NYSEG

2024 Periodic Review Report

Oneonta Former MGP Site
NYSDEC Site Number: 4-39-001

January 2025

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Acronyms and Abbreviations

%	percent
AW	application well
BTEX	benzene, toluene, ethyl benzene, and xylenes
GWQS	groundwater quality standards
KW	Kruskal-Wallis
MGP	manufactured gas plant
MK	Mann-Kendall
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 and Gas
O&M	operation and maintenance
PAH	polycyclic aromatic hydrocarbon
PFAS	per- and polyfluoroalkyl substances
PMW	performance monitoring well
PRR	Periodic Review Report
PZ	piezometer
reporting period	January 2024 through December 2024 reporting period
SG	staff gauge
SMP	Site Management Plan
USEPA	United States Environmental Protection Agency

Executive Summary

This Periodic Review Report (PRR) summarizes monitoring and operation and maintenance activities and results during the January 2024 through December 2024 reporting period for the New York State Department of Environmental Conservation- (NYSDEC-) selected remedy for the New York State Electric and Gas (NYSEG) Oneonta former manufactured gas plant (MGP) site. The former MGP site is located on James Georgeson Avenue (in Neahwa Park) in the southern portion of the City of Oneonta, Otsego County, New York (Figure 1).

The NYSDEC-selected soil, sediment, and groundwater remedial components are presented in the Record of Decision (NYSDEC 2005). The soil remedy consisted of excavation and off-site disposal of soil within the former MGP footprint containing MGP-tar or elevated polycyclic aromatic hydrocarbon (PAH) concentrations, backfilling the excavation with approved fill materials, and restoring the ground surface with crushed stone and/or asphalt. The sediment remedy consisted of excavation and off-site disposal of sediment containing MGP-tar or PAHs at concentrations greater than upstream background concentrations and backfilling portions of Mill Race Creek. NYSEG completed the soil and sediment remedies in 2007. The groundwater remedy consisted of:

- Passive removal of drainable MGP-related non-aqueous phase liquid (NAPL); and
- In-situ groundwater treatment.

NYSEG completed constructing a permeable wall associated with the groundwater remedy in December 2007, followed by start-up of groundwater treatment (i.e., oxygen enhanced in situ microbial degradation) in May 2008. Based on review of the initial 5-year treatment system performance and monitoring data (2008 through 2013), the NYSDEC approved suspending oxygen-enhancement for 5 years, beginning in November 2013, while NYSEG collected monitoring data to document the resulting effect on groundwater quality at the dissolved-phase plume fringe.

Periodic Review Report (Q39 – Q42) (Arcadis 2019a) presented monitoring data for the 5-year period following groundwater enhancement suspension. Based on data collected during this 5-year period, the NYSDEC approved an additional 5-year groundwater enhancement suspension in May 2019, along with a request to remove three monitoring wells (MWs) (MW-9110S, MW-8807S, and MW-8808S) from the semi-annual sampling requirements (NYSDEC 2019). These changes to the Site Management Plan's (SMP's) Monitoring and Sampling Plan were captured in the most recent (current) SMP update (Arcadis 2022b).

The 2023 PRR (Arcadis 2024) recommended discontinuing groundwater monitoring at MW-0203, MW-9114S, and MW-9502S. The NYSDEC approved this recommendation in the 2023 PRR approval letter (NYSDEC 2024). This PRR represents the eleventh annual report since suspending groundwater enhancement.

NYSEG conducted monitoring, NAPL gauging, and operation and maintenance activities for the reporting period (May 2024 and November 2024 monitoring events) in accordance with the SMP (Arcadis 2022b). Based on data collected during the reporting period:

- Monitoring requirements were met.
- NAPL was not observed in either of the two site NAPL recovery wells, and the sorbent socks installed in application well (AW) AW-12 have been successful at removing the quantity of NAPL entering the well.
- There is an overall decreasing trend in total benzene, toluene, ethylbenzene, and xylenes and PAH groundwater concentrations since suspending groundwater enhancement with the potential exception of benzene and several PAHs at PTMW-0202. At PTMW-0202, the majority of concentration trends are not statistically significant.

Recommendations for future monitoring activities, based on operation and monitoring of the site remedy during this reporting period, include:

- Continue semi-annual monitoring, as described in the SMP (Arcadis 2022b) and the NYSDEC 2023 PRR response letter (NYSDEC 2024).
- Continue sorbent sock maintenance to passively remove accumulated NAPL in AW-12 and increase the sorbent sock replacement frequency from semi-annually to quarterly.
- Continue semi-annual gauging of MWs, performance monitoring wells (PMWs), NAPL recovery wells, staff gauges, and piezometers, as described in the SMP.
- Analyze groundwater samples collected from MW-9111S for per- and polyfluoroalkyl substances on a triennial basis, with the next sample to be collected in May 2025 (Arcadis 2022b).
- Continue site inspections and site maintenance, as described in the SMP.
- Decommission the AWs and PMWs that were associated with the post-remediation groundwater treatment system (AW-01 through AW-11, AW-13 through AW-16, and PMW-01 through PMW-14), retaining AW-12.
- Permanently extend the PRR due date to the end of February to allow more report preparation time in consideration of:
  - Variable laboratory data deliverable turnaround times;
  - Staff availability with respect to year-end holidays; and
  - Additional time needed to update and summarize the statistical data evaluation portion of the PRR.
- Continue annual PRR preparation, as described in the SMP (Arcadis 2022b).

1 Introduction

This Periodic Review Report (PRR) summarizes monitoring and operation and maintenance (O&M) activities and results during the January 2024 through December 2024 reporting period (reporting period) for the New York State Department of Environmental Conservation- (NYSDEC-) selected remedy for the New York State Electric and Gas (NYSEG) Oneonta former manufactured gas plant (MGP) site. The former MGP site is located on James Georgeson Avenue (in Neahwa Park) in the southern portion of the City of Oneonta, Otsego County, New York (Figure 1).

This PRR includes data collected during the May 2024 and November 2024 monitoring events.

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 NYSDEC-selected soil, sediment, and groundwater remedial components are presented in the Record of Decision (NYSDEC 2005). The soil remedy consisted of excavation and off-site disposal of soil within the former MGP footprint containing MGP-tar or elevated polycyclic aromatic hydrocarbon (PAH) concentrations, backfilling the excavation with approved fill materials, and restoring the ground surface with crushed stone and/or asphalt. The sediment remedy consisted of excavation, off-site disposal, and backfilling portions of Mill Race Creek. NYSEG completed the site soil and sediment remedies in 2007.

The groundwater remedy consists of two components:

- Passive removal of drainable MGP-related non-aqueous phase liquid (NAPL); and
- In-situ groundwater treatment.

NYSEG completed constructing a permeable wall associated with the groundwater remedy in December 2007 during soil remediation backfilling operations. Application well (AW), performance monitoring well (PMW), and NAPL recovery well (NRW) installation was completed in March 2008, followed by in-situ groundwater treatment start-up in May 2008. The permeable wall and associated site well network locations are presented on Figure 2. Well construction details are provided in the NYSDEC-approved Site Management Plan (SMP) (Arcadis 2022b).

1.1.2 Post-Remediation Groundwater Treatment

The groundwater treatment system (in-situ) consisted of applying oxygen-releasing compounds (Adventus ECH-O oxygen-releasing socks) in AWs installed in the permeable wall to increase groundwater dissolved oxygen content and enhance dissolved-phase MGP-related contaminant natural biodegradation. The system operated from 2008 through 2013. Based on the initial 5-year treatment system performance and monitoring data review, the NYSDEC approved suspending groundwater enhancement for a 5-year period, beginning in November 2013,

while continuing to collect monitoring data to document the resulting effect on groundwater quality at the dissolved-phase plume fringe.

1.1.3 Emerging Contaminant Sampling

In response to the NYSDEC's May 30, 2018 letter to NYSEG (NYSDEC 2018) requesting sampling of emerging contaminants, during the November 2019 monitoring event, NYSEG collected and submitted groundwater samples from three monitoring wells (MWs) (MW-0201, MW-9111S, and MW-9114S) for the analysis of emerging contaminants: per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. Emerging contaminant sampling results were presented in Arcadis' January 3, 2020 letter report to the NYSDEC (Arcadis 2020). As requested in the NYSDEC's June 18, 2020 letter to NYSEG (NYSDEC 2020) and subsequently clarified in the NYSDEC's August 28, 2020 email, groundwater samples collected from MW-9111S will be analyzed for PFAS on a triennial basis, beginning in May 2022. PFAS results in groundwater collected from MW-9111S are provided in the respective PRR covering the reporting period in which the sample is collected.

1.1.4 Site Management Plan Revisions

An SMP was originally submitted to the NYSDEC in April 2009 (Arcadis 2009a), and an SMP Addendum (Arcadis 2019b) was submitted in May 2019. Based on data collected during the 5-year period following groundwater enhancement suspension, the NYSDEC approved the SMP Addendum and requested an additional 5-year groundwater enhancement suspension. The NYSDEC submitted a May 29, 2019 letter to NYSEG requesting that NYSEG revise the SMP to incorporate the modifications provided in the SMP Addendum and also update the SMP to the current NYSDEC SMP template (NYSDEC 2019). The NYSDEC approved the revised SMP (Arcadis 2022b) in a September 9, 2022 letter to NYSEG (NYSDEC 2022).

The current SMP (Arcadis 2022b) modifies the original SMP (Arcadis 2009) by:

- suspending groundwater oxygen enhancement; and
- removing MW-8807S, MW-8808S, and MW-9110S from the semi-annual groundwater sampling well network.

1.1.5 Monitoring and Sampling Plan Approved Changes

The following are NYSDEC-approved changes to the current SMP's Monitoring and Sampling Plan (Arcadis 2022b):

- Removing MW-0203, MW-9114S, and MW-9502S from the semi-annual groundwater sampling well network (NYSDEC 2024).

2 Site Management Plan Compliance

This section identifies the key SMP 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 2022b) details the controls to be implemented at the site, as well as the site inspection, monitoring, maintenance, and reporting requirements. SMP requirements are summarized in the following sections.

2.1.1 Institutional and Engineering Controls

Institutional controls for this site require the imposition of an Environmental Easement that will:

- Limit the use and development of the property to restricted residential 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 2022b).

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; and
- Execute soil disturbances within areas potentially containing MGP-impacted material in accordance with the Excavation Work Plan (Appendix E of SMP [Arcadis 2022b]) 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 of MWs, PMWs, NRWs, and staff gauges (SGs);
- Semi-annual maintenance/replacement of a sorbent sock to passively remove accumulated dense NAPL in AW-12;
- Semi-annual groundwater sampling and laboratory analysis for benzene, toluene, ethylbenzene, xylene (BTEX) and PAHs laboratory analysis;
- Triennial groundwater sampling at MW-9111S for PFAS laboratory analysis, which began in May 2022; and
- Considering vapor intrusion potential if structures within areas potentially containing residual MGP impacts are developed in the future.

2.1.3 Operation and Maintenance

O&M requirements consist of maintaining AWs, MWs, PMWs, NRWs, and SGs, as needed, based on site inspection results.

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

Table 1 – SMP Compliance Activities

SMP Requirement:		Engineering Controls	Monitoring and Sampling			O&M
Event	Dates Completed	Site Inspection	NAPL Gauging and Passive NAPL Recovery	BTEX and PAH Monitoring	PFAS Monitoring	Well Inspections
May Monitoring	May 20-21, 2024	X	X	X		X
November Monitoring	November 18-19, 2024		X	X		X

Note:
PFAS monitoring is triennial with the next monitoring event scheduled to occur in 2025.

For comparison purposes, and to support the conclusions and recommendations presented in Section 4, 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 2022b) and the NYSDEC-approved Monitoring and Sampling Plan modifications listed in Section 1.1.5 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 May 21, 2024. Areas within the former MGP footprint were inspected for sparse vegetation, erosion, settling, and damaged asphalt (including, but not limited to, cracks and depressions). A photographic 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:

- Maintenance to the soil cover over the former MGP eastern and western plant areas was not required.
- Maintenance to the asphalt surface above the groundwater treatment system was not required.
- Drainage features were clear of obstructions.

Prior to site mobilization for the November 2022 monitoring event, a board was placed across the shed door by City of Oneonta staff along with a replacement lock to prevent access to the public. The NYSEG-keyed shed lock that had been in place was vandalized and no longer operable. A NYSEG-keyed lock was reinstalled on the shed door handle during the May 2023 monitoring event, and the board securing the shed door was reinstalled for additional security. On July 17, 2024, the board was removed, and a permanent lock cover was installed to prevent vandalism and unauthorized access to the shed. The lock and lock cover were observed to be fully intact and functional during the November 2024 monitoring event.

4 Monitoring and Sampling Results

As described in the SMP (Arcadis 2022b) and Section 1.1.5, monitoring during this reporting period consisted of:

- Semi-annual groundwater, surface water, and NAPL elevation measurements in 14 PMWs, 14 MWs, four SGs, four piezometers (PZs), and two NRWs;
- Semi-annual groundwater sampling from 10 MWs for BTEX and PAH analysis during the May 2024 monitoring event; and
- Semi-annual groundwater sampling from seven MWs for BTEX and PAH analysis during the November 2024 monitoring event.

As presented in the Record of Decision (NYSDEC 2005), BTEX data is used to evaluate the groundwater remedy; however, for completeness, PAH data is also collected and evaluated. Monitoring results are presented below.

4.1 Potentiometric Surfaces and Groundwater Flow

To document groundwater elevation and flow direction, field personnel measured the relative depth to groundwater and surface water from surveyed measuring points during each monitoring event (i.e., semi-annually) from the following locations, as described in the SMP (Arcadis 2022b):

- Fourteen PMWs (PMW-01 through PMW-14);
- Fourteen site MWs (MW-0201, MW-0203, MW-0301, MW-8604S, MW-8806S, MW-8807S, MW-8808S, MW-9110S, MW-9111S, MW-9112D, MW-9112S, MW-9114S, MW-9502S, and PTMW-0202);
- Four SGs (SG-105, SG-107, SG-110, and SG-111); and
- Four PZs (PZ-0801, PZ-0802, PZ-0803, and PZ-105).

