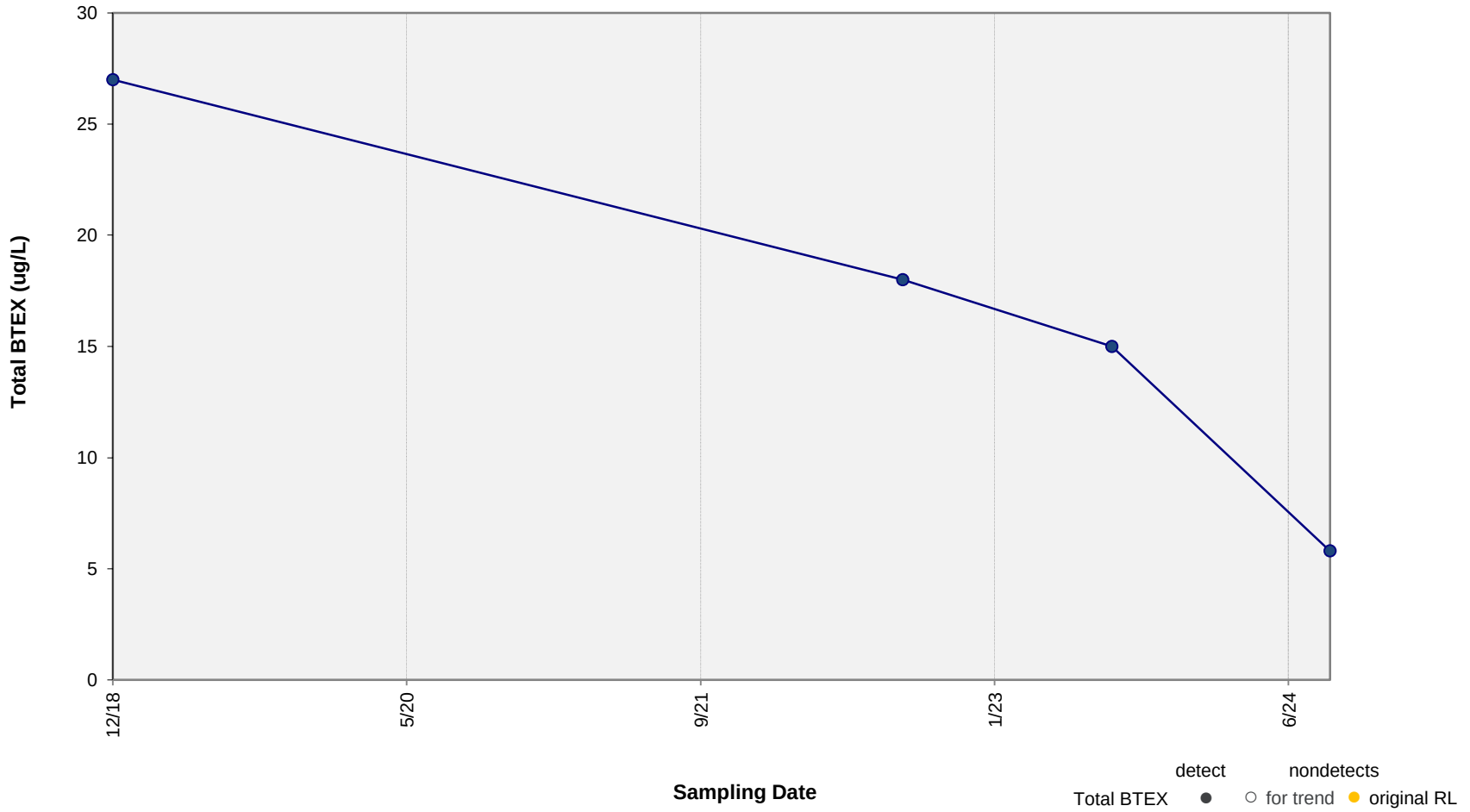
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Toluene in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-95



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

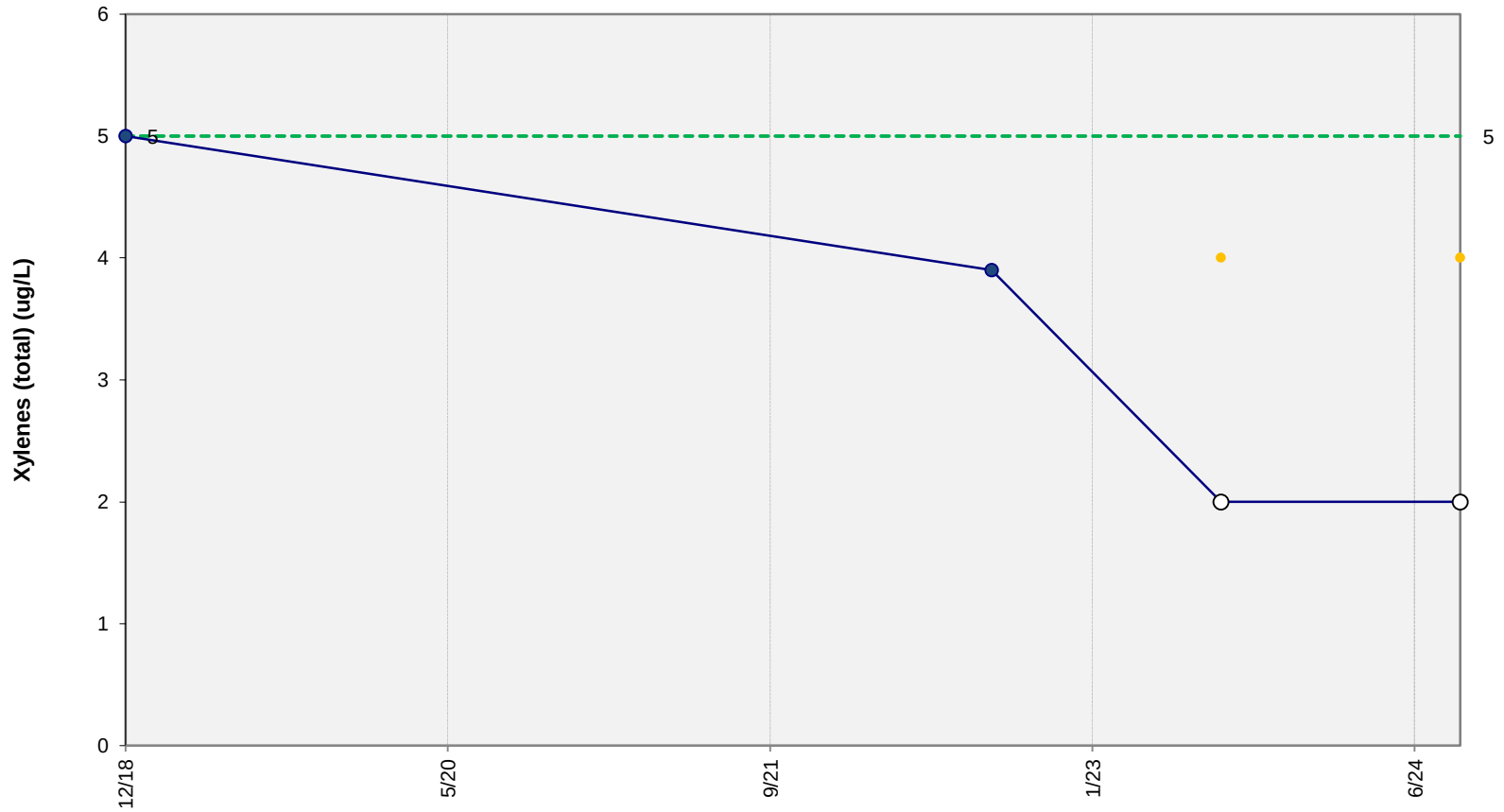
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-96



Results of Mann-Kendall Test for Trend: **No Significant Trend**

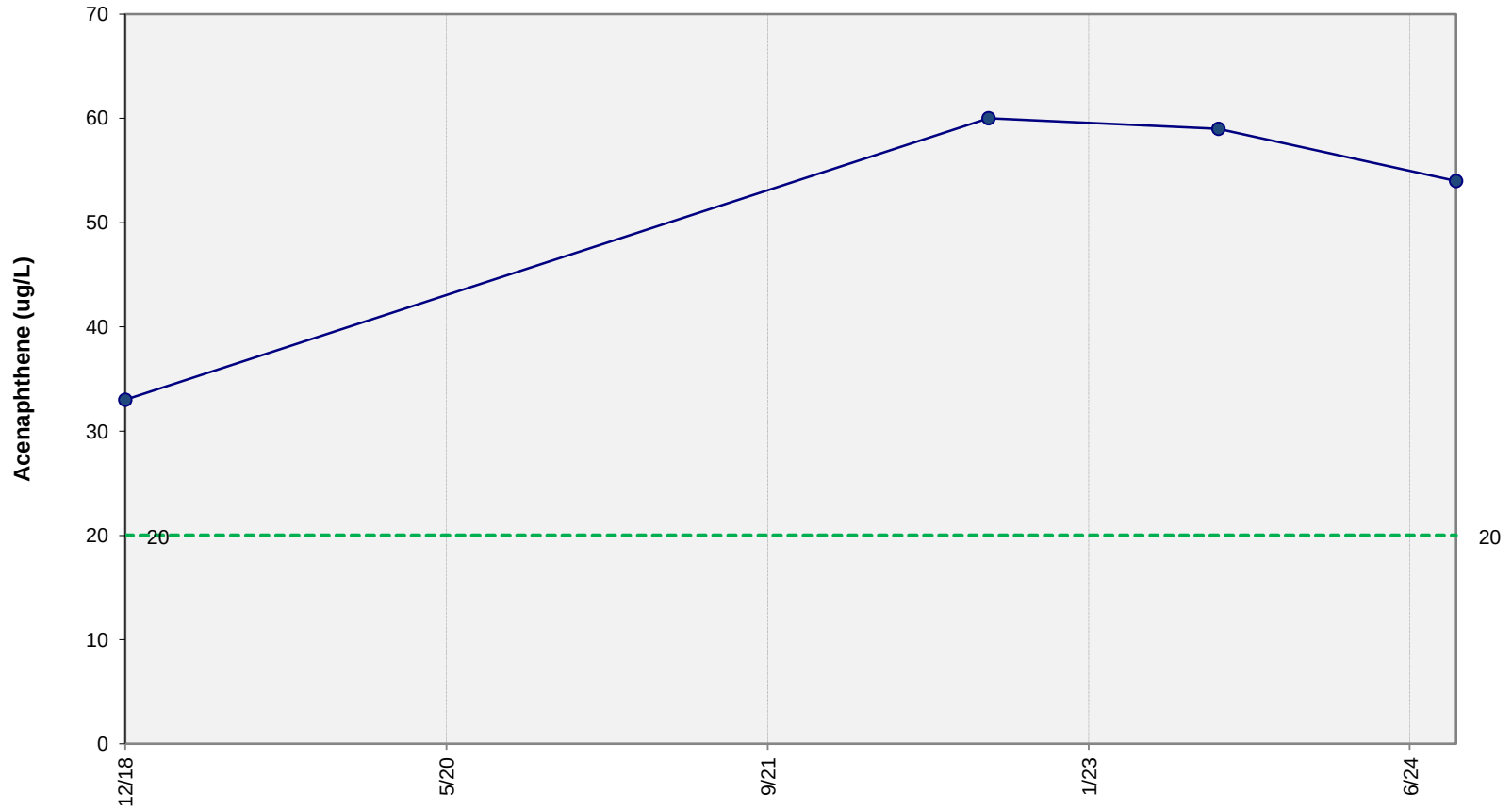
p value = 0.105 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well MW-1807

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-97



Results of Mann-Kendall Test for Trend: **No Significant Trend**

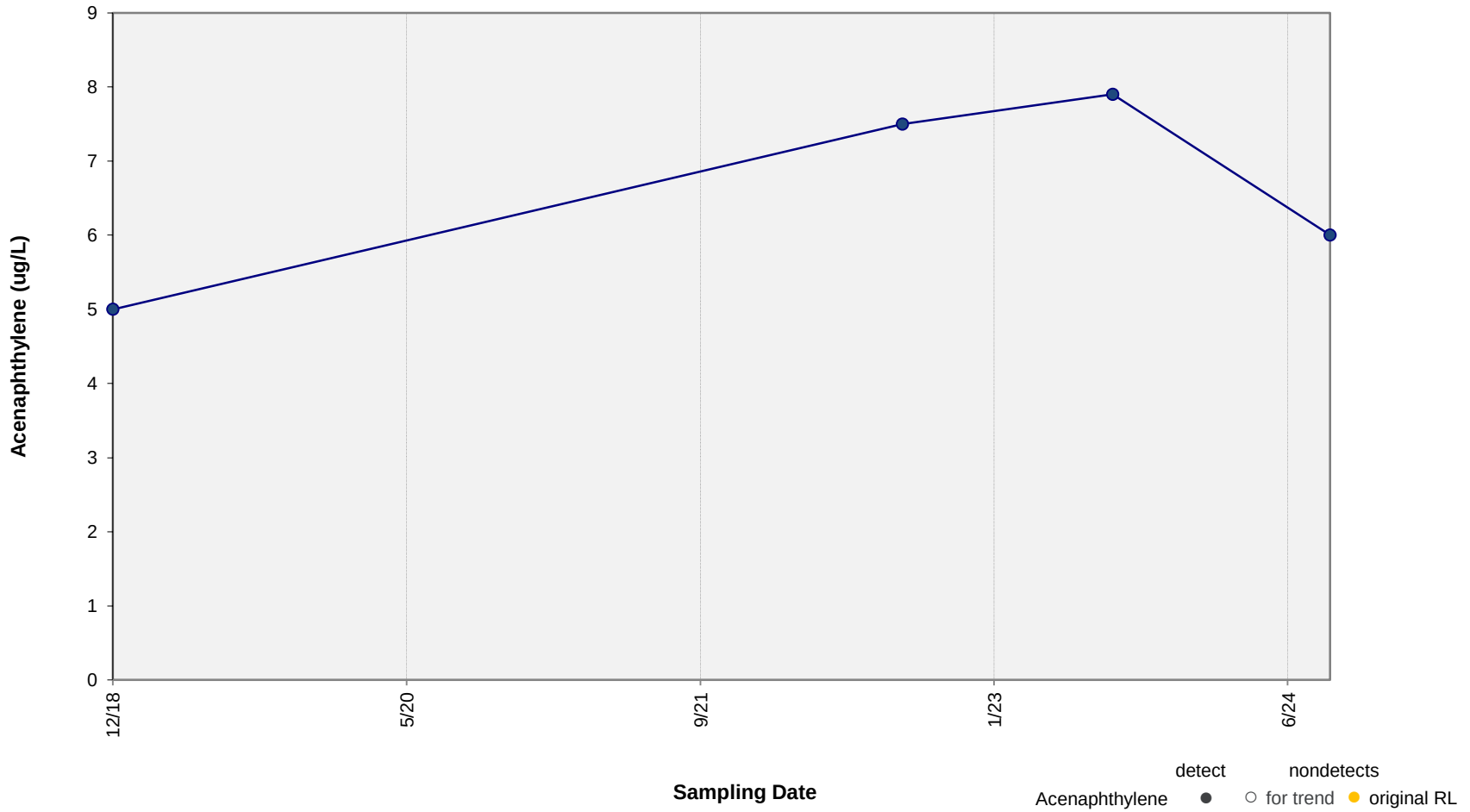
p value = 0.625 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-98



Results of Mann-Kendall Test for Trend: **No Significant Trend**

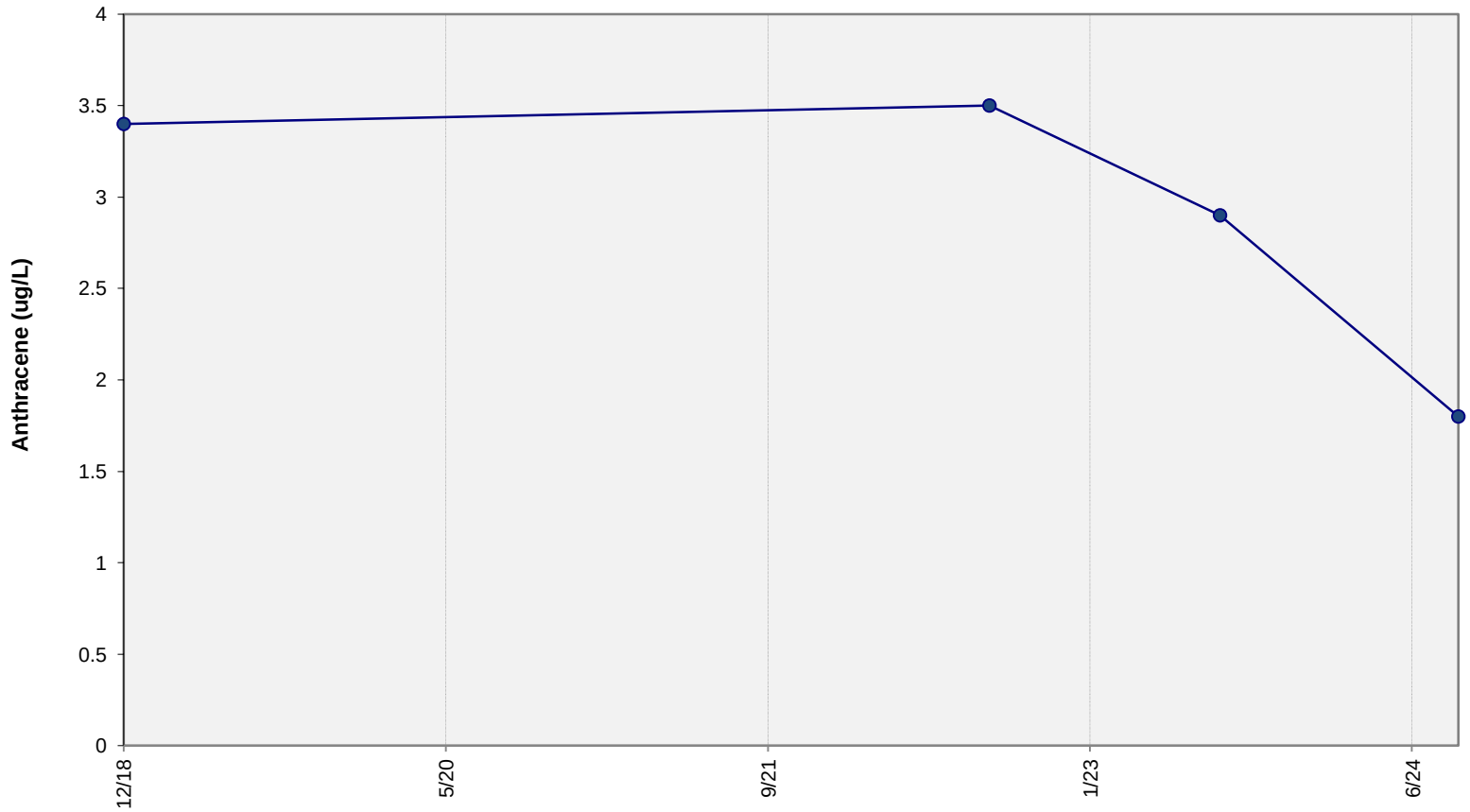
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthylene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-99



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

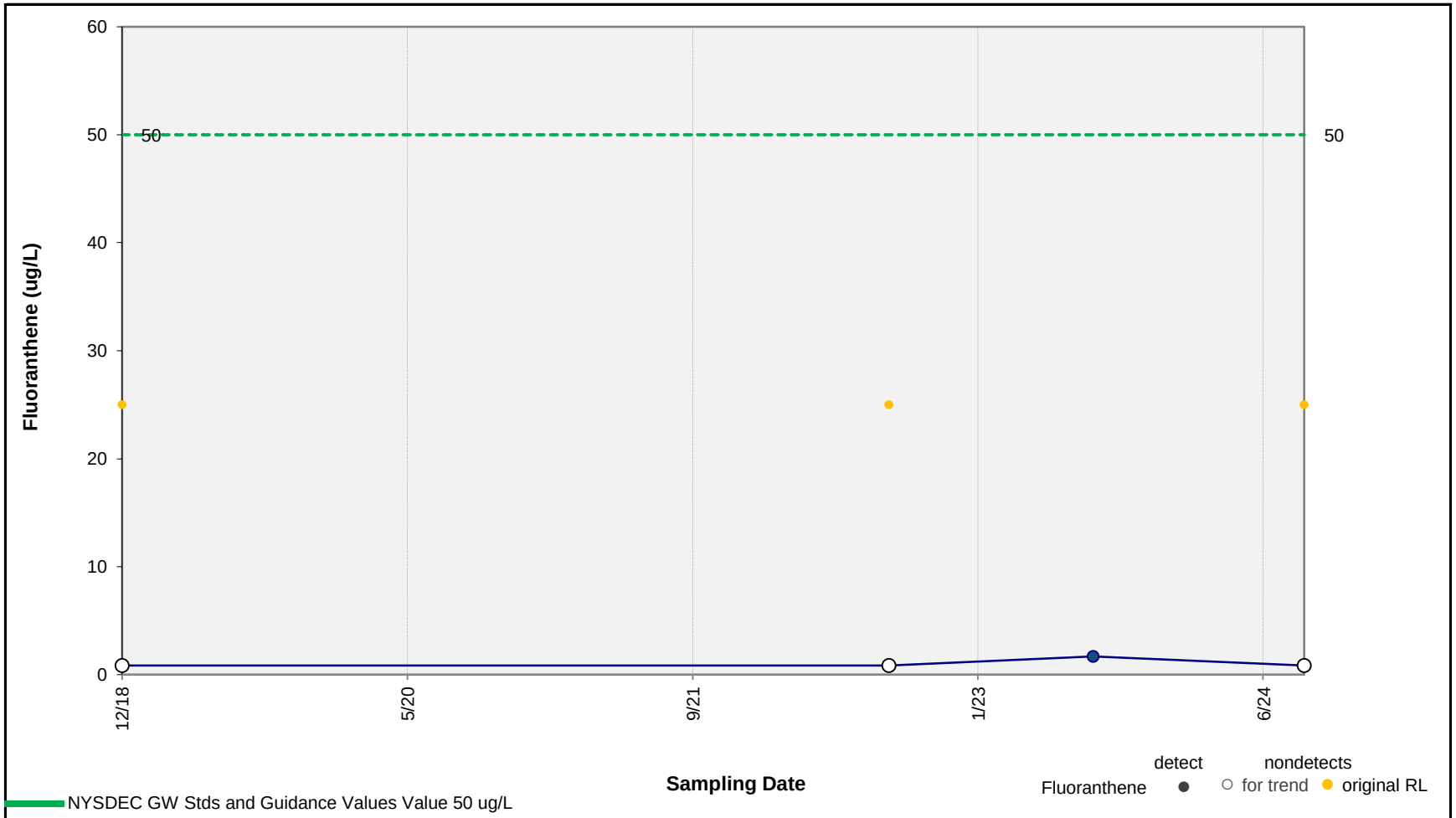
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Anthracene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-100



Results of Mann-Kendall Test for Trend: **No Significant Trend**

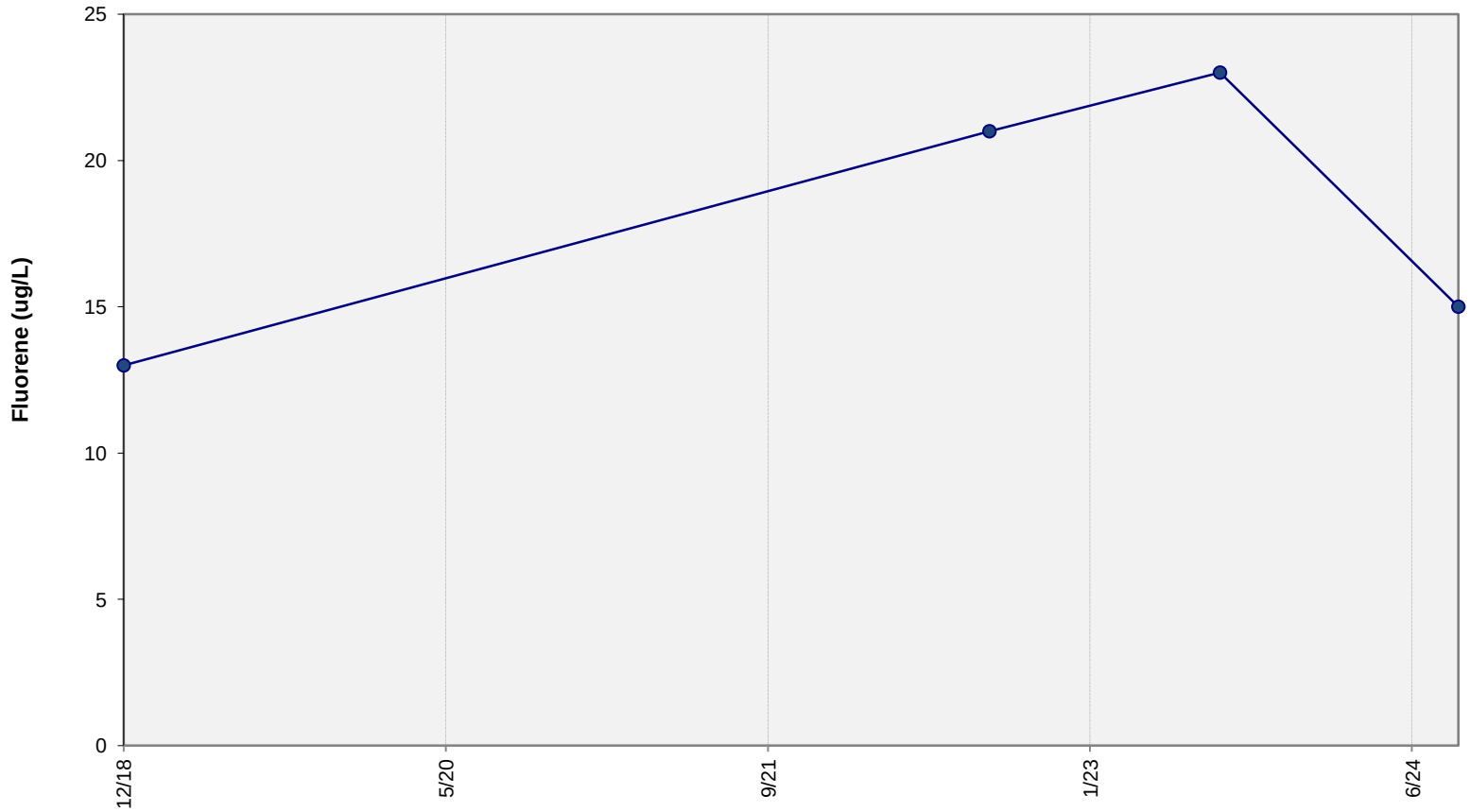
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-101



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

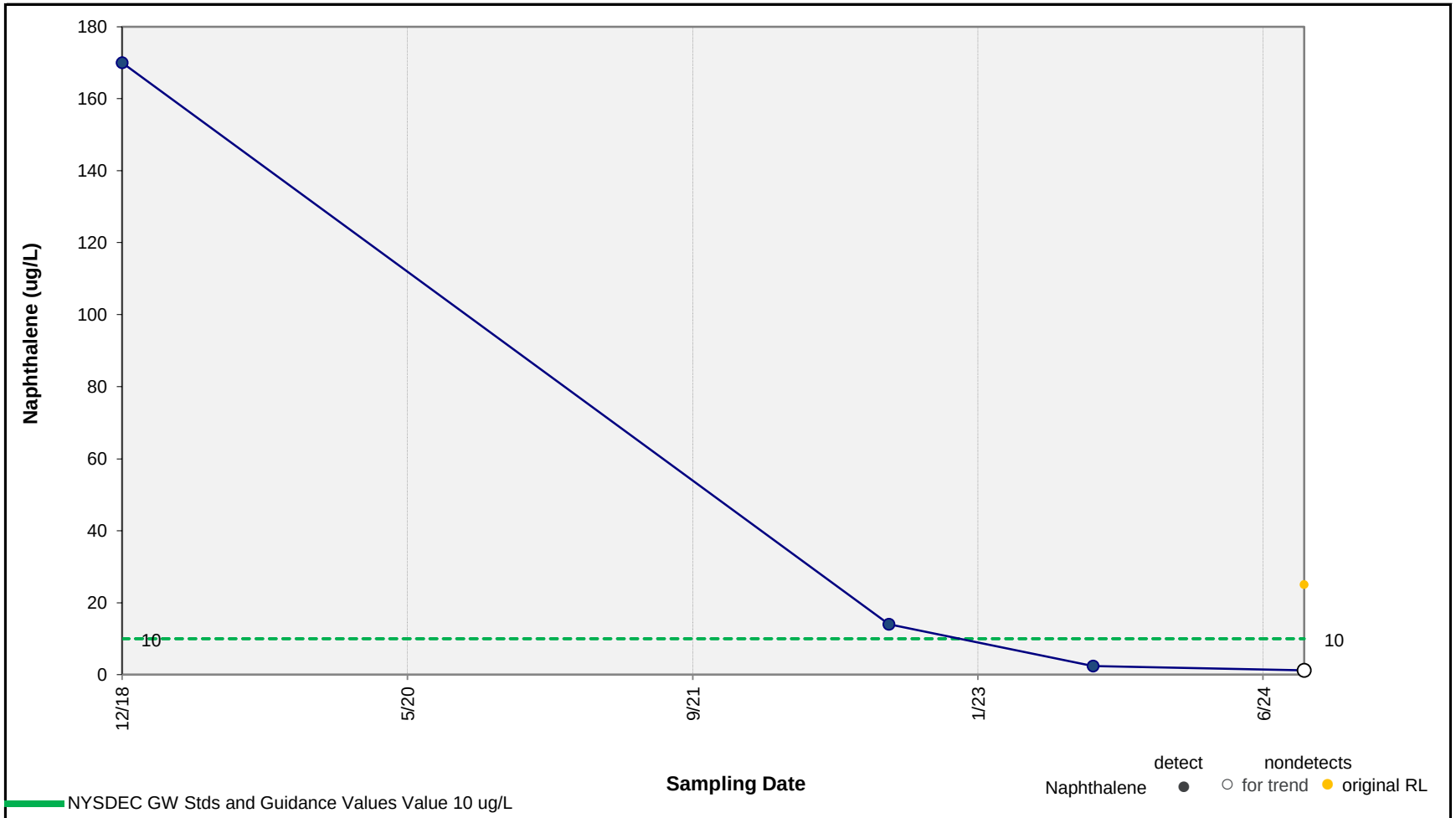
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluorene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-102



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

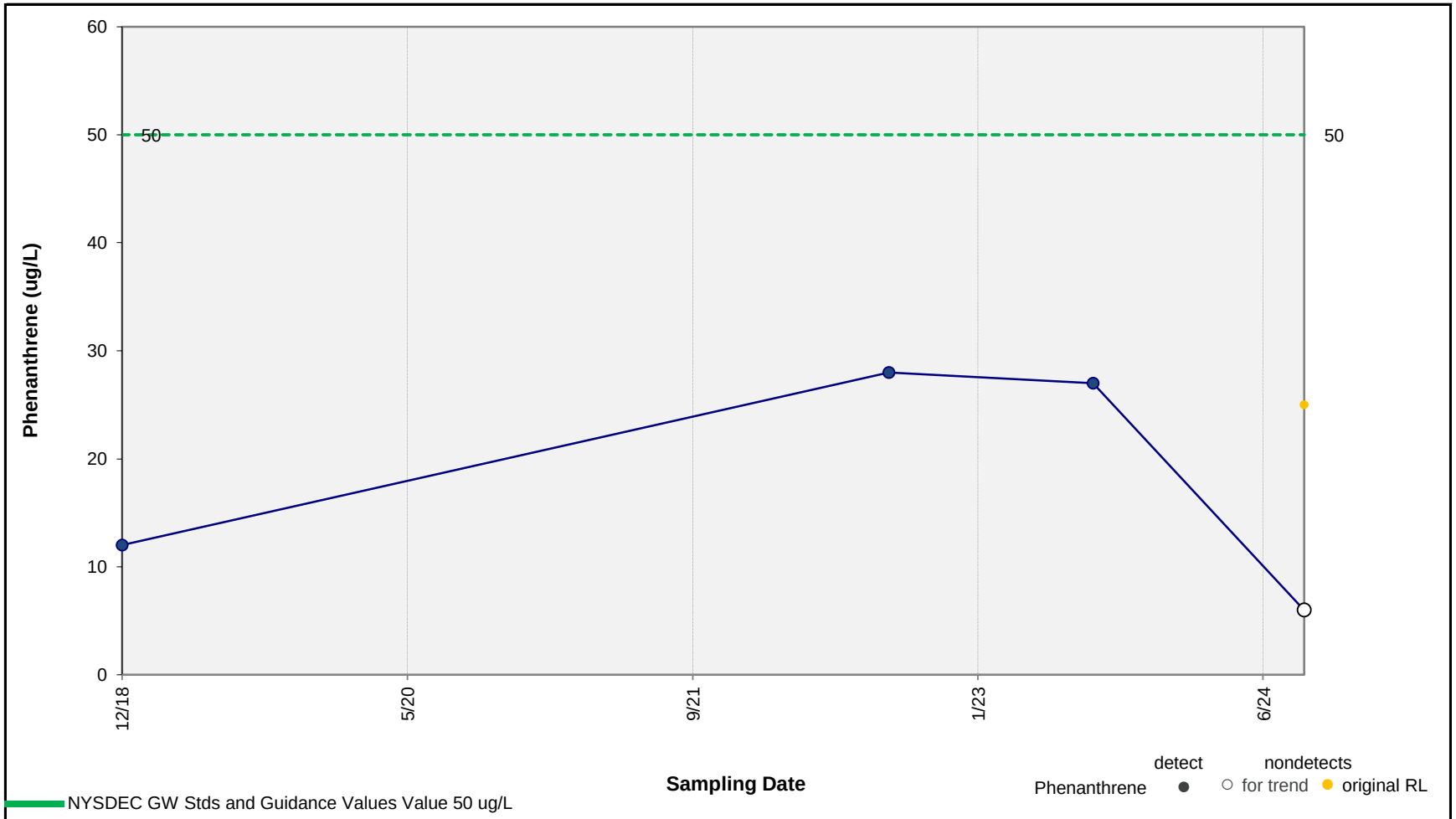
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Naphthalene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-103



Results of Mann-Kendall Test for Trend: **No Significant Trend**

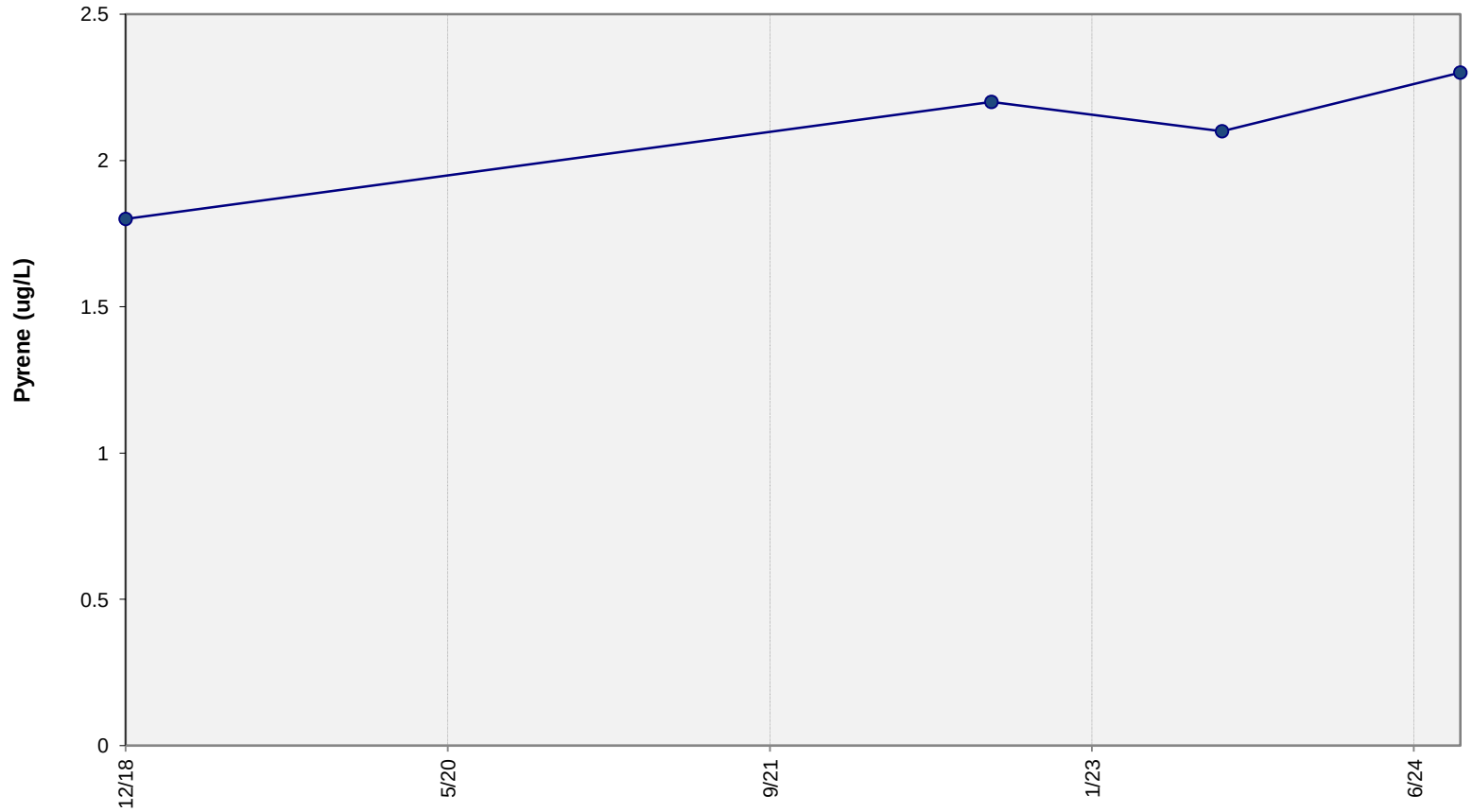
p value = 0.375 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-104