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

The potentiometric surface and groundwater flow direction for the May 2024 gauging event is presented on Figure 3, and the potentiometric surface and groundwater flow direction for the November 2024 gauging event is presented on Figure 4. As shown on the figures, the general groundwater flow direction at the site was to the south and southwest during each gauging event. When compared to potentiometric surface maps prepared for previous years, no significant change to site-wide groundwater flow direction has occurred.

4.2 NAPL Monitoring

Field personnel gauged two NRWs (NRW-01 and NRW-02) for the potential presence of NAPL, using an oil-water interface probe, and replaced the sorbent sock in AW-12 during both monitoring events. The locations of existing wells NRW-01, NRW-02, and AW-12, along with the locations of decommissioned NRWs (NRW-03, NRW-04, and NRW-05), are shown on Figure 2, Figure 3, and Figure 4.

NAPL gauging data are presented in Table 2. NAPL was not observed in either existing NRW during the reporting period and has not been observed in these wells since gauging began in April 2008.

As recommended in the sixth Annual Project Report (Arcadis 2014), a NAPL sorbent sock was installed in AW-12 in November 2014 to passively remove NAPL. The sock measures 3 inches in diameter by 18 inches in length

and is made from 98 percent (%) pre-consumer recycled polypropylene. During each semi-annual monitoring event, the sorbent sock is removed, evaluated for NAPL sorption, and photographed, and a new sock is installed. Results of NAPL monitoring during this reporting period are as follows:

- During the May 2024 monitoring event, approximately 75% of the outer surface of the sorbent sock was coated with NAPL, and 100% of the sock material was saturated with NAPL.
- During the November 2024 monitoring event, approximately 75% of the outer surface of the sorbent sock was coated with NAPL, and 100% of the sock material was saturated with NAPL.

Used sorbent socks were containerized and staged in the secure on-site shed for disposal by NYSEG. Photographs of the spent sorbent socks from each monitoring event during the reporting period are included as Appendix B.

4.3 Groundwater Quality

Groundwater monitoring has been conducted at the site since 1986 (i.e., prior to implementing the site remedy). As presented in the Supplemental Remedial Investigation Report (Blasland, Bouck & Lee, Inc. 2004), based on long-term monitoring data, the extent of impacted groundwater appears to be stable due to a variety of naturally occurring processes, including dilution, hydrophobic sorption, and in-situ biodegradation.

Groundwater samples were collected from 10 MWs during the May 2024 monitoring event and seven MWs during the November 2024 monitoring event, via low-flow sampling procedures, using a peristaltic pump and disposable tubing. Groundwater for BTEX analysis was collected using a disposable bailer after low-flow purging criteria indicated well stabilization. Groundwater samples were submitted to Eurofins TestAmerica Laboratories located in Amherst, New York, for analysis of:

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

Reporting period groundwater analytical results are summarized in Table 3. For comparison purposes, baseline groundwater quality results for samples collected in April 2008 and groundwater analytical results for samples collected for the subsequent 15 years of monitoring, as well as historical data from 2003, are included in Table 4.

Arcadis reviewed the May and November 2024 monitoring event laboratory data packages, conducted data validation, and prepared Data Usability Summary Reports. The data review indicated that overall laboratory performance was acceptable, and data quality was within guidelines specified in the respective methods. Laboratory reports are included as Appendix C, and the Data Usability Summary Reports are included as Appendix D. Field sampling logs are included as Appendix E.

As shown on Figure 5, nine of the wells sampled during the May 2024 monitoring event are located around the study area perimeter (MW-0201, MW-0203, MW-8604S, MW-9111S, MW-9112S, MW-9112D, MW-9114S, MW-9502S, and PTMW-0202). As shown on Figure 6, six of the wells sampled during the November 2024 monitoring event are located around the study area perimeter (MW-0201, MW-8604S, MW-9111S, MW-9112S, MW-9112D, and PTMW-0202). (For discussion purposes, MW-8806S is not considered a perimeter well.)

Groundwater analytical results for BTEX and PAHs are summarized below.

4.3.1 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. 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% confidence level). In cases where the p-value is greater than 0.05, S-values greater than 5 are considered to be *potentially* increasing, and S-values less than negative 5 are considered to be *potentially* decreasing. In both cases, the p-values indicate that data does not meet the 95% confidence level, and as such, the trend cannot be considered *statistically significant*. 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 eight sampling results and at least a 25% 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.

The Kruskal-Wallis (KW) (USEPA 2009) test was used to evaluate the BTEX/PAH data for possible seasonality. The KW test is a non-parametric, rank-based test to identify the statistical significance or variation between multiple sample groups that, in this case, are the subsets of data by season. The null hypothesis assumes no difference among the sample groups (seasons). The KW test statistic is evaluated for statistical significance at the 95% confidence level. To perform this test, independence of data is assumed, and each grouping or season should have at least four or five measurements (USEPA 2009). The data is not required to fit a specific model or distribution and can still be used with non-detect concentrations.

Based on the KW test results, BTEX/PAHs concentrations with statistically significant results were evaluated using a seasonal MK test to account for the seasonal fluctuations in two seasons (January to June and July to December). Additional requirements of seasonal MK testing, compared to a regular MK evaluation, are that the dataset should span over multiple years and each seasonal grouping should have at least three observations. Though seasonal MK test statistic calculation differs slightly from the regular MK calculation method, it is evaluated similarly to the regular MK method. A positive S-value indicates an increasing trend, and a negative S-value indicates a decreasing trend. Statistical significance is determined based on a comparison of p-values to

the specified level of significance (confidence) with p-values less than or equal to 0.05 indicating statistically significant trends at 95% confidence.

These statistical evaluations were performed on post-groundwater oxygen enhancement (i.e., after 2013) BTEX/PAH data from MW-0201, MW-8806S, and PTWM-0202, which are locations with recent or historical groundwater concentrations greater than the NYSDEC groundwater quality standards (GWQS).

4.3.2 Dissolved BTEX

Groundwater analytical results for dissolved BTEX are summarized in Tables 3 and 4 and shown on Graph 1 (Appendix F). Additionally, dissolved total BTEX data from 2024 and the previous 13 years of groundwater monitoring are presented on Figure 5. MK and seasonal MK statistical analysis results are summarized in Table 5. Analytical results for samples collected during the two 2024 monitoring events indicate the following:

- During the May and November monitoring events, BTEX was detected at concentrations greater than GWQS in groundwater collected from two perimeter wells (MW-0201 and PTMW-0202).
  - MW-0201 total BTEX concentration MK trend results indicate a statistically significant decreasing trend. Statistically significant decreasing trends are also observed for benzene, toluene, ethylbenzene, o-xylene, and total xylenes.
  - PTMW-0202 total BTEX and benzene concentration MK trend results indicate potentially increasing trends; however, no potential trend is indicated when seasonal effects are taken into account. Total xylenes concentrations indicate a potential decreasing trend with and without seasonal effects.
- Total BTEX concentrations in groundwater samples collected at the remaining perimeter wells remained below detection limits.
- At “internal” well MW-8806S (located approximately 50 feet downgradient from the former treatment area), total BTEX concentrations were not detected in May 2024 and were detected less than GWQS in November 2024. By 2018, total BTEX concentrations had reduced to non-detect levels but increased in 2020 to a concentration exceeding GWQS. It is believed this increase and the detected concentrations in November 2022 and November 2024 could be the result of subsurface soil disturbances from the Damaschke Field construction/renovation activities conducted in late 2019. Benzene and total BTEX concentration MK trend results indicate potentially decreasing trends while o-xylenes and total xylenes both indicate statistically significant decreasing trends when seasonal effects are considered. NYSEG will continue to monitor total BTEX concentrations at MW-8806S to determine if they remain below GWQS and/or detection limits.
- Detected BTEX concentrations during the May monitoring event were generally less than the November monitoring event. This is consistent with historical site trends.

4.3.3 Dissolved PAHs

Laboratory data for dissolved PAHs are summarized in Tables 3 and 4 and shown on Graph 2 (Appendix F). In addition, dissolved total PAH data from 2024 and the previous 13 years of groundwater monitoring are presented on Figure 6. MK and seasonal MK statistical analysis results are summarized in Table 5. Analytical results for samples collected during the two 2024 monitoring events indicate the following:

- During the May and November monitoring events, PAHs were detected at concentrations greater than GWQS in groundwater from two perimeter wells (MW-0201 and PTMW-0202).
  - MW-0201 total PAH and naphthalene concentration MK trend results indicate potentially decreasing trends; however, statistically significant decreasing trends are indicated when seasonal effects are taken into account.
  - PTMW-0202 total PAH concentration MK trend results indicate a potentially increasing trend; however, a potentially decreasing trend is indicated when seasonal effects are taken into account. MK trend results indicate that fluorene concentrations have a statistically significant increasing trend, naphthalene concentrations have potentially decreasing trends with and without considering seasonal effects, and each of the other individual PAHs that qualified for analysis have potentially increasing trends.
- PAHs were not detected in the groundwater sample collected from “internal” well MW-8806S (located approximately 50 feet downgradient from the former treatment area) during this reporting period. It is believed that the PAHs detected in November 2020, November 2022, and November 2023 could be the result of subsurface soil disturbances from the Damaschke Field construction/renovation activities conducted in late 2019. Total PAH and acenaphthalene MK trend results indicate potentially decreasing trends with and without considering seasonal effects. NYSEG will continue to monitor total PAH concentrations at MW-8806S to see if they remain non-detect.
- Similar to the trends observed for BTEX concentrations and consistent with historical site trends, detected PAH concentrations during the May monitoring event were generally less than the November monitoring event.

5 Operation and Maintenance

The City of Oneonta is responsible for the overall maintenance of Neahwa Park and Damaschke Field; however, NYSEG is responsible for maintaining any aspect of the site that is associated with former MGP remediation activities.

In addition to routine site maintenance, O&M activities conducted during the reporting period are presented in Table 1 and included:

- Annual inspection of the site well network; and
- Remedial component and site condition inspection.

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

5.1 Well Network

Completed well repair and inspection activities/findings are presented in the following subsections.

5.1.1 Well Inspection

Arcadis completed visual inspections of site wells (MWs, PMWs, NRWs, AWs, SGs, and PZs) during the May monitoring event to confirm that protective road box and surrounding concrete collar integrity was maintained and locks existed and to identify potential repairs. Photographic documentation of each well's condition associated with the site, including protective covers, locking devices, and overall integrity of the well, is provided as Appendix G.

As recommended in the 2023 PRR (Arcadis 2024), Arcadis field personnel reinstalled SG-110 and SG-111 during the May 2024 event. The reinstalled SGs were placarded with "CAUTION" and "Do Not Disturb – Water Measuring in Progress" signs to increase visibility and prevent potential future vandalism. Both SGs were resurveyed on July 18, 2024.

Excluding SG-110 and SG-111 repairs, no significant deficiencies were identified during this reporting period.

5.1.2 Depth to Bottom Assessment

Depth to bottom measurements and accumulated sediments (e.g., silts, sands) thickness for each well were measured and are presented in Table 2. Depth to bottom measurements were compared to the installed depth, as reported on each well's construction log, to determine if redevelopment is needed.

The most recent depth to bottom measurements for the AWs were collected during the May monitoring event, and the most recent depth to bottom measurements for the remaining MWs and PZs were collected during the November monitoring event. A summary of the most recent gauging event results is provided below.

Monitoring Wells

- Seven of the 14 MWs did not contain measurable amounts of accumulated sediment.
- Sediment accumulation in the remaining seven MWs ranged from 0.01 feet (PTMW-0202S) to 0.31 feet (MW-9110S).

Application Wells

- Fifteen of the 16 AWs exhibited sediment accumulation, ranging from 0.05 feet (AW-16) to 2.44 feet (AW-14).
- Sediment quantities in the AWs are consistent with quantities previously reported and do not appear to be significantly increasing or decreasing.

Performance Monitoring Wells

- Seven of the 14 PMWs exhibited accumulated sediments ranging from 0.01 feet (PMW-08) to 0.26 feet (PMW-01).
- Sediment quantities in the PMWs are consistent with quantities previously reported and do not appear to be significantly increasing or decreasing.

Piezometers

- Accumulated sediment in the four PZs ranged from 0.08 feet (PZ-0803) to 1.07 feet (PZ-0801).
- Sediment quantities in the PZs are consistent with quantities previously reported and do not appear to be significantly increasing or decreasing.

Staff Gauges

- Two of the four SGs (SG-105 and SG-107) were present and in good condition during the May monitoring event. As described in Section 5.1.1, Arcadis field personnel reinstalled the other two SGs (SG-110 and SG-111) during the May 2024 monitoring event. All four SGs were present and in good condition during the November 2024 monitoring event.

6 Conclusions and Recommendations

Conclusions and recommendations based on the eleventh year of monitoring following suspending groundwater oxygen enhancement are presented below.

6.1 Conclusions

A summary of pertinent conclusions, based on results for the 2024 monitoring events, is presented below.

- Monitoring requirements were met during the reporting period.
- General groundwater flow direction continues to be to the south and southwest; the groundwater movement pattern is consistent with the previous 16 years of monitoring.
- NAPL Monitoring:
  - NAPL was not observed in either of the two existing NRWs during the reporting period; NAPL has not been observed in any of the NRWs during the previous 16 years of monitoring.
  - The sorbent sock installed in AW-12 successfully removed NAPL from the well.
- Groundwater Quality:
  - Total BTEX concentrations in groundwater show an overall stable to decreasing trend since suspending groundwater enhancement, with the exception of PTMW-0202, which shows a non-statistically significant potentially increasing trend with seasonality that results in a determination of no potential trend. The recent increase in total BTEX concentrations at MW-8806S, which is possibly a result of the 2019 Damaschke Field construction/renovation activities, have seemingly reverted back to non-detect concentrations.
  - Seasonal changes continue to influence dissolved BTEX concentrations. Where present, dissolved BTEX concentrations were generally greater during the November monitoring event when compared to the May monitoring event (with the exception of PTMW-0202).
  - Concentration fluctuations can be expected as a contaminant mass moves through the different zones of an aquifer (advective/transport, slow advective/storage, and storage), each with order of magnitude contaminant mass flux property variances. As natural attenuation reduces a contaminant mass in the advective/transport zone, more mass is diffused from the slow advective/storage zone into the advective/transport zone, resulting in fluctuating concentrations. In addition, subsurface soil disturbances from the 2019 Damaschke Field construction/renovation activities may also have an influence on the fluctuating BTEX and PAH concentrations (especially exceedances) observed in site groundwater.
- Well Network:
  - Accumulated sediment quantities observed within site wells were consistent with historical observed quantities, respective to each location.
- Annual Site Inspection:
  - The soil cover and asphalt surface over the former MGP eastern and western plant areas were in good condition; no repairs were required.
  - Drainage features were clear of obstructions.
  - SG-110 and SG-111 were reinstalled and resurveyed.