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

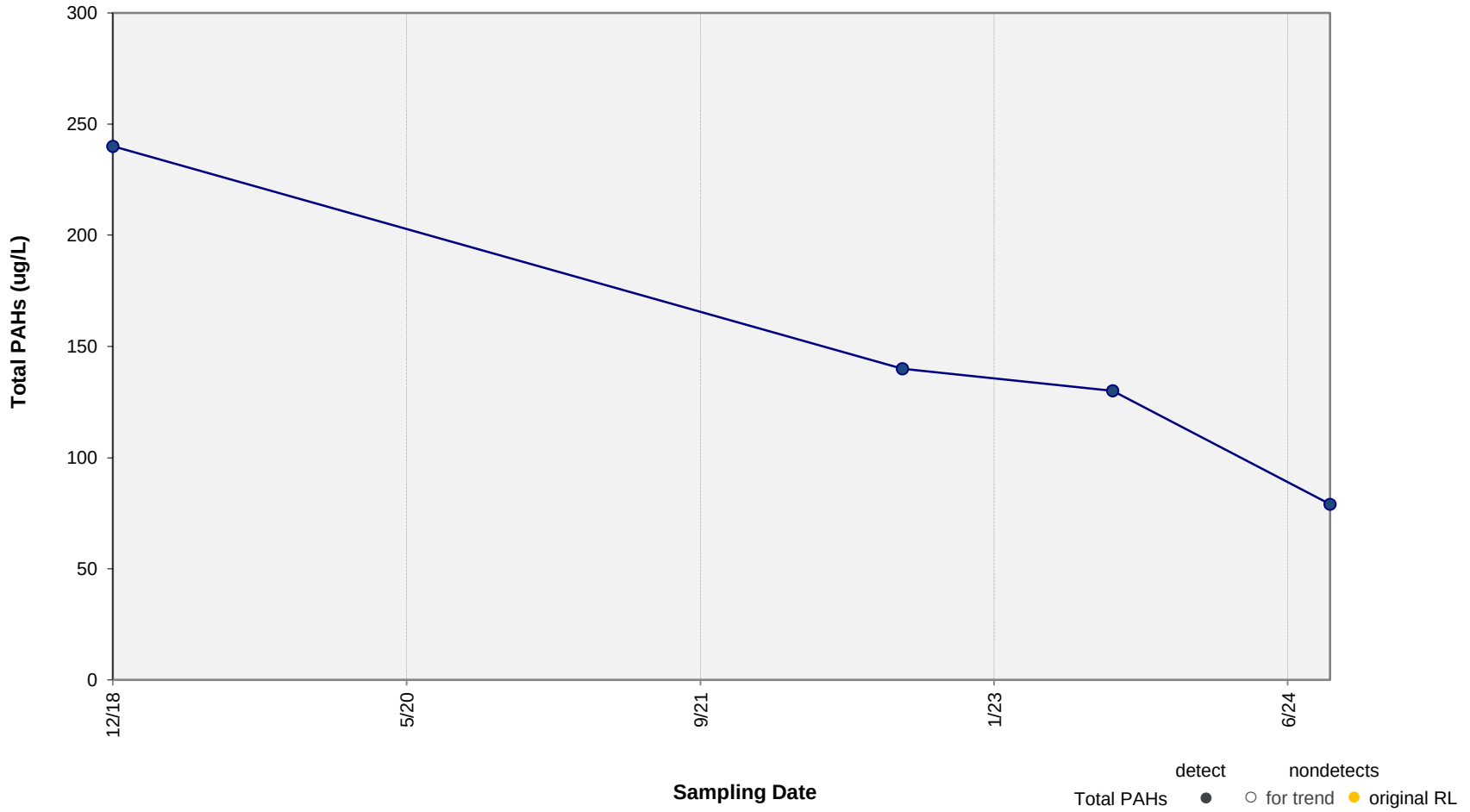
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-105



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

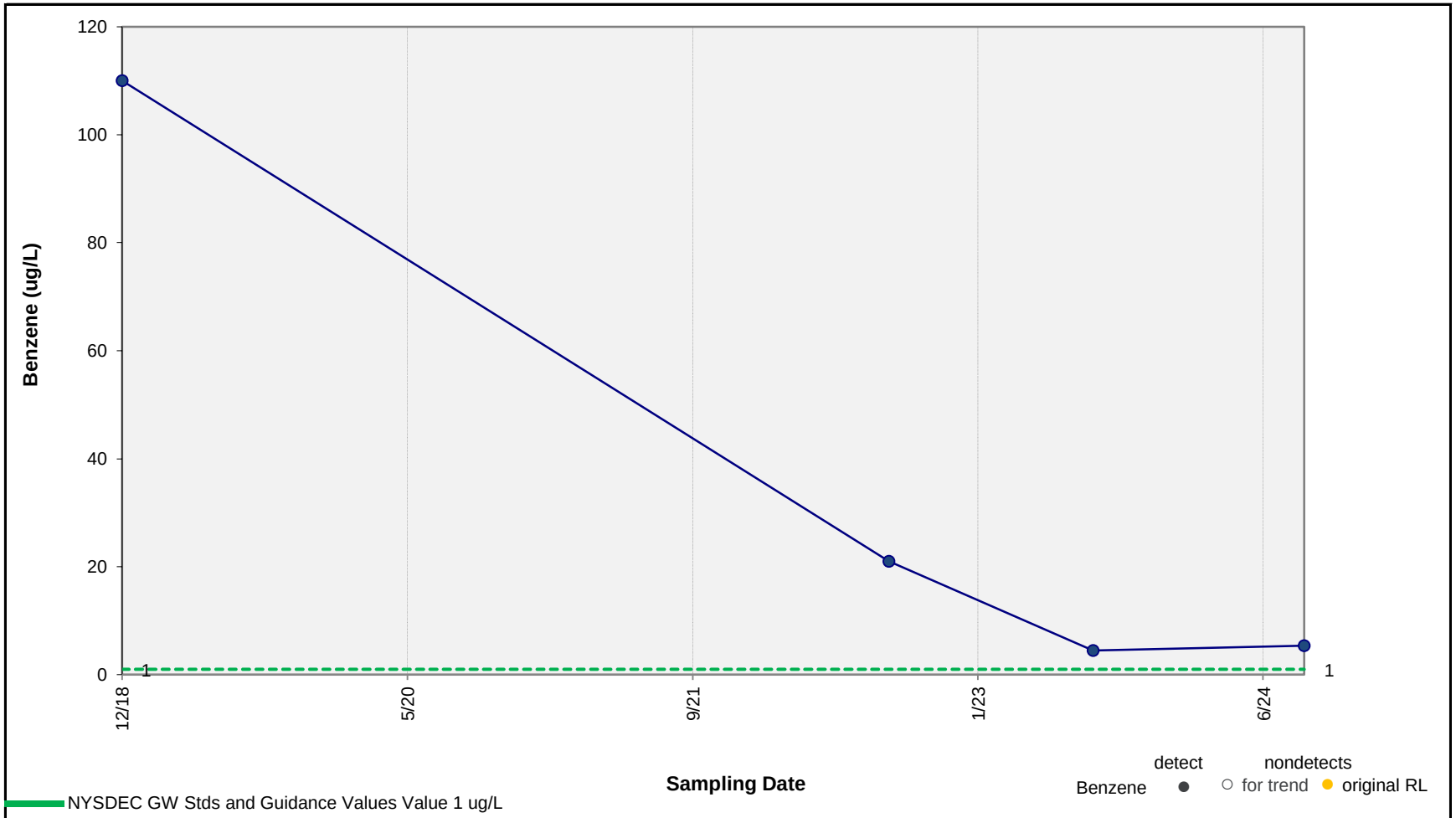
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total PAHs in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-106



Results of Mann-Kendall Test for Trend: **No Significant Trend**

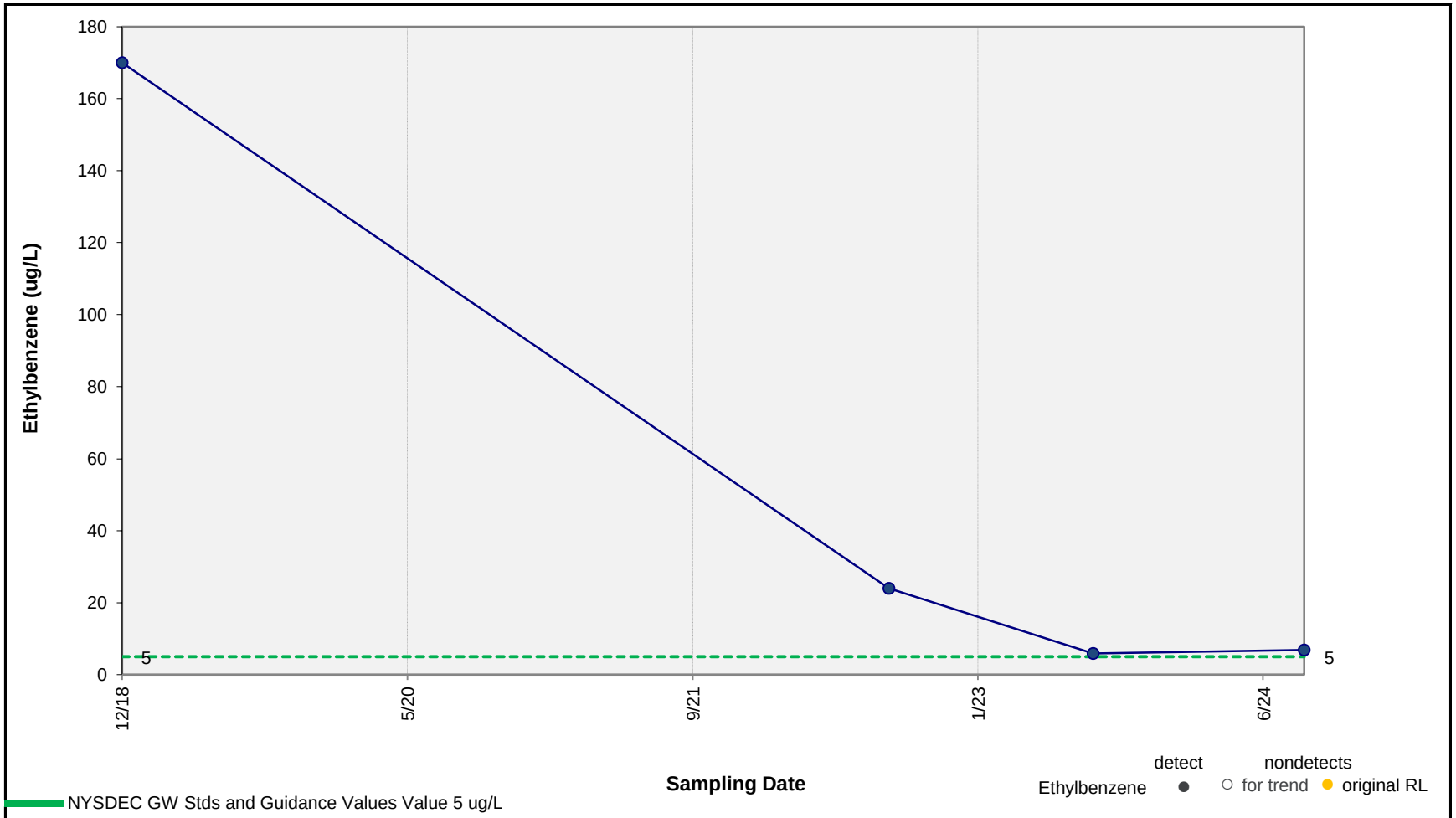
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-107



Results of Mann-Kendall Test for Trend: **No Significant Trend**

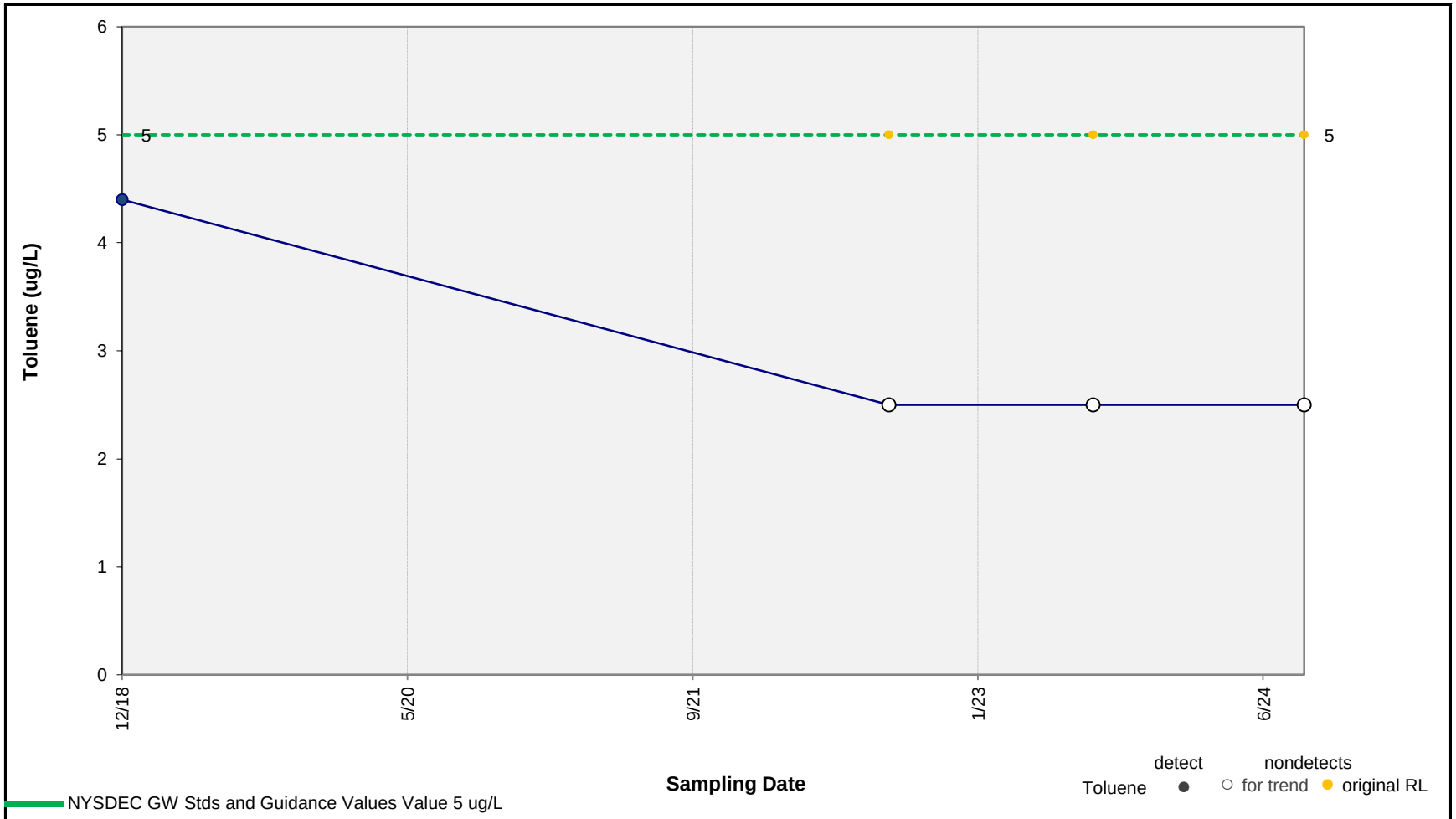
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-108



Results of Mann-Kendall Test for Trend: **No Significant Trend**

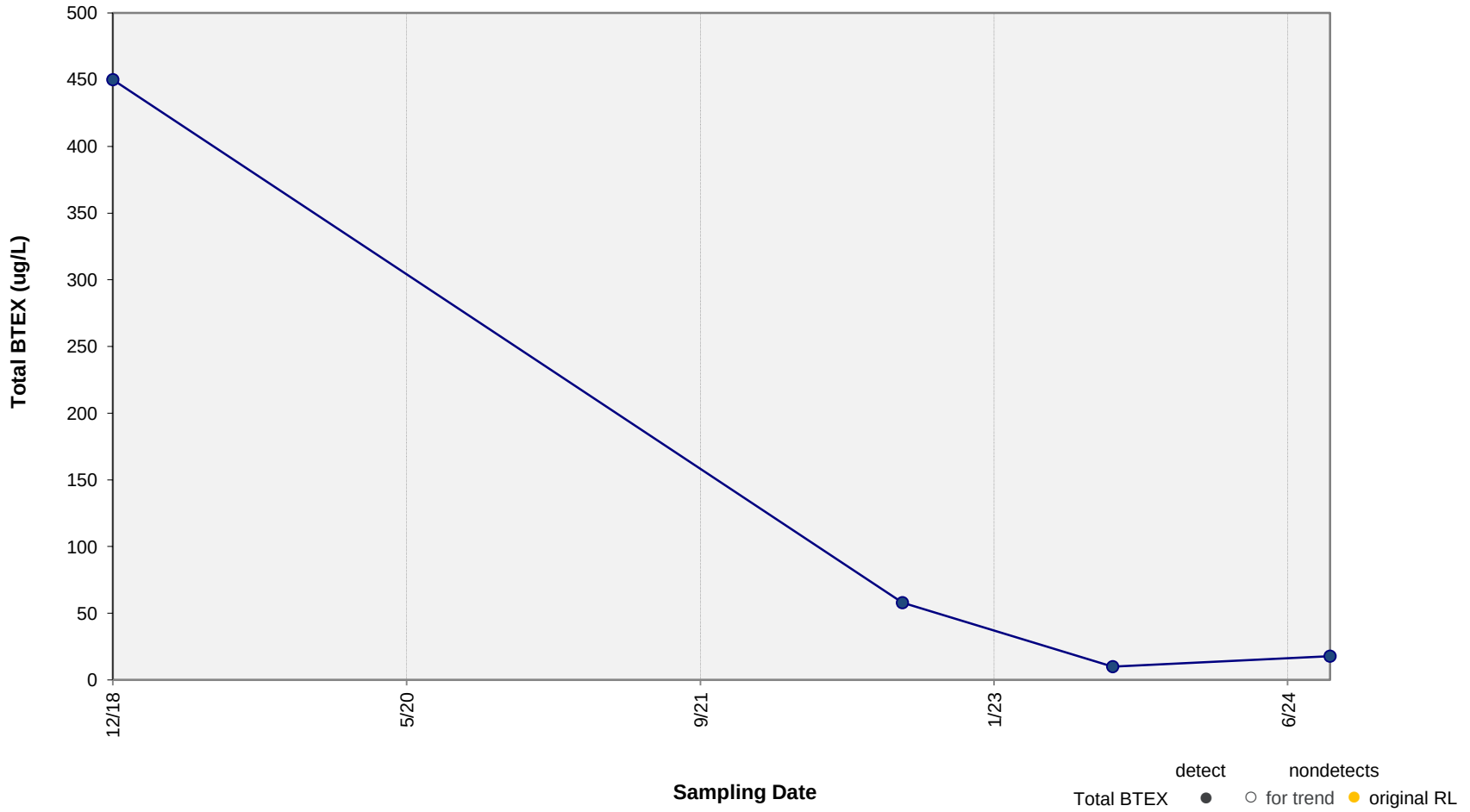
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Toluene in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-109



Results of Mann-Kendall Test for Trend: **No Significant Trend**

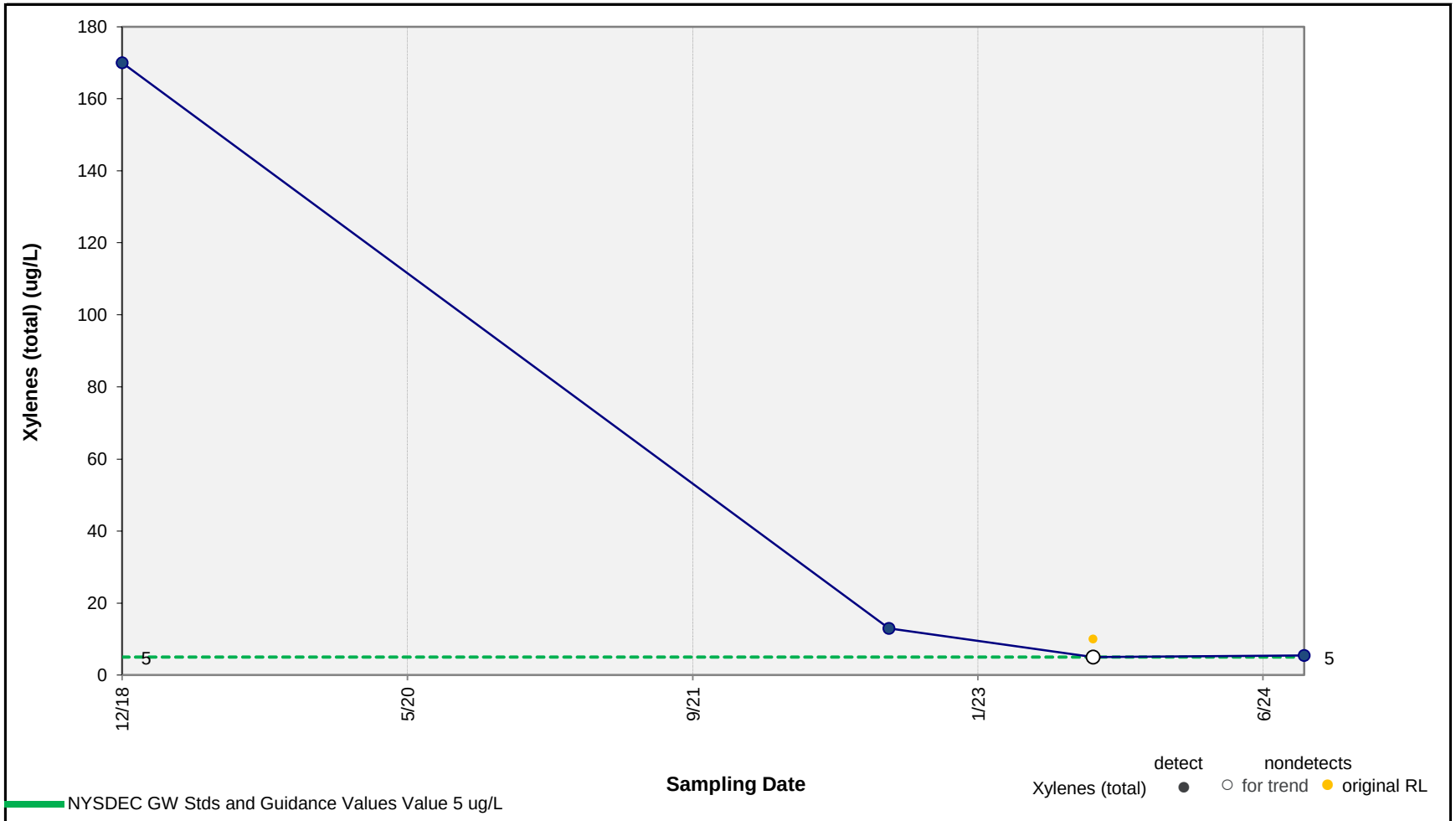
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-110



Results of Mann-Kendall Test for Trend: **No Significant Trend**

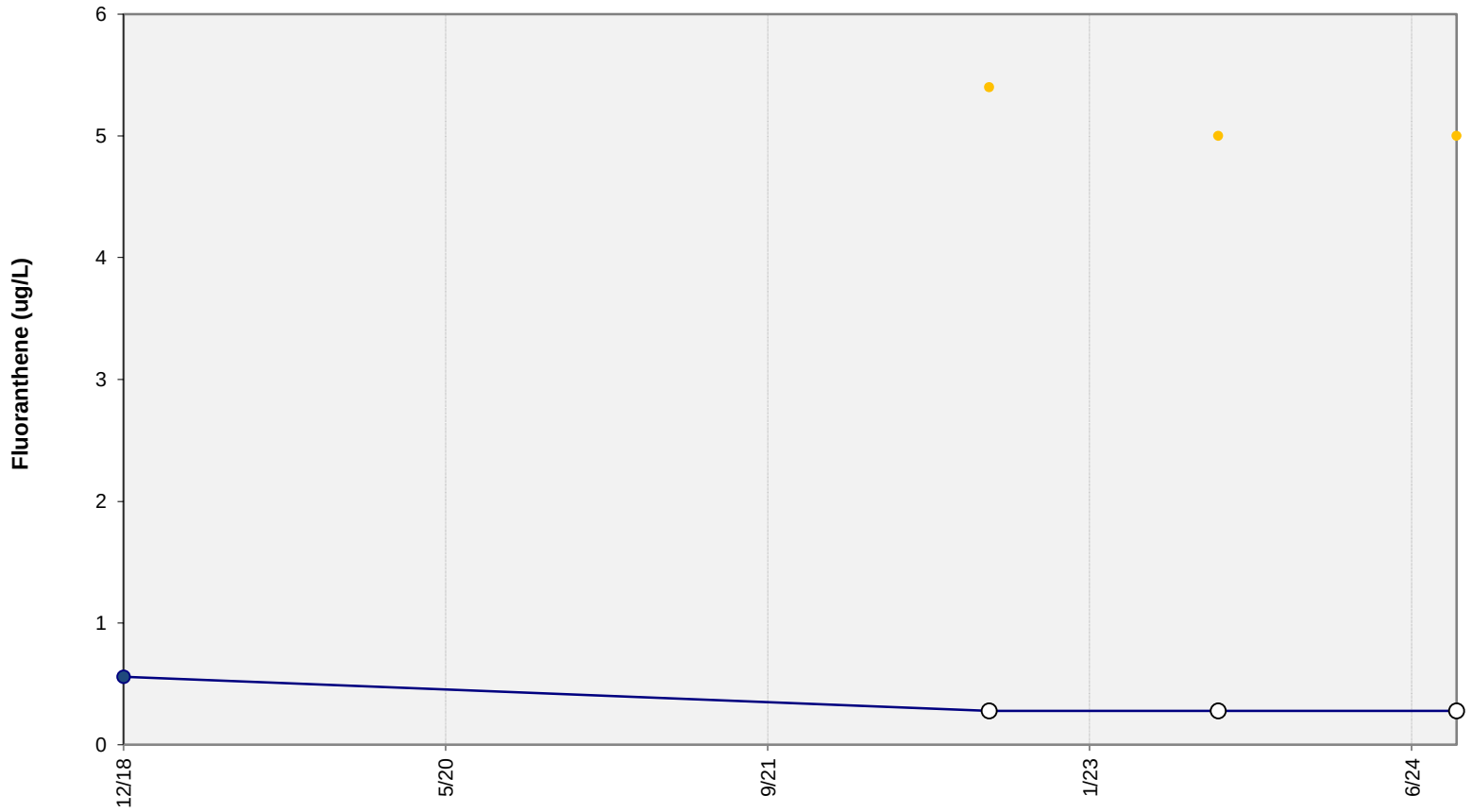
p value = 0.167 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well MW-1808

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-111



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

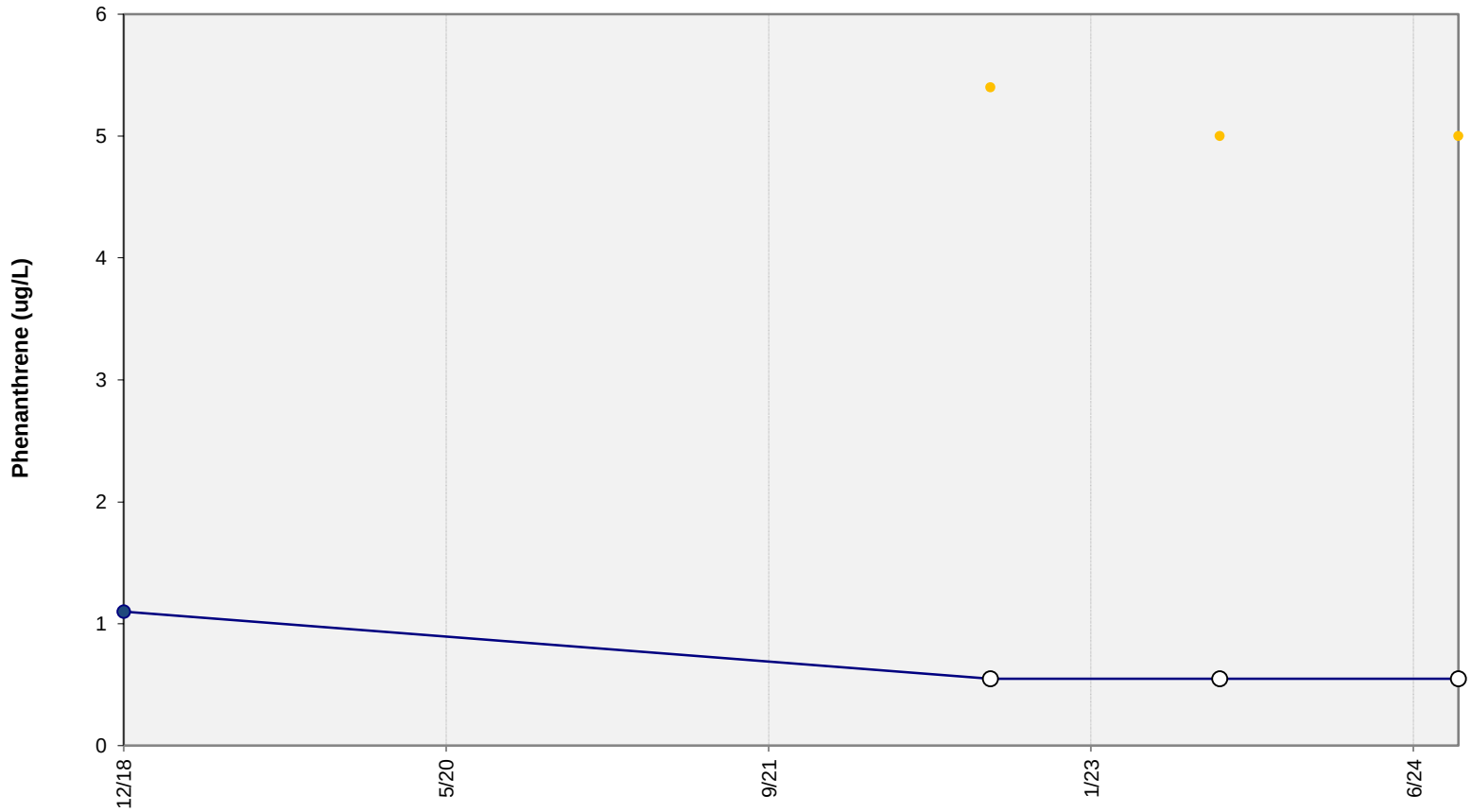
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well MW-1809

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-112



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

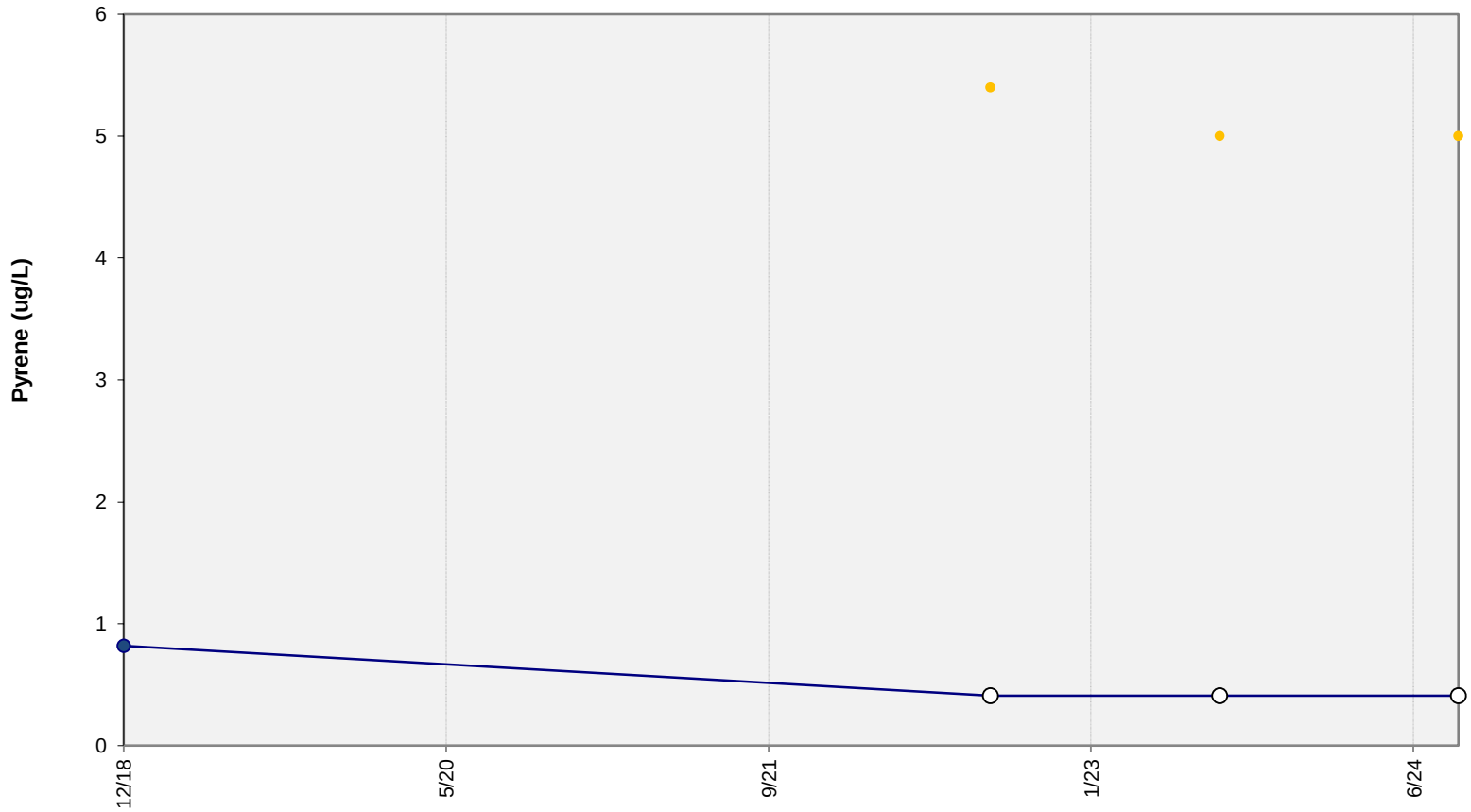
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well MW-1809

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-113



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

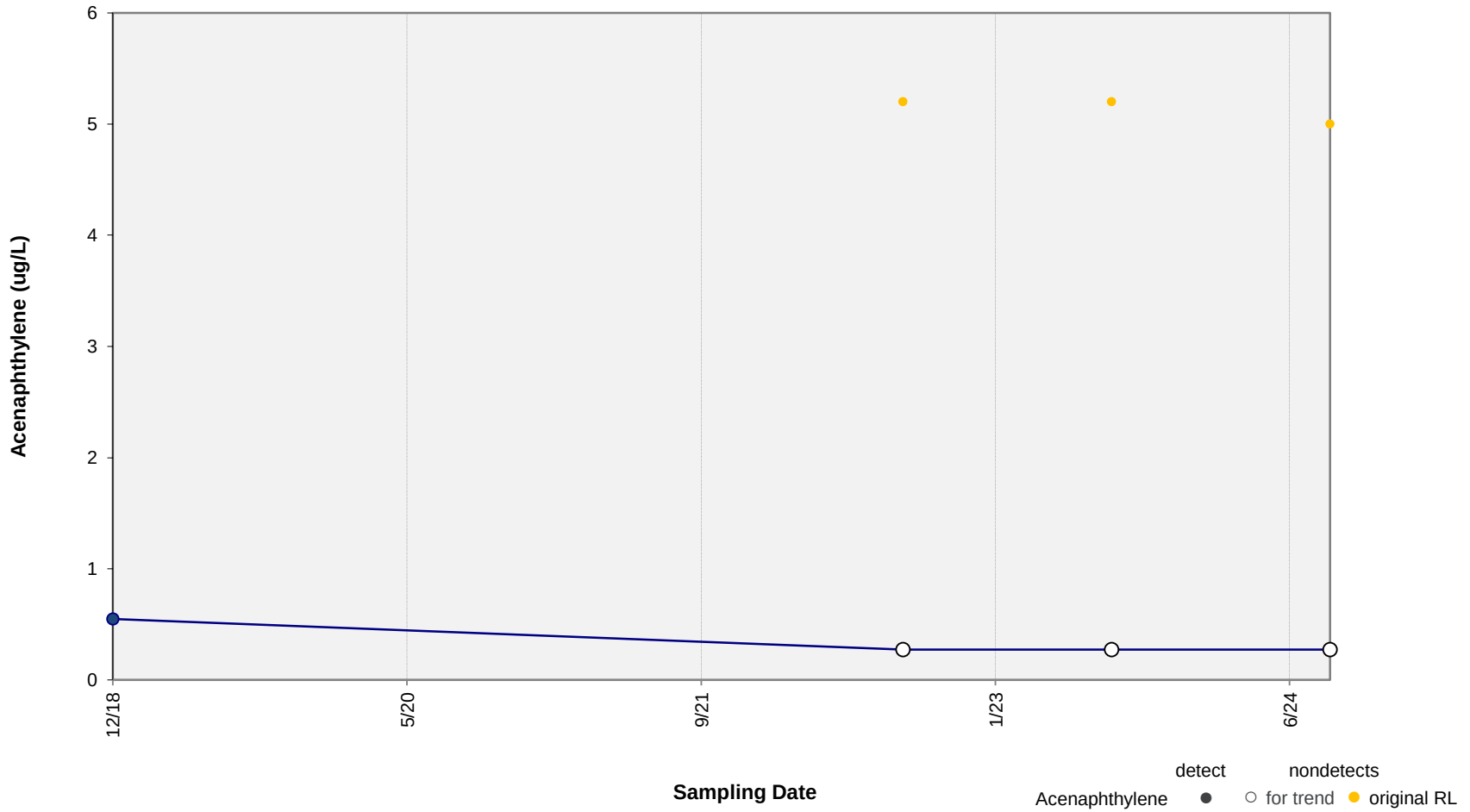
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well MW-1809

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-114



Results of Mann-Kendall Test for Trend: **No Significant Trend**

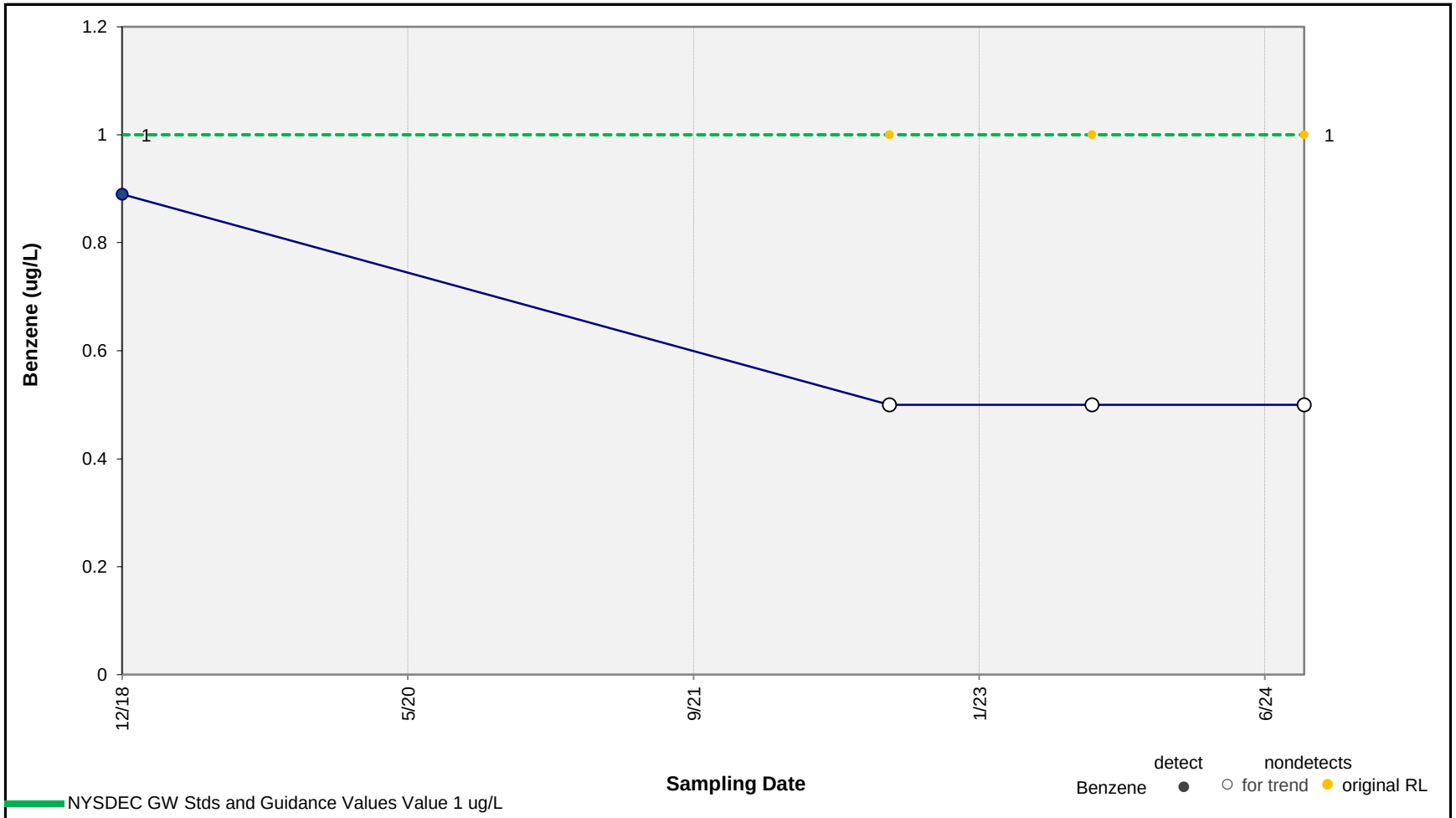
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthylene in Well MW-1810

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-115



Results of Mann-Kendall Test for Trend: **No Significant Trend**

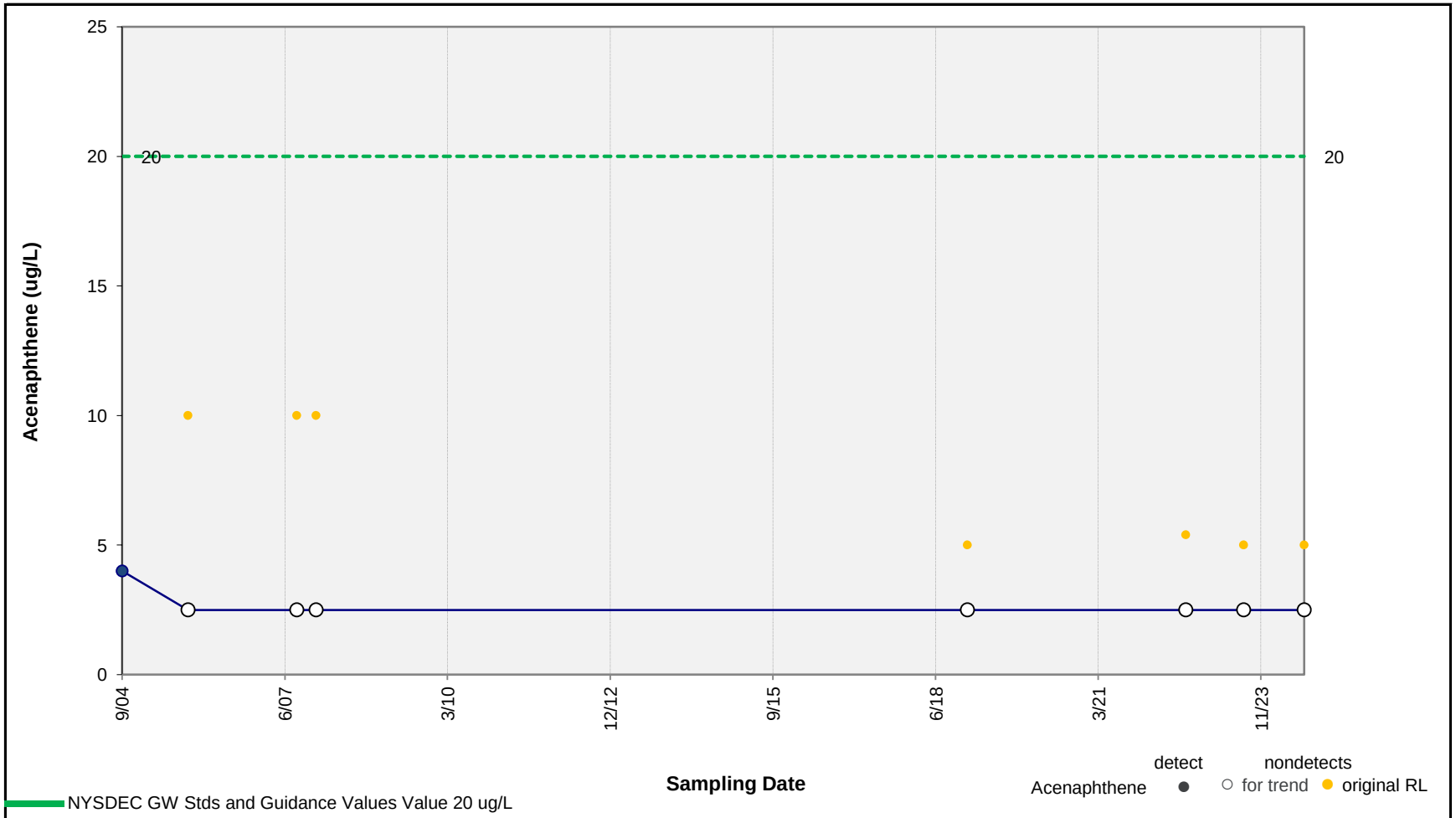
p value = 0.271 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well MW-1810

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-116



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

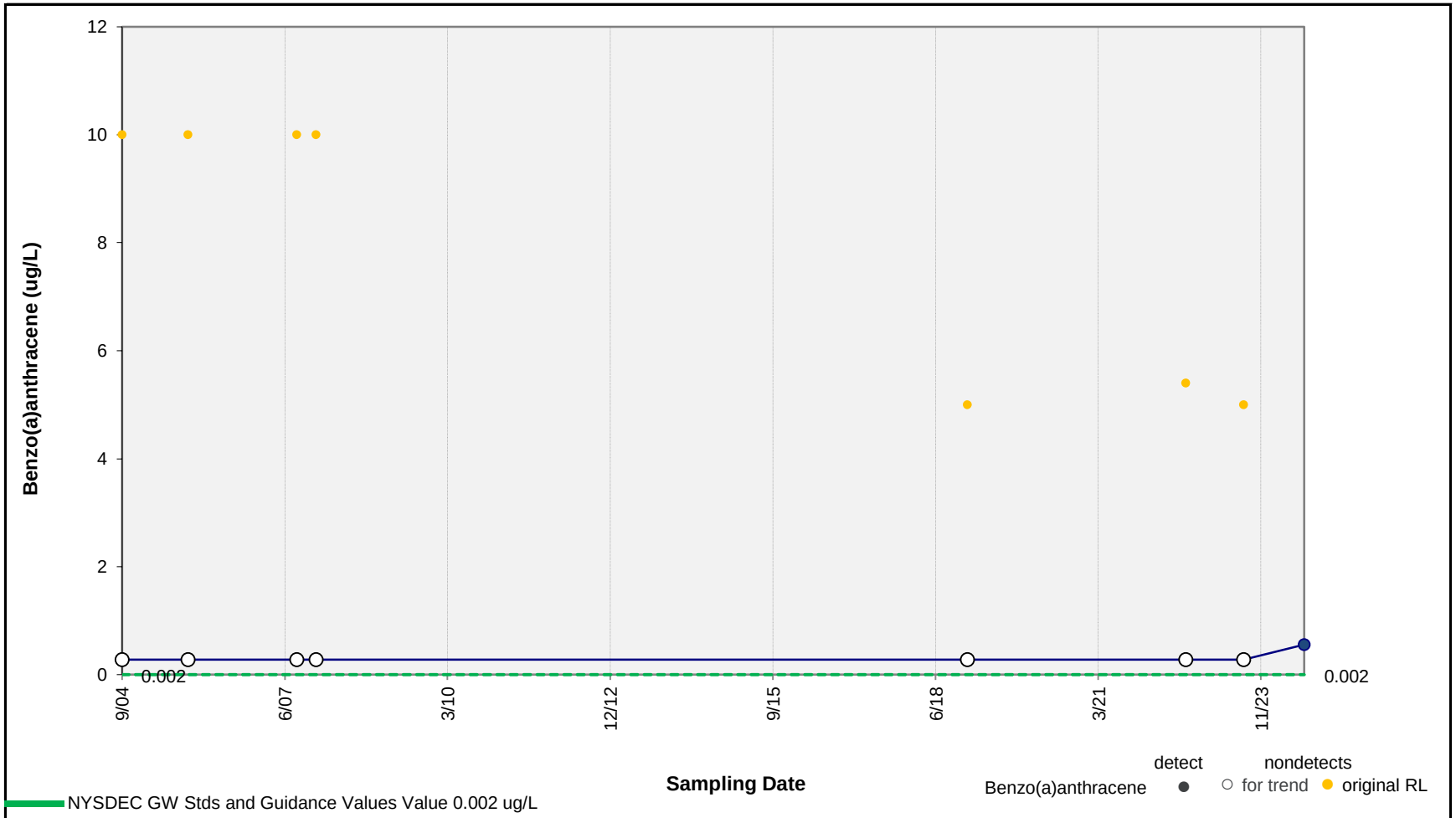
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well PZ13

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-117



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

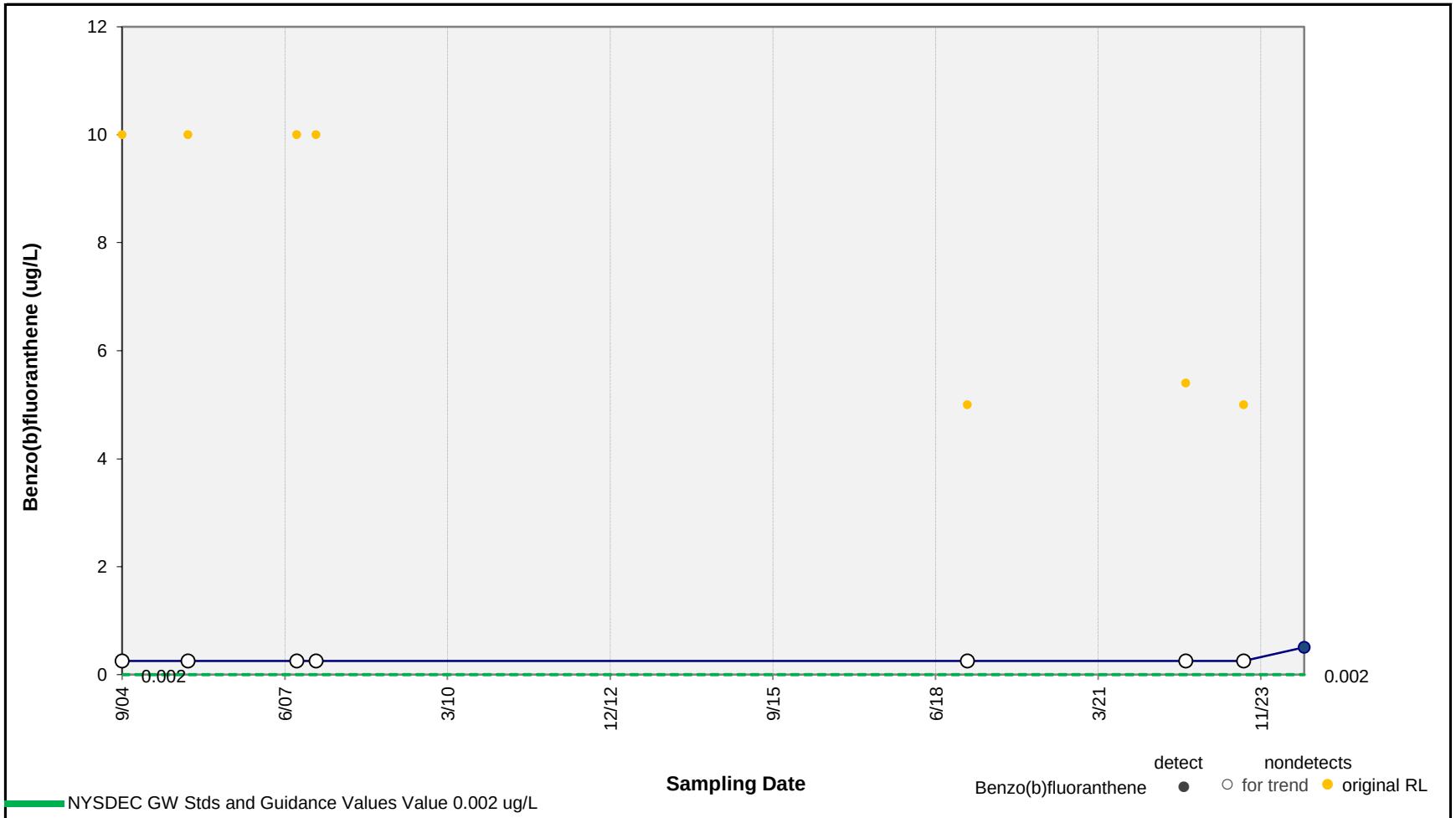
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(a)anthracene in Well PZ13

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-118



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

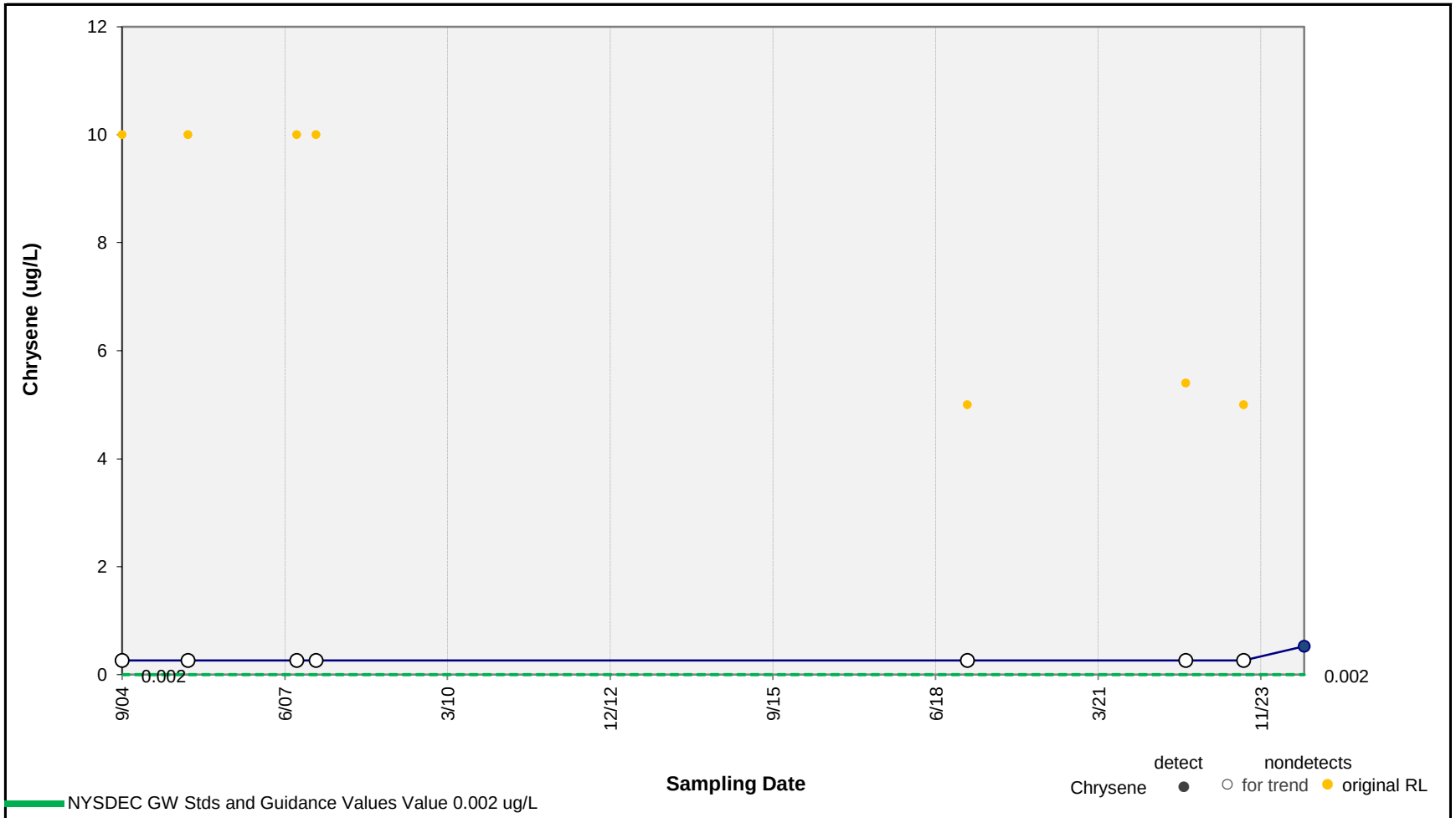
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(b)fluoranthene in Well PZ13

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-119



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

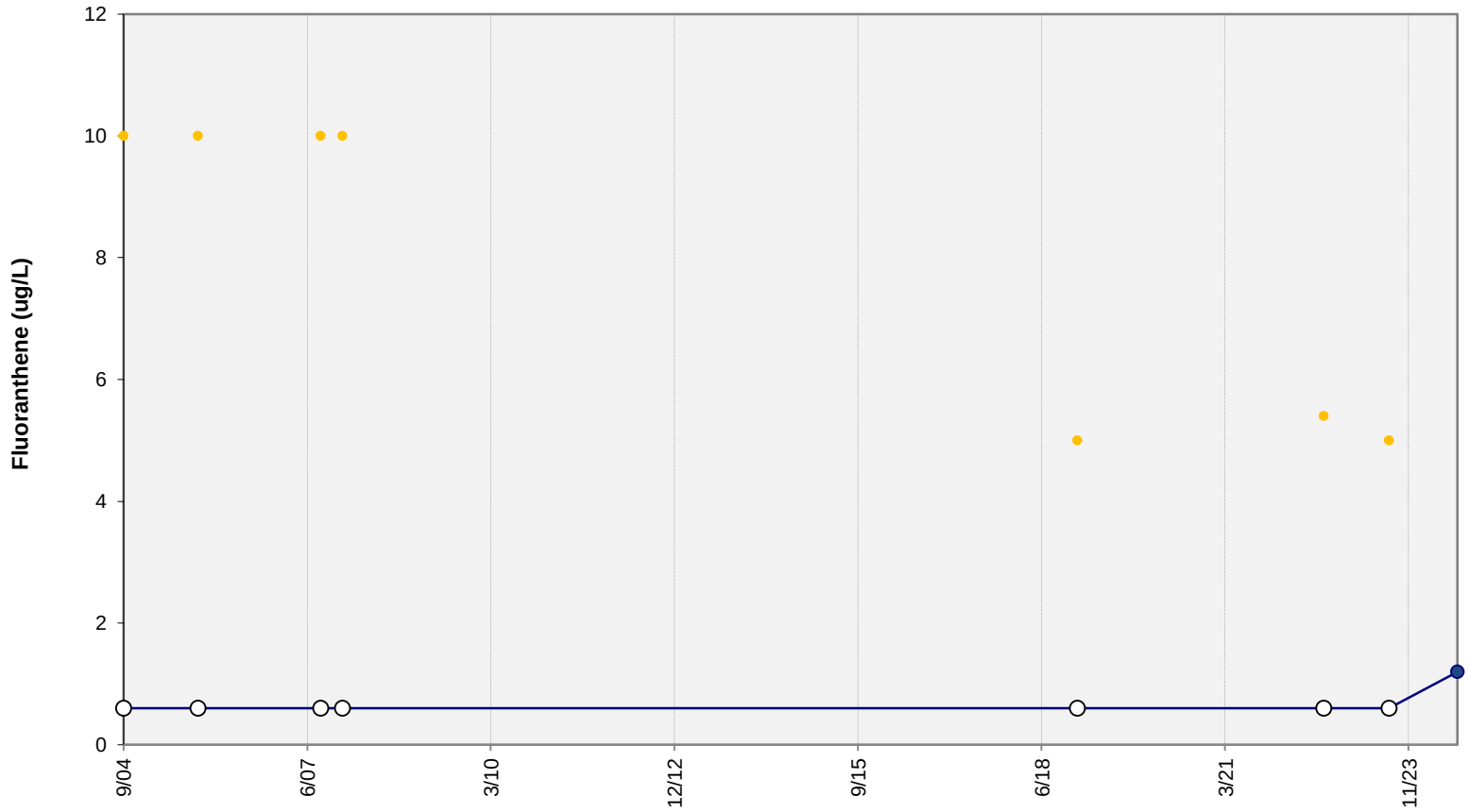
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Chrysene in Well PZ13

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-120



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

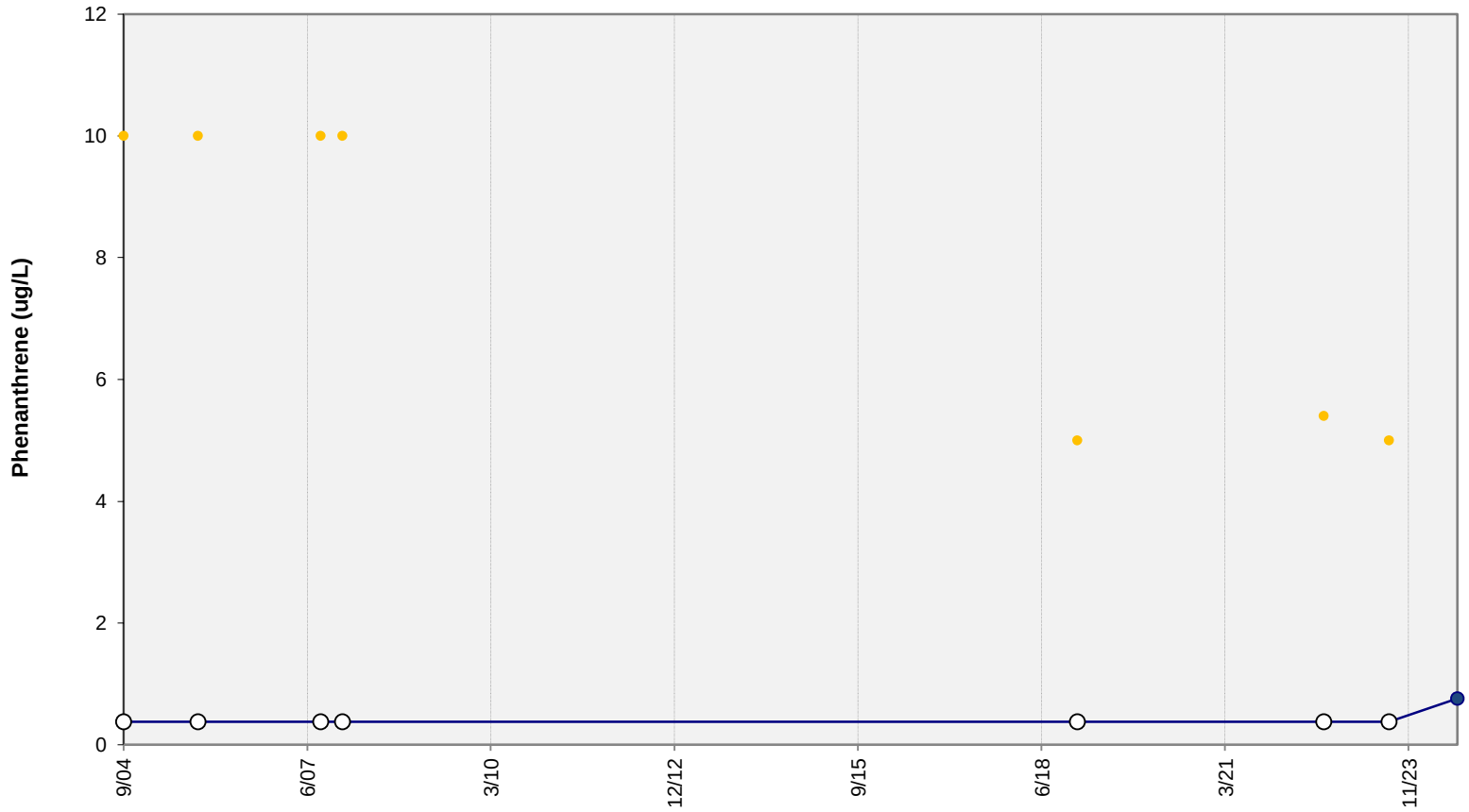
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well PZ13

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-121



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

p value = --

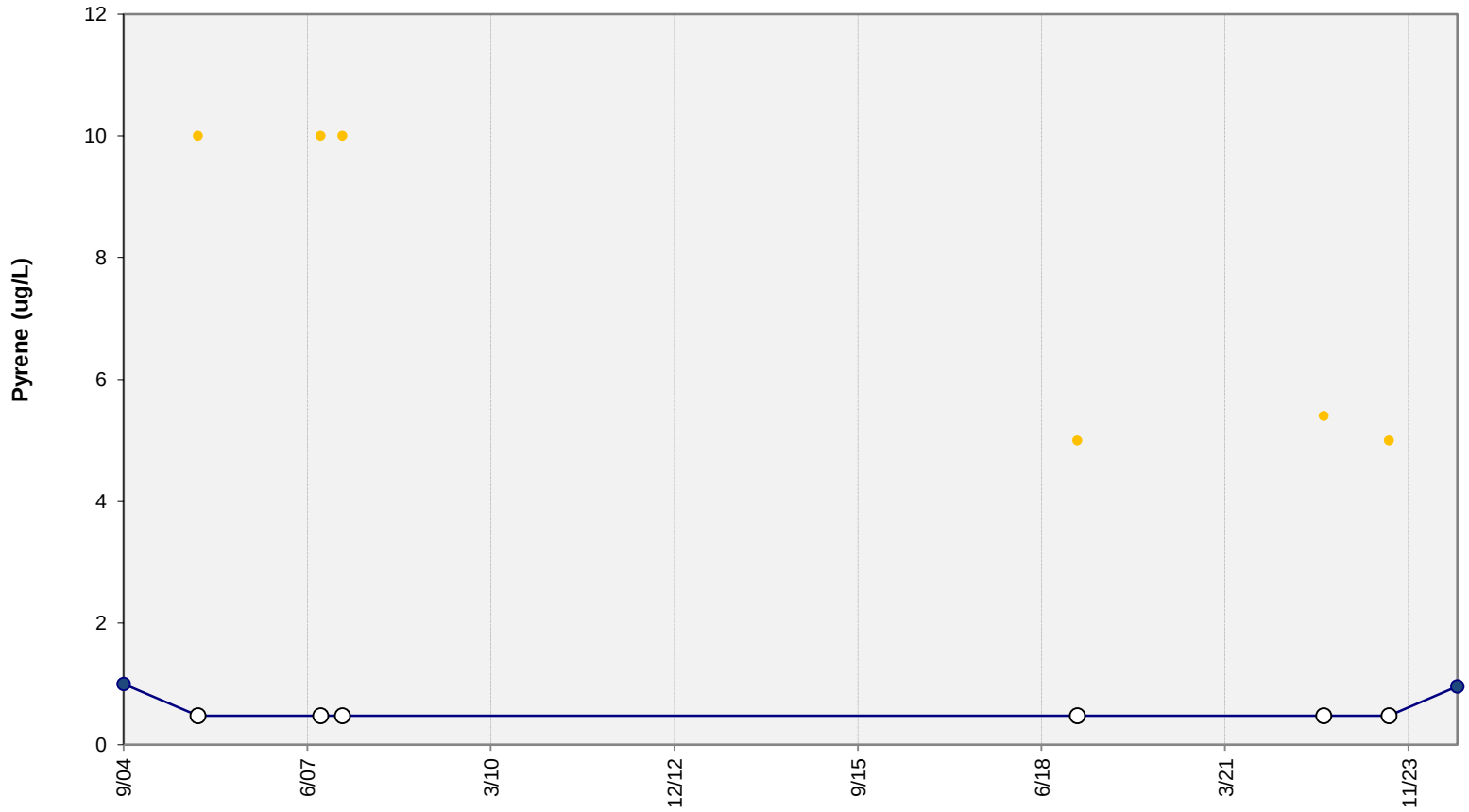
Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well PZ13

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-122



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

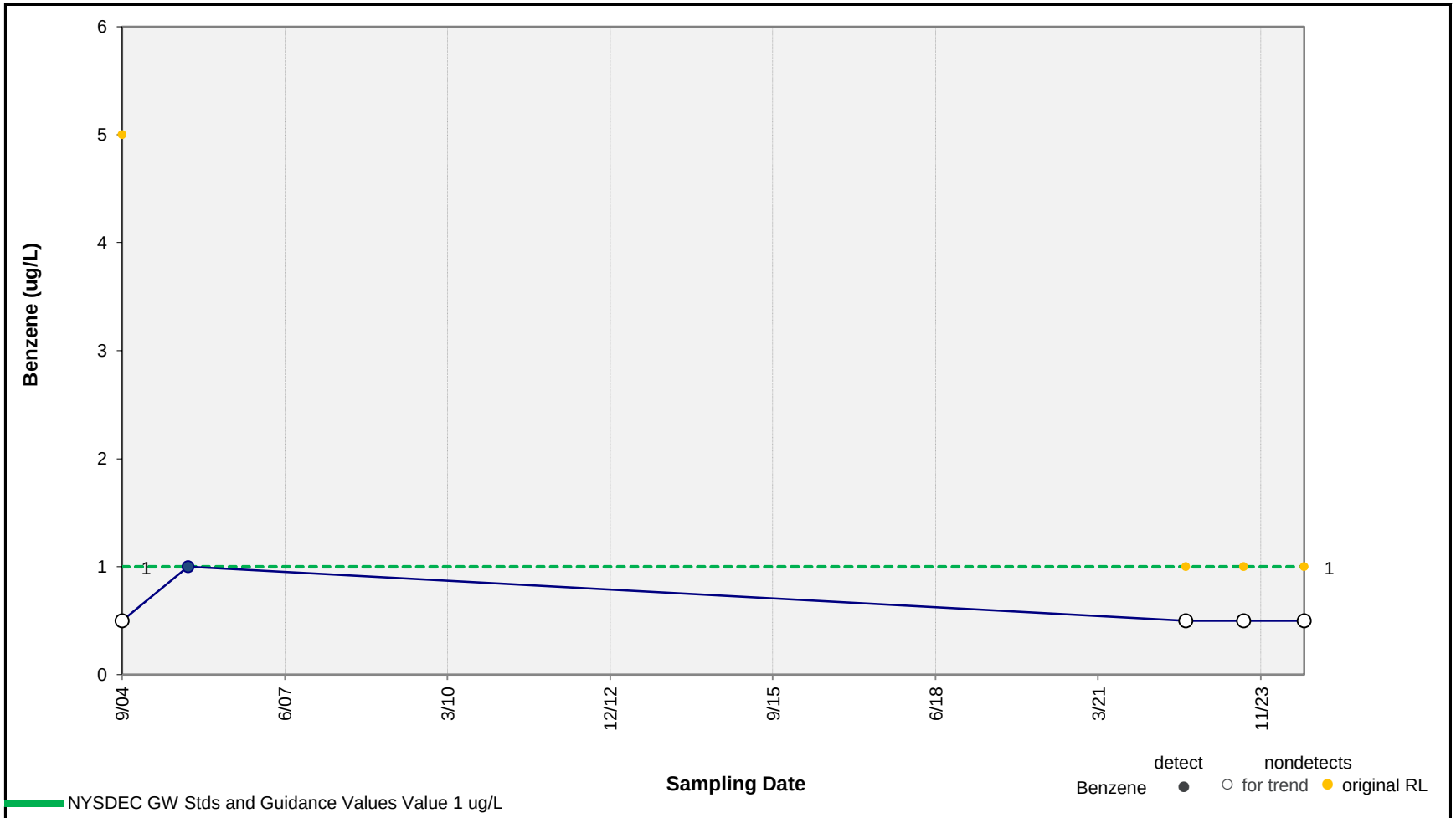
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well PZ13