6.2 Recommendations

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

- Monitoring:
  - Continue conducting monitoring as described in the SMP (Arcadis 2022b) and Section 1.1.5.
  - Continue installing a sorbent sock to passively remove accumulated NAPL in AW-12 and increase the sorbent sock replacement frequency from semi-annually to quarterly.
  - Continue semi-annual well gauging and semi-annual MW sampling as described in the SMP and Section 1.1.5.
- O&M:
  - Continue conducting O&M, including site inspections and site maintenance, as described in the SMP.
- Analyze groundwater collected from MW-9111S for PFAS on a triennial basis, with the next sample to be collected during the May 2025 monitoring event.
- Considering groundwater quality has continued to improve in the subsequent 11 years since suspending groundwater oxygen enhancement, decommission the AWs and PMWs that were associated with the post-remediation groundwater treatment system (AW-01 through AW-11, AW-13 through AW-16, and PMW-01 through PMW-14). AW-12 will be retained and continue to be part of the NAPL monitoring program.
- Permanently extend the PRR due date to the end of February to allow more report preparation time in consideration of:
  - Variable laboratory data deliverable turnaround times;
  - Staff availability with respect to year-end holidays; and
  - Additional time needed to update and summarize the statistical data evaluation portion of the PRR.
- Continue preparing annual PRRs as described in the SMP (Arcadis 2022b).

7 Certification Statement

The completed NYSDEC Site Management PRR Notice Institutional and Engineering Controls Certification Form is included in Appendix H, which 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.

8 References

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Tables

Table 2
Gauging Data
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Well ID	Measuring Point Elevation	Actual Depth to Bottom	Screen Length	Date	Depth to Water (feet TOC)	Groundwater Elevation	Depth to Product (feet TOC)	Depth to Bottom (feet TOC)	Accumulated Thickness of Sediments (feet)
MW-9502S	1080.74	23.72	19.0	April 21, 2008	5.56	1075.41	-	24.01	-0.09
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	7.47	1073.50	-	24.04	-0.12
				February 17, 2009	-	-	-	-	-
				May 11, 2009	6.67	1074.30	-	24.01	-0.09
				August 5, 2009	6.04	1074.93	-	24.02	-0.10
				November 30, 2009	6.77	1074.20	-	24.02	-0.10
				February 24, 2010	7.22	1073.75	-	24.03	-0.11
				May 17, 2010	6.15	1074.82	-	23.97	-0.05
				November 1, 2010	5.55	1075.42	-	23.80	0.12
				May 9, 2011	4.70	1076.07	-	23.80	-0.08
				November 7, 2011	6.08	1074.69	-	23.81	-0.09
				May 29, 2012	6.09	1074.68	-	23.82	-0.10
				November 26, 2012	7.23	1073.54	-	23.88	-0.16
				May 6, 2013	6.01	1074.76	-	23.77	-0.05
				November 12, 2013	7.22	1073.55	-	23.75	-0.03
				May 27, 2014	5.44	1075.33	-	23.76	-0.04
				November 17, 2014	7.35	1073.42	-	23.75	-0.03
				May 19, 2015	7.01	1073.76	-	23.74	-0.02
				November 16, 2015	6.10	1074.67	-	23.78	-0.06
				May 9, 2016	6.68	1074.09	-	23.74	-0.02
				November 15, 2016	8.01	1072.76	-	23.75	-0.03
				May 16, 2017	5.54	1075.23	-	23.75	-0.03
				November 6, 2017	7.65	1073.12	-	23.75	-0.03
				May 14, 2018	5.95	1074.82	-	23.75	-0.03
				November 12, 2018	5.79	1074.98	-	23.75	-0.03
				May 20, 2019	5.32	1075.45	-	23.73	-0.01
				November 4, 2019	5.59	1075.18	-	23.74	-0.02
				June 15, 2020	7.47	1073.30	-	23.79	-0.07
				November 17, 2020	8.01	1072.76	-	23.72	0.00
				May 25, 2021	6.10	1074.67	-	23.55	0.17
				November 10, 2021	5.99	1074.75	-	23.61	0.11
				May 23, 2022	6.83	1073.91	-	23.46	0.26
				November 14, 2022	8.38	1072.36	-	23.60	0.12
				May 22, 2023	6.47	1074.27	-	23.58	0.14
				November 6, 2023	7.38	1073.36	-	23.63	0.09
				May 20, 2024	6.62	1074.12	-	23.59	0.13
				November 18, 2024	8.72	1072.02	-	23.55	0.17
MW-0203*	1075.01	30.16	10.0	April 21, 2008	1.95	1073.21	-	28.82	0.76
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	3.57	1071.59	-	28.84	0.74
				February 17, 2009	-	-	-	-	-
				May 11, 2009	3.23	1071.93	-	28.80	0.78
				August 5, 2009	2.29	1072.87	-	28.84	0.74
				November 30, 2009	3.11	1072.05	-	28.81	0.77
				February 24, 2010	3.57	1071.59	-	28.81	0.77
				May 17, 2010	2.64	1072.52	-	29.58	0.00
				November 1, 2010	1.93	1073.23	-	29.63	-0.05
				May 9, 2011	1.09	1074.07	-	29.62	-0.04
				November 7, 2011	2.57	1072.59	-	29.58	0.00
				May 29, 2012	2.85	1072.31	-	29.66	-0.08
				November 26, 2012	3.69	1071.47	-	29.62	-0.04
				May 6, 2013	2.68	1072.48	-	29.54	0.04
				November 12, 2013	3.82	1071.34	-	29.57	0.01
				May 27, 2014	2.11	1073.05	-	29.63	-0.05
				November 17, 2014	3.90	1071.26	-	29.60	-0.02
				May 19, 2015	3.85	1071.31	-	29.59	-0.01
				November 16, 2015	2.58	1072.58	-	29.59	-0.01
				May 9, 2016	3.19	1071.97	-	29.59	-0.01
				November 15, 2016	4.62	1070.54	-	29.59	-0.01

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Well ID	Measuring Point Elevation	Actual Depth to Bottom	Screen Length	Date	Depth to Water (feet TOC)	Groundwater Elevation	Depth to Product (feet TOC)	Depth to Bottom (feet TOC)	Accumulated Thickness of Sediments (feet)
MW-0203* (cont.)	1075.01	30.16	10.0	May 16, 2017	2.02	1073.14	-	29.60	-0.02
				November 6, 2017	4.00	1071.16	-	29.59	-0.01
				May 14, 2018	2.59	1072.57	-	29.59	-0.01
				November 12, 2018	2.02	1073.14	-	29.59	-0.01
				May 20, 2019	1.59	1073.57	-	29.60	-0.02
				November 4, 2019	1.48	1073.68	-	29.60	-0.02
				June 15, 2020	4.14	1071.02	-	29.71	-0.13
				November 17, 2020	4.35	1070.81	-	29.62	-0.04
				May 25, 2021	-	-	-	-	-
				November 10, 2021	2.55	-	-	29.19	0.39
				May 23, 2022	4.34	1070.67	-	30.15	0.01
				November 14, 2022	5.34	1069.67	-	30.18	-0.02
				May 22, 2023	4.09	1070.92	-	30.15	0.01
				November 6, 2023	4.66	1070.35	-	30.18	-0.02
				May 20, 2024	4.02	1070.99	-	30.16	0.00
				November 18, 2024	6.09	1068.92	-	30.14	0.02
MW-9114S	1082.38	10.63	5.5	April 21, 2008	6.23	1076.15	-	11.16	-0.53
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	8.15	1074.23	-	11.16	-0.53
				February 17, 2009	-	-	-	-	-
				May 11, 2009	7.38	1075.00	-	11.16	-0.53
				August 5, 2009	6.71	1075.67	-	11.16	-0.53
				November 30, 2009	7.51	1074.87	-	11.15	-0.52
				February 24, 2010	7.83	1074.55	-	11.17	-0.54
				May 17, 2010	6.77	1075.61	-	11.11	-0.48
				November 1, 2010	6.38	1076.00	-	11.16	-0.53
				May 9, 2011	5.54	1076.84	-	11.16	-0.53
				November 7, 2011	7.10	1075.28	-	11.18	-0.55
				May 29, 2012	7.08	1075.30	-	11.18	-0.55
				November 26, 2012	8.21	1074.17	-	11.17	-0.54
				May 6, 2013	7.03	1075.35	-	11.16	-0.53
				November 12, 2013	8.09	1074.29	-	11.12	-0.49
				May 27, 2014	6.30	1076.08	-	11.15	-0.52
				November 17, 2014	8.20	1074.18	-	11.15	-0.52
				May 19, 2015	7.89	1074.49	-	11.11	-0.48
				November 16, 2015	7.04	1075.34	-	11.13	-0.50
				May 9, 2016	7.60	1074.78	-	11.13	-0.50
				November 15, 2016	8.89	1073.49	-	11.12	-0.49
				May 16, 2017	6.40	1075.98	-	11.13	-0.50
				November 6, 2017	8.40	1073.98	-	11.12	-0.49
				May 14, 2018	6.85	1075.53	-	11.15	-0.52
				November 12, 2018	6.66	1075.72	-	11.14	-0.51
				May 20, 2019	6.13	1076.25	-	11.13	-0.50
				November 4, 2019	6.45	1075.93	-	11.15	-0.52
				June 15, 2020	8.28	1074.10	-	11.16	-0.53
				November 17, 2020	8.75	1073.63	-	11.15	-0.52
				May 25, 2021	7.17	1075.21	-	11.12	-0.49
				November 10, 2021	7.04	1075.34	-	11.14	-0.51
				May 23, 2022	7.82	1074.56	-	11.13	-0.50
				November 14, 2022	9.12	1073.26	-	11.15	-0.52
				May 22, 2023	7.51	1074.87	-	11.12	-0.49
				November 6, 2023	8.36	1074.02	-	11.13	-0.50
				May 20, 2024	7.60	1074.78	-	11.14	-0.51
				November 18, 2024	9.45	1072.93	-	11.12	-0.49
MW-8604S	1083.02	19.00	15.0	April 21, 2008	9.22	1073.80	-	19.48	-0.48
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	9.40	1073.62	-	19.49	-0.49
				February 17, 2009	-	-	-	-	-
				May 11, 2009	9.19	1073.83	-	19.48	-0.48
				August 5, 2009	8.97	1074.05	-	19.46	-0.46

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Well ID	Measuring Point Elevation	Actual Depth to Bottom	Screen Length	Date	Depth to Water (feet TOC)	Groundwater Elevation	Depth to Product (feet TOC)	Depth to Bottom (feet TOC)	Accumulated Thickness of Sediments (feet)
MW-8604S (cont.)	1083.02	19.00	15.0	November 30, 2009	9.20	1073.82	-	19.48	-0.48
				February 24, 2010	9.37	1073.65	-	19.47	-0.47
				May 17, 2010	8.98	1074.04	-	19.44	-0.44
				November 1, 2010	8.89	1074.13	-	19.48	-0.48
				May 9, 2011	8.90	1074.12	-	19.51	-0.51
				November 7, 2011	9.23	1073.79	-	19.50	-0.50
				May 29, 2012	9.09	1073.93	-	19.44	-0.44
				November 26, 2012	9.36	1073.66	-	19.50	-0.50
				May 6, 2013	9.01	1074.01	-	19.45	-0.45
				November 12, 2013	9.29	1073.73	-	19.48	-0.48
				May 27, 2014	8.86	1074.16	-	19.44	-0.44
				November 17, 2014	9.31	1073.71	-	19.47	-0.47
				May 19, 2015	9.06	1073.96	-	19.45	-0.45
				November 16, 2015	9.35	1073.67	-	19.43	-0.43
				May 9, 2016	9.49	1073.53	-	19.47	-0.47
				November 15, 2016	10.11	1072.91	-	19.50	-0.50
				May 16, 2017	8.80	1074.22	-	19.45	-0.45
				November 6, 2017	8.95	1074.07	-	19.50	-0.50
				May 14, 2018	9.10	1073.92	-	19.35	-0.35
				November 12, 2018	9.24	1073.78	-	19.47	-0.47
				May 20, 2019	8.82	1074.20	-	19.46	-0.46
				November 4, 2019	9.25	1073.77	-	19.45	-0.45
				June 15, 2020	9.85	1073.17	-	20.16	-1.16
				November 17, 2020	10.13	1072.89	-	20.15	-1.15
				May 25, 2021	9.66	1073.36	-	20.09	-1.09
				November 10, 2021	9.41	1073.61	-	20.09	-1.09
				May 23, 2022	9.43	1073.59	-	20.02	-1.02
				November 14, 2022	10.06	1072.96	-	20.08	-1.08
				May 22, 2023	9.81	1073.21	-	20.03	-1.03
				November 6, 2023	9.64	1073.38	-	20.05	-1.05
				May 20, 2024	9.53	1073.49	-	20.07	-1.07
				November 18, 2024	10.27	1072.75	-	20.03	-1.03
MW-9112S	1079.32	9.44	5.0	April 21, 2008	3.46	1075.86	-	9.59	-0.15
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	5.87	1073.45	-	9.60	-0.16
				February 17, 2009	-	-	-	-	-
				May 11, 2009	5.24	1074.08	-	9.58	-0.14
				August 5, 2009	4.12	1075.20	-	9.59	-0.15
				November 30, 2009	5.19	1074.13	-	9.56	-0.12
				February 24, 2010	5.96	1073.36	-	9.59	-0.15
				May 17, 2010	4.96	1074.36	-	9.55	-0.11
				November 1, 2010	3.60	1075.72	-	9.60	-0.16
				May 9, 2011	4.85	1074.47	-	9.59	-0.15
				November 7, 2011	4.71	1074.61	-	9.61	-0.17
				May 29, 2012	4.95	1074.37	-	9.64	-0.20
				November 26, 2012	6.59	1072.73	-	9.53	-0.09
				May 6, 2013	4.91	1074.41	-	9.59	-0.15
				November 12, 2013	6.01	1073.31	-	9.55	-0.11
				May 27, 2014	3.50	1075.82	-	9.59	-0.15
				November 17, 2014	7.10	1072.22	-	9.59	-0.15
				May 19, 2015	6.14	1073.18	-	9.54	-0.10
				November 16, 2015	4.84	1074.48	-	9.55	-0.11
				May 9, 2016	5.60	1073.72	-	9.56	-0.12
				November 15, 2016	7.81	1071.51	-	9.55	-0.11
				May 16, 2017	3.80	1075.52	-	9.58	-0.14
				November 6, 2017	6.85	1072.47	-	9.55	-0.11
				May 14, 2018	5.21	1074.11	-	9.60	-0.16
				November 12, 2018	4.28	1075.04	-	9.55	-0.11
				May 20, 2019	3.35	1075.97	-	9.54	-0.10
				November 4, 2019	3.54	1075.78	-	9.56	-0.12
				June 15, 2020	6.15	1073.17	-	9.56	-0.12