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-123



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

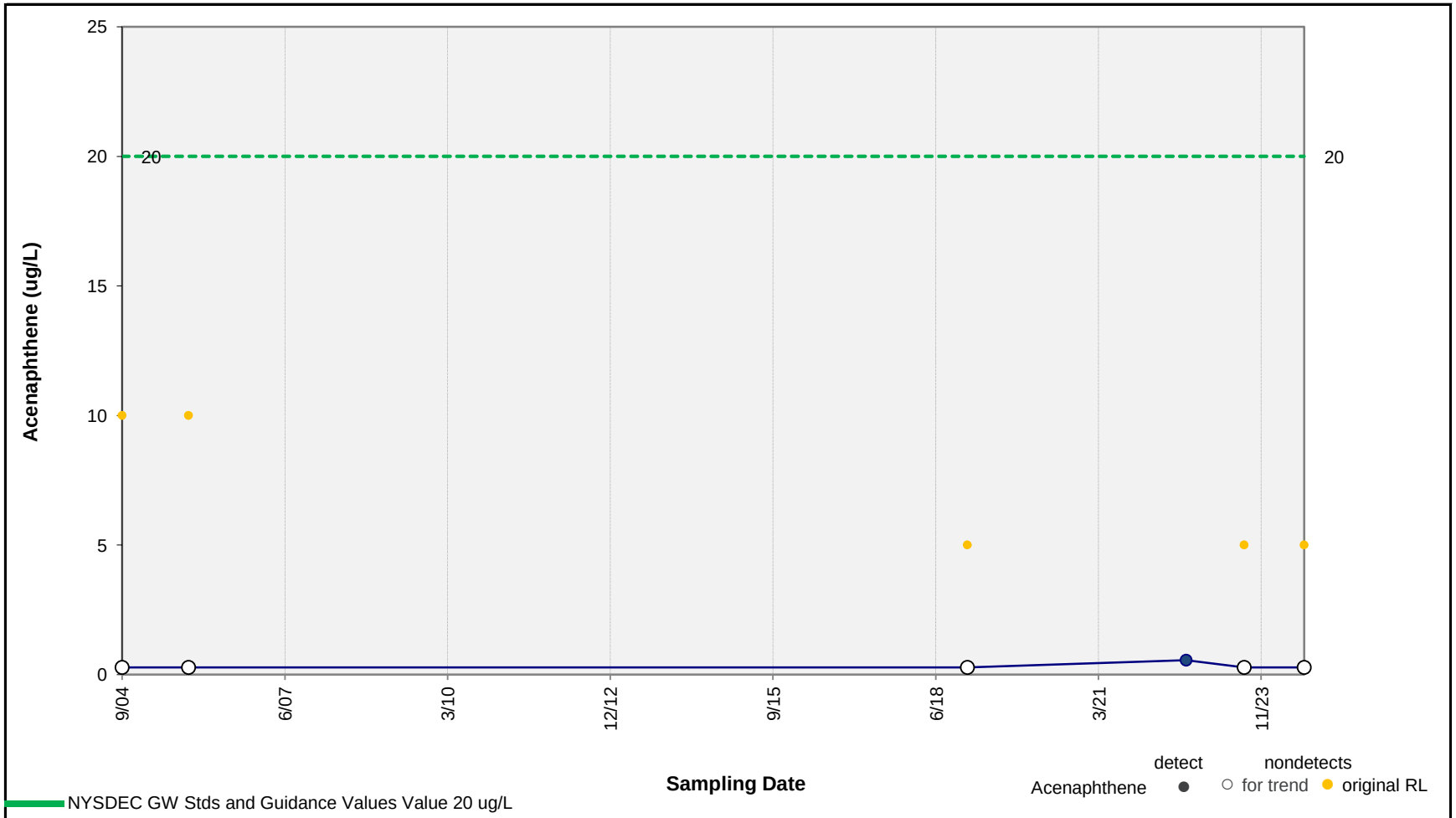
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well PZ14

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-124



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

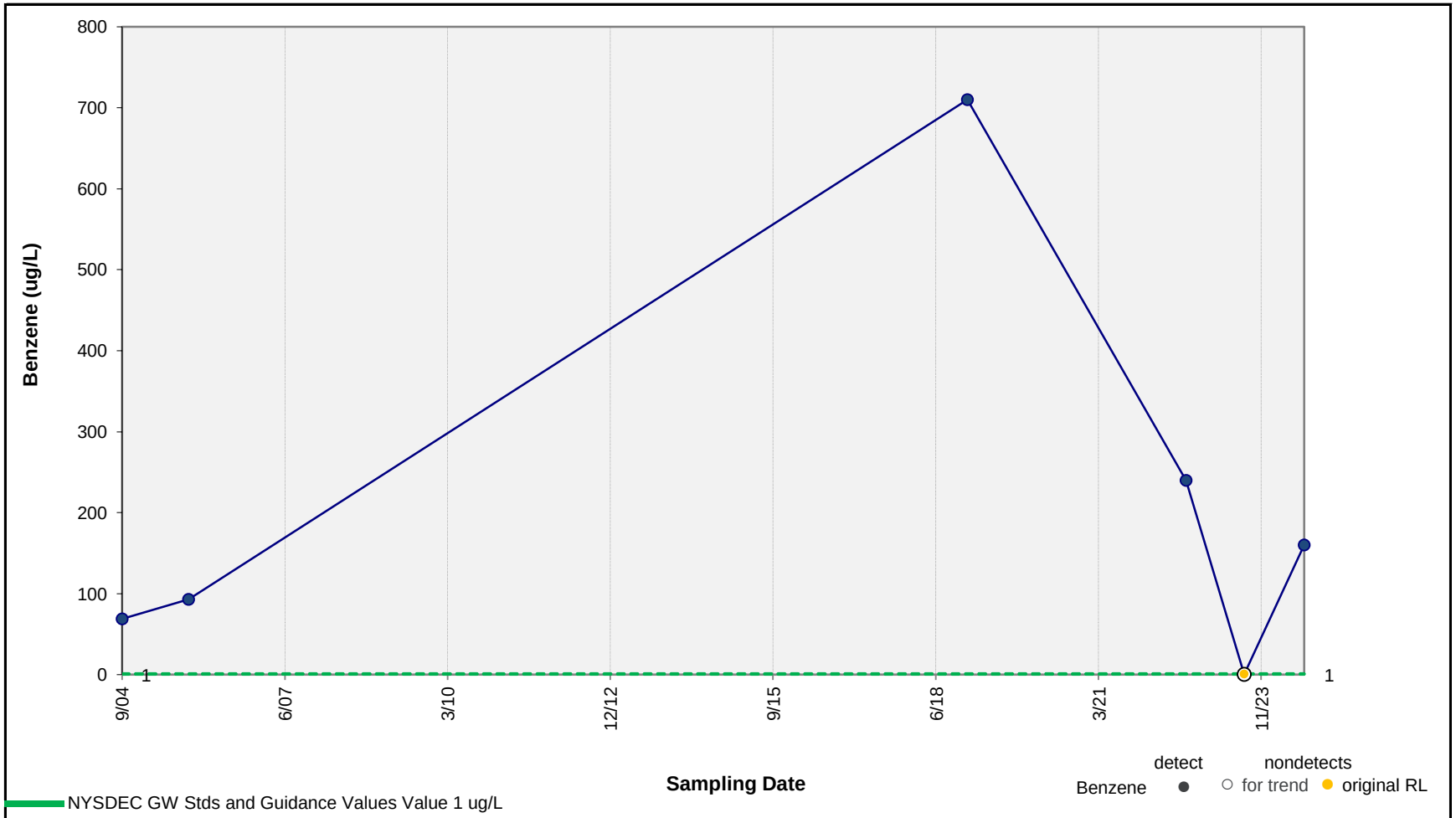
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well PZ18

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-125



Results of Mann-Kendall Test for Trend: **No Significant Trend**

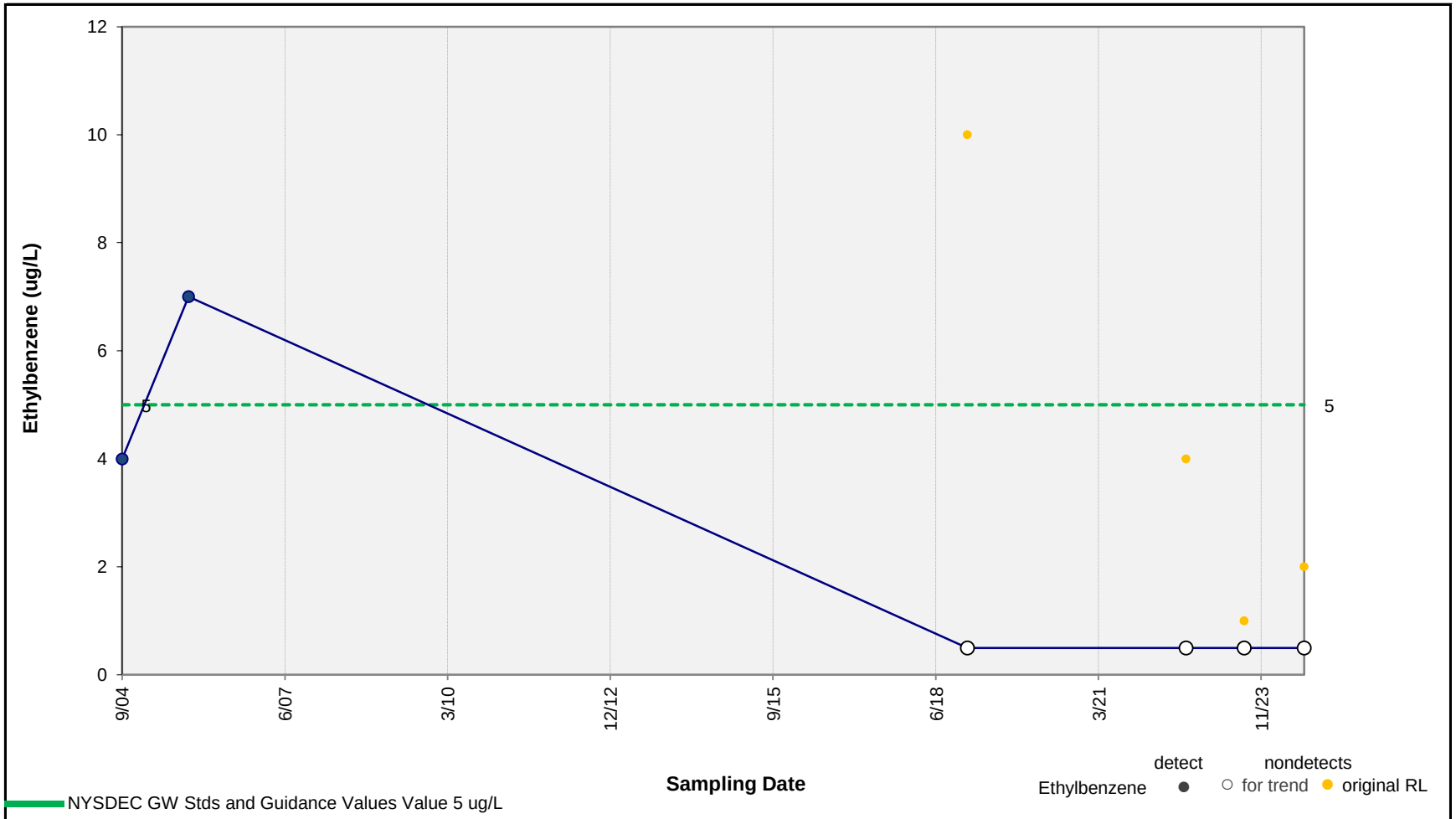
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well PZ18

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-126



Results of Mann-Kendall Test for Trend: **No Significant Trend**

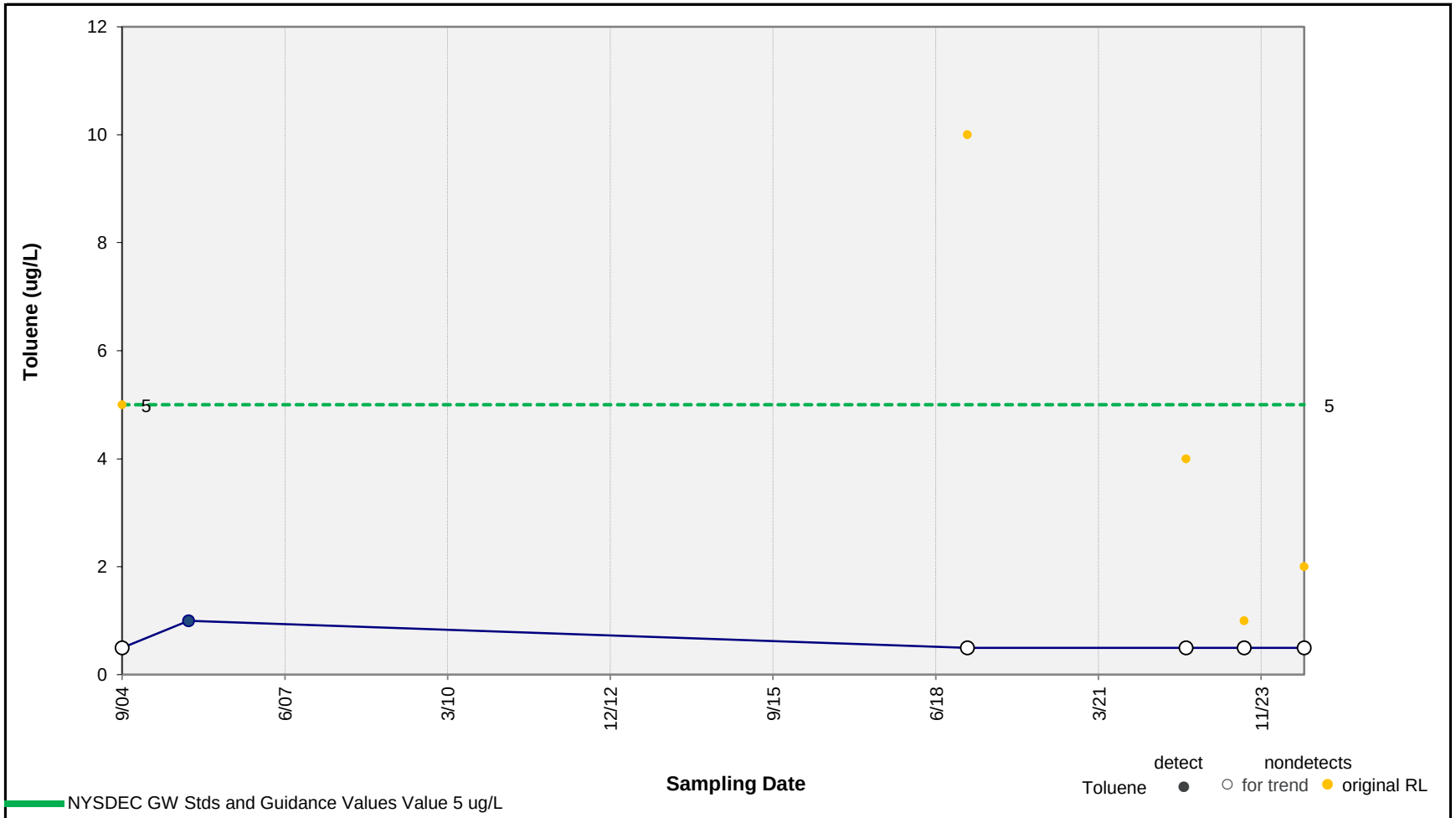
p value = 0.136 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well PZ18

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-127



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

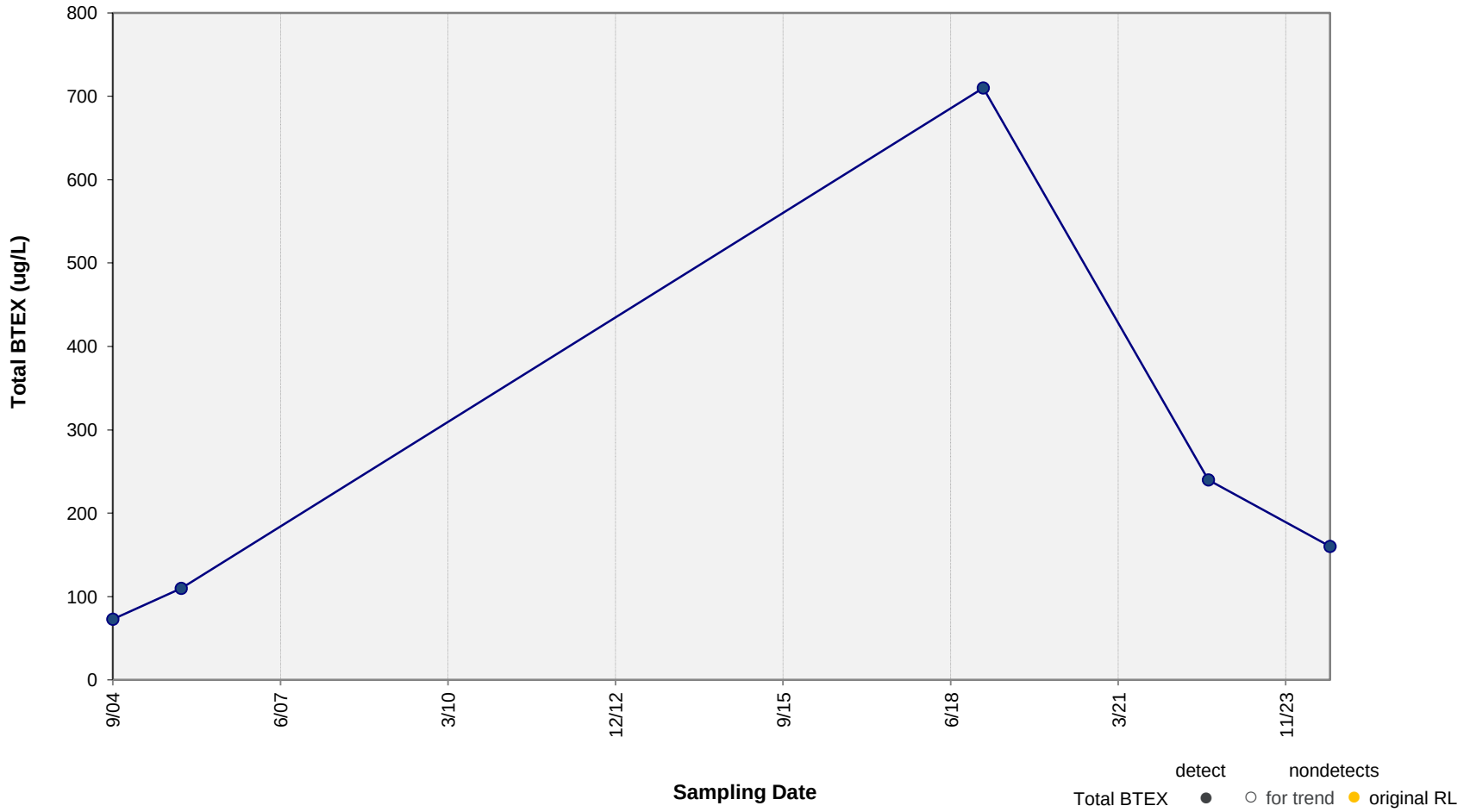
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Toluene in Well PZ18

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-128



Results of Mann-Kendall Test for Trend: **No Significant Trend**

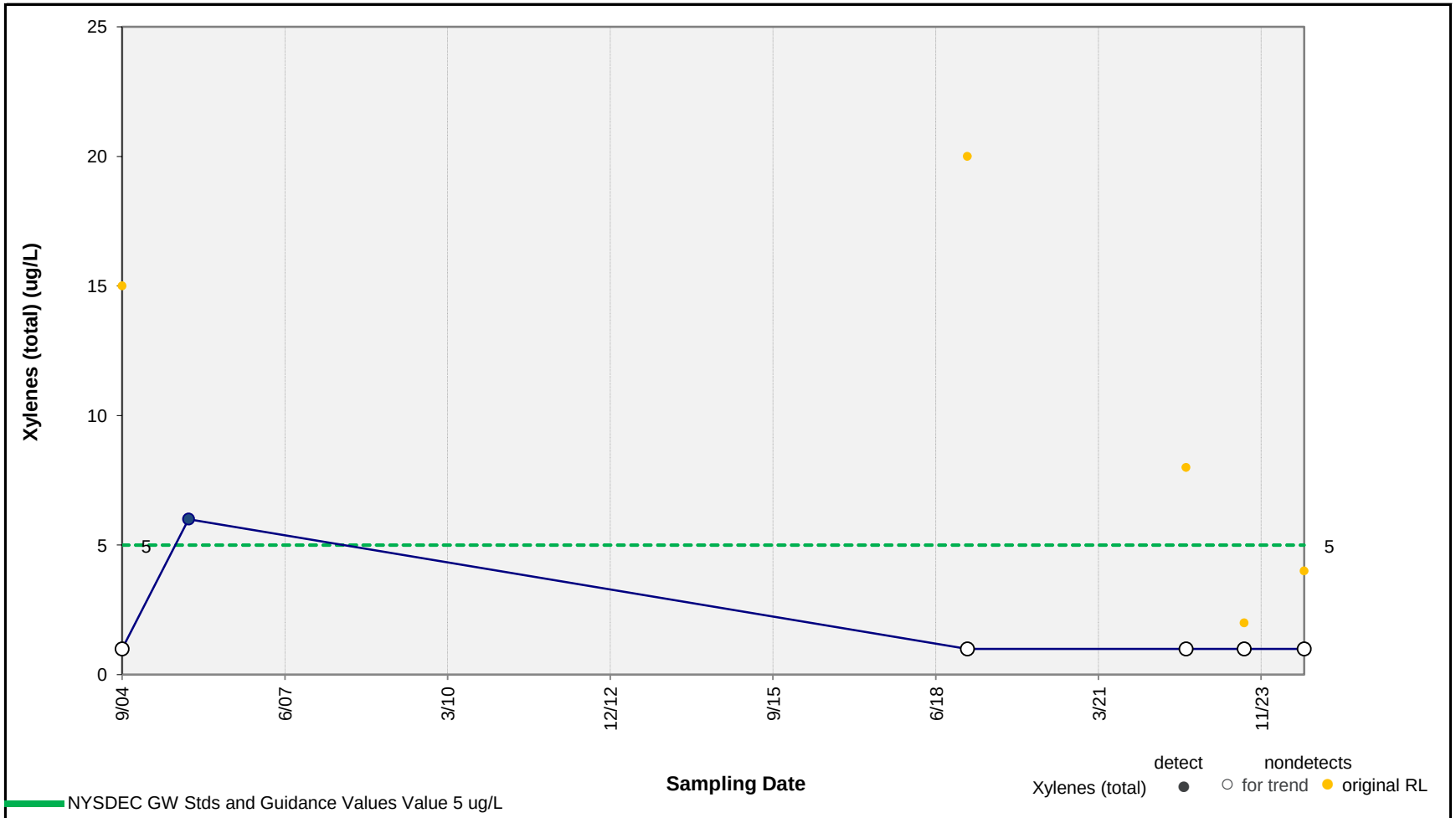
p value = 0.242 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well PZ18

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-129



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

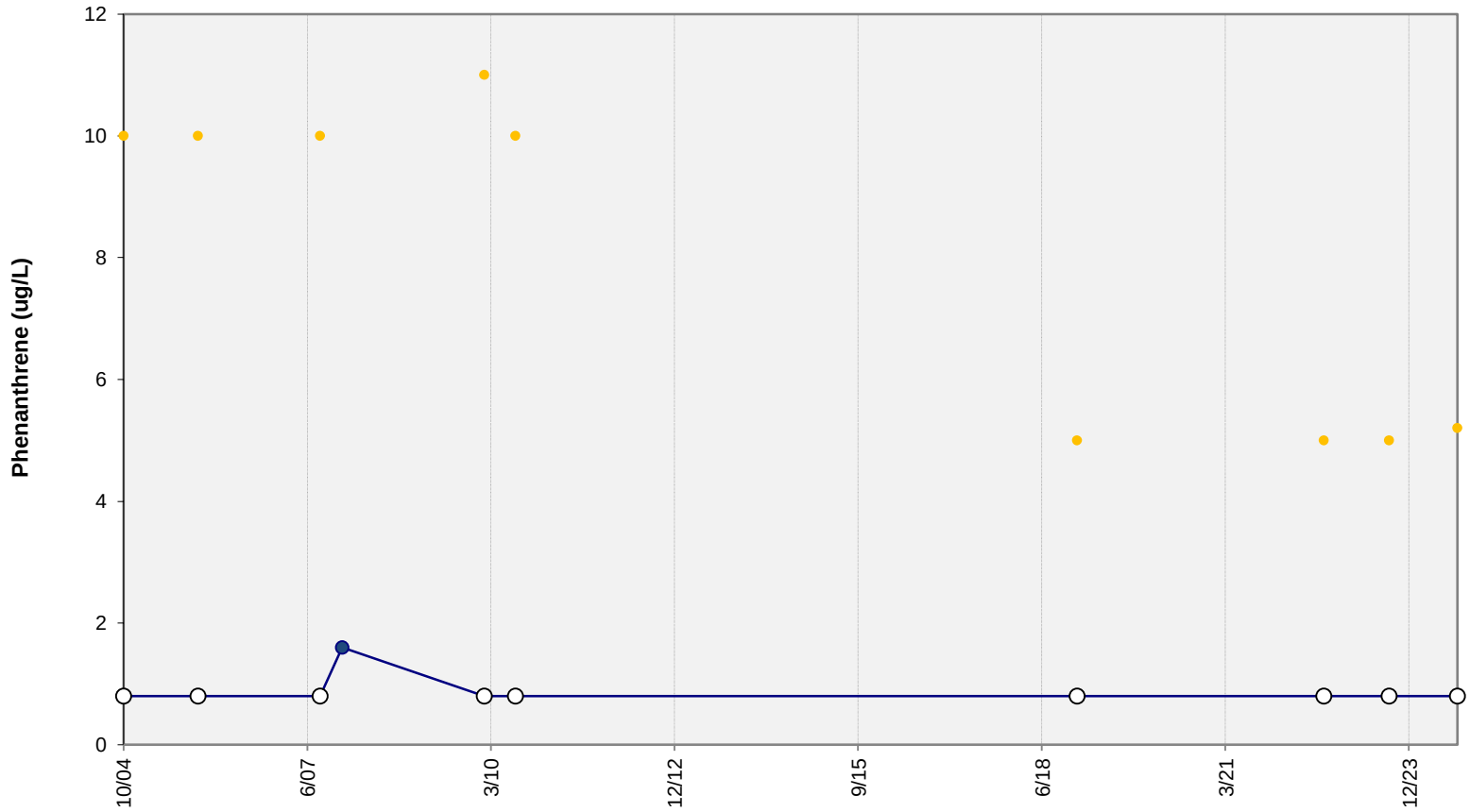
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well PZ18

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-130



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

p value = --

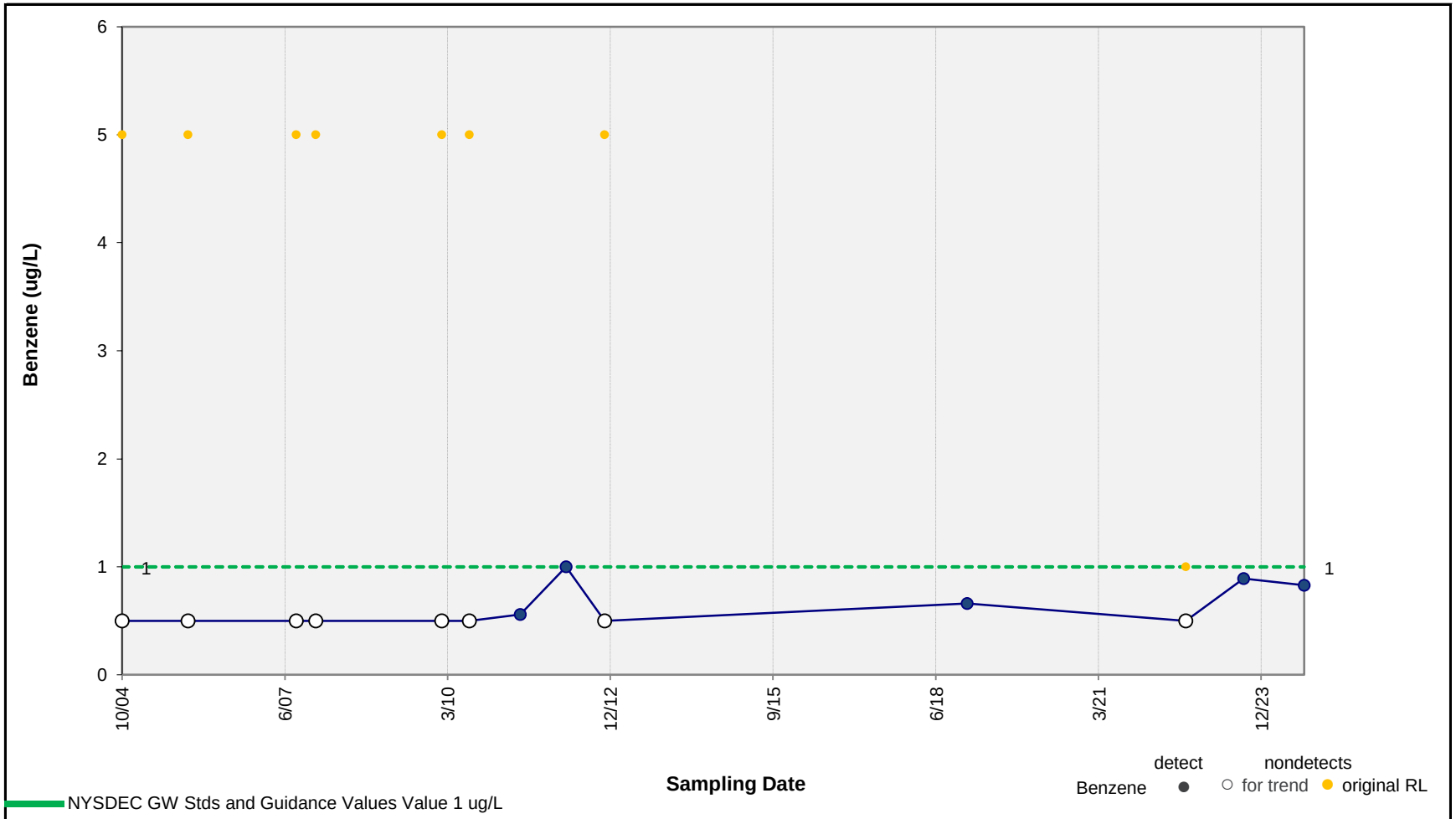
Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well PZ24

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-131



Results of Mann-Kendall Test for Trend: **INCREASING TREND**

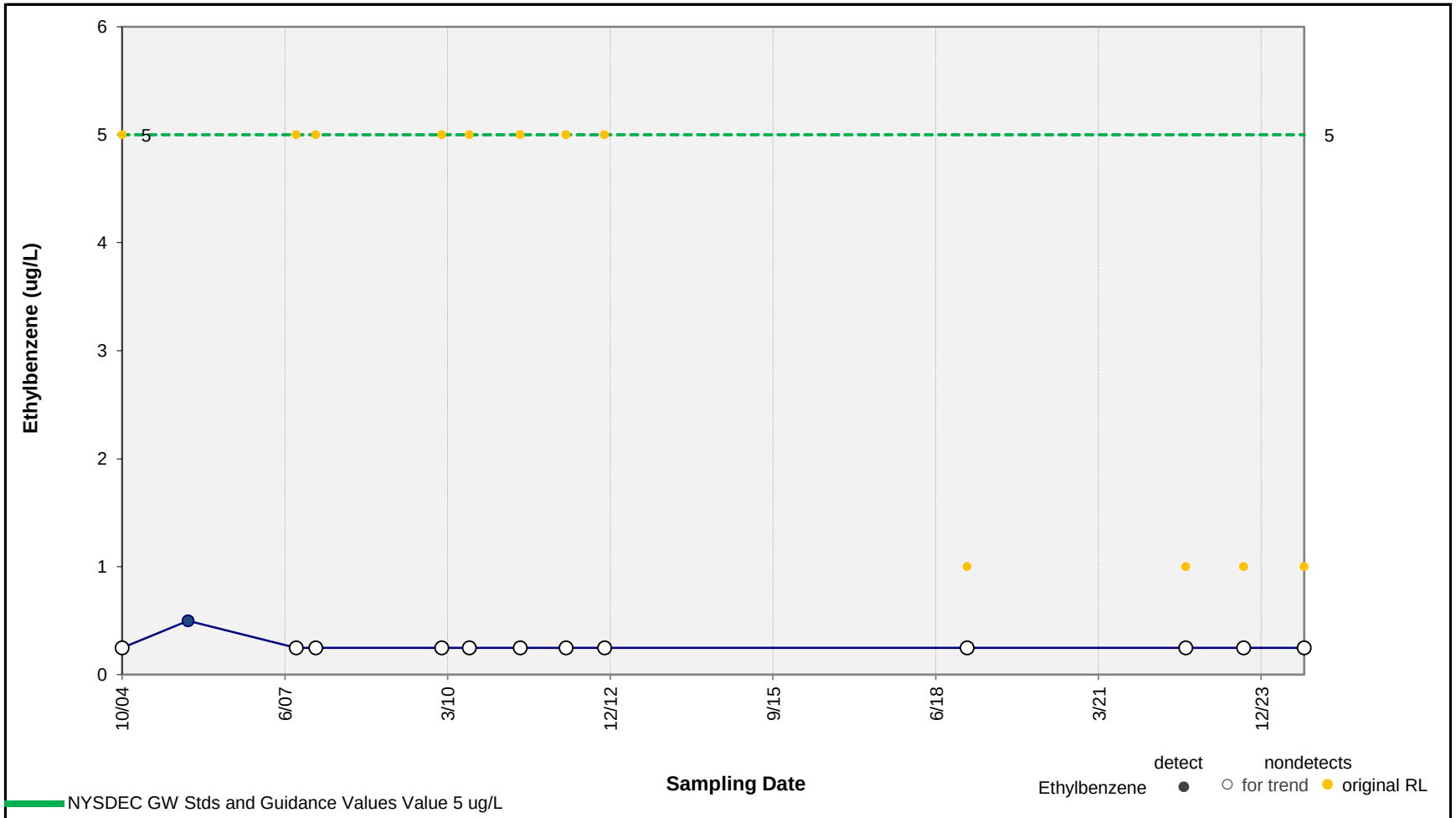
p value = 0.015 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well PZ24

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-132



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

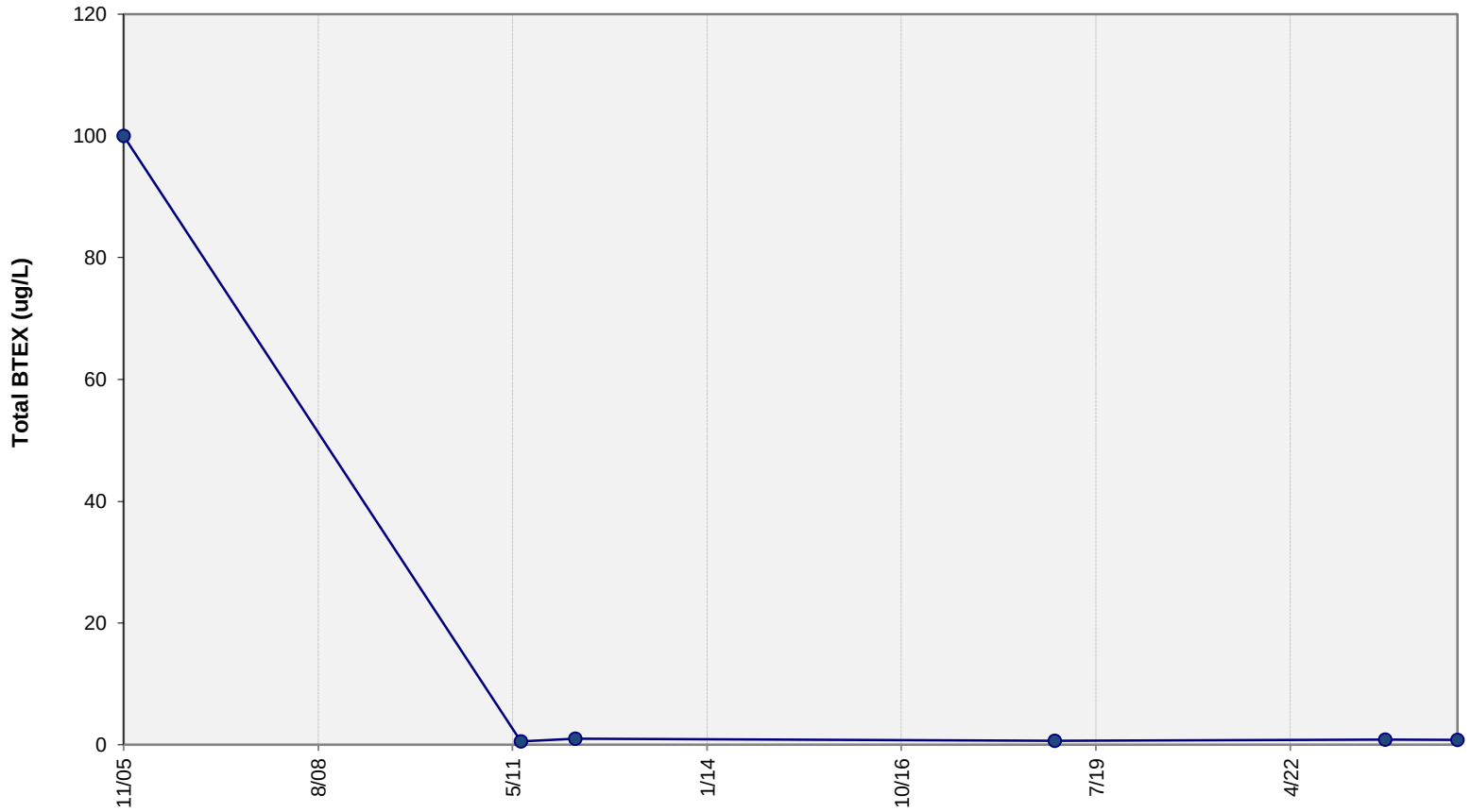
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well PZ24

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-133



Results of Mann-Kendall Test for Trend: **No Significant Trend**

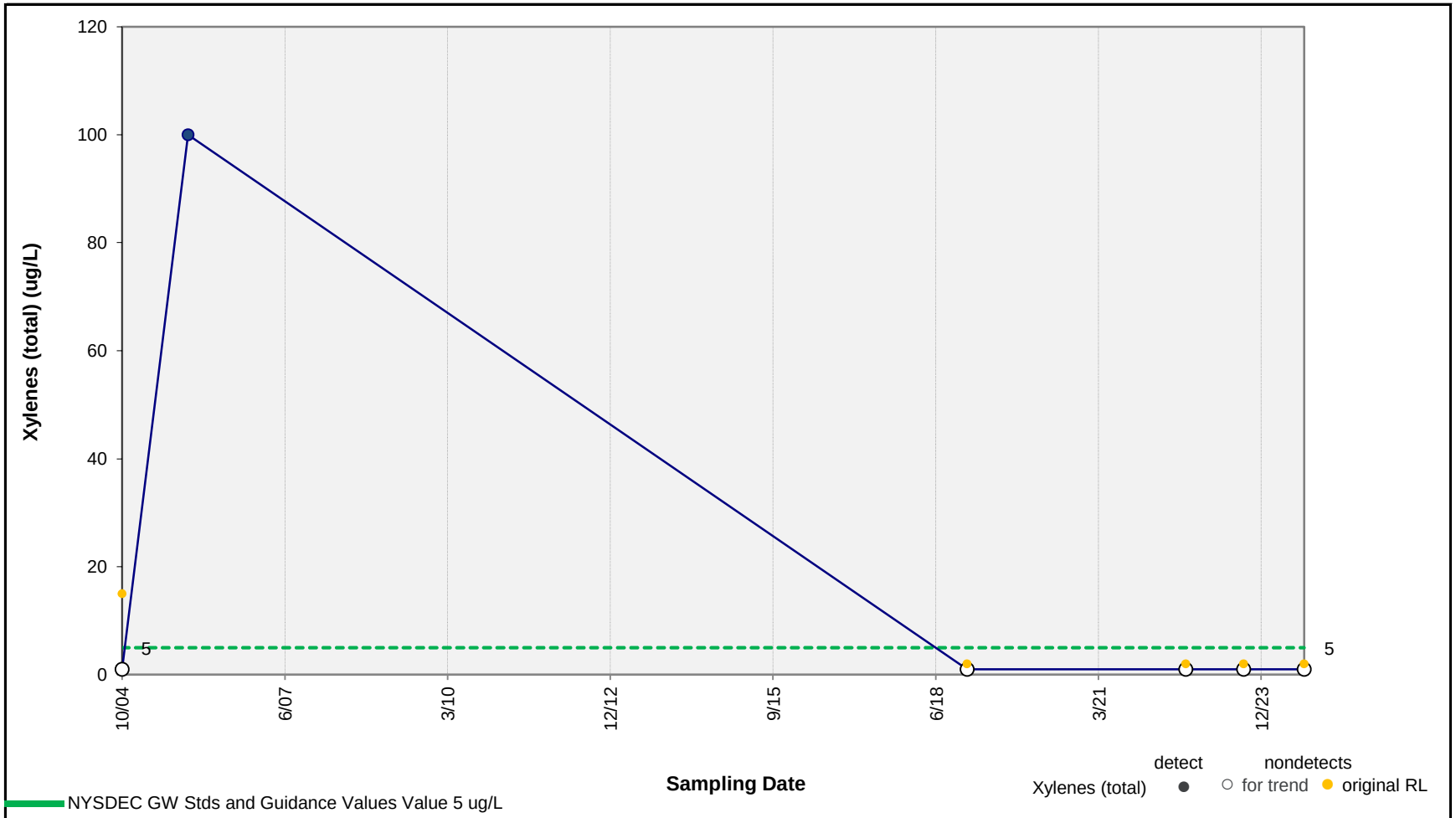
p value = 0.360 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well PZ24

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-134



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

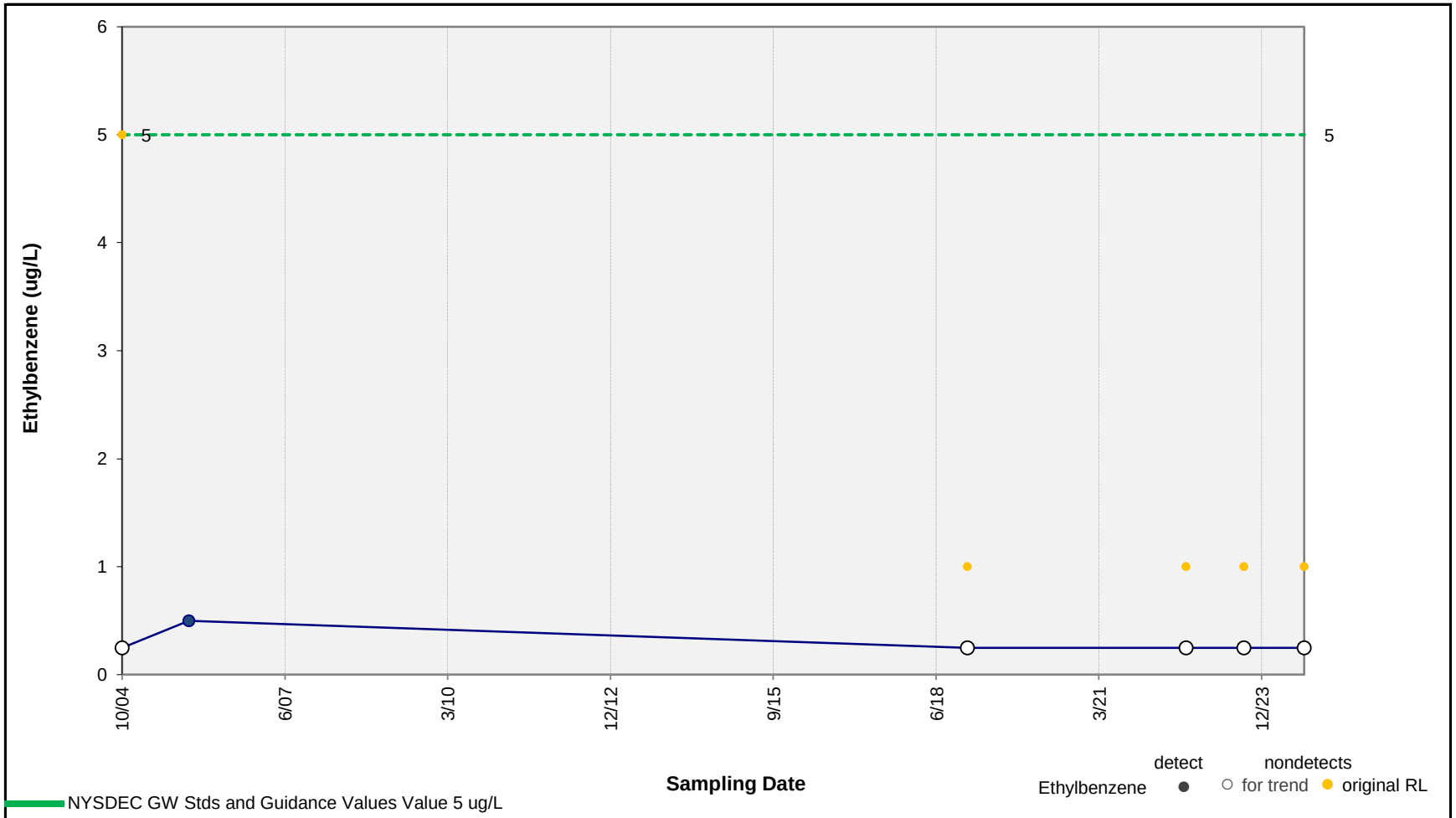
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well PZ24

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-135



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

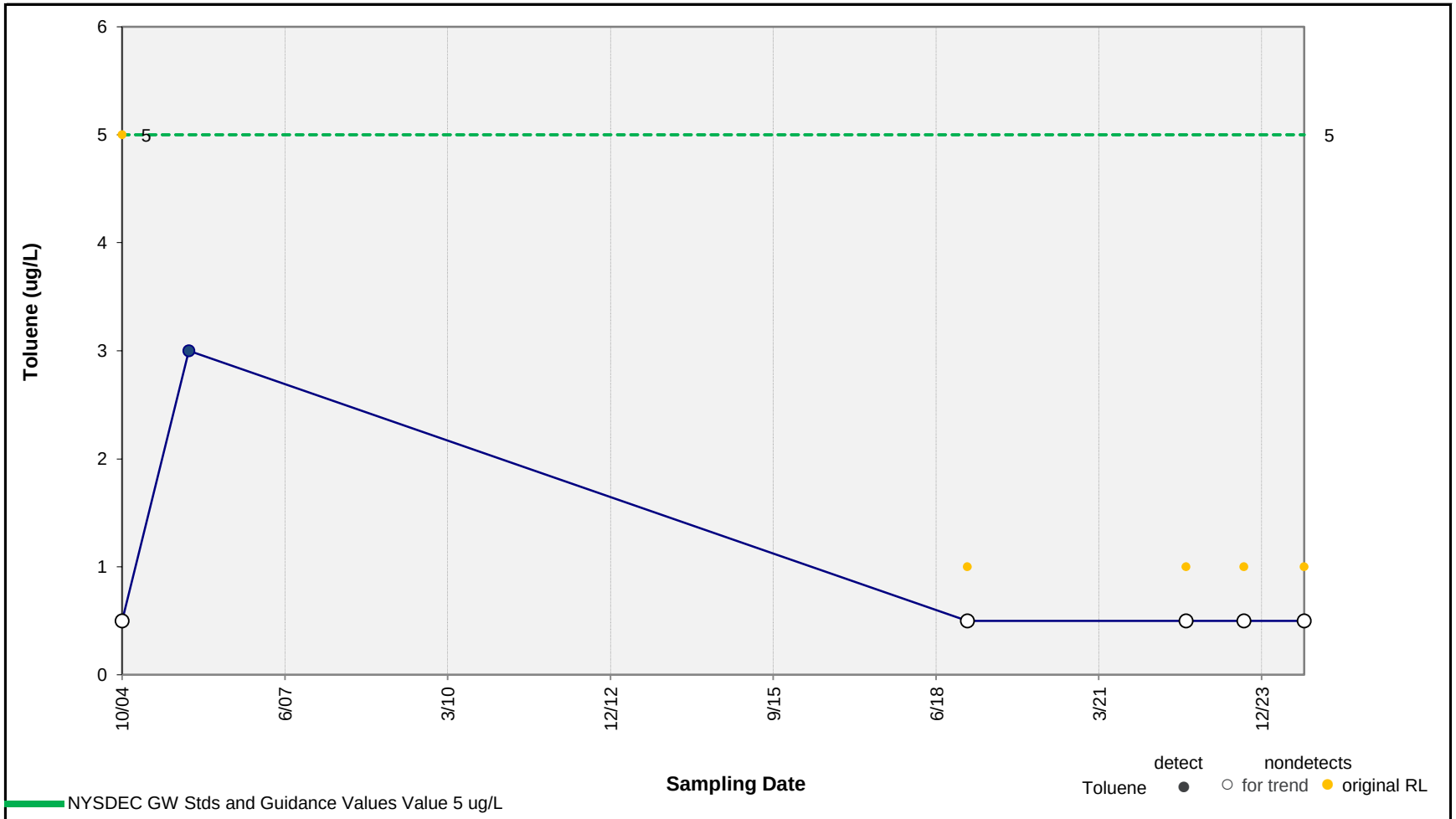
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well PZ29

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-136



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

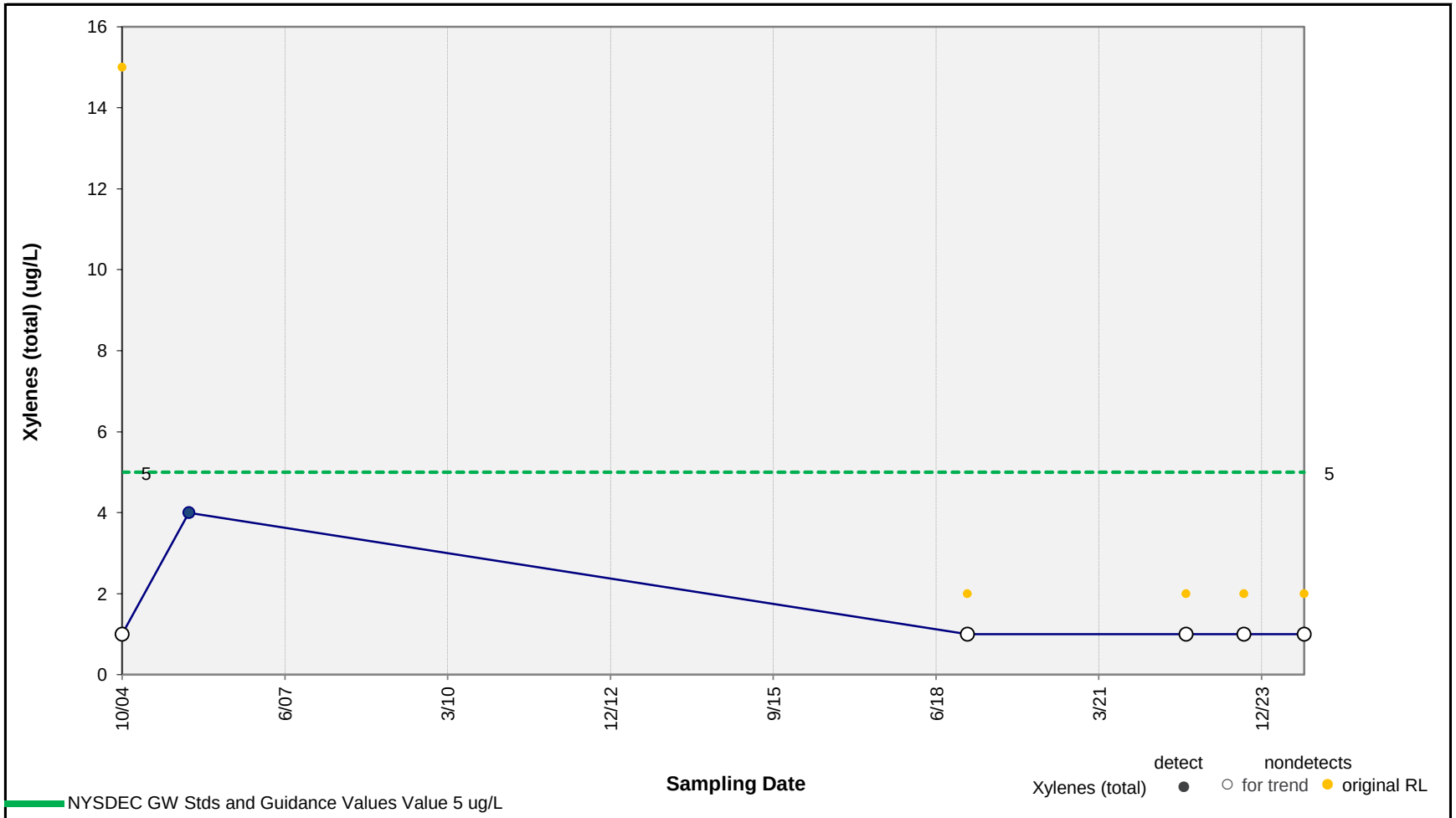
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Toluene in Well PZ29

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-137



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

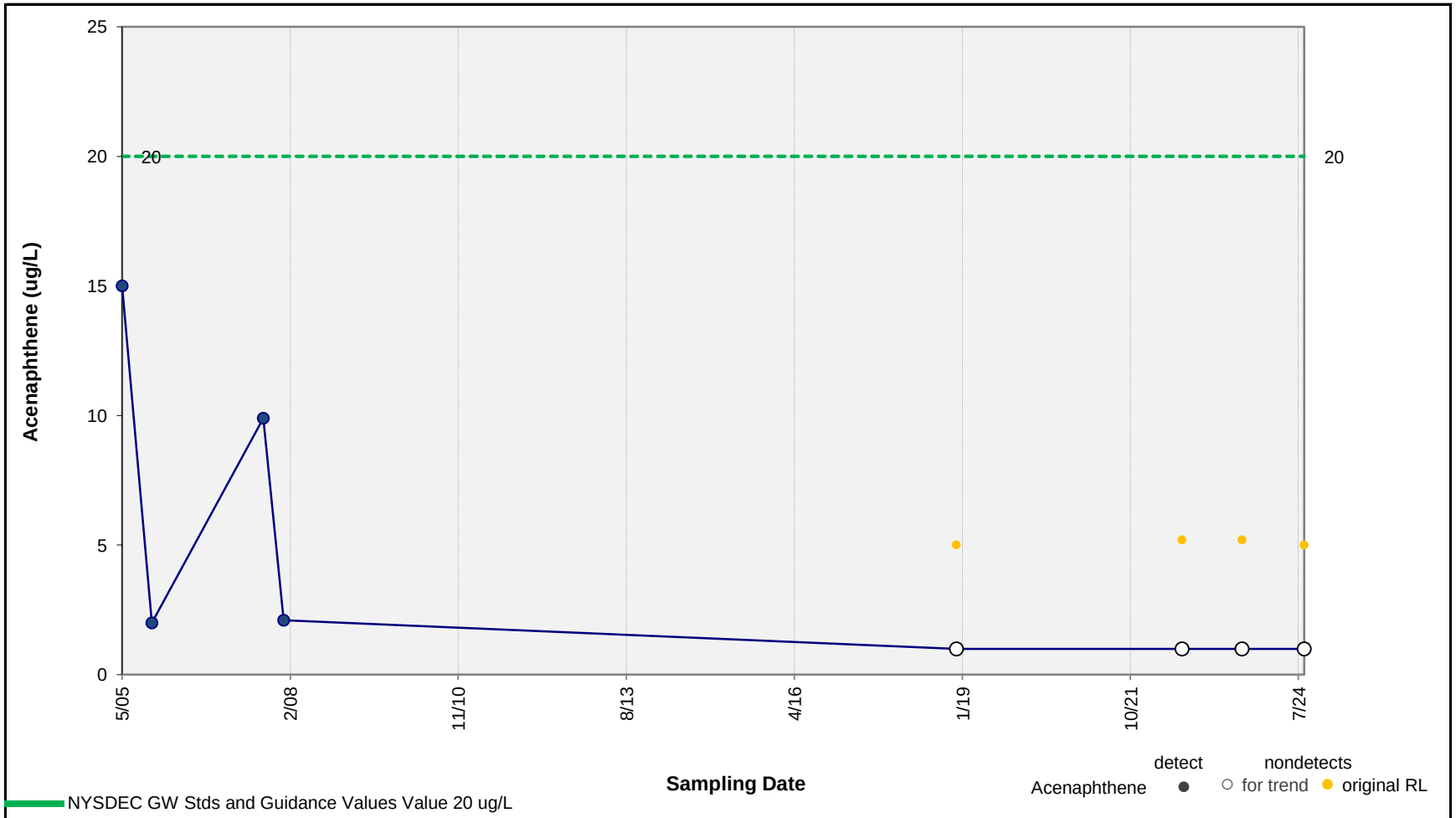
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well PZ29

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-138



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

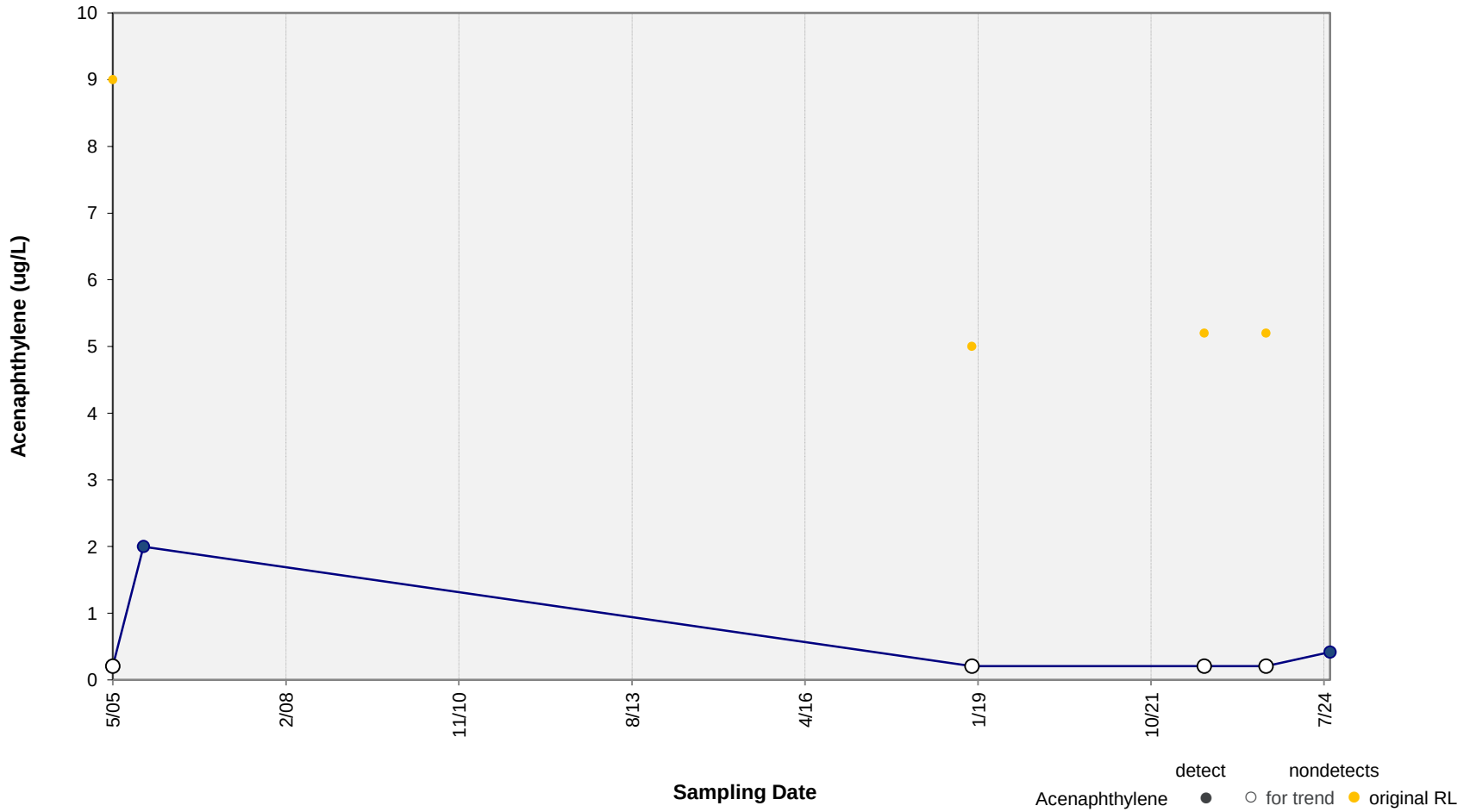
p value = 0.016 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-139



Results of Mann-Kendall Test for Trend: **No Significant Trend**

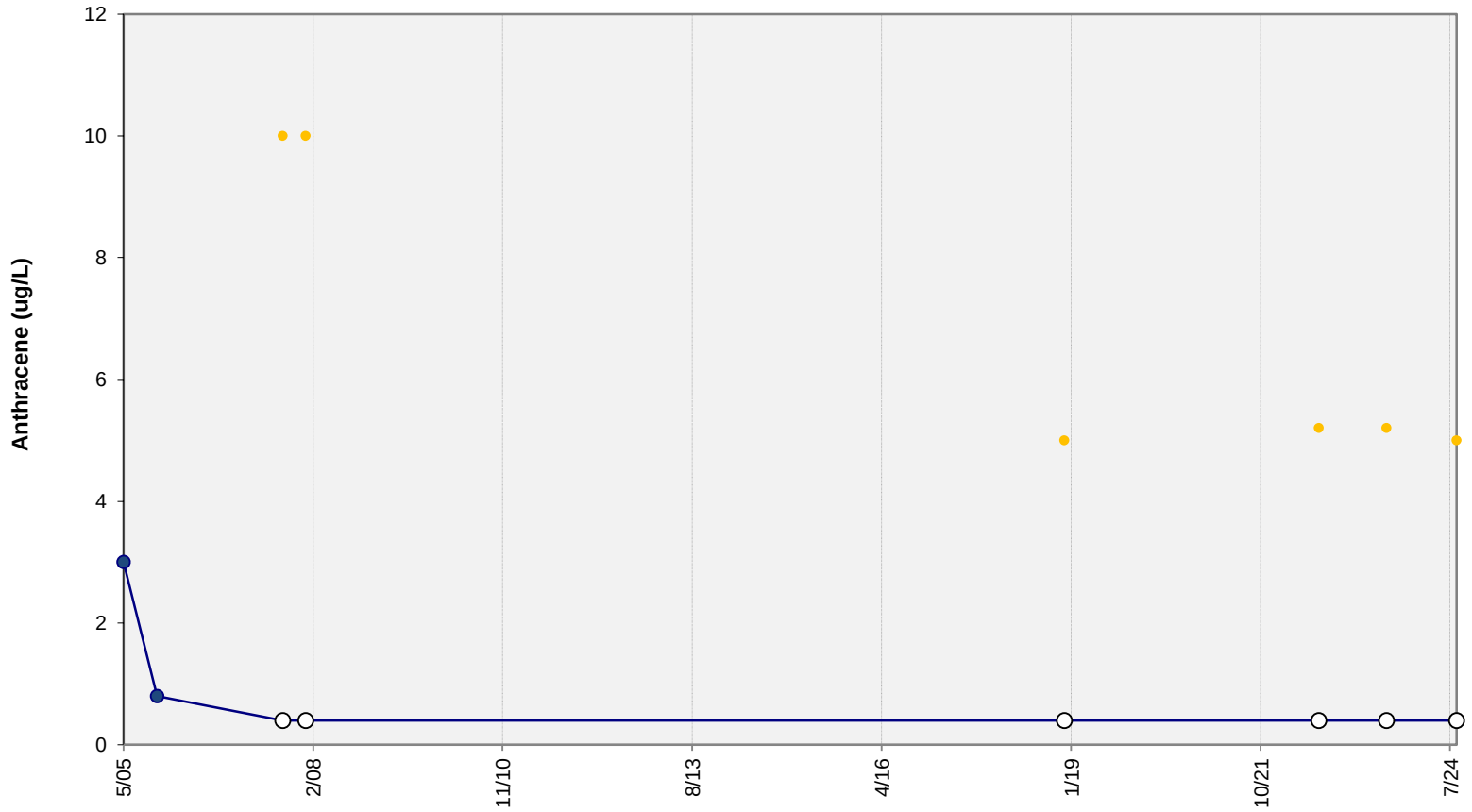
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthylene in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-140



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

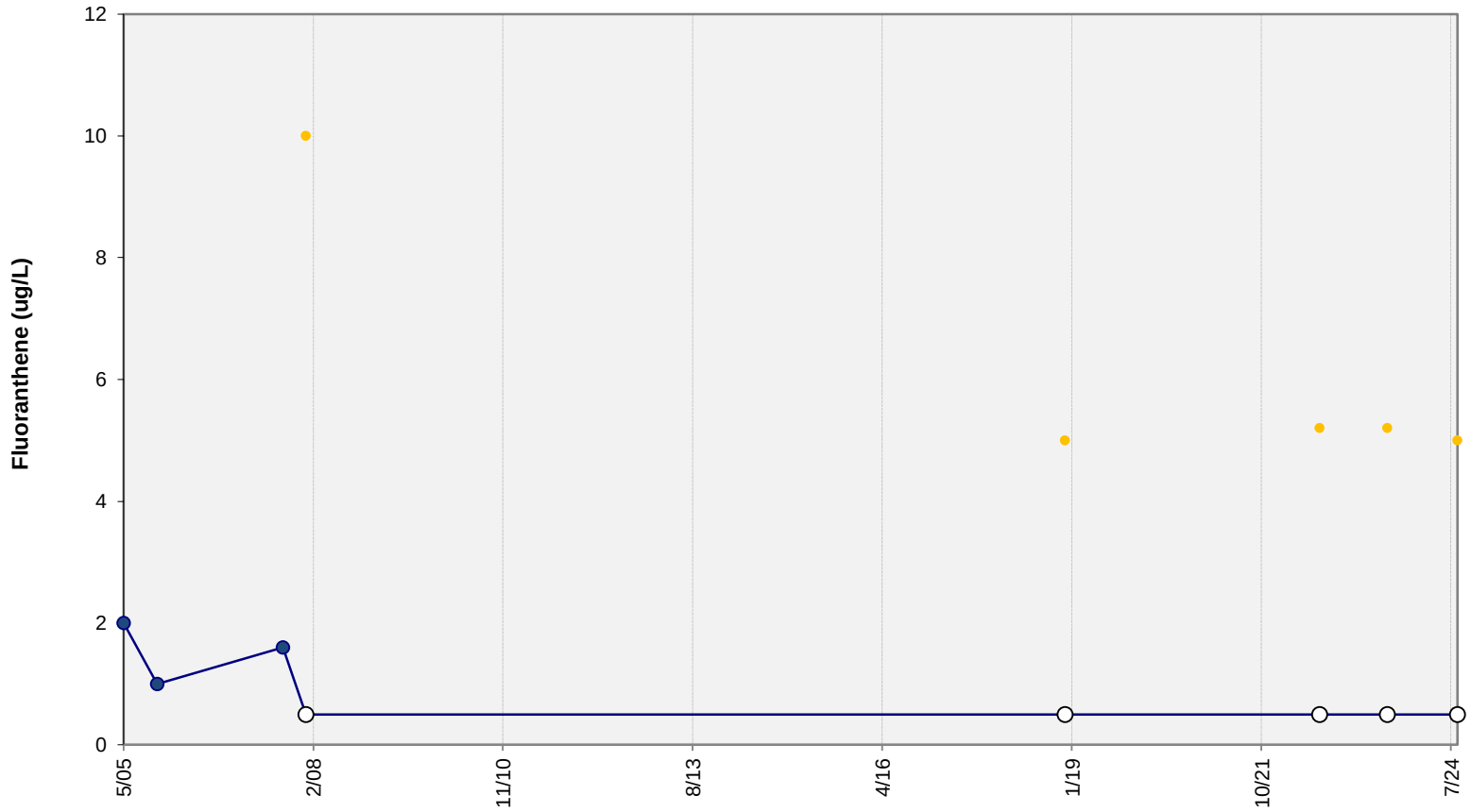
p value = 0.072 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Anthracene in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-141



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

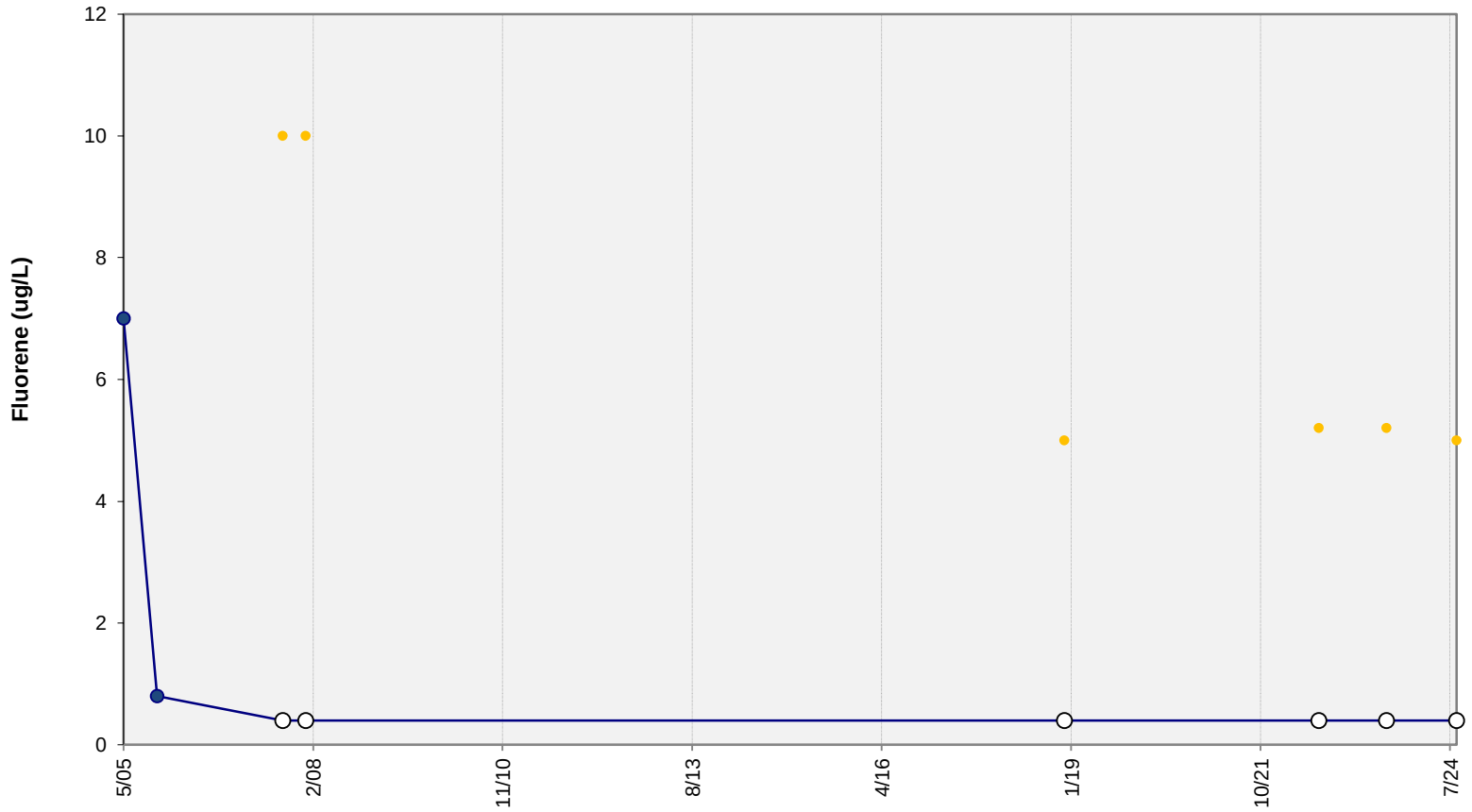
p value = 0.031 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-142