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MW-9112S (cont.)	1079.32	9.44	5.0	November 17, 2020	6.57	1072.75	-	9.58	-0.14
				May 25, 2021	4.86	1074.46	-	9.53	-0.09
				November 10, 2021	4.71	1074.61	-	9.56	-0.12
				May 23, 2022	5.53	1073.79	-	9.54	-0.10
				November 14, 2022	6.92	1072.40	-	9.55	-0.11
				May 22, 2023	5.33	1073.99	-	9.55	-0.11
				November 6, 2023	6.14	1073.18	-	9.55	-0.11
				May 20, 2024	5.35	1073.97	-	9.57	-0.13
				November 18, 2024	7.51	1071.81	-	9.53	-0.09
PTMW-0202*	1078.17	16.40	10.0	April 21, 2008	3.28	1074.89	-	15.88	0.52
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	5.03	1073.14	-	15.88	0.52
				February 17, 2009	-	-	-	-	-
				May 11, 2009	4.24	1073.93	-	15.87	0.53
				August 5, 2009	3.75	1074.42	-	15.90	0.50
				November 30, 2009	4.34	1073.83	-	15.88	0.52
				February 24, 2010	4.71	1073.46	-	15.84	0.56
				May 17, 2010	3.88	1074.29	-	15.81	0.59
				November 1, 2010	3.43	1074.74	-	15.90	0.50
				May 9, 2011	2.73	1075.44	-	15.89	0.51
				November 7, 2011	3.90	1074.27	-	15.90	0.50
				May 29, 2012	3.92	1074.25	-	15.90	0.50
				November 26, 2012	4.78	1073.39	-	15.87	0.53
				May 6, 2013	3.75	1074.42	-	15.88	0.52
				November 12, 2013	4.71	1073.46	-	15.85	0.55
				May 27, 2014	3.29	1074.88	-	15.86	0.54
				November 17, 2014	5.05	1073.12	-	15.88	0.52
				May 19, 2015	4.55	1073.62	-	16.42	-0.02
				November 16, 2015	3.79	1074.38	-	16.44	-0.04
				May 9, 2016	4.33	1073.84	-	16.45	-0.05
				November 15, 2016	5.35	1072.82	-	16.44	-0.04
				May 16, 2017	3.20	1074.97	-	16.45	-0.05
				November 6, 2017	5.25	1072.92	-	16.39	0.01
				May 14, 2018	3.60	1074.57	-	16.45	-0.05
				November 12, 2018	3.62	1074.55	-	16.42	-0.02
				May 20, 2019	3.11	1075.06	-	16.40	0.00
				November 4, 2019	3.42	1074.75	-	16.44	-0.04
				June 15, 2020	5.04	1073.13	-	16.40	0.00
				November 17, 2020	5.68	1072.49	-	16.44	-0.04
				May 25, 2021	3.93	1074.24	-	16.38	0.02
				November 10, 2021	3.91	1074.26	-	16.41	-0.01
				May 23, 2022	4.60	1073.57	-	16.39	0.01
				November 14, 2022	6.11	1072.06	-	16.41	-0.01
				May 22, 2023	4.18	1073.99	-	16.39	0.01
				November 6, 2023	4.99	1073.18	-	16.40	0.00
				May 20, 2024	4.38	1073.79	-	16.40	0.00
				November 18, 2024	6.27	1071.90	-	16.39	0.01
MW-9111S	1076.43	15.92	10.0	April 21, 2008	2.65	1073.78	-	15.98	-0.06
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	4.42	1072.01	-	15.95	-0.03
				February 17, 2009	-	-	-	-	-
				May 11, 2009	3.97	1072.46	-	15.92	0.00
				August 5, 2009	3.01	1073.42	-	15.91	0.01
				November 30, 2009	3.94	1072.49	-	15.93	-0.01
				February 24, 2010	4.39	1072.04	-	15.93	-0.01
				May 17, 2010	3.35	1073.08	-	15.89	0.03
				November 1, 2010	2.72	1073.71	-	15.80	0.12
				May 9, 2011	1.83	1074.60	-	15.92	0.00
				November 7, 2011	3.41	1073.02	-	15.82	0.10
				May 29, 2012	3.60	1072.83	-	15.92	0.00

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Well ID	Measuring Point Elevation	Actual Depth to Bottom	Screen Length	Date	Depth to Water (feet TOC)	Groundwater Elevation	Depth to Product (feet TOC)	Depth to Bottom (feet TOC)	Accumulated Thickness of Sediments (feet)
MW-9111S (cont.)	1076.43	15.92	10.0	November 26, 2012	4.54	1071.89	-	15.87	0.05
				May 6, 2013	3.43	1073.00	-	15.90	0.02
				November 12, 2013	4.64	1071.79	-	15.85	0.07
				May 27, 2014	2.81	1073.62	-	15.74	0.18
				November 17, 2014	4.67	1071.76	-	15.88	0.04
				May 19, 2015	4.60	1071.83	-	15.75	0.17
				November 16, 2015	3.32	1073.11	-	15.82	0.10
				May 9, 2016	4.00	1072.43	-	15.80	0.12
				November 15, 2016	5.41	1071.02	-	15.78	0.14
				May 16, 2017	2.79	1073.64	-	15.68	0.24
				November 6, 2017	4.88	1071.55	-	15.70	0.22
				May 14, 2018	3.35	1073.08	-	15.72	0.20
				November 12, 2018	2.91	1073.52	-	15.74	0.18
				May 20, 2019	2.40	1074.03	-	15.68	0.24
				November 4, 2019	2.43	1074.00	-	15.75	0.17
				June 15, 2020	4.95	1071.48	-	15.66	0.26
				November 17, 2020	5.26	1071.17	-	15.71	0.21
				May 25, 2021	3.66	1072.77	-	15.68	0.24
				November 10, 2021	3.39	1073.04	-	15.68	0.24
				May 23, 2022	4.44	1071.99	-	15.70	0.22
				November 14, 2022	5.57	1070.86	-	15.65	0.27
				May 22, 2023	4.08	1072.35	-	15.63	0.29
				November 6, 2023	4.83	1071.60	-	15.69	0.23
				May 20, 2024	4.09	1072.34	-	15.57	0.35
				November 18, 2024	6.17	1070.26	-	15.65	0.27
MW-9109S	1076.45	7.86	5.0	April 21, 2008	5.63	1070.82	-	7.75	0.11
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	6.88	1069.57	-	7.74	0.12
				February 17, 2009	-	-	-	-	-
				May 11, 2009	6.16	1070.29	-	7.74	0.12
				August 5, 2009	6.12	1070.33	-	7.78	0.08
				November 30, 2009	6.53	1069.92	-	7.73	0.13
				February 24, 2010	6.91	1069.54	-	7.73	0.13
				May 17, 2010	6.23	1070.22	-	7.71	0.15
				November 1, 2010	5.67	1070.78	-	7.75	0.11
				May 9, 2011	4.83	1071.62	-	7.76	0.10
				November 7, 2011	6.07	1070.38	-	7.78	0.08
				May 29, 2012	6.18	1070.27	-	7.78	0.08
				November 26, 2012	6.92	1069.53	-	7.75	0.11
				May 6, 2013	5.96	1070.49	-	7.74	0.12
				November 12, 2013	6.94	1069.51	-	7.71	0.15
				May 27, 2014	5.72	1070.73	-	7.70	0.16
				November 17, 2014	7.52	1068.93	-	7.73	0.13
				May 19, 2015	6.98	1069.47	-	7.75	0.11
				November 16, 2015	5.92	1070.53	-	7.74	0.12
				May 9, 2016	6.45	1070.00	-	7.75	0.11
				November 15, 2016	7.36	1069.09	-	7.75	0.11
				May 16, 2017	5.40	1071.05	-	7.76	0.10
				November 6, 2017	7.18	1069.27	-	7.72	0.14
				May 14, 2018	6.00	1070.45	-	7.75	0.11
				November 12, 2018	5.52	1070.93	-	7.75	0.11
				May 20, 2019	5.27	1071.18	-	7.74	0.12
				November 4, 2019	4.73	1071.72	-	7.78	0.08
				June 15, 2020	7.27	1069.18	-	7.75	0.11
				November 17, 2020	7.70	1068.75	-	7.77	0.09
				May 25, 2021	6.44	1070.01	-	7.73	0.13
				November 10, 2021	6.39	1070.06	-	7.76	0.10
				May 23, 2022	6.88	1069.57	-	7.76	0.10
				November 14, 2022	7.70	1068.75	-	7.75	0.11
				May 22, 2023	6.52	1069.93	-	7.72	0.14
				November 6, 2023	7.14	1069.31	-	7.75	0.11

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MW-9109S (cont.)	1076.45	7.86	5.0	May 20, 2024	6.68	1069.77	-	7.77	0.09
				November 18, 2024	Dry	-	-	7.74	0.12
MW-8808S	1076.00	17.65	16.3	April 21, 2008	4.65	1071.35	-	16.77	0.88
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	6.58	1069.42	-	16.78	0.87
				February 17, 2009	-	-	-	-	-
				May 11, 2009	4.76	1071.24	-	16.74	0.91
				August 5, 2009	4.56	1071.44	-	16.75	0.90
				November 30, 2009	5.59	1070.41	-	16.75	0.90
				February 24, 2010	6.17	1069.83	-	16.75	0.90
				May 17, 2010	5.45	1070.55	-	17.65	0.00
				November 1, 2010	5.04	1070.96	-	17.71	-0.06
				May 9, 2011	4.31	1071.69	-	17.70	-0.05
				November 7, 2011	5.13	1070.87	-	17.72	-0.07
				May 29, 2012	4.71	1071.29	-	17.74	-0.09
				November 26, 2012	6.31	1069.69	-	17.72	-0.07
				May 6, 2013	4.30	1071.70	-	17.70	-0.05
				November 12, 2013	6.34	1069.66	-	17.67	-0.02
				May 27, 2014	4.72	1071.28	-	17.71	-0.06
				November 17, 2014	7.05	1068.95	-	17.72	-0.07
				May 19, 2015	6.10	1069.90	-	17.67	-0.02
				November 16, 2015	5.08	1070.92	-	17.68	-0.03
				May 9, 2016	5.74	1070.26	-	17.70	-0.05
				November 15, 2016	6.21	1069.79	-	17.67	-0.02
				May 16, 2017	4.29	1071.71	-	17.70	-0.05
				November 6, 2017	6.78	1069.22	-	17.67	-0.02
				May 14, 2018	4.83	1071.17	-	17.70	-0.05
				November 12, 2018	5.18	1070.82	-	17.68	-0.03
				May 20, 2019	4.64	1071.36	-	17.69	-0.04
				November 4, 2019	4.45	1071.55	-	17.70	-0.05
				June 15, 2020	6.33	1069.67	-	17.68	-0.03
				November 17, 2020	7.57	1068.43	-	17.70	-0.05
				May 25, 2021	5.65	1070.35	-	17.63	0.02
				November 10, 2021	4.96	1071.04	-	17.70	-0.05
				May 23, 2022	6.43	1069.57	-	17.70	-0.05
				November 14, 2022	7.76	1068.24	-	17.68	-0.03
				May 22, 2023	5.69	1070.31	-	17.69	-0.04
				November 6, 2023	6.72	1069.28	-	17.70	-0.05
				May 20, 2024	6.19	1069.81	-	17.72	-0.07
				November 18, 2024	7.52	1068.48	-	17.69	-0.04
MW-0201*	1077.20	18.92	5.0	April 21, 2008	5.17	1072.03	-	19.71	-0.79
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	7.11	1070.09	-	19.62	-0.70
				February 17, 2009	-	-	-	-	-
				May 11, 2009	5.74	1071.46	-	19.62	-0.70
				August 5, 2009	5.84	1071.36	-	19.69	-0.77
				November 30, 2009	6.08	1071.12	-	19.63	-0.71
				February 24, 2010	6.41	1070.79	-	19.67	-0.75
				May 17, 2010	5.97	1071.23	-	19.63	-0.71
				November 1, 2010	5.29	1071.91	-	19.70	-0.78
				May 9, 2011	4.86	1072.34	-	19.68	-0.76
				November 7, 2011	5.51	1071.69	-	19.64	-0.72
				May 29, 2012	5.48	1071.72	-	19.72	-0.80
				November 26, 2012	6.61	1070.59	-	19.63	-0.71
				May 6, 2013	5.16	1072.04	-	19.62	-0.70
				November 12, 2013	6.88	1070.32	-	19.63	-0.71
				May 27, 2014	5.45	1071.75	-	19.69	-0.77
				November 17, 2014	7.33	1069.87	-	19.67	-0.75
				May 19, 2015	6.57	1070.63	-	19.64	-0.72
				November 16, 2015	5.66	1071.54	-	19.67	-0.75