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **No Significant Trend**

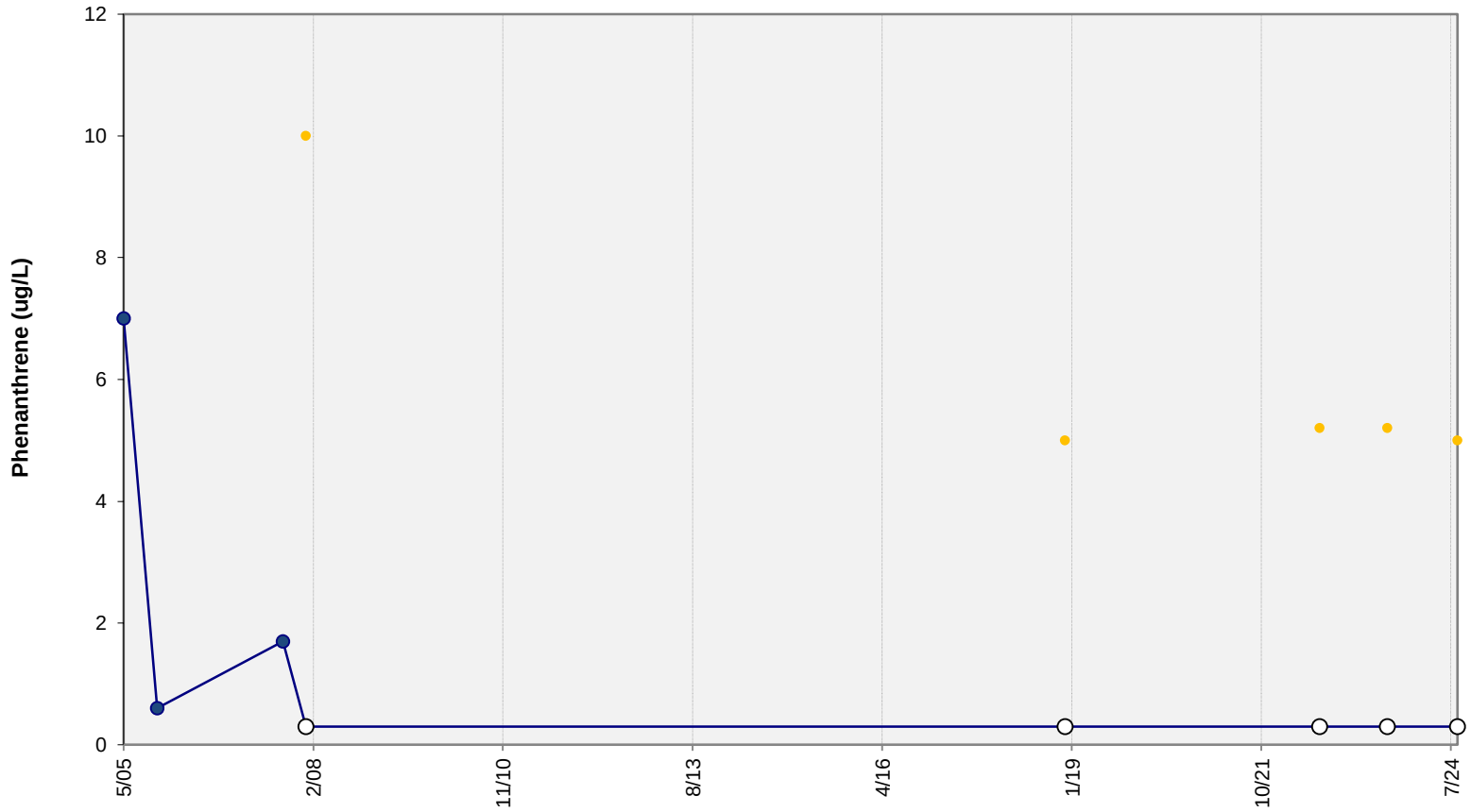
p value = 0.072 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluorene in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-143



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

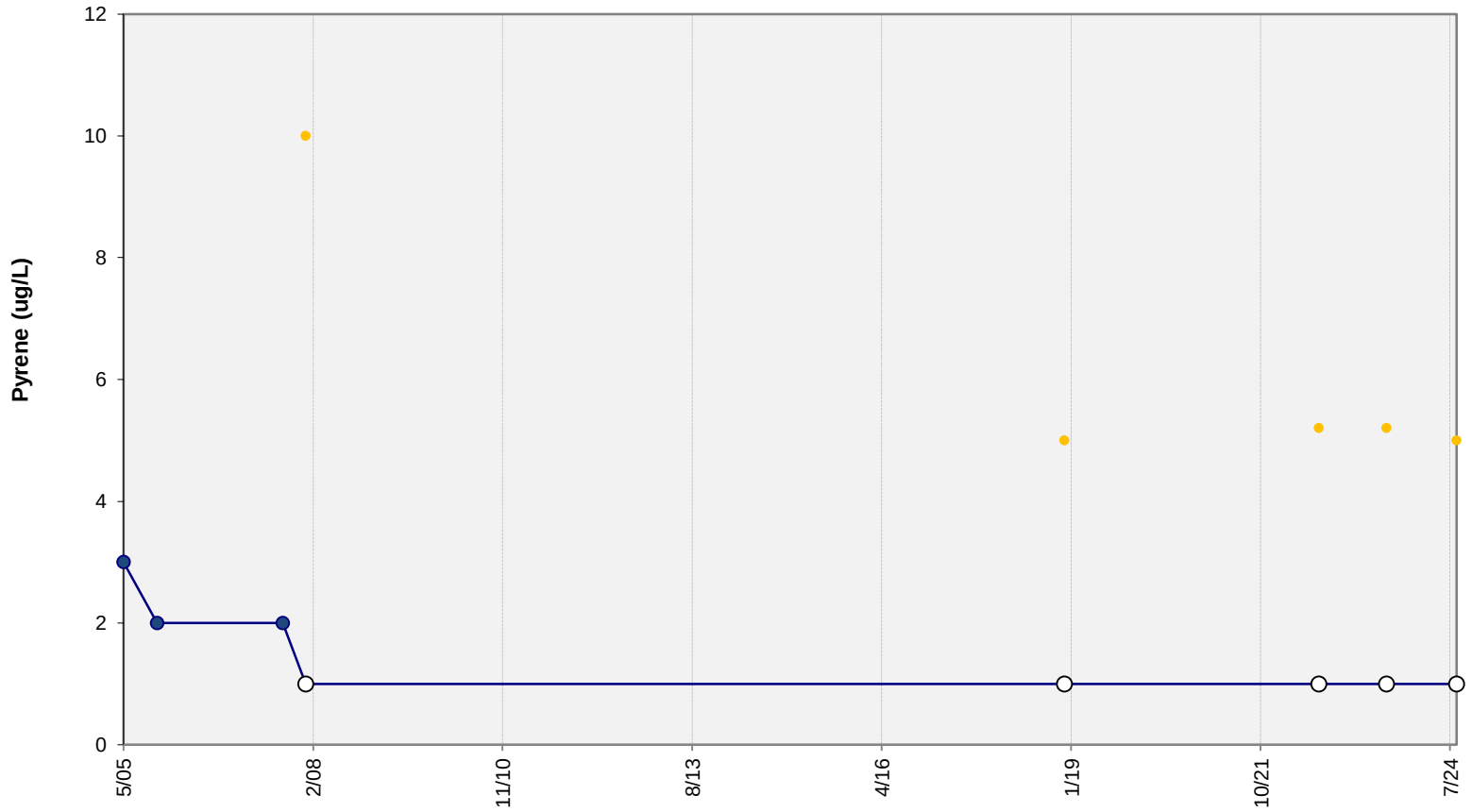
p value = 0.031 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-144



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

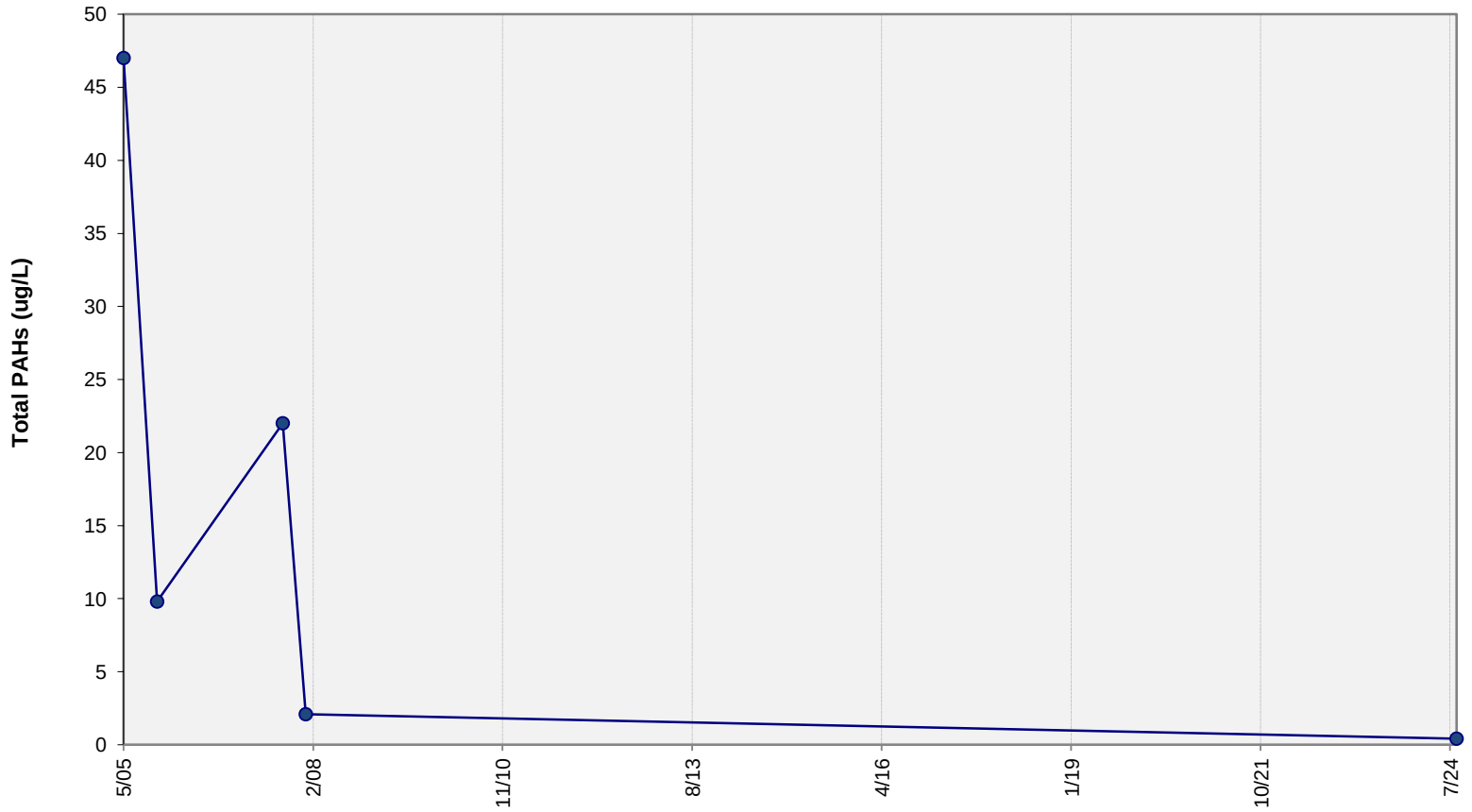
p value = 0.024 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-145



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

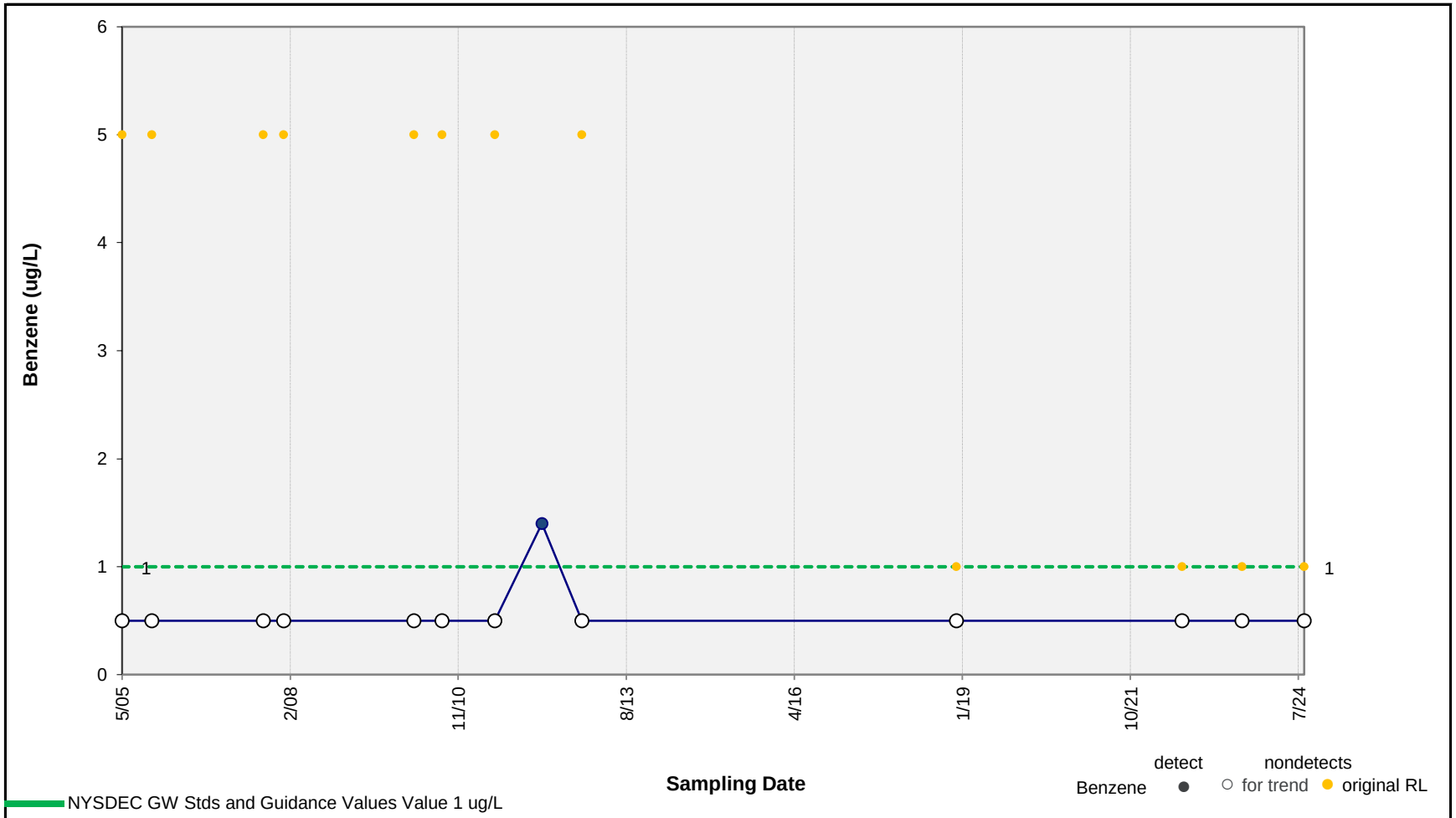
p value = 0.042 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total PAHs in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-146



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

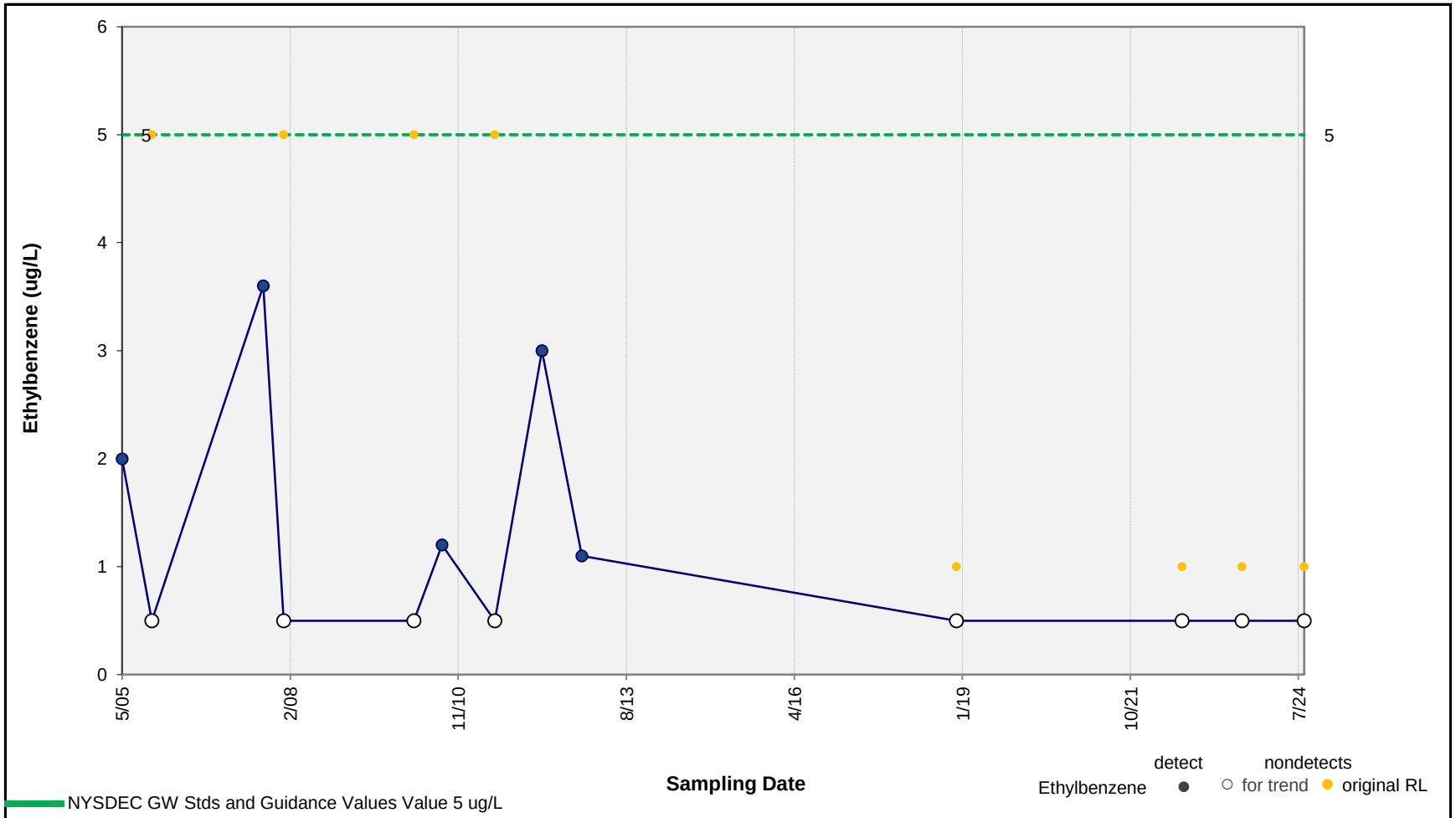
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-147



Results of Mann-Kendall Test for Trend: **No Significant Trend**

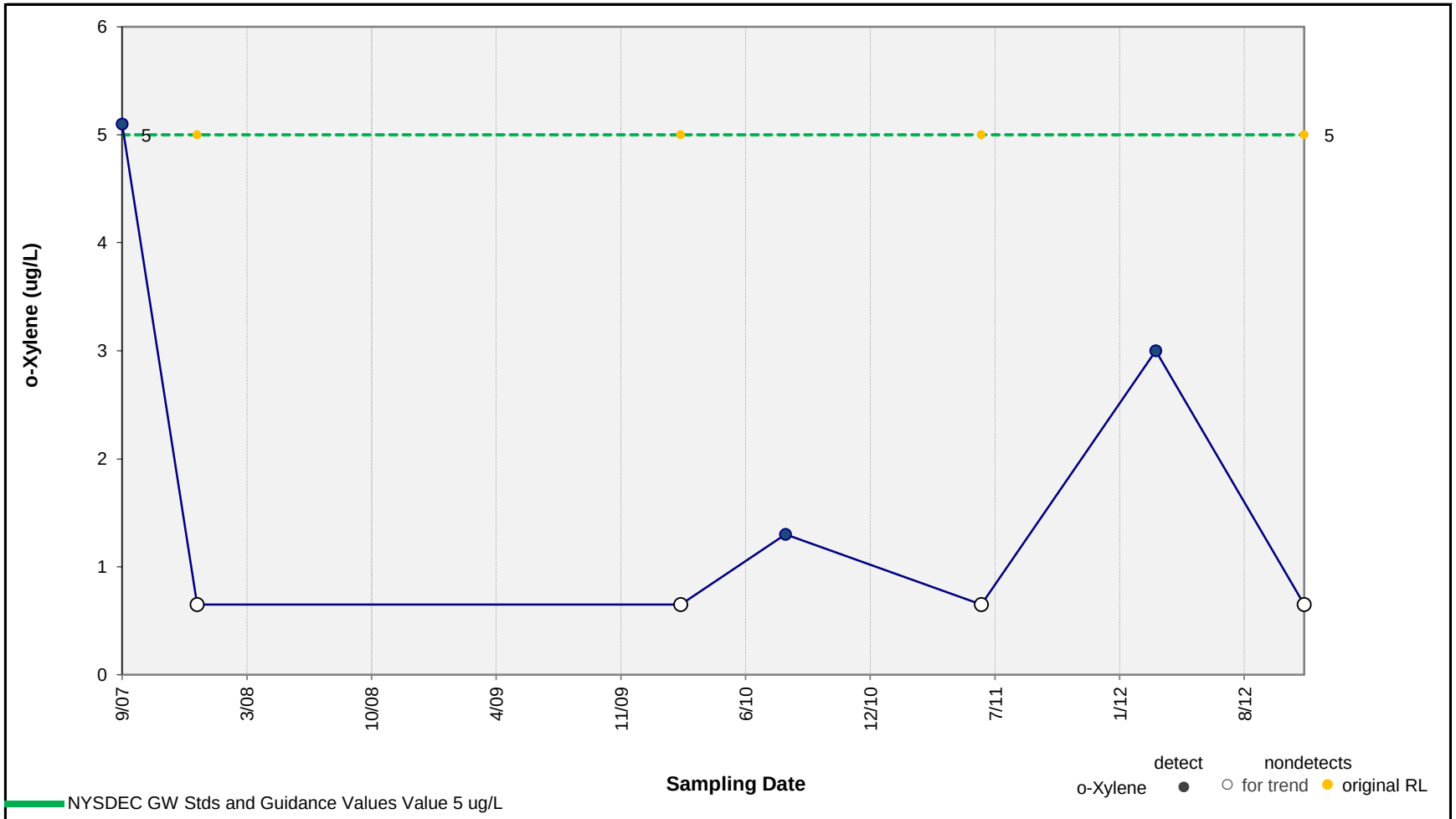
p value = 0.091 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-148



Results of Mann-Kendall Test for Trend: **No Significant Trend**

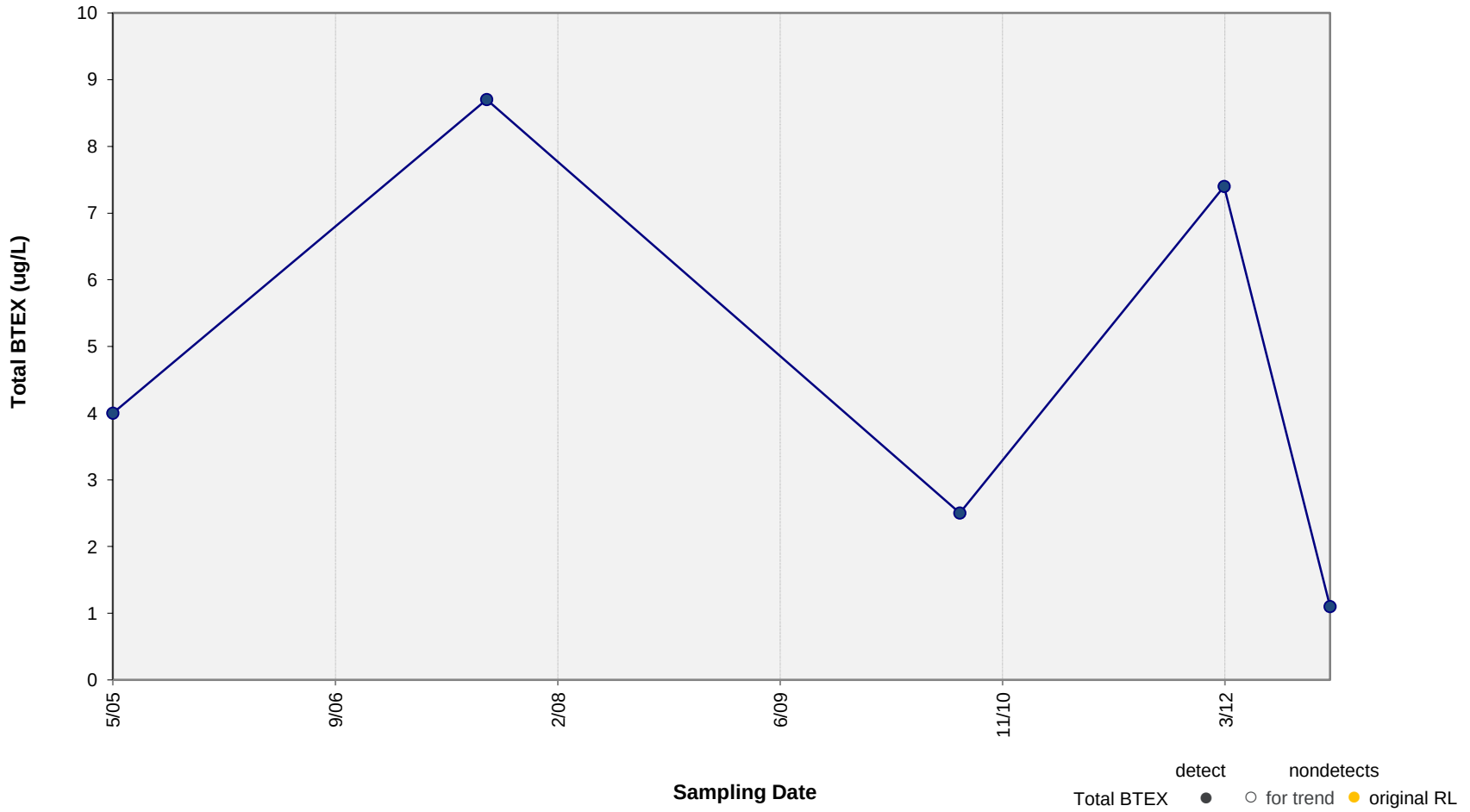
p value = 0.386 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – o-Xylene in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-149



Results of Mann-Kendall Test for Trend: **No Significant Trend**

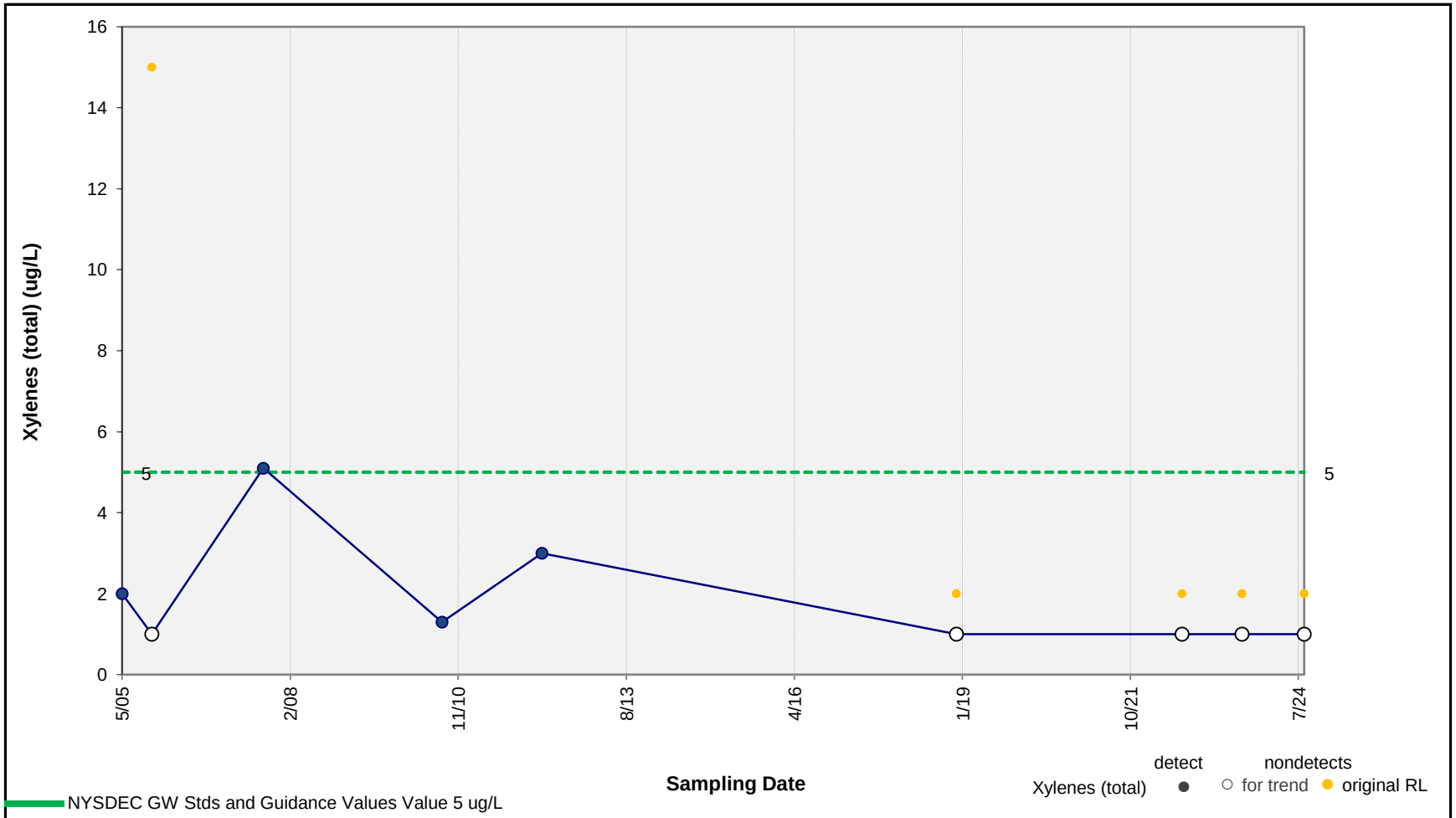
p value = 0.242 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-150



Results of Mann-Kendall Test for Trend: **No Significant Trend**

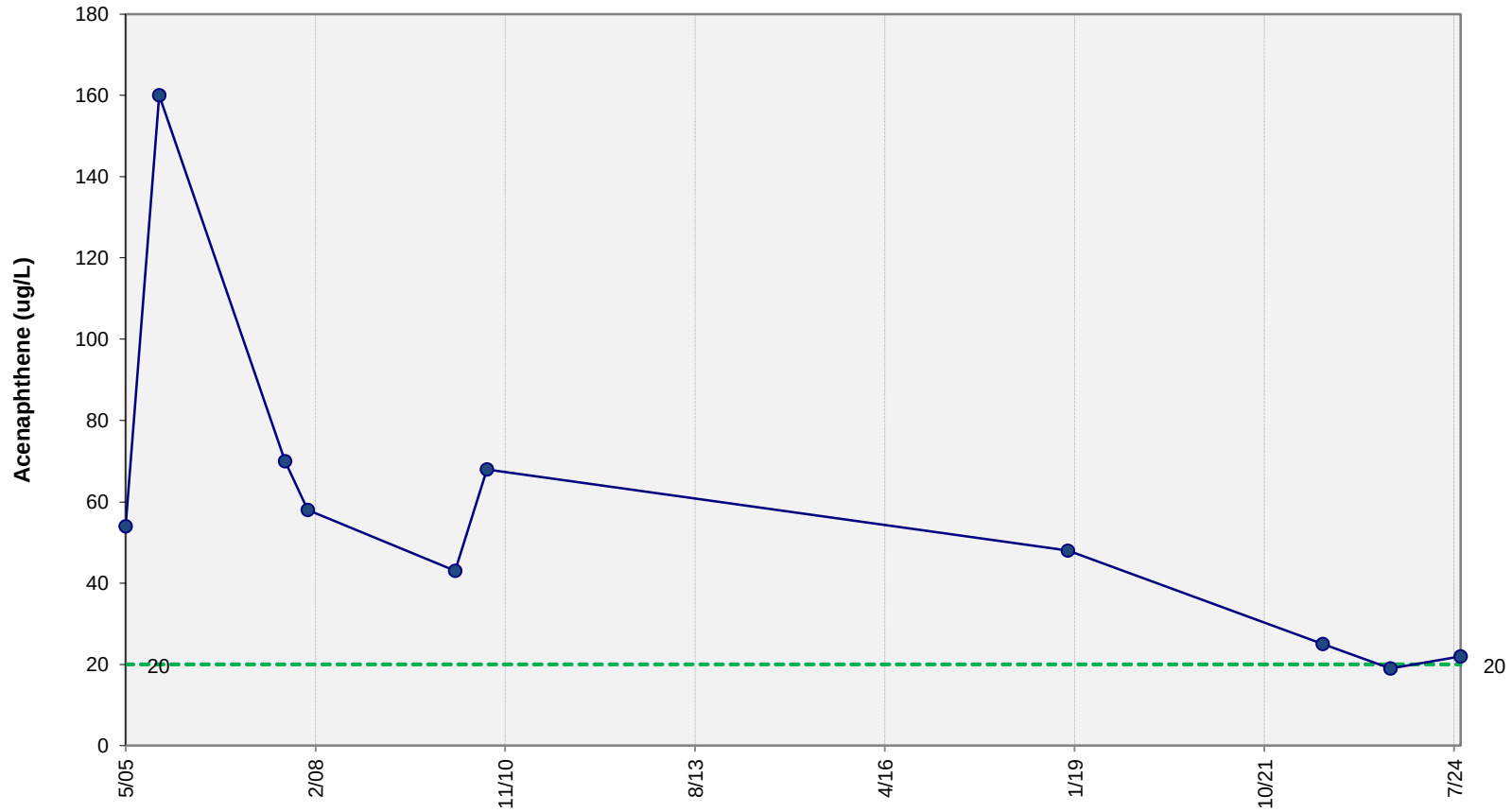
p value = 0.090 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well PZ32

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-151



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

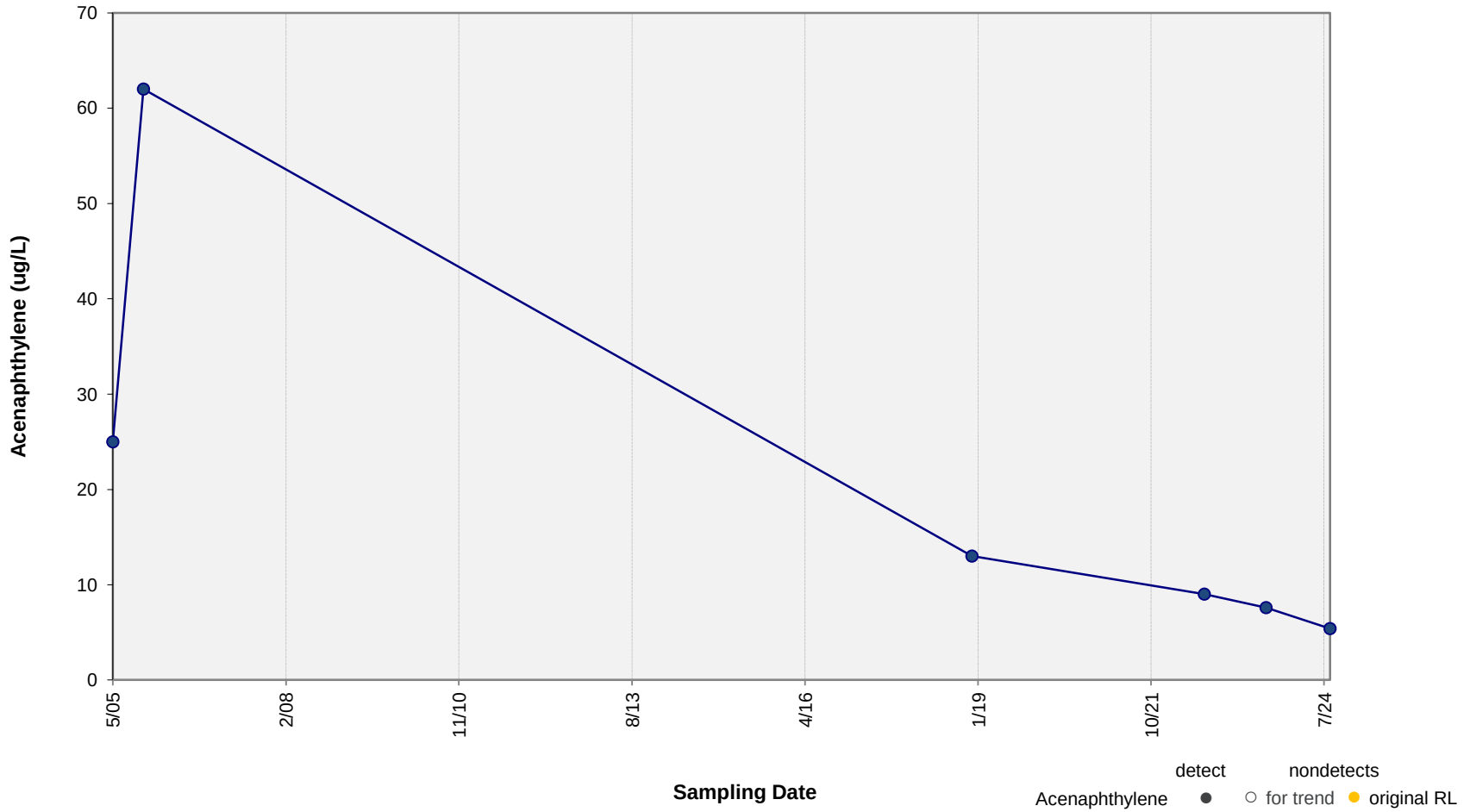
p value = 0.005 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-152



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

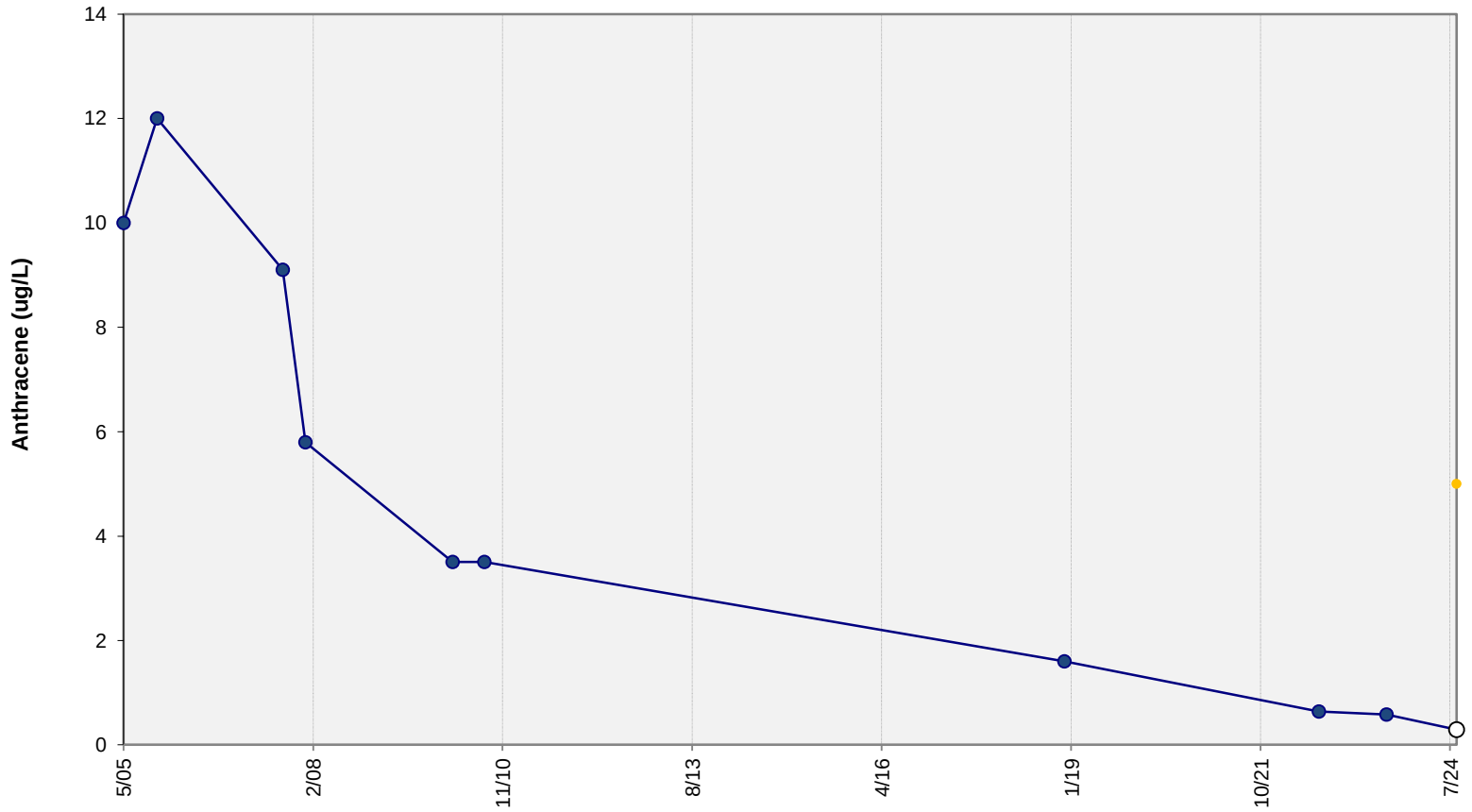
p value = 0.008 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Acenaphthylene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-153



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

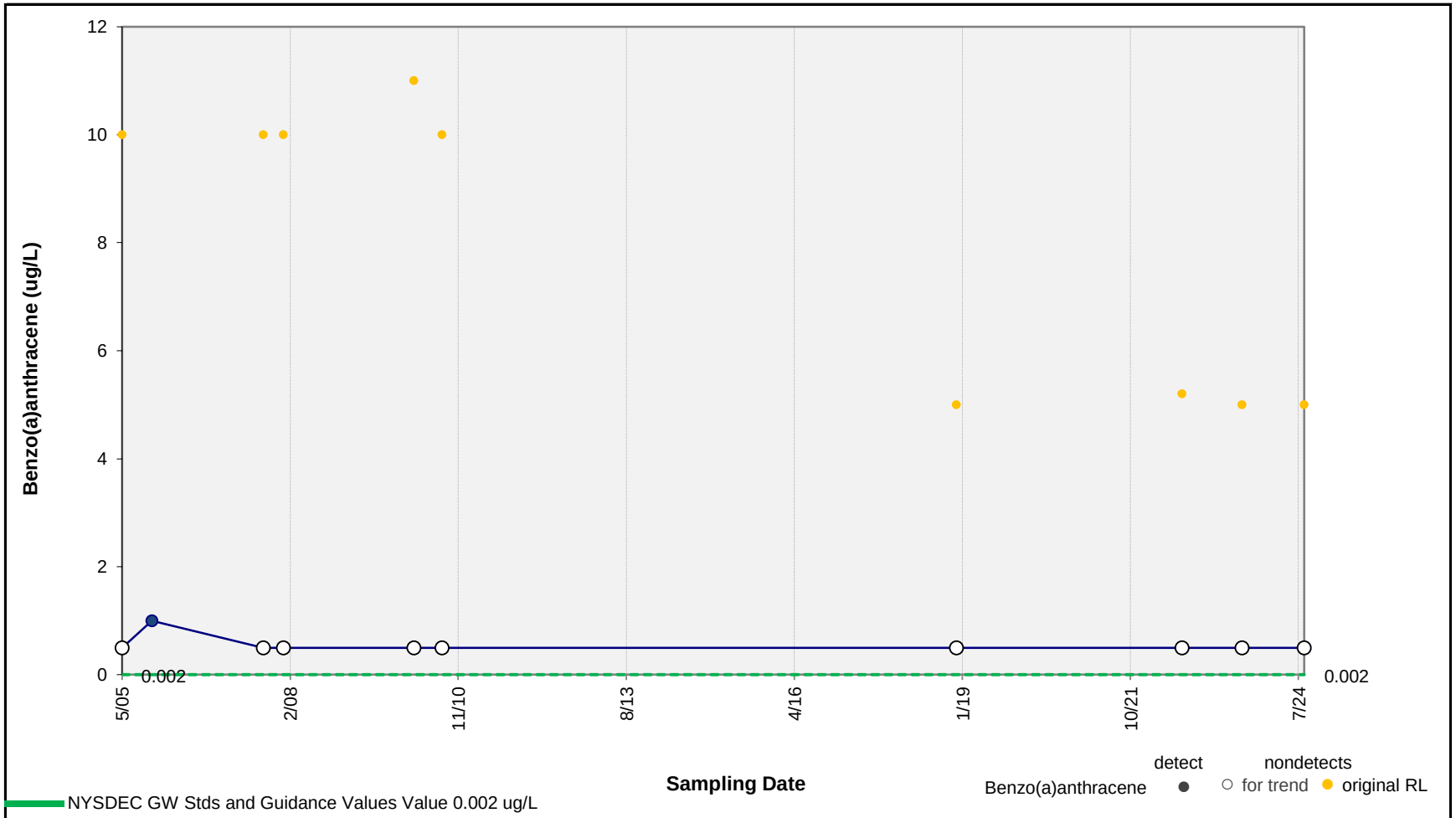
p value = <0.001 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Anthracene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-154



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

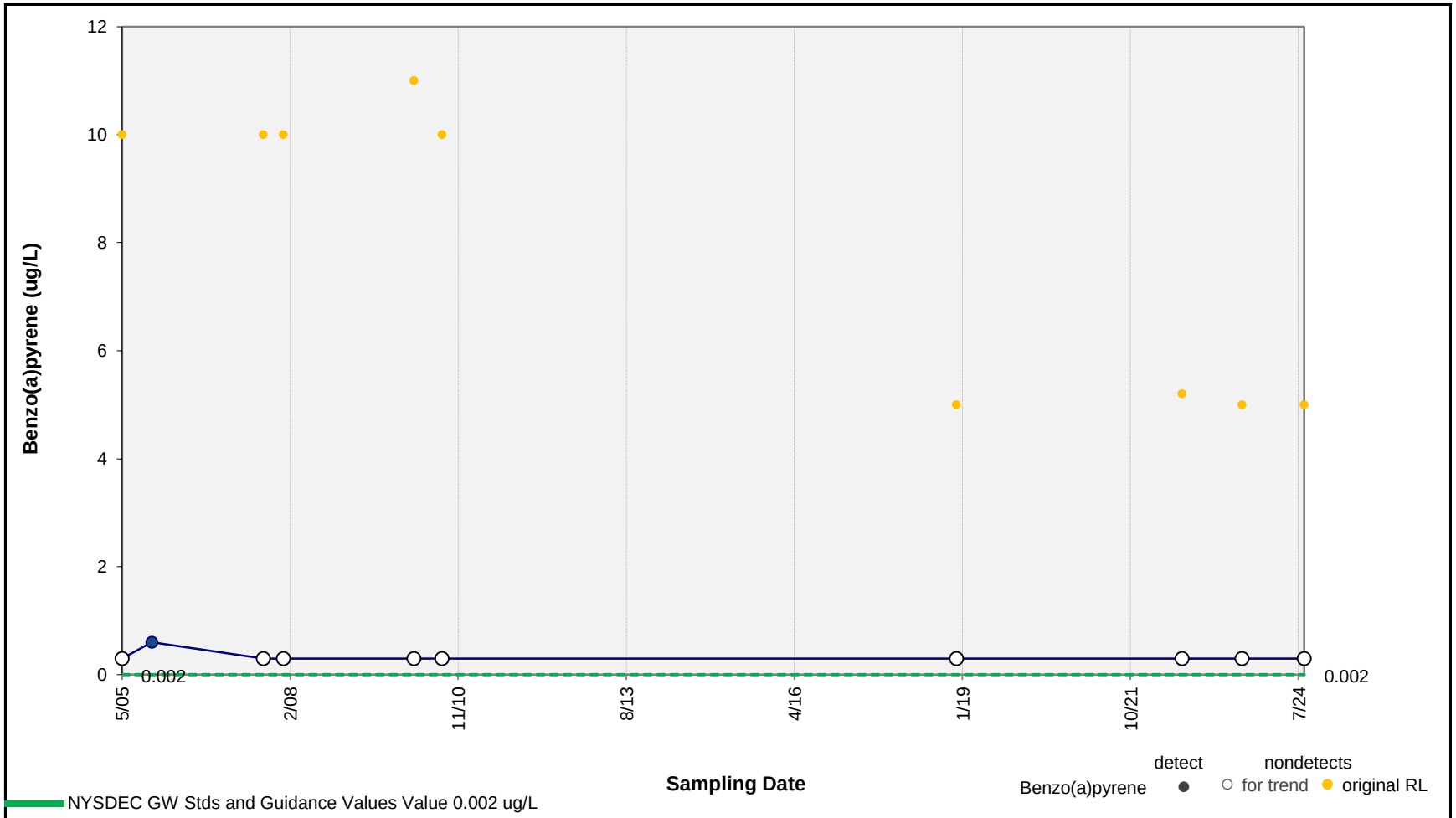
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(a)anthracene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-155



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

p value = --

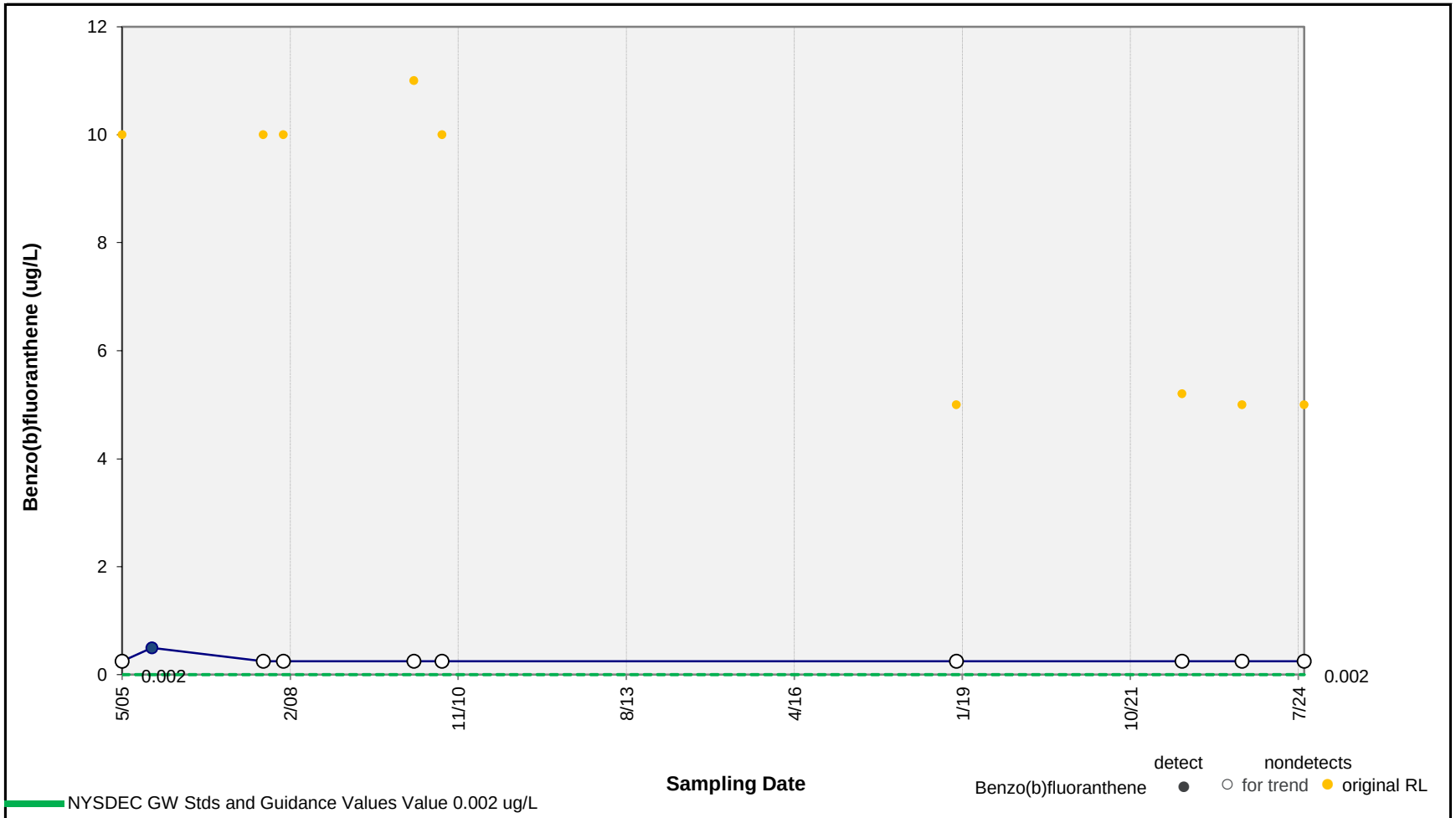
Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(a)pyrene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-156



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

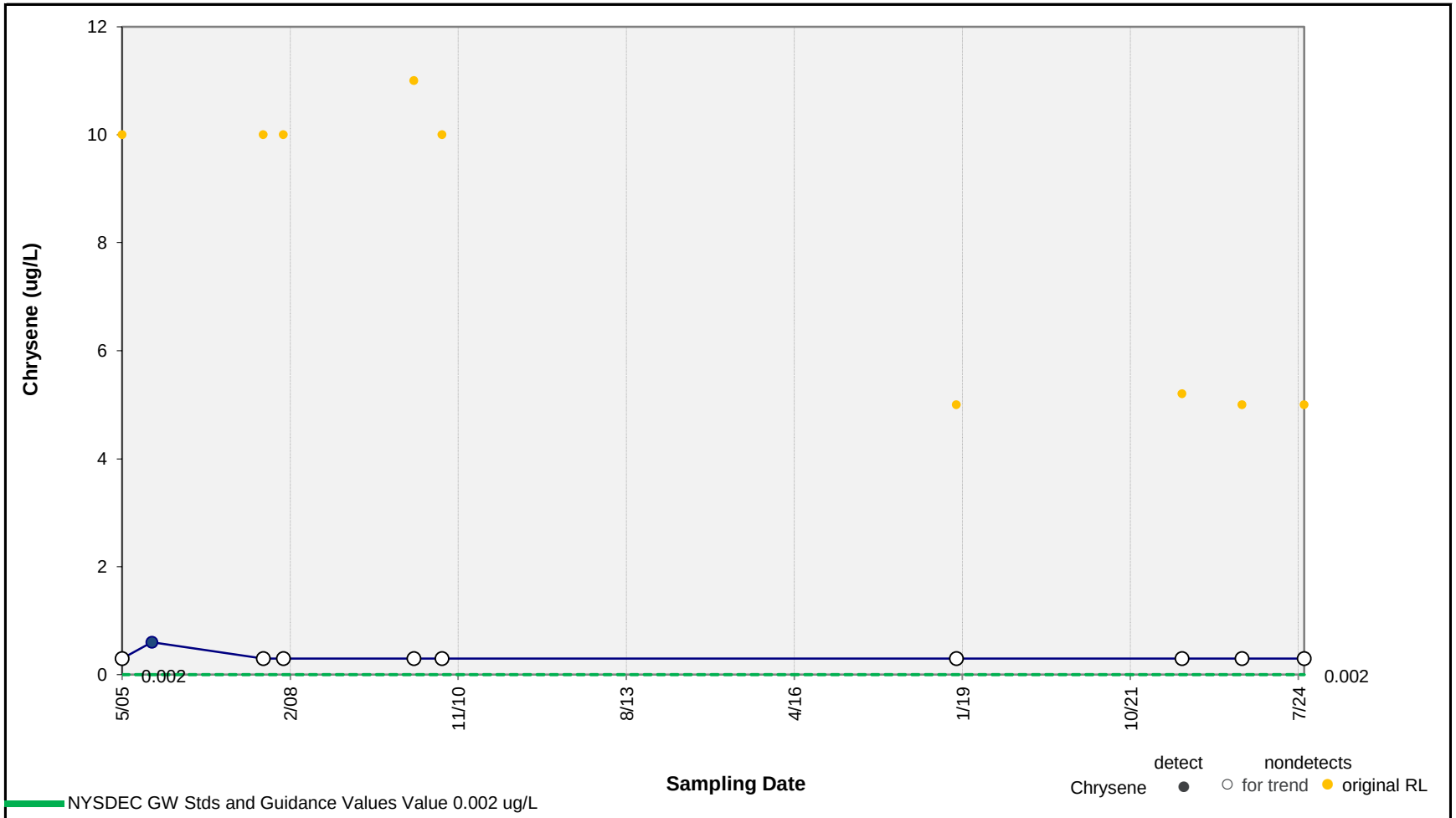
p value = -- Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzo(b)fluoranthene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-157



Results of Mann-Kendall Test for Trend: **Not Analyzed (Frequency of Detection < 25%)**

p value = --

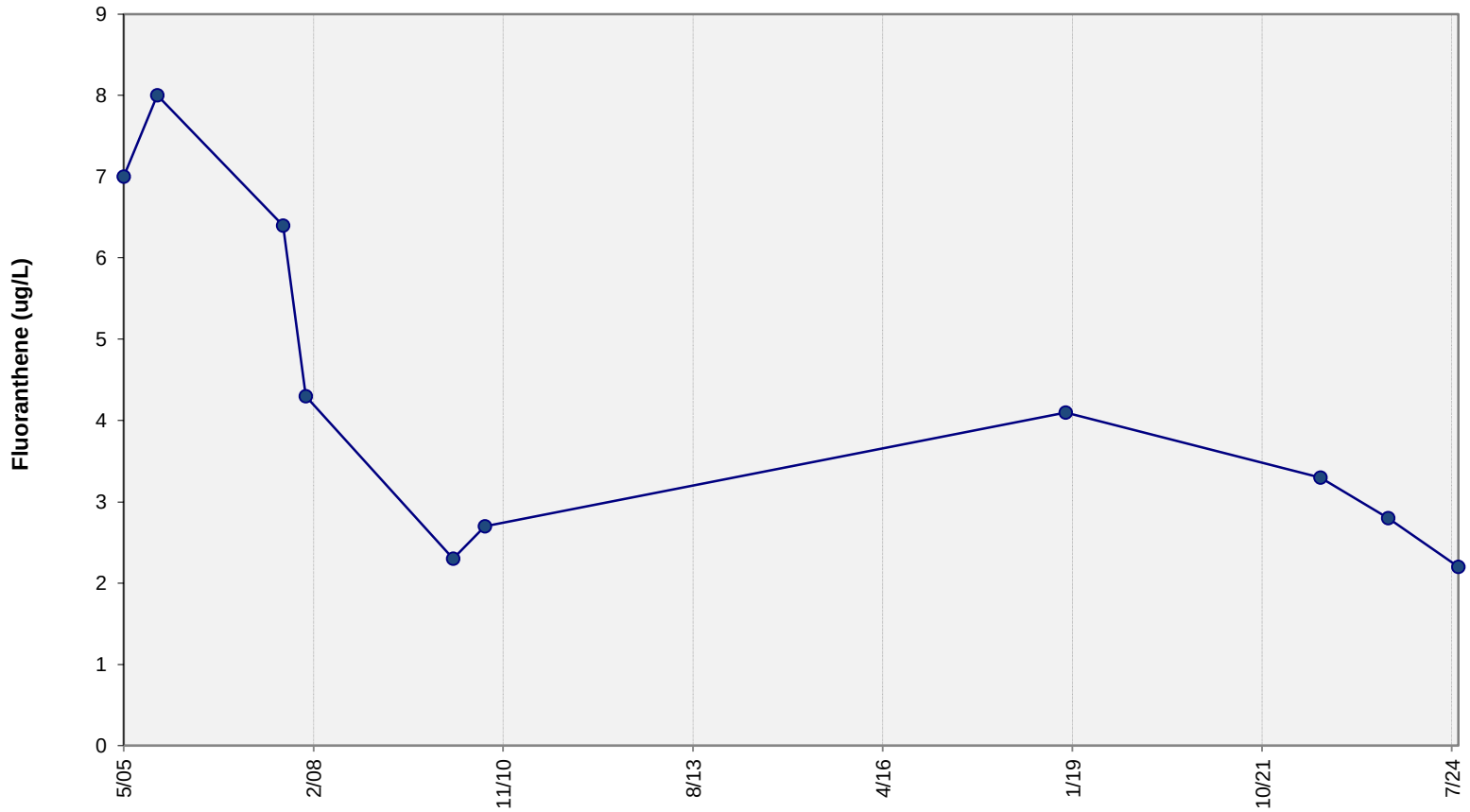
Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Chrysene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-158



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

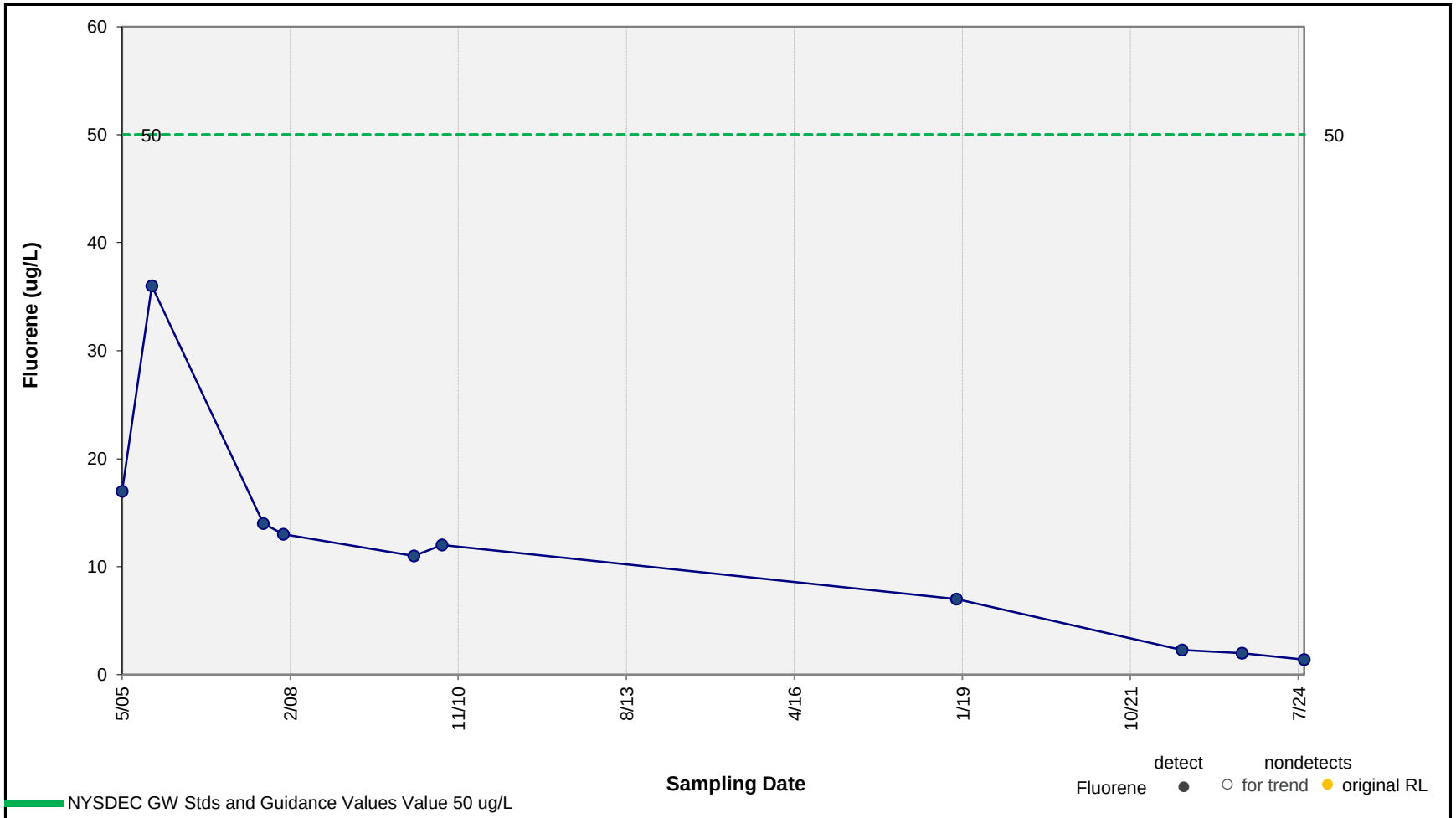
p value = 0.005 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluoranthene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-159



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

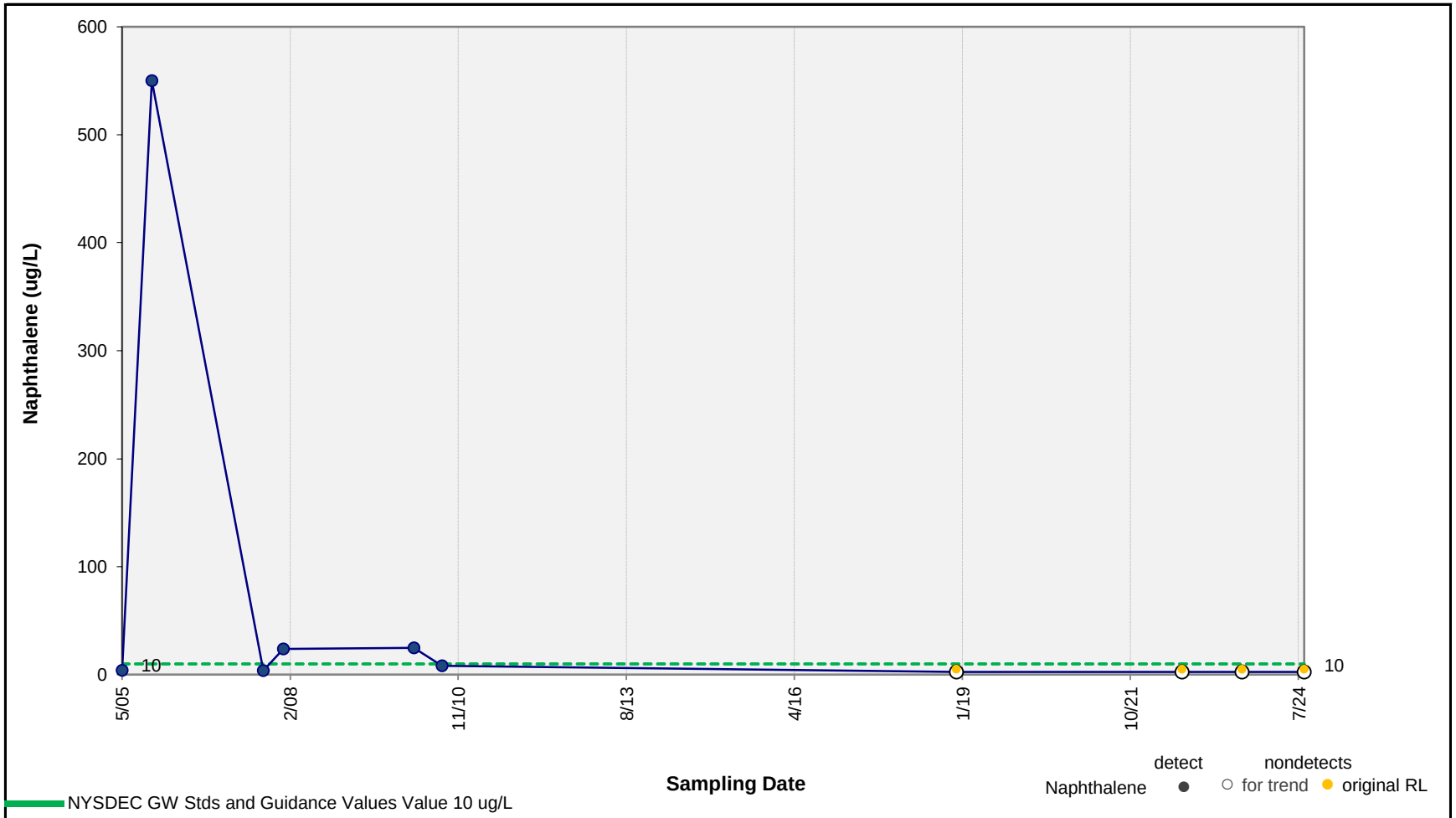
p value = <0.001 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Fluorene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-160



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

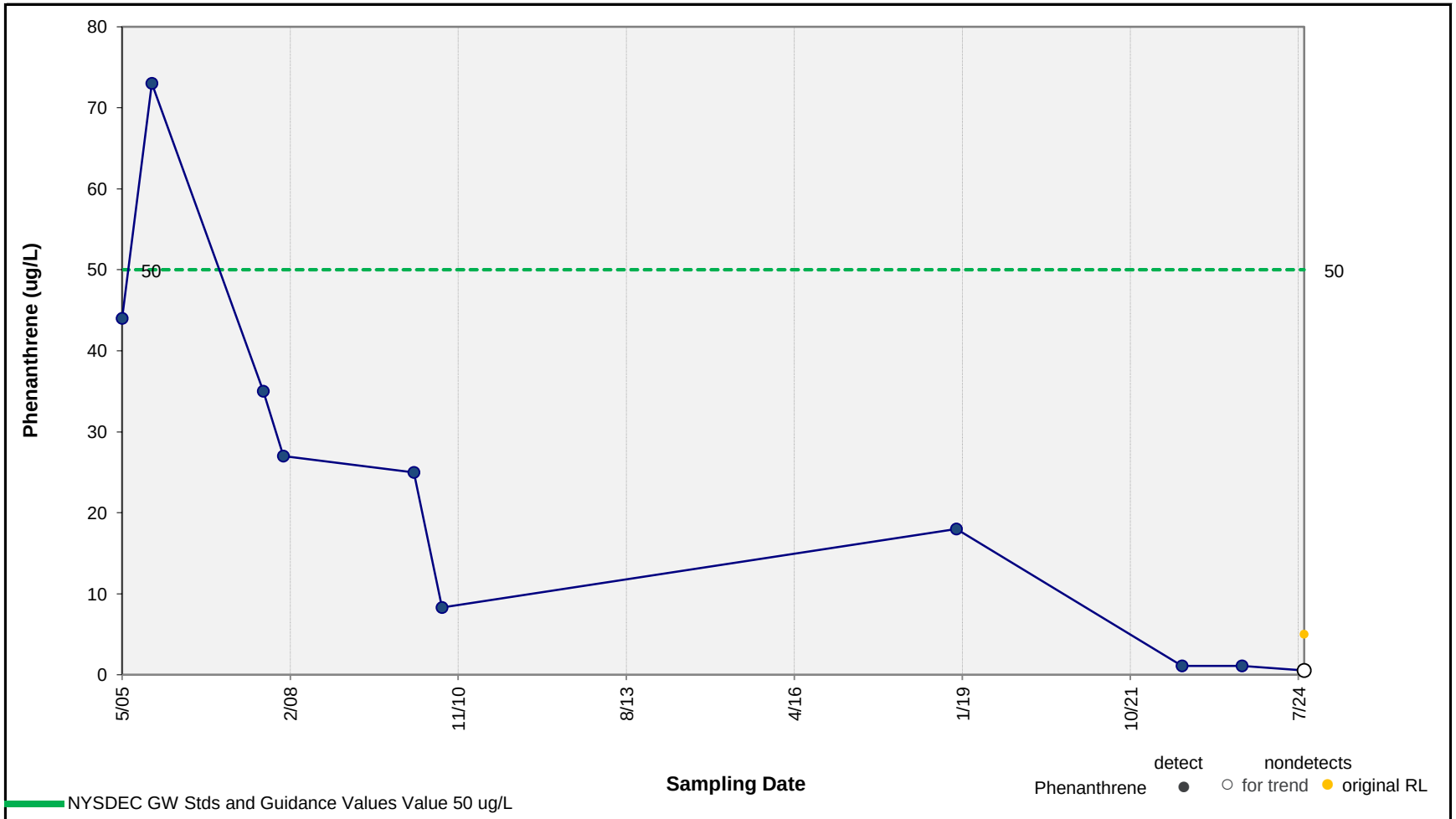
p value = 0.023 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Naphthalene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-161



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

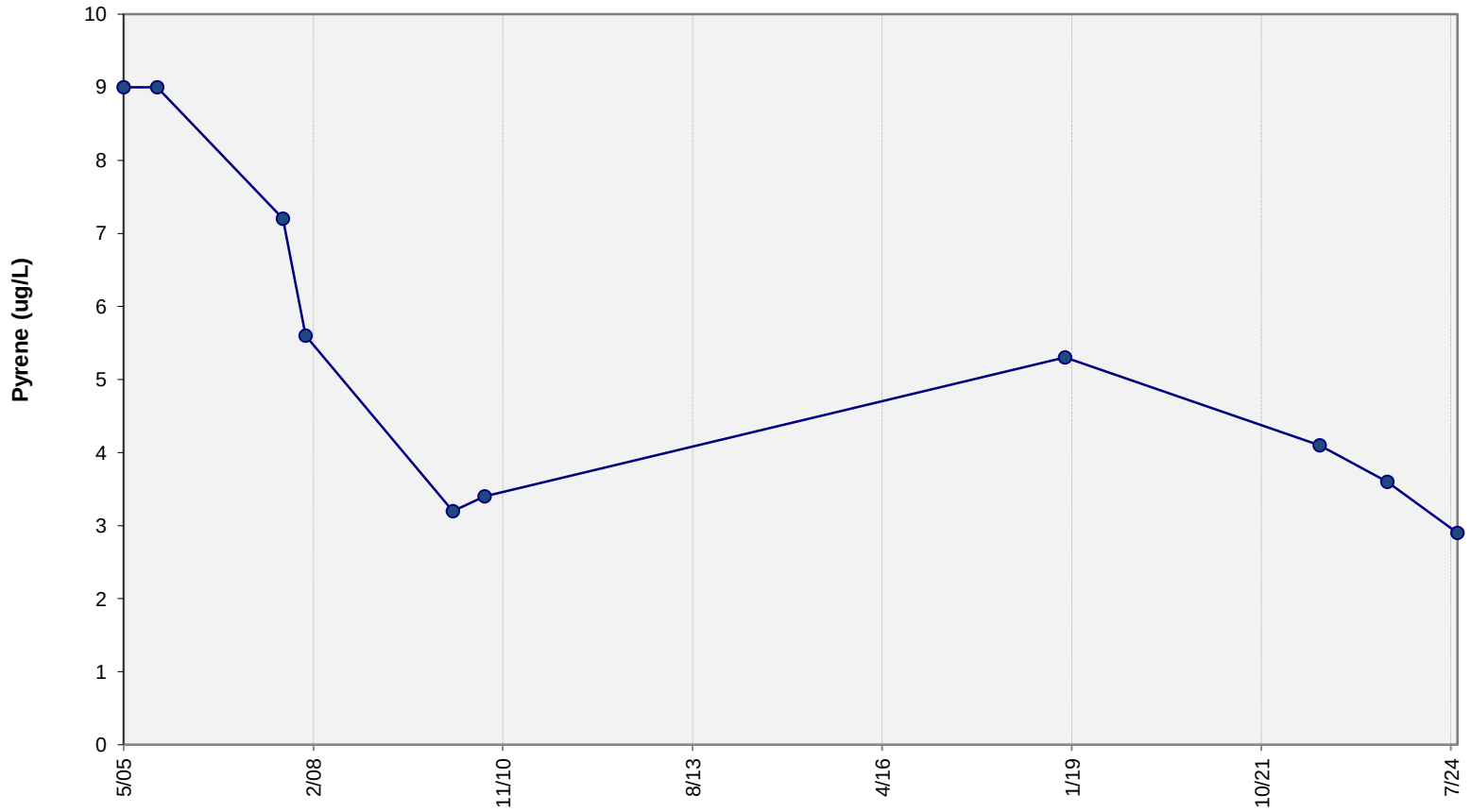
p value = <0.001 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Phenanthrene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-162



NYSDEC GW Stds and Guidance Values criteria value of 50 is off-scale.