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MW-0201* (cont.)	1077.20	18.92	5.0	May 9, 2016	6.22	1070.98	-	19.65	-0.73
				November 15, 2016	6.76	1070.44	-	19.65	-0.73
				May 16, 2017	5.00	1072.20	-	19.66	-0.74
				November 6, 2017	7.13	1070.07	-	19.63	-0.71
				May 14, 2018	5.45	1071.75	-	19.65	-0.73
				November 12, 2018	5.84	1071.36	-	19.66	-0.74
				May 20, 2019	5.25	1071.95	-	19.65	-0.73
				November 4, 2019	5.26	1071.94	-	19.66	-0.74
				June 15, 2020	6.97	1070.23	-	19.66	-0.74
				November 17, 2020	7.82	1069.38	-	19.68	-0.76
				May 5, 2021	6.26	1070.94	-	19.65	-0.73
				November 10, 2021	6.08	1071.12	-	19.66	-0.74
				May 23, 2022	6.86	1070.34	-	19.68	-0.76
				November 14, 2022	8.11	1069.09	-	19.68	-0.76
				May 22, 2023	6.12	1071.08	-	19.63	-0.71
				November 6, 2023	7.24	1069.96	-	19.68	-0.76
				May 20, 2024	6.63	1070.57	-	19.68	-0.76
				November 18, 2024	7.53	1069.67	-	19.66	-0.74
MW-9110S	1077.66	22.00	10.0	April 21, 2008	4.84	1072.82	-	20.91	1.09
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	5.11	1072.55	-	20.64	1.36
				February 17, 2009	-	-	-	-	-
				May 11, 2009	5.11	1072.55	-	20.64	1.36
				August 5, 2009	4.92	1072.74	-	20.69	1.31
				November 30, 2009	5.21	1072.45	-	20.65	1.35
				February 24, 2010	5.55	1072.11	-	20.53	1.47
				May 17, 2010	4.99	1072.67	-	22.00	0.00
				November 1, 2010	4.74	1072.92	-	22.06	-0.06
				May 9, 2011	4.33	1073.33	-	22.05	-0.05
				November 7, 2011	3.95	1073.71	-	22.08	-0.08
				May 29, 2012	4.94	1072.72	-	22.08	-0.08
				November 26, 2012	5.71	1071.95	-	22.01	-0.01
				May 6, 2013	4.87	1072.79	-	22.05	-0.05
				November 12, 2013	5.63	1072.03	-	22.01	-0.01
				May 27, 2014	4.70	1072.96	-	22.01	-0.01
				November 17, 2014	5.74	1071.92	-	22.04	-0.04
				May 19, 2015	5.42	1072.24	-	22.01	-0.01
				November 16, 2015	4.84	1072.82	-	22.02	-0.02
				May 9, 2016	5.21	1072.45	-	22.03	-0.03
				November 15, 2016	5.94	1071.72	-	22.02	-0.02
				May 16, 2017	4.42	1073.24	-	22.01	-0.01
				November 6, 2017	5.62	1072.04	-	21.95	0.05
				May 14, 2018	4.89	1072.77	-	22.01	-0.01
				November 12, 2018	4.68	1072.98	-	22.00	0.00
				May 20, 2019	4.35	1073.31	-	22.01	-0.01
				November 4, 2019	4.59	1073.07	-	22.02	-0.02
				June 15, 2020	5.74	1071.92	-	21.74	0.26
				November 17, 2020	6.21	1071.45	-	22.00	0.00
				May 25, 2021	5.23	1072.43	-	21.96	0.04
				November 10, 2021	5.39	1072.27	-	21.92	0.08
				May 23, 2022	5.61	1072.05	-	21.68	0.32
				November 14, 2022	6.39	1071.27	-	21.89	0.11
				May 22, 2023	5.29	1072.37	-	21.90	0.10
				November 6, 2023	5.90	1071.76	-	21.80	0.20
				May 20, 2024	5.45	1072.21	-	21.94	0.06
				November 18, 2024	6.39	1071.27	-	21.69	0.31
MW-8807S	1077.89	17.94	16.3	April 21, 2008	4.50	1073.39	-	15.54	2.40
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	5.21	1072.68	-	15.37	2.57
				February 17, 2009	-	-	-	-	-

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MW-8807S (cont.)	1077.89	17.94	16.3	May 11, 2009	4.75	1073.14	-	15.39	2.55
				August 5, 2009	4.40	1073.49	-	15.46	2.48
				November 30, 2009	4.76	1073.13	-	15.43	2.51
				February 24, 2010	5.10	1072.79	-	15.38	2.56
				May 17, 2010	4.53	1073.36	-	17.94	0.00
				November 1, 2010	4.38	1073.51	-	17.98	-0.04
				May 9, 2011	4.15	1073.74	-	17.97	-0.03
				November 7, 2011	4.61	1073.28	-	17.98	-0.04
				May 29, 2012	4.65	1073.24	-	17.99	-0.05
				November 26, 2012	5.19	1072.70	-	17.98	-0.04
				May 6, 2013	4.56	1073.33	-	17.98	-0.04
				November 12, 2013	5.91	1071.98	-	17.94	0.00
				May 27, 2014	4.39	1073.50	-	17.97	-0.03
				November 17, 2014	5.32	1072.57	-	17.95	-0.01
				May 19, 2015	4.90	1072.99	-	17.95	-0.01
				November 16, 2015	4.45	1073.44	-	17.98	-0.04
				May 9, 2016	4.86	1073.03	-	17.97	-0.03
				November 15, 2016	5.53	1072.36	-	17.96	-0.02
				May 16, 2017	4.05	1073.84	-	17.98	-0.04
				November 6, 2017	5.19	1072.70	-	17.96	-0.02
				May 14, 2018	4.41	1073.48	-	17.98	-0.04
				November 12, 2018	4.33	1073.56	-	17.95	-0.01
				May 20, 2019	4.19	1073.70	-	17.96	-0.02
				November 4, 2019	4.29	1073.60	-	17.97	-0.03
				June 15, 2020	5.33	1072.56	-	17.95	-0.01
				November 17, 2020	5.88	1072.01	-	17.98	-0.04
				May 25, 2021	4.68	1073.21	-	17.94	0.00
				November 10, 2021	4.83	1073.06	-	17.98	-0.04
				May 23, 2022	5.08	1072.81	-	17.91	0.03
				November 14, 2022	6.09	1071.80	-	17.92	0.02
				May 22, 2023	4.83	1073.06	-	17.95	-0.01
				November 6, 2023	5.42	1072.47	-	17.98	-0.04
				May 20, 2024	4.95	1072.94	-	17.95	-0.01
				November 18, 2024	6.09	1071.80	-	17.94	0.00
MW-0301*	1075.36	18.72	10.0	April 21, 2008	4.38	1070.98	-	18.57	0.15
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	6.35	1069.01	-	18.58	0.14
				February 17, 2009	-	-	-	-	-
				May 11, 2009	4.58	1070.78	-	18.56	0.16
				August 5, 2009	5.16	1070.20	-	18.52	0.20
				November 30, 2009	5.34	1070.02	-	18.54	0.18
				February 24, 2010	5.91	1069.45	-	18.54	0.18
				May 17, 2010	5.16	1070.20	-	18.72	0.00
				November 1, 2010	4.69	1070.67	-	18.75	-0.03
				May 9, 2011	3.94	1071.42	-	18.74	-0.02
				November 7, 2011	4.80	1070.56	-	18.78	-0.06
				May 29, 2012	4.45	1070.91	-	18.78	-0.06
				November 26, 2012	6.01	1069.35	-	18.74	-0.02
				May 6, 2013	4.06	1071.30	-	18.50	0.22
				November 12, 2013	6.07	1069.29	-	18.72	0.00
				May 27, 2014	4.42	1070.94	-	18.75	-0.03
				November 17, 2014	6.68	1068.68	-	18.79	-0.07
				May 19, 2015	5.88	1069.48	-	18.74	-0.02
				November 16, 2015	4.72	1070.64	-	18.73	-0.01
				May 9, 2016	5.39	1069.97	-	18.73	-0.01
				November 15, 2016	5.99	1069.37	-	18.74	-0.02
				May 16, 2017	4.01	1071.35	-	18.75	-0.03
				November 6, 2017	6.35	1069.01	-	18.72	0.00
				May 14, 2018	4.69	1070.67	-	18.75	-0.03
				November 12, 2018	4.80	1070.56	-	18.76	-0.04
				May 20, 2019	4.29	1071.07	-	18.74	-0.02

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MW-0301* (cont.)	1075.36	18.72	10.0	November 4, 2019	4.11	1071.25	-	18.72	0.00
				June 15, 2020	6.16	1069.20	-	18.73	-0.01
				November 17, 2020	7.05	1068.31	-	18.75	-0.03
				May 25, 2021	5.47	1069.89	-	18.75	-0.03
				November 10, 2021	4.71	1070.65	-	18.78	-0.06
				May 23, 2022	6.21	1069.15	-	18.73	-0.01
				November 14, 2022	7.22	1068.14	-	18.77	-0.05
				May 22, 2023	5.48	1069.88	-	18.72	0.00
				November 6, 2023	6.50	1068.86	-	18.75	-0.03
				May 20, 2024	5.98	1069.38	-	18.73	-0.01
				November 18, 2024	7.15	1068.21	-	18.72	0.00
MW-8806S	1079.10	19.30	16.3	April 21, 2008	4.73	1074.37	-	18.66	0.64
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	5.72	1073.38	-	18.67	0.63
				February 17, 2009	-	-	-	-	-
				May 11, 2009	5.30	1073.80	-	18.60	0.70
				August 5, 2009	4.80	1074.30	-	18.67	0.63
				November 30, 2009	5.23	1073.87	-	18.56	0.74
				February 24, 2010	5.62	1073.48	-	18.65	0.65
				May 17, 2010	4.97	1074.13	-	19.30	0.00
				November 1, 2010	4.65	1074.45	-	19.37	-0.07
				May 9, 2011	4.33	1074.77	-	19.35	-0.05
				November 7, 2011	5.09	1074.01	-	19.38	-0.08
				May 29, 2012	5.02	1074.08	-	19.37	-0.07
				November 26, 2012	5.64	1073.46	-	19.34	-0.04
				May 6, 2013	4.91	1074.19	-	19.35	-0.05
				November 12, 2013	5.62	1073.48	-	19.30	0.00
				May 27, 2014	4.64	1074.46	-	19.34	-0.04
				November 17, 2014	5.52	1073.58	-	19.32	-0.02
				May 19, 2015	5.16	1073.94	-	19.29	0.01
				November 16, 2015	4.88	1074.22	-	19.30	0.00
				May 9, 2016	5.32	1073.78	-	19.30	0.00
				November 15, 2016	6.21	1072.89	-	19.31	-0.01
				May 16, 2017	4.16	1074.94	-	19.30	0.00
				November 6, 2017	5.75	1073.35	-	19.30	0.00
				May 14, 2018	4.78	1074.32	-	19.30	0.00
				November 12, 2018	4.74	1074.36	-	19.29	0.01
				May 20, 2019	4.34	1074.76	-	19.29	0.01
				November 6, 2019	4.85	1074.25	-	19.30	0.00
				June 15, 2020	5.83	1073.27	-	19.31	-0.01
				November 17, 2020	6.29	1072.81	-	19.32	-0.02
				May 25, 2021	5.05	1074.05	-	19.25	0.05
				November 10, 2021	5.19	1073.91	-	19.28	0.02
				May 23, 2022	5.51	1073.59	-	19.29	0.01
				November 14, 2022	6.28	1072.82	-	19.19	0.11
				May 22, 2023	5.29	1073.81	-	19.23	0.07
				November 6, 2023	5.82	1073.28	-	19.24	0.06
				May 20, 2024	5.38	1073.72	-	19.25	0.05
				November 18, 2024	6.58	1072.52	-	19.22	0.08
AW-01	1079.68	15.04	11.7	April 21, 2008	5.20	1074.73	-	15.26	0.03
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	15.29	0.00
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	15.23	0.06
				August 5, 2009	4.88	1075.05	-	15.12	0.17
				November 30, 2009	-	-	-	15.23	0.06
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	14.70	0.59
				November 1, 2010	4.68	1075.25	-	14.40	0.89
				May 9, 2011	4.77	1074.91	-	14.35	0.69

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AW-01 (cont.)	1079.68	15.04	11.7	November 7, 2011	4.83	1074.85	-	14.53	0.51
				May 29, 2012	4.85	1074.83	-	14.52	0.52
				November 26, 2012	5.16	1074.52	-	14.40	0.64
				May 6, 2013	4.89	1074.79	-	15.14	-0.10
				November 12, 2013	4.82	1074.86	-	15.12	-0.08
				May 27, 2014	4.78	1074.90	-	14.99	0.05
				May 19, 2015	-	-	-	15.00	0.04
				May 9, 2016	4.86	1074.82	-	15.50	-0.46
				May 16, 2017	4.60	1075.08	-	14.98	0.06
				May 14, 2018	4.80	1074.88	-	15.05	-0.01
				May 20, 2019	4.51	1075.17	-	14.91	0.13
				June 15, 2020	-	-	-	14.98	0.06
				May 25, 2021	-	-	-	14.96	0.08
				May 23, 2022	-	-	-	14.91	0.13
				May 22, 2023	-	-	-	14.93	0.11
				May 20, 2024	-	-	-	14.91	0.13
AW-02	1079.57	14.69	6.0	April 21, 2008	4.85	1074.72	-	13.79	0.90
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	13.70	0.99
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	13.48	1.21
				August 5, 2009	4.54	1075.03	-	13.41	1.28
				November 30, 2009	-	-	-	13.29	1.40
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	14.53	0.16
				November 1, 2010	4.47	1075.10	-	14.34	0.35
				May 9, 2011	4.55	1075.02	-	14.33	0.36
				November 7, 2011	4.60	1074.97	-	14.45	0.24
				May 29, 2012	4.61	1074.96	-	14.31	0.38
				November 26, 2012	4.95	1074.62	-	14.34	0.35
				May 6, 2013	4.65	1074.92	-	14.29	0.40
				November 12, 2013	4.61	1074.96	-	14.37	0.32
				May 27, 2014	4.52	1075.05	-	14.28	0.41
				May 19, 2015	-	-	-	14.27	0.42
				May 9, 2016	4.68	1074.89	-	14.33	0.36
				May 16, 2017	4.39	1075.18	-	14.20	0.49
				May 14, 2018	4.60	1074.97	-	14.19	0.50
				May 20, 2019	4.33	1075.24	-	13.99	0.70
				June 15, 2020	-	-	-	14.14	0.55
				May 25, 2021	-	-	-	14.16	0.53
				May 23, 2022	-	-	-	14.07	0.62
				May 22, 2023	-	-	-	14.20	0.49
				May 20, 2024	-	-	-	14.10	0.59
AW-03	1079.69	17.13	8.0	April 21, 2008	4.96	1074.73	-	14.83	2.30
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	14.65	2.48
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	14.27	2.86
				August 5, 2009	4.93	1074.76	-	14.35	2.78
				November 30, 2009	-	-	-	14.25	2.88
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	17.13	0.00
				November 1, 2010	4.56	1075.13	-	17.21	-0.08
				May 9, 2011	4.68	1075.01	-	17.10	0.03
				November 7, 2011	4.69	1075.00	-	17.15	-0.02
				May 29, 2012	4.73	1074.96	-	17.01	0.12
				November 26, 2012	5.05	1074.64	-	17.15	-0.02
				May 6, 2013	4.77	1074.92	-	17.10	0.03
				November 12, 2013	4.71	1074.98	-	17.12	0.01
				May 27, 2014	4.66	1075.03	-	16.97	0.16