Results of Mann-Kendall Test for Trend: **DECREASING TREND**

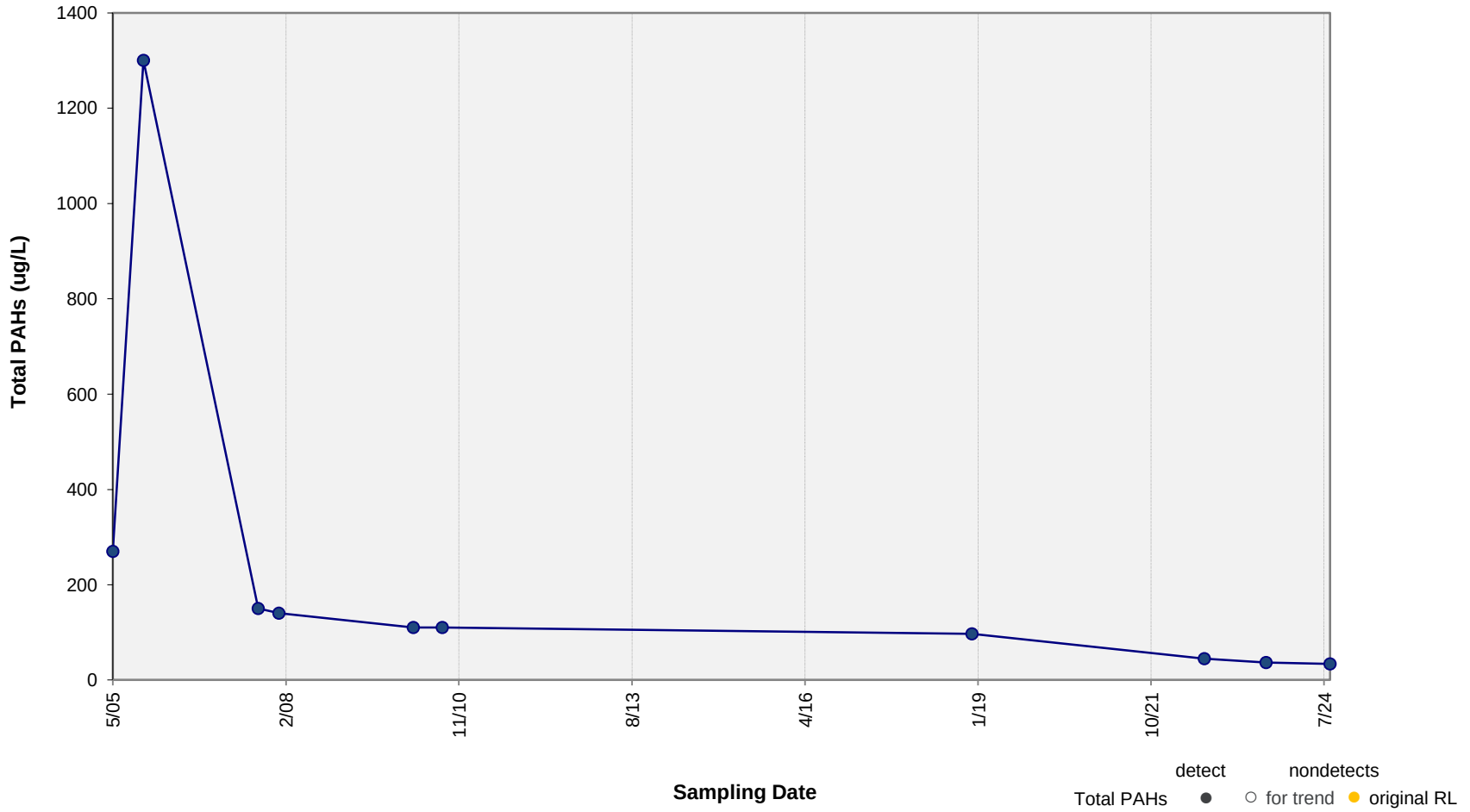
p value = 0.004 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Pyrene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-163



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

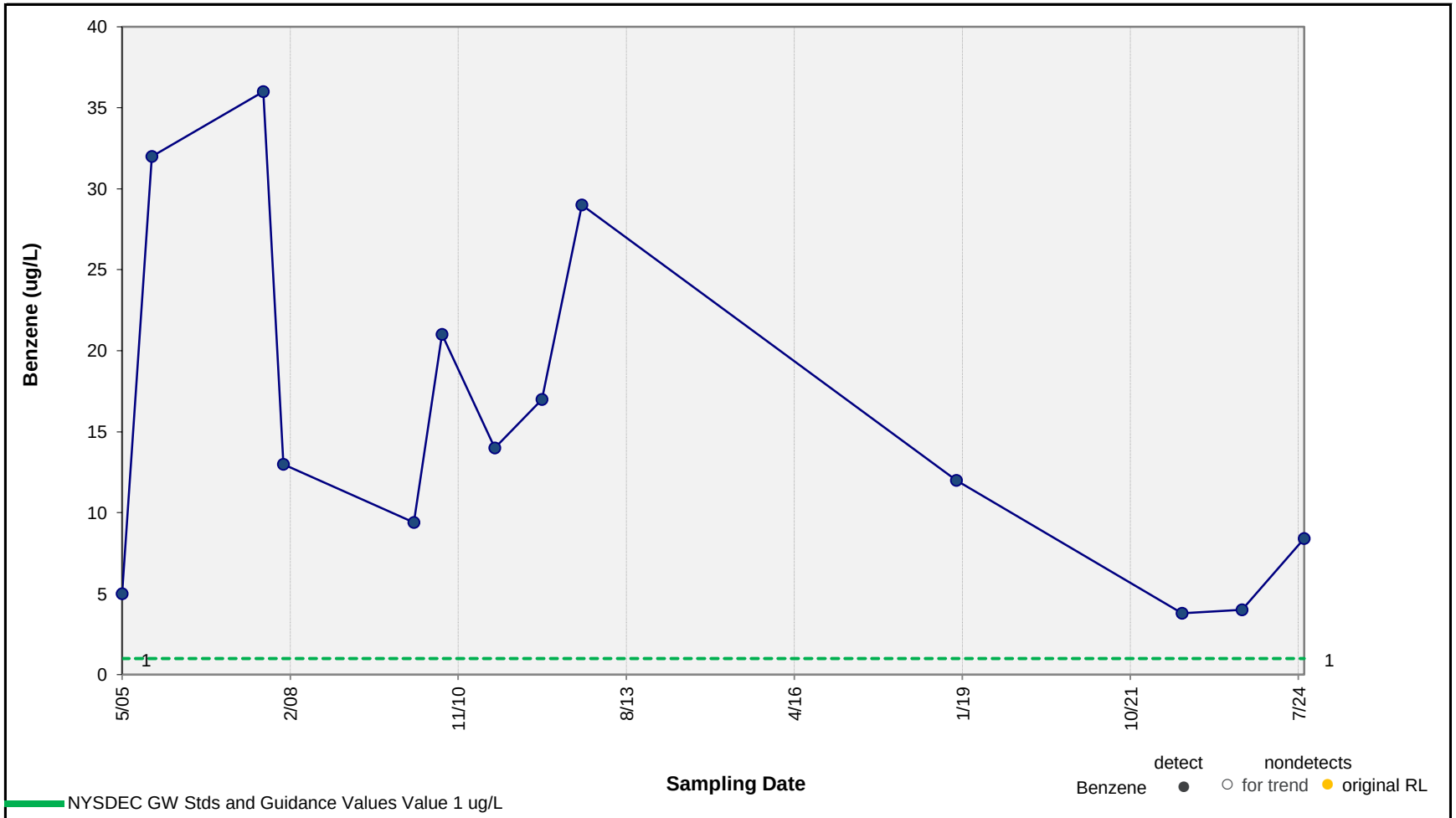
p value = <0.001 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total PAHs in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-164



Results of Mann-Kendall Test for Trend: **No Significant Trend**

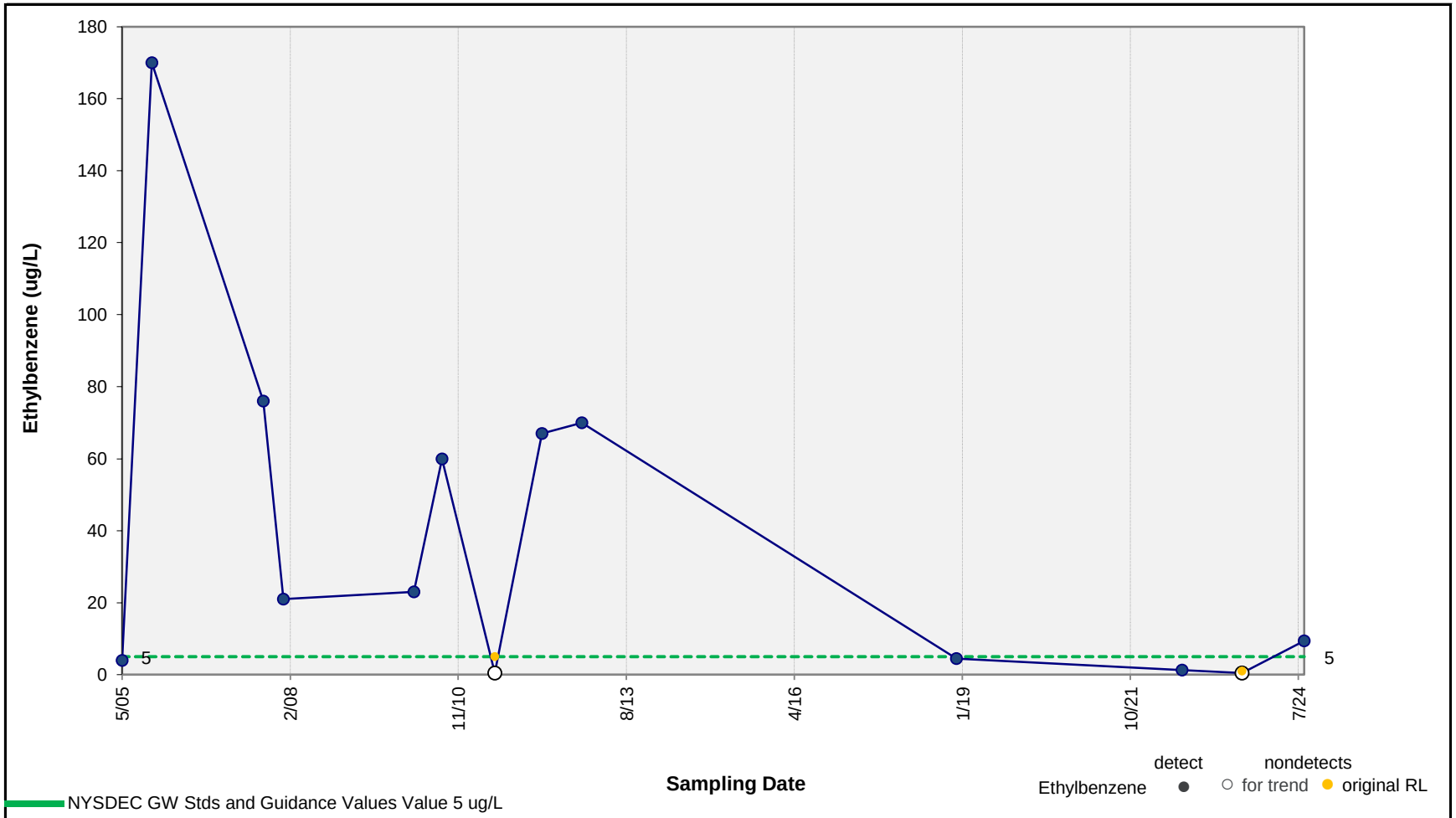
p value = 0.080 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Benzene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-165



Results of Mann-Kendall Test for Trend: **No Significant Trend**

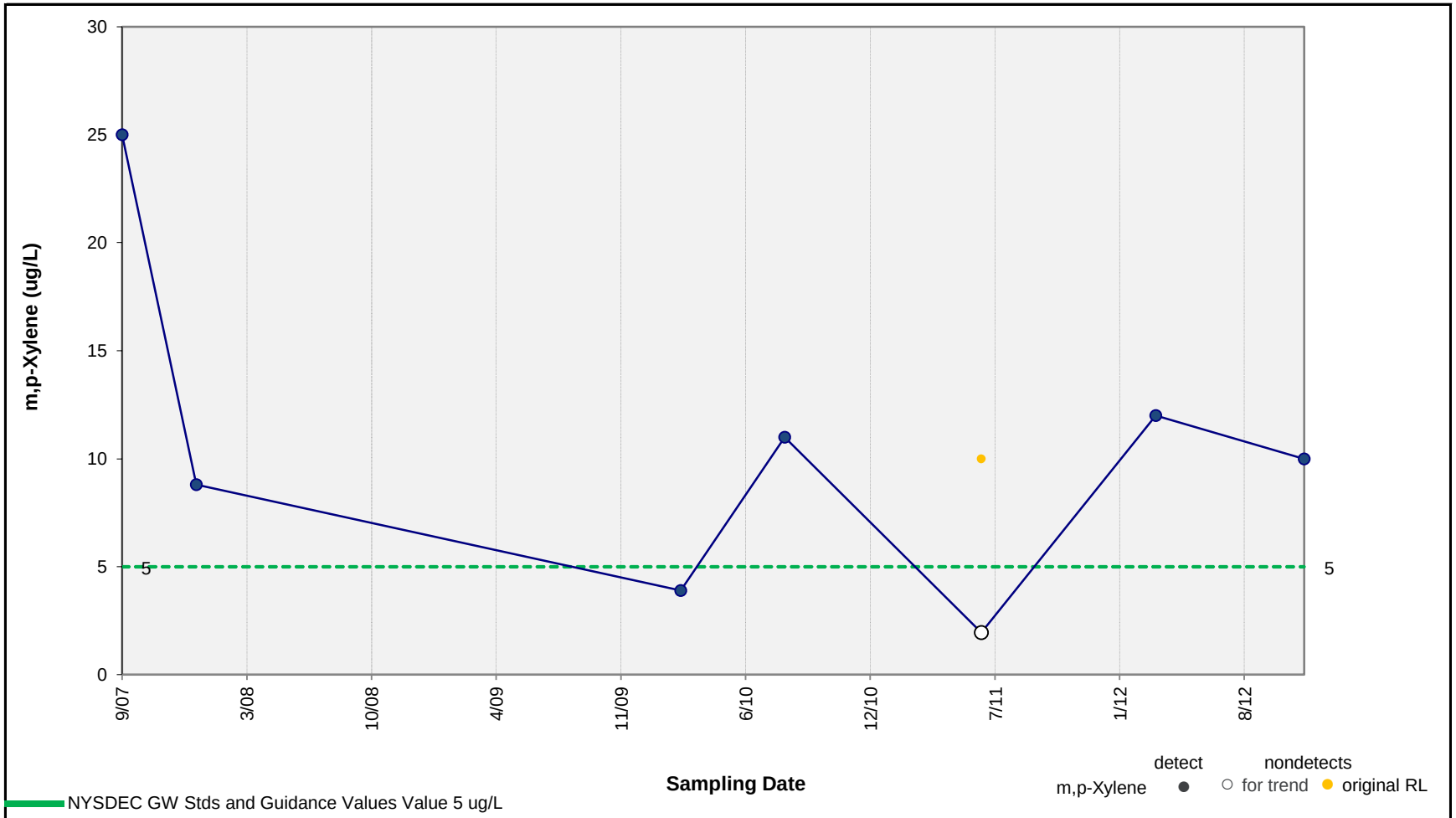
p value = 0.089 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Ethylbenzene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-166



Results of Mann-Kendall Test for Trend: **No Significant Trend**

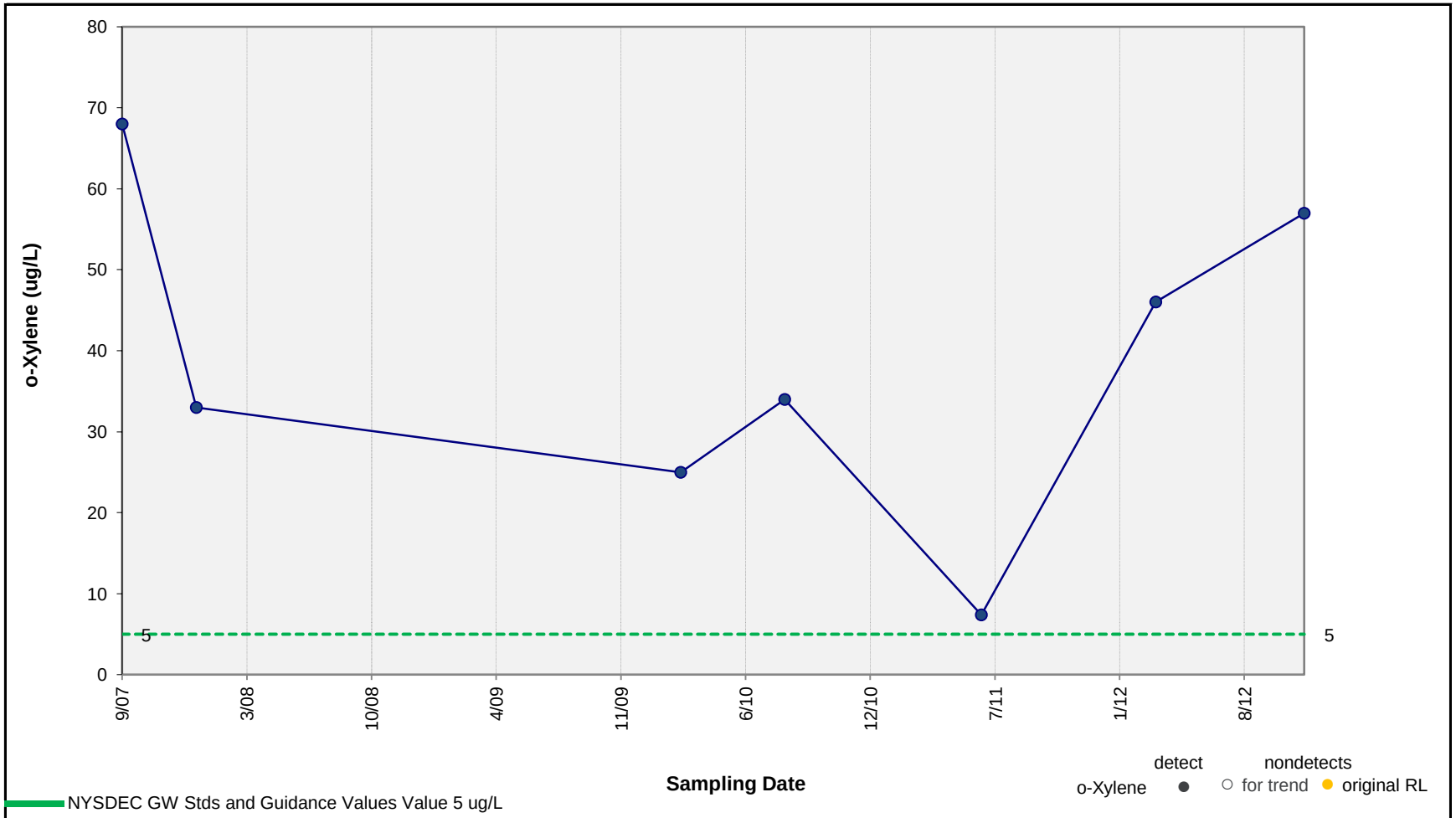
p value = 0.386 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – m,p-Xylene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-167



Results of Mann-Kendall Test for Trend: **No Significant Trend**

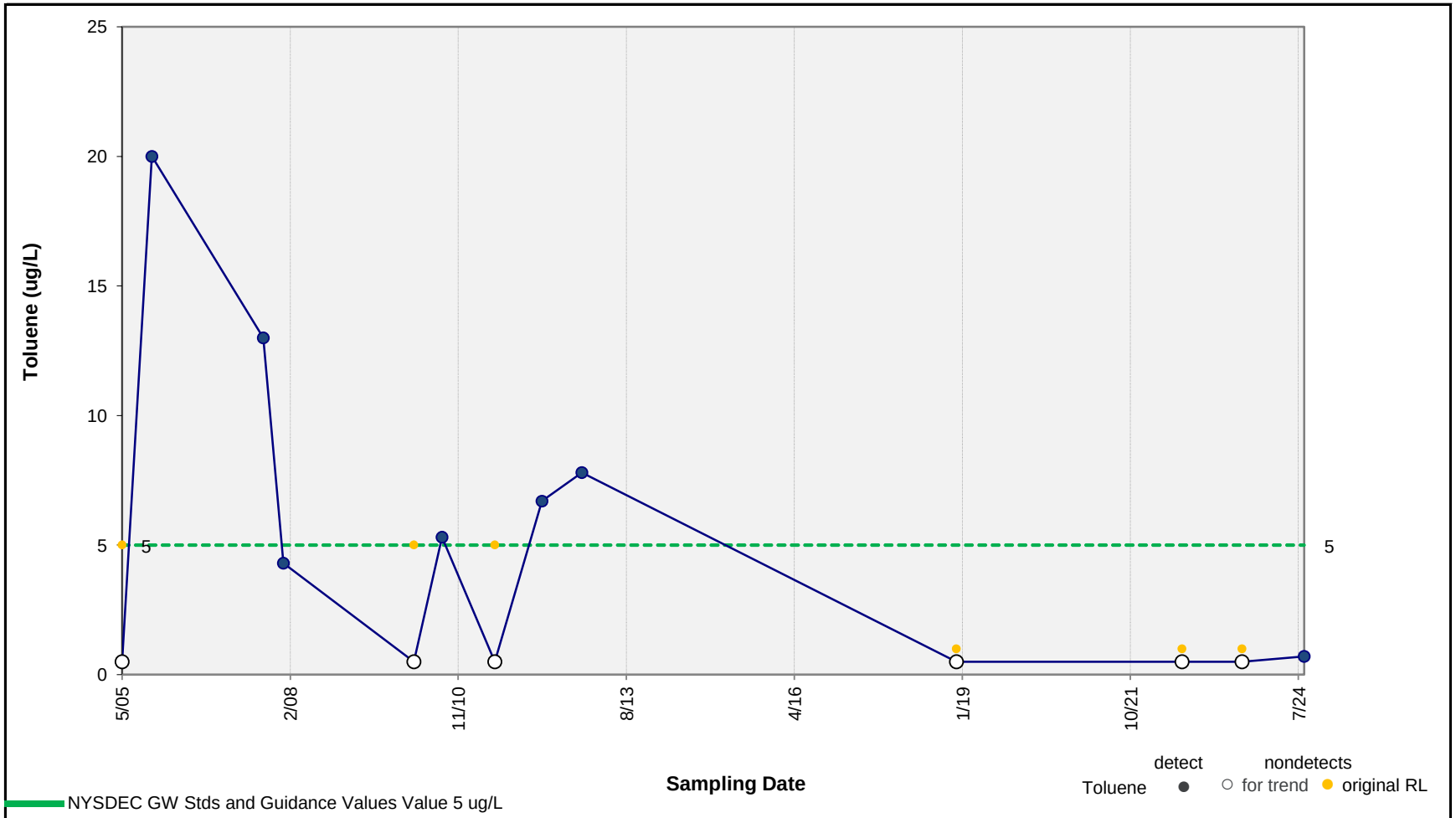
p value = 0.500 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – o-Xylene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-168



Results of Mann-Kendall Test for Trend: **No Significant Trend**

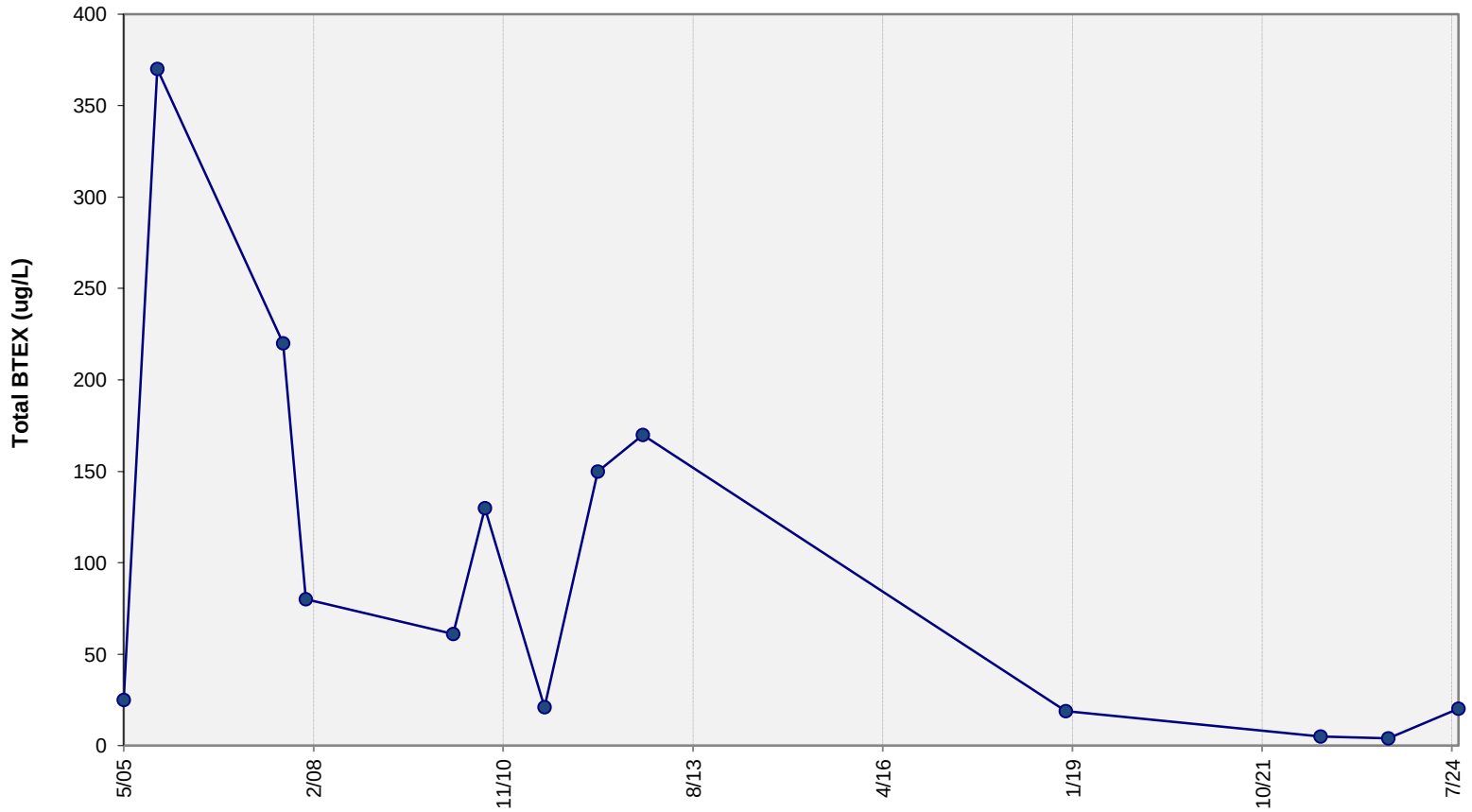
p value = 0.151 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Toluene in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-169



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

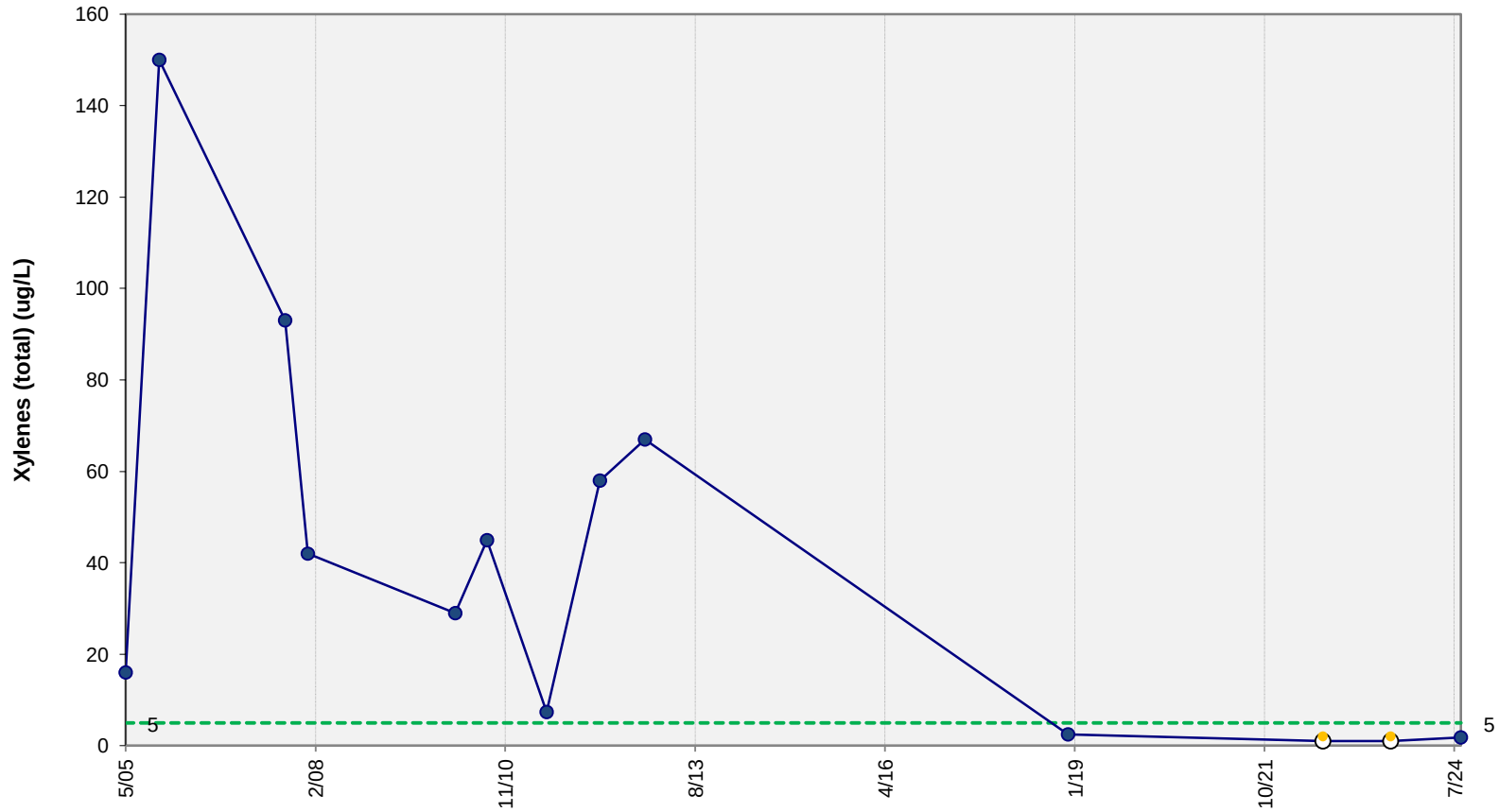
p value = 0.016 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Total BTEX in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-170



Results of Mann-Kendall Test for Trend: **DECREASING TREND**

p value = 0.014 Note: p value < 0.05 indicates a statistically significant trend (95% confidence level).

ARCADIS

Concentration vs. Time Plot – Xylenes (total) in Well PZ36

New York State Electric and Gas, Dansville Former Manufactured Gas Plant

FIGURE D-171

Appendix E

Certification Statement

05/13/2025

John Ruspantini
Senior Project Manager
NYSEG
NYSEG
18 LInk Drive
Binghamton, NY 13904
jjruspantini@nyseg.com

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: NYSEG - Dansville MGP
Site No.: 826012
Site Address: 50 Ossian Street
Dansville, NY 14437

Dear John Ruspantini:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **July 22, 2025**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Tracey Garland, the Project Manager, at 518-603-3163 or tracey.garland@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, NY 12233-7014

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

Nyseg - jjruspantini@nyseg.com

ec: w/ enclosures

Tracey Garland, Project Manager

Gerald Pratt, Section Chief
David Pratt, Hazardous Waste Remediation Supervisor, Region 8

Arcadis of New York, Inc. - Klaus Beyrle - Nicholas.Beyrle@arcadis.com

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 826012

Site Name NYSEG - Dansville MGP

Site Address: 50 Ossian Street Zip Code: 14437
City/Town: Dansville
County: Livingston
Site Acreage: 2.628

Reporting Period: June 22, 2024 to June 22, 2025

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 826012 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
203.6-3-1	NYSEG	Soil Management Plan Monitoring Plan Site Management Plan Ground Water Use Restriction Landuse Restriction O&M Plan IC/EC Plan

1) Environmental easement that requires: (a) commercial use, which will also permit industrial use, (b) compliance with the approved site management plan, and; (c) restricting the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by NYSDOH.

2) Site management plan which includes the following institutional and engineering controls: (a) management of the final cover system to restrict excavation below the soil cover=s demarcation layer, pavement, or buildings. Excavated soil will be tested, properly handled to protect the health and safety of workers and the nearby community, and will be properly managed in a manner acceptable to the Department; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified; (c) identification of any use restrictions on the site; and a monitoring plan to monitor the effectiveness of the remedy.

3) The property owner will provide a periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the Department, until the Department notifies the property owner in writing that this certification is no longer needed. This submittal will: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with Department-approved modifications; (b) allow the Department access to the site; and (c) state that nothing has occurred that would impair the ability of the control to protect public health or the environment, or constitute a violation or failure to comply with the site management plan unless otherwise approved by the Department.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
203.6-3-1	Cover System Monitoring Wells Groundwater Treatment System

Site cover consisting of a minimum of five feet of imported general fill topped with 12 inches of stone in excavated areas and four inches of topsoil in vegetated areas.

10 monitoring wells along northern boundary of site to monitor presence of NAPL, consisting of 2-inch diameter PVC pipes installed to depths between 13 and 25 feet below grade. Two NAPL recovery wells installed along southern boundary of site to monitor presence of NAPL and recover if needed, consisting of 6-inch diameter PVC pipes installed to depths between 21 and 24 feet below grade.

Passive treatment system to facilitate in-situ enhanced biodegradation of BTEX and PAH compounds in groundwater in OU-2, consisting of application and performance monitoring wells along northern boundary of site. Wells consist of 4-inch (for application wells) and 2-inch (for performance monitoring wells) schedule 40 PVC risers and 0.02-inch slotted well screens installed from the top of the silt and clay unit to approximately 2 feet above the top of the water table. Application wells are used to administer oxygen-reducing substances (ORS) to the subsurface.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 826012

Box 6

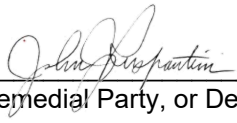
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I John Ruspantini (print name) at 18 Link Drive, Binghamton, New York 13904 (print business address),

am certifying as NYSEG/Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

For NYSEG  July 10, 2025

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date

EC CERTIFICATIONS

Qualified Environmental Professional (QEP)

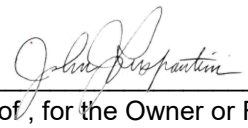
Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I John Ruspantini (print name) at 18 Link Drive, Binghamton, New York 13904 (print business address),

am certifying as a QEP for the NYSEG/Remedial Party (Owner or Remedial Party)

For NYSEG  (Signature of, for the Owner or Remedial Party, Rendering Certification)

CHMM 10302 (Stamp (Required for PE))

July 10, 2025 (Date)

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

Arcadis of New York, Inc.
100 Chestnut Street, Suite 1020
Rochester
New York 14604
Phone: 585 385 0090
Fax: 585 546 1973
www.arcadis.com