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AW-03 (cont.)	1079.69	17.13	8.0	May 19, 2015	-	-	-	17.05	0.08
				May 9, 2016	4.79	1074.90	-	17.10	0.03
				May 16, 2017	4.45	1075.24	-	16.88	0.25
				May 14, 2018	4.67	1075.02	-	16.90	0.23
				May 20, 2019	4.41	1075.28	-	16.89	0.24
				June 15, 2020	-	-	-	16.72	0.41
				May 25, 2021	-	-	-	16.93	0.20
				May 23, 2022	-	-	-	16.90	0.23
				May 22, 2023	-	-	-	16.90	0.23
				May 20, 2024	-	-	-	16.74	0.39
AW-04	1081.31	18.97	10.0	April 21, 2008	7.01	1074.73	-	17.95	1.45
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	17.75	1.65
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	17.52	1.88
				August 5, 2009	6.71	1075.03	-	17.59	1.81
				November 30, 2009	-	-	-	17.32	2.08
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	19.40	0.00
				November 1, 2010	6.45	1075.29	-	19.28	0.12
				May 9, 2011	6.54	1074.77	-	19.27	-0.30
				November 7, 2011	6.58	1074.73	-	19.26	-0.29
				May 29, 2012	6.60	1074.71	-	19.30	-0.33
				November 26, 2012	6.93	1074.38	-	19.23	-0.26
				May 6, 2013	6.65	1074.66	-	19.24	-0.27
				November 12, 2013	6.95	1074.36	-	19.14	-0.17
				May 27, 2014	6.51	1074.80	-	19.22	-0.25
				May 19, 2015	-	-	-	19.19	-0.22
				May 9, 2016	6.64	1074.67	-	19.24	-0.27
				May 16, 2017	6.32	1074.99	-	19.20	-0.23
				May 14, 2018	6.42	1074.89	-	19.24	-0.27
				May 20, 2019	6.24	1075.07	-	19.16	-0.19
				June 15, 2020	-	-	-	19.29	-0.32
				May 25, 2021	-	-	-	19.20	-0.23
				May 23, 2022	-	-	-	19.17	-0.20
				May 22, 2023	-	-	-	19.16	-0.19
				May 20, 2024	-	-	-	19.17	-0.20
AW-05	1081.00	16.25	8.5	April 21, 2008	6.27	1074.73	-	15.54	0.71
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	15.65	0.60
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	15.21	1.04
				August 5, 2009	5.98	1075.02	-	15.38	0.87
				November 30, 2009	-	-	-	15.15	1.10
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	16.25	0.00
				November 1, 2010	5.88	1075.12	-	16.36	-0.11
				May 9, 2011	5.99	1075.01	-	16.23	0.02
				November 7, 2011	6.01	1074.99	-	16.25	0.00
				May 29, 2012	6.05	1074.95	-	16.30	-0.05
				November 26, 2012	6.35	1074.65	-	16.24	0.01
				May 6, 2013	6.08	1074.92	-	16.29	-0.04
				November 12, 2013	6.82	1074.18	-	16.20	0.05
				May 27, 2014	5.96	1075.04	-	16.22	0.03
				May 19, 2015	-	-	-	16.19	0.06
				May 9, 2016	6.09	1074.91	-	16.20	0.05
				May 16, 2017	5.76	1075.24	-	16.22	0.03
				May 14, 2018	6.00	1075.00	-	16.23	0.02
				May 20, 2019	5.72	1075.28	-	16.16	0.09
				June 15, 2020	-	-	-	16.25	0.00

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AW-05 (cont.)	1081.00	16.25	8.5	May 25, 2021	-	-	-	16.14	0.11
				May 23, 2022	-	-	-	16.22	0.03
				May 22, 2023	-	-	-	16.22	0.03
				May 20, 2024	-	-	-	16.19	0.06
AW-06	1080.72	14.80	9.0	April 21, 2008	6.00	1074.72	-	14.45	0.35
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	14.83	-0.03
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	14.11	0.69
				August 5, 2009	5.71	1075.01	-	13.90	0.90
				November 30, 2009	-	-	-	14.00	0.80
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	13.76	1.04
				November 1, 2010	5.61	1075.11	-	13.60	1.20
				May 9, 2011	5.71	1075.01	-	13.65	1.15
				November 7, 2011	5.74	1074.98	-	13.76	1.04
				May 29, 2012	5.78	1074.94	-	13.72	1.08
				November 26, 2012	6.08	1074.64	-	13.74	1.06
				May 6, 2013	5.81	1074.91	-	14.85	-0.05
				November 12, 2013	5.73	1074.99	-	14.28	0.52
				May 27, 2014	5.68	1075.04	-	14.51	0.29
				May 19, 2015	-	-	-	14.76	0.04
				May 9, 2016	5.82	1074.90	-	14.69	0.11
				May 16, 2017	5.51	1075.21	-	14.51	0.29
				May 14, 2018	5.67	1075.05	-	14.51	0.29
				May 20, 2019	5.44	1075.28	-	14.45	0.35
				June 15, 2020	-	-	-	14.50	0.30
				May 25, 2021	-	-	-	14.41	0.39
				May 23, 2022	-	-	-	14.46	0.34
				May 22, 2023	-	-	-	14.46	0.34
				May 20, 2024	-	-	-	14.48	0.32
AW-07	1080.38	14.56	9.0	April 21, 2008	5.65	1074.73	-	14.40	0.16
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	14.47	0.09
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	14.42	0.14
				August 5, 2009	5.38	1075.00	-	14.41	0.15
				November 30, 2009	-	-	-	14.32	0.24
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	14.25	0.31
				November 1, 2010	5.27	1075.11	-	14.35	0.21
				May 9, 2011	5.36	1075.02	-	14.35	0.21
				November 7, 2011	5.40	1074.98	-	14.40	0.16
				May 29, 2012	5.44	1074.94	-	14.38	0.18
				November 26, 2012	5.74	1074.64	-	14.36	0.20
				May 6, 2013	5.46	1074.92	-	14.35	0.21
				November 12, 2013	5.43	1074.95	-	14.33	0.23
				May 27, 2014	5.34	1075.04	-	14.19	0.37
				May 19, 2015	-	-	-	14.32	0.24
				May 9, 2016	5.47	1074.91	-	14.28	0.28
				May 16, 2017	5.11	1075.27	-	14.22	0.34
				May 14, 2018	5.35	1075.03	-	14.25	0.31
				May 20, 2019	5.10	1075.28	-	14.13	0.43
				June 15, 2020	-	-	-	14.16	0.40
				May 25, 2021	-	-	-	14.13	0.43
				May 23, 2022	-	-	-	14.12	0.44
				May 22, 2023	-	-	-	14.18	0.38
				May 20, 2024	-	-	-	14.18	0.38

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AW-08	1079.93	13.95	8.0	April 21, 2008	5.59	1074.67	-	14.21	0.07
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	14.32	-0.04
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	14.22	0.06
				August 5, 2009	5.25	1075.01	-	14.12	0.16
				November 30, 2009	-	-	-	14.18	0.10
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	13.87	0.41
				November 1, 2010	5.02	1075.24	-	13.97	0.31
				May 9, 2011	5.11	1074.82	-	13.74	0.21
				November 7, 2011	5.16	1074.77	-	13.32	0.63
				May 29, 2012	5.19	1074.74	-	13.29	0.66
				November 26, 2012	5.49	1074.44	-	13.27	0.68
				May 6, 2013	5.23	1074.70	-	14.15	-0.20
				November 12, 2013	5.18	1074.75	-	13.75	0.20
				May 27, 2014	5.10	1074.83	-	13.21	0.74
				May 19, 2015	-	-	-	13.27	0.68
				May 9, 2016	5.22	1074.71	-	13.29	0.66
				May 16, 2017	4.90	1075.03	-	13.28	0.67
				May 14, 2018	5.10	1074.83	-	13.28	0.67
				May 20, 2019	4.87	1075.06	-	13.26	0.69
				June 15, 2020	-	-	-	13.19	0.76
				May 25, 2021	-	-	-	13.21	0.74
				May 23, 2022	-	-	-	13.16	0.79
				May 22, 2023	-	-	-	13.15	0.80
				May 20, 2024	-	-	-	13.13	0.82
AW-09	1080.15	15.13	7.5	April 21, 2008	5.42	1074.73	-	15.11	0.02
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	15.19	-0.06
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	14.95	0.18
				August 5, 2009	5.13	1075.02	-	14.90	0.23
				November 30, 2009	-	-	-	14.80	0.33
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	13.72	1.41
				November 1, 2010	5.03	1075.12	-	13.75	1.38
				May 9, 2011	5.12	1075.03	-	14.85	0.28
				November 7, 2011	5.17	1074.98	-	14.79	0.34
				May 29, 2012	5.18	1074.97	-	14.82	0.31
				November 26, 2012	5.51	1074.64	-	14.83	0.30
				May 6, 2013	5.25	1074.90	-	14.90	0.23
				November 12, 2013	5.16	1074.99	-	14.75	0.38
				May 27, 2014	5.12	1075.03	-	14.29	0.84
				May 19, 2015	-	-	-	14.65	0.48
				May 9, 2016	5.23	1074.92	-	14.60	0.53
				May 16, 2017	4.87	1075.28	-	14.43	0.70
				May 14, 2018	5.13	1075.02	-	14.44	0.69
				May 20, 2019	4.86	1075.29	-	14.45	0.68
				June 15, 2020	-	-	-	14.31	0.82
				May 25, 2021	-	-	-	14.25	0.88
				May 23, 2022	-	-	-	14.27	0.86
				May 22, 2023	-	-	-	14.34	0.79
				May 20, 2024	-	-	-	14.36	0.77
AW-10	1079.78	15.90	7.0	April 21, 2008	5.04	1074.74	-	15.90	0.00
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	15.92	-0.02
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	15.33	0.57

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AW-10 (cont.)	1079.78	15.90	7.0	August 5, 2009	4.77	1075.01	-	15.50	0.40
				November 30, 2009	-	-	-	15.30	0.60
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	15.24	0.66
				November 1, 2010	4.66	1075.12	-	15.14	0.76
				May 9, 2011	4.73	1075.05	-	14.80	1.10
				November 7, 2011	4.77	1075.01	-	15.37	0.53
				May 29, 2012	4.80	1074.98	-	15.25	0.65
				November 26, 2012	5.13	1074.65	-	15.20	0.70
				May 6, 2013	4.85	1074.93	-	15.92	-0.02
				November 12, 2013	4.81	1074.97	-	15.55	0.35
				May 27, 2014	4.73	1075.05	-	14.72	1.18
				May 19, 2015	-	-	-	15.10	0.80
				May 9, 2016	4.87	1074.91	-	14.85	1.05
				May 16, 2017	4.52	1075.26	-	14.78	1.12
				May 14, 2018	4.81	1074.97	-	14.80	1.10
				May 20, 2019	4.52	1075.26	-	14.71	1.19
				June 15, 2020	-	-	-	14.68	1.22
				May 25, 2021	-	-	-	14.88	1.02
				May 23, 2022	-	-	-	14.67	1.23
				May 22, 2023	-	-	-	14.73	1.17
				May 20, 2024	-	-	-	14.67	1.23
AW-11	1080.20	16.30	7.0	April 21, 2008	6.01	1074.73	-	16.19	0.11
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	16.26	0.04
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	16.12	0.18
				August 5, 2009	5.72	1075.02	-	16.02	0.28
				November 30, 2009	-	-	-	15.80	0.50
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	15.60	0.70
				November 1, 2010	5.29	1075.45	-	15.27	1.03
				May 9, 2011	5.42	1074.78	-	15.76	0.54
				November 7, 2011	4.45	1075.75	-	14.93	1.37
				May 29, 2012	5.47	1074.73	-	15.13	1.17
				November 26, 2012	5.80	1074.40	-	15.04	1.26
				May 6, 2013	5.52	1074.68	-	15.92	0.38
				November 12, 2013	5.45	1074.75	-	15.67	0.63
				May 27, 2014	5.40	1074.80	-	15.54	0.76
				May 19, 2015	-	-	-	15.52	0.78
				May 9, 2016	5.52	1074.68	-	15.57	0.73
				May 16, 2017	5.15	1075.05	-	15.56	0.74
				May 14, 2018	5.46	1074.74	-	15.56	0.74
				May 20, 2019	5.12	1075.08	-	15.50	0.80
				June 15, 2020	-	-	-	15.53	0.77
				May 25, 2021	-	-	-	15.41	0.89
				May 23, 2022	-	-	-	15.40	0.90
				May 22, 2023	-	-	-	15.42	0.88
				May 20, 2024	-	-	-	15.36	0.94
AW-12*	1079.47	19.43	10.0	April 21, 2008	4.73	1074.74	-	19.39	0.04
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	19.76	-0.33
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	18.72	19.22	0.21
				August 5, 2009	4.42	1075.05	18.8	19.30	0.13
				November 30, 2009	4.42	1075.05	18.06	19.40	0.03
				February 24, 2010	4.72	1074.75	18.88	19.38	0.05
				May 17, 2010	4.44	1075.03	19.17	19.37	0.06
				November 1, 2010	4.32	1075.15	19.06	19.76	-0.33
				May 9, 2011	4.43	1075.04	19.26	19.76	-0.33

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AW-12* (cont.)	1079.47	19.43	10.0	November 7, 2011	4.47	1075.00	19.26	19.76	-0.33
				May 29, 2012	4.51	1074.96	-	19.73	-0.30
				November 26, 2012	4.83	1074.64	-	19.73	-0.30
				May 6, 2013	4.55	1074.92	-	19.73	-0.30
				November 12, 2013	4.48	1074.99	-	19.73	-0.30
				May 27, 2014	4.42	1075.05	-	18.65	0.78
				November 17, 2014	-	-	-	19.32	0.11
				May 19, 2015	-	-	-	19.23	0.20
				November 18, 2015	-	-	-	-	-
				May 9, 2016	4.58	1074.89	-	18.50	0.93
				November 15, 2016	4.38	1075.09	-	18.55	0.88
				May 16, 2017	4.41	1075.06	-	19.25	0.18
				November 6, 2017	4.57	1074.90	-	19.05	0.38
				May 14, 2018	4.40	1075.07	-	19.40	0.03
				November 14, 2018	4.29	1075.18	-	19.29	0.14
				May 22, 2019	4.36	1075.11	-	19.33	0.10
				November 4, 2019	4.44	1075.03	-	19.28	0.15
				June 15, 2020	-	-	-	19.25	0.18
				November 17, 2020	-	-	-	19.30	0.13
				May 27, 2021	4.59	1074.88	-	19.31	0.12
				November 10, 2021	4.71	1074.76	-	19.29	0.14
				May 23, 2022	4.75	1074.72	-	18.45	0.98
				November 14, 2022	4.75	1074.72	-	18.45	0.98
				May 22, 2023	4.82	1074.65	-	18.45	0.98
				November 6, 2023	4.53	1074.94	-	18.50	0.93
				May 20, 2024	4.67	1074.80	-	18.55	0.88
				November 18, 2024	5.11	1074.36	-	18.47	0.96
AW-13	1079.39	19.00	11.0	April 21, 2008	4.66	1074.73	-	19.02	-0.02
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	19.35	-0.35
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	18.84	0.16
				August 5, 2009	4.37	1075.02	-	18.98	0.02
				November 30, 2009	-	-	-	18.84	0.16
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	18.89	0.11
				November 1, 2010	4.25	1075.14	-	18.54	0.46
				May 9, 2011	4.37	1075.02	-	18.63	0.37
				November 7, 2011	4.40	1074.99	-	18.45	0.55
				May 29, 2012	4.42	1074.97	-	18.57	0.43
				November 26, 2012	4.74	1074.65	-	18.55	0.45
				May 6, 2013	4.47	1074.92	-	18.54	0.46
				November 12, 2013	4.41	1074.98	-	18.42	0.58
				May 27, 2014	4.35	1075.04	-	18.25	0.75
				May 19, 2015	-	-	-	18.20	0.80
				May 9, 2016	4.45	1074.94	-	18.27	0.73
				May 16, 2017	4.13	1075.26	-	18.25	0.75
				May 14, 2018	4.40	1074.99	-	18.20	0.80
				May 20, 2019	4.12	1075.27	-	18.26	0.74
				June 15, 2020	-	-	-	18.16	0.84
				May 25, 2021	-	-	-	18.07	0.93
				May 23, 2022	-	-	-	18.11	0.89
				May 22, 2023	-	-	-	18.15	0.85
				May 20, 2024	-	-	-	18.16	0.84
AW-14	1079.60	23.05	4.0	April 21, 2008	4.01	1075.59	-	20.05	3.00
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	20.05	3.00
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	19.91	3.14
				August 5, 2009	4.26	1075.34	-	19.97	3.08

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AW-14 (cont.)	1079.60	23.05	4.0	November 30, 2009	-	-	-	19.90	3.15
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	20.15	2.90
				November 1, 2010	4.22	1075.38	-	19.86	3.19
				May 9, 2011	3.39	1076.21	-	21.05	2.00
				November 7, 2011	4.45	1075.15	-	21.94	1.11
				May 29, 2012	4.25	1075.35	-	20.80	2.25
				November 26, 2012	5.34	1074.26	-	20.75	2.30
				May 6, 2013	4.27	1075.33	-	20.65	2.40
				November 12, 2013	5.28	1074.32	-	20.73	2.32
				May 27, 2014	3.79	1075.81	-	20.66	2.39
				May 19, 2015	-	-	-	20.57	2.48
				May 9, 2016	4.80	1074.80	-	20.60	2.45
				May 16, 2017	3.80	1075.80	-	20.64	2.41
				May 14, 2018	4.10	1075.50	-	20.64	2.41
				May 20, 2019	3.52	1076.08	-	20.58	2.47
				June 15, 2020	-	-	-	20.59	2.46
				May 25, 2021	-	-	-	20.57	2.48
				May 23, 2022	-	-	-	20.59	2.46
				May 22, 2023	-	-	-	20.56	2.49
				May 20, 2024	-	-	-	20.61	2.44
AW-15	1079.85	19.33	3.0	April 21, 2008	4.27	1075.58	-	19.34	-0.01
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	19.34	-0.01
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	19.30	0.03
				August 5, 2009	4.52	1075.33	-	19.35	-0.02
				November 30, 2009	-	-	-	19.30	0.03
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	19.28	0.05
				November 1, 2010	4.41	1075.44	-	19.86	-0.53
				May 9, 2011	3.66	1076.19	-	19.29	0.04
				November 7, 2011	4.69	1075.16	-	19.36	-0.03
				May 29, 2012	4.51	1075.34	-	19.32	0.01
				November 26, 2012	5.60	1074.25	-	19.31	0.02
				May 6, 2013	4.53	1075.32	-	19.10	0.23
				November 12, 2013	5.56	1074.29	-	19.26	0.07
				May 27, 2014	4.01	1075.84	-	19.08	0.25
				May 19, 2015	-	-	-	19.42	-0.09
				May 9, 2016	5.05	1074.80	-	19.25	0.08
				May 16, 2017	4.01	1075.84	-	19.26	0.07
				May 14, 2018	4.35	1075.50	-	19.26	0.07
				May 20, 2019	3.60	1076.25	-	19.28	0.05
				June 15, 2020	-	-	-	19.12	0.21
				May 25, 2021	-	-	-	19.22	0.11
				May 23, 2022	-	-	-	19.16	0.17
				May 22, 2023	-	-	-	19.20	0.13
				May 20, 2024	-	-	-	19.25	0.08
AW-16	1079.61	18.39	3.0	April 21, 2008	4.04	1075.57	-	17.76	0.63
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	17.70	0.69
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	17.69	0.70
				August 5, 2009	4.30	1075.31	-	17.71	0.68
				November 30, 2009	-	-	-	17.69	0.70
				February 24, 2010	-	-	-	-	-
				May 17, 2010	-	-	-	18.39	0.00
				November 1, 2010	4.19	1075.42	-	18.47	-0.08
				May 9, 2011	3.39	1076.22	-	18.46	-0.07
				November 7, 2011	4.44	1075.17	-	18.48	-0.09

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AW-16 (cont.)	1079.61	18.39	3.0	May 29, 2012	4.29	1075.32	-	18.47	-0.08
				November 26, 2012	5.37	1074.24	-	18.45	-0.06
				May 6, 2013	4.32	1075.29	-	18.42	-0.03
				November 12, 2013	5.31	1074.30	-	18.39	0.00
				May 27, 2014	3.86	1075.75	-	18.40	-0.01
				May 19, 2015	-	-	-	18.39	0.00
				May 9, 2016	4.86	1074.75	-	18.44	-0.05
				May 16, 2017	3.83	1075.78	-	18.45	-0.06
				May 14, 2018	4.21	1075.40	-	18.45	-0.06
				May 20, 2019	3.46	1076.15	-	18.47	-0.08
				June 15, 2020	-	-	-	18.42	-0.03
				May 25, 2021	-	-	-	18.32	0.07
				May 23, 2022	-	-	-	18.43	-0.04
				May 22, 2023	-	-	-	18.35	0.04
				May 20, 2024	-	-	-	18.34	0.05
PMW-01	1079.56	14.65	6.0	April 21, 2008	4.83	1074.73	-	14.67	-0.02
				May 6, 2008	4.85	1074.71	-	14.50	0.15
				August 5, 2008	4.76	1074.80	-	14.52	0.13
				November 10, 2008	4.83	1074.73	-	14.62	0.03
				February 17, 2009	4.50	1075.06	-	14.50	0.15
				May 11, 2009	4.64	1074.92	-	14.47	0.18
				August 5, 2009	4.53	1075.03	-	14.52	0.13
				November 30, 2009	4.46	1075.10	-	14.41	0.24
				February 24, 2010	4.65	1074.91	-	14.52	0.13
				May 17, 2010	4.62	1074.94	-	14.48	0.17
				November 1, 2010	4.45	1075.11	-	14.47	0.18
				May 9, 2011	4.54	1075.02	-	14.47	0.18
				November 7, 2011	4.57	1074.99	-	14.50	0.15
				May 29, 2012	4.60	1074.96	-	14.51	0.14
				November 26, 2012	4.93	1074.63	-	14.45	0.20
				May 6, 2013	4.64	1074.92	-	14.44	0.21
				November 12, 2013	4.59	1074.97	-	14.44	0.21
				May 27, 2014	4.54	1075.02	-	14.44	0.21
				November 17, 2014	4.00	1075.56	-	14.40	0.25
				May 19, 2015	4.39	1075.17	-	14.40	0.25
				November 16, 2015	4.69	1074.87	-	14.46	0.19
				May 9, 2016	4.63	1074.93	-	14.43	0.22
				November 15, 2016	4.97	1074.59	-	14.38	0.27
				May 16, 2017	4.31	1075.25	-	14.40	0.25
				November 6, 2017	-	-	-	-	-
				May 14, 2018	4.65	1074.91	-	14.40	0.25
				November 12, 2018	4.45	1075.11	-	14.43	0.22
				May 20, 2019	4.29	1075.27	-	14.41	0.24
				November 4, 2019	4.35	1075.21	-	14.47	0.18
				June 15, 2020	4.83	1074.73	-	14.40	0.25
				November 17, 2020	4.91	1074.65	-	14.46	0.19
				May 25, 2021	4.86	1074.70	-	14.42	0.23
				November 10, 2021	4.75	1074.81	-	14.43	0.22
				May 23, 2022	4.69	1074.87	-	14.41	0.24
				November 14, 2022	4.83	1074.73	-	14.44	0.21
				May 22, 2023	4.88	1074.68	-	14.44	0.21
				November 6, 2023	4.28	1075.28	-	14.47	0.18
				May 20, 2024	4.79	1074.77	-	14.45	0.20
				November 18, 2024	5.17	1074.39	-	14.39	0.26
PMW-02*	1079.44	11.33	3.0	April 21, 2008	5.74	1074.02	-	11.73	-0.08
				May 6, 2008	6.09	1073.67	-	11.66	-0.01
				August 5, 2008	6.22	1073.54	-	11.62	0.03
				November 10, 2008	6.42	1073.34	-	11.68	-0.03
				February 17, 2009	5.50	1074.26	-	11.62	0.03
				May 11, 2009	6.04	1073.72	-	11.65	0.00
				August 5, 2009	5.63	1074.13	-	11.71	-0.06
				November 30, 2009	5.89	1073.87	-	11.55	0.10

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PMW-02* (cont.)	1079.44	11.33	3.0	February 24, 2010	6.30	1073.46	-	11.66	-0.01
				May 17, 2010	5.86	1073.90	-	11.60	0.05
				November 1, 2010	5.50	1074.26	-	11.68	-0.03
				May 9, 2011	5.36	1074.40	-	11.67	-0.02
				November 7, 2011	5.90	1073.86	-	11.67	-0.02
				May 29, 2012	5.90	1073.86	-	11.70	-0.05
				November 26, 2012	6.41	1073.35	-	11.65	0.00
				May 6, 2013	5.79	1073.97	-	11.68	-0.03
				November 12, 2013	6.35	1073.41	-	11.64	0.01
				May 27, 2014	5.59	1074.17	-	11.69	-0.04
				November 17, 2014	-	-	-	-	-
				May 19, 2015	5.86	1073.90	-	11.60	0.05
				November 16, 2015	6.01	1073.75	-	11.63	0.02
				May 9, 2016	6.18	1073.46	-	11.51	0.02
				November 15, 2016	6.86	1072.78	-	11.50	0.03
				May 16, 2017	5.20	1074.44	-	11.53	0.00
				November 6, 2017	-	-	-	-	-
				May 14, 2018	5.70	1073.94	-	11.53	0.00
				November 12, 2018	5.68	1073.96	-	11.53	0.00
				May 20, 2019	5.32	1074.32	-	11.53	0.00
				November 4, 2019	-	-	-	11.52	0.01
				June 15, 2020	6.58	1073.06	-	11.54	-0.01
				November 17, 2020	6.88	1072.76	-	11.56	-0.03
				May 25, 2021	6.09	1073.55	-	11.39	-0.06
				November 10, 2021	5.92	1073.52	-	11.41	-0.08
				May 23, 2022	4.89	1074.55	-	11.41	-0.08
				November 14, 2022	6.78	1072.66	-	11.42	-0.09
				May 22, 2023	6.18	1073.26	-	11.40	-0.07
				November 6, 2023	6.36	1073.08	-	11.45	-0.12
				May 20, 2024	6.15	1073.29	-	11.42	-0.09
				November 18, 2024	6.99	1072.45	-	11.40	-0.07
PMW-03	1079.80	14.57	9.0	April 21, 2008	5.06	1074.74	-	14.59	-0.02
				May 6, 2008	5.11	1074.69	-	14.60	-0.03
				August 5, 2008	4.99	1074.81	-	14.59	-0.02
				November 10, 2008	5.07	1074.73	-	14.59	-0.02
				February 17, 2009	4.79	1075.01	-	14.55	0.02
				May 11, 2009	4.87	1074.93	-	14.57	0.00
				August 5, 2009	4.78	1075.02	-	14.62	-0.05
				November 30, 2009	4.28	1075.52	-	14.58	-0.01
				February 24, 2010	4.89	1074.91	-	14.58	-0.01
				May 17, 2010	4.84	1074.96	-	14.53	0.04
				November 1, 2010	4.70	1075.10	-	14.58	-0.01
				May 9, 2011	4.76	1075.04	-	14.58	-0.01
				November 7, 2011	4.82	1074.98	-	14.50	0.07
				May 29, 2012	4.81	1074.99	-	14.37	0.20
				November 26, 2012	5.16	1074.64	-	14.45	0.12
				May 6, 2013	4.88	1074.92	-	14.50	0.07
				November 12, 2013	4.88	1074.92	-	14.51	0.06
				May 27, 2014	4.79	1075.01	-	14.50	0.07
				November 17, 2014	5.83	1073.97	-	14.52	0.05
				May 19, 2015	3.35	1076.45	-	14.49	0.08
				November 16, 2015	4.91	1074.89	-	14.52	0.05
				May 9, 2016	4.86	1074.94	-	14.51	0.06
				November 15, 2016	5.21	1074.59	-	14.51	0.06
				May 16, 2017	4.50	1075.30	-	14.53	0.04
				November 6, 2017	-	-	-	-	-
				May 14, 2018	4.80	1075.00	-	14.53	0.04
				November 12, 2018	4.65	1075.15	-	14.53	0.04
				May 20, 2019	4.46	1075.34	-	14.51	0.06
				November 4, 2019	4.75	1075.05	-	14.51	0.06
				June 15, 2020	5.04	1074.76	-	14.54	0.03
				November 17, 2020	5.09	1074.71	-	14.55	0.02

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PMW-03 (cont.)	1079.80	14.57	9.0	May 25, 2021	6.01	1073.79	-	14.45	0.12
				November 10, 2021	4.96	1074.84	-	14.50	0.07
				May 23, 2022	4.92	1074.88	-	14.51	0.06
				November 14, 2022	5.05	1074.75	-	14.52	0.05
				May 22, 2023	5.10	1074.70	-	14.50	0.07
				November 6, 2023	4.62	1075.18	-	14.50	0.07
				May 20, 2024	4.98	1074.82	-	14.53	0.04
				November 18, 2024	5.38	1074.42	-	14.50	0.07
PMW-04	1080.88	14.50	9.0	April 21, 2008	6.16	1074.72	-	14.54	-0.04
				May 6, 2008	6.21	1074.67	-	14.55	-0.05
				August 5, 2008	6.05	1074.83	-	14.49	0.01
				November 10, 2008	6.15	1074.73	-	14.56	-0.06
				February 17, 2009	5.85	1075.03	-	14.49	0.01
				May 11, 2009	5.95	1074.93	-	14.53	-0.03
				August 5, 2009	5.87	1075.01	-	14.56	-0.06
				November 30, 2009	5.78	1075.10	-	14.40	0.10
				February 24, 2010	5.97	1074.91	-	14.53	-0.03
				May 17, 2010	5.93	1074.95	-	14.49	0.01
				November 1, 2010	5.77	1075.11	-	14.52	-0.02
				May 9, 2011	5.86	1075.02	-	14.52	-0.02
				November 7, 2011	5.90	1074.98	-	14.53	-0.03
				May 29, 2012	5.91	1074.97	-	14.55	-0.05
				November 26, 2012	6.24	1074.64	-	14.50	0.00
				May 6, 2013	5.96	1074.92	-	14.49	0.01
				November 12, 2013	5.92	1074.96	-	14.70	-0.20
				May 27, 2014	5.85	1075.03	-	14.46	0.04
				November 17, 2014	5.32	1075.56	-	14.45	0.05
				May 19, 2015	5.70	1075.18	-	14.42	0.08
				November 16, 2015	6.01	1074.87	-	14.45	0.05
				May 9, 2016	5.96	1074.92	-	14.47	0.03
				November 15, 2016	6.32	1074.56	-	14.48	0.02
				May 16, 2017	5.64	1075.24	-	14.45	0.05
				November 6, 2017	5.82	1075.06	-	14.45	0.05
				May 14, 2018	5.85	1075.03	-	14.45	0.05
				November 12, 2018	5.74	1075.14	-	14.47	0.03
				May 20, 2019	5.60	1075.28	-	14.46	0.04
				November 4, 2019	5.83	1075.05	-	14.49	0.01
				June 15, 2020	6.13	1074.75	-	14.50	0.00
				November 17, 2020	6.17	1074.71	-	14.48	0.02
				May 25, 2021	6.12	1074.76	-	14.46	0.04
				November 10, 2021	6.08	1074.80	-	14.48	0.02
				May 23, 2022	6.01	1074.87	-	14.47	0.03
				November 14, 2022	6.15	1074.73	-	14.49	0.01
				May 22, 2023	6.19	1074.69	-	14.48	0.02
				November 6, 2023	5.69	1075.19	-	14.50	0.00
				May 20, 2024	6.09	1074.79	-	14.45	0.05
				November 18, 2024	6.49	1074.39	-	14.48	0.02
PMW-05	1079.79	15.50	7.0	April 21, 2008	5.02	1074.70	-	16.09	-0.59
				May 6, 2008	5.07	1074.65	-	16.09	-0.59
				August 5, 2008	4.93	1074.79	-	16.08	-0.58
				November 10, 2008	5.02	1074.70	-	16.10	-0.60
				February 17, 2009	4.68	1075.04	-	16.18	-0.68
				May 11, 2009	4.82	1074.90	-	16.10	-0.60
				August 5, 2009	4.71	1075.01	-	16.14	-0.64
				November 30, 2009	4.61	1075.11	-	16.04	-0.54
				February 24, 2010	4.83	1074.89	-	16.12	-0.62
				May 17, 2010	4.79	1074.93	-	16.07	-0.57
				November 1, 2010	4.62	1075.10	-	16.08	-0.58
				May 9, 2011	4.72	1075.00	-	16.11	-0.61
				November 7, 2011	4.75	1074.97	-	16.12	-0.62
				May 29, 2012	4.77	1074.95	-	16.14	-0.64
				November 26, 2012	5.09	1074.63	-	16.10	-0.60

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PMW-05 (cont.)	1079.79	15.50	7.0	May 6, 2013	4.82	1074.90	-	16.10	-0.60
				November 12, 2013	4.78	1074.94	-	16.07	-0.57
				May 27, 2014	4.71	1075.01	-	16.09	-0.59
				November 17, 2014	4.14	1075.58	-	16.08	-0.58
				May 19, 2015	4.52	1075.27	-	16.06	-0.56
				November 16, 2015	4.86	1074.93	-	16.06	-0.56
				May 9, 2016	4.82	1074.97	-	16.07	-0.57
				November 15, 2016	5.14	1074.65	-	16.06	-0.56
				May 16, 2017	4.45	1075.34	-	16.08	-0.58
				November 6, 2017	-	-	-	-	-
				May 14, 2018	4.75	1075.04	-	16.08	-0.58
				November 12, 2018	4.60	1075.19	-	16.08	-0.58
				May 20, 2019	4.45	1075.34	-	16.08	-0.58
				November 4, 2019	4.68	1075.11	-	16.10	-0.60
				June 15, 2020	4.99	1074.80	-	16.12	-0.62
				November 17, 2020	5.03	1074.76	-	16.04	-0.54
				May 25, 2021	4.96	1074.83	-	16.05	-0.55
				November 10, 2021	4.91	1074.88	-	16.08	-0.58
				May 23, 2022	4.82	1074.97	-	16.50	-1.00
				November 14, 2022	5.00	1074.79	-	16.10	-0.60
				May 22, 2023	5.05	1074.74	-	16.06	-0.56
				November 6, 2023	4.64	1075.15	-	16.11	-0.61
				May 20, 2024	4.94	1074.85	-	16.08	-0.58
				November 18, 2024	5.33	1074.46	-	16.07	-0.57
PMW-06	1080.39	16.24	7.0	April 21, 2008	5.65	1074.73	-	16.29	-0.05
				May 6, 2008	5.71	1074.67	-	16.36	-0.12
				August 5, 2008	5.57	1074.81	-	16.25	-0.01
				November 10, 2008	5.65	1074.73	-	16.29	-0.05
				February 17, 2009	5.33	1075.05	-	16.23	0.01
				May 11, 2009	5.45	1074.93	-	16.27	-0.03
				August 5, 2009	5.37	1075.01	-	16.15	0.09
				November 30, 2009	5.27	1075.11	-	16.05	0.19
				February 24, 2010	5.46	1074.92	-	15.95	0.29
				May 17, 2010	5.43	1074.95	-	15.84	0.40
				November 1, 2010	5.27	1075.11	-	15.86	0.38
				May 9, 2011	5.35	1075.03	-	15.85	0.39
				November 7, 2011	5.39	1074.99	-	16.30	-0.06
				May 29, 2012	5.42	1074.96	-	16.29	-0.05
				November 26, 2012	5.73	1074.65	-	16.25	-0.01
				May 6, 2013	5.45	1074.93	-	16.23	0.01
				November 12, 2013	5.38	1075.00	-	16.25	-0.01
				May 27, 2014	5.34	1075.04	-	16.23	0.01
				November 17, 2014	4.78	1075.60	-	14.52	1.72
				May 19, 2015	5.15	1075.24	-	16.18	0.06
				November 16, 2015	5.51	1074.88	-	16.19	0.05
				May 9, 2016	5.45	1074.94	-	16.23	0.01
				November 15, 2016	5.80	1074.59	-	16.18	0.06
				May 16, 2017	5.12	1075.27	-	16.18	0.06
				November 6, 2017	5.30	1075.09	-	16.18	0.06
				May 14, 2018	5.35	1075.04	-	16.20	0.04
				November 12, 2018	5.19	1075.20	-	16.21	0.03
				May 20, 2019	5.11	1075.28	-	16.20	0.04
				November 4, 2019	5.33	1075.06	-	16.20	0.04
				June 15, 2020	5.64	1074.75	-	16.20	0.04
				November 17, 2020	5.67	1074.72	-	16.25	-0.01
				May 25, 2021	5.58	1074.81	-	16.15	0.09
				November 10, 2021	5.54	1074.85	-	16.14	0.10
				May 23, 2022	5.00	1075.39	-	16.57	-0.33
				November 14, 2022	5.64	1074.75	-	16.19	0.05
				May 22, 2023	5.69	1074.70	-	16.18	0.06
				November 6, 2023	5.73	1074.66	-	16.21	0.03

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PMW-06 (cont.)	1080.39	16.24	7.0	May 20, 2024	5.59	1074.80	-	16.22	0.02
				November 18, 2024	5.97	1074.42	-	16.19	0.05
PMW-07	1079.56	23.23	4.0	April 21, 2008	4.29	1075.64	-	22.26	1.34
				May 6, 2008	4.70	1075.23	-	22.26	1.34
				August 5, 2008	5.26	1074.67	-	22.18	1.42
				November 10, 2008	5.59	1074.34	-	22.43	1.17
				February 17, 2009	4.67	1075.26	-	22.43	1.17
				May 11, 2009	4.93	1075.00	-	22.43	1.17
				August 5, 2009	4.49	1075.44	-	22.25	1.35
				November 30, 2009	4.89	1075.04	-	22.14	1.46
				February 24, 2010	5.25	1074.68	-	22.24	1.36
				May 17, 2010	4.58	1075.35	-	22.15	1.45
				November 1, 2010	4.29	1075.64	-	21.12	2.48
				May 9, 2011	3.63	1076.30	-	23.60	0.00
				November 7, 2011	4.68	1075.25	-	22.95	0.65
				May 29, 2012	4.51	1075.42	-	22.86	0.74
				November 26, 2012	5.56	1074.37	-	22.90	0.70
				May 6, 2013	4.53	1075.40	-	23.65	-0.05
				November 12, 2013	5.48	1074.45	-	23.49	0.11
				May 27, 2014	4.07	1075.86	-	23.35	0.25
				November 17, 2014	5.10	1074.83	-	23.28	0.32
				May 19, 2015	4.97	1074.96	-	23.28	0.32
				November 16, 2015	4.84	1075.09	-	23.33	0.27
				May 9, 2016	5.01	1074.92	-	23.25	0.35
				November 15, 2016	5.96	1073.97	-	23.21	0.39
				May 16, 2017	4.05	1075.88	-	23.20	0.40
				November 6, 2017	-	-	-	-	-
				May 14, 2018	4.40	1075.53	-	23.20	0.40
				November 12, 2018	4.44	1075.49	-	23.20	0.40
				May 20, 2019	3.83	1076.10	-	23.14	0.46
				November 4, 2019	4.02	1075.91	-	23.23	0.37
				June 15, 2020	5.52	1074.41	-	23.24	0.36
				November 17, 2020	5.83	1074.10	-	23.09	0.51
				May 25, 2021	4.51	1075.42	-	23.00	0.23
				November 10, 2021	4.62	1074.94	-	23.04	0.19
				May 23, 2022	5.01	1074.55	-	23.03	0.20
				November 14, 2022	6.19	1073.37	-	23.05	0.18
				May 22, 2023	4.80	1074.76	-	23.07	0.16
				November 6, 2023	5.32	1074.24	-	23.10	0.13
				May 20, 2024	4.83	1074.73	-	23.03	0.20
				November 18, 2024	6.36	1073.20	-	23.05	0.18
PMW-08	1079.54	23.04	4.0	April 21, 2008	4.46	1075.08	-	23.08	-0.04
				May 6, 2008	5.32	1074.22	-	23.08	-0.04
				August 5, 2008	5.08	1074.46	-	23.02	0.02
				November 10, 2008	5.45	1074.09	-	23.12	-0.08
				February 17, 2009	4.55	1074.99	-	23.02	0.02
				May 11, 2009	4.89	1074.65	-	23.08	-0.04
				August 5, 2009	4.55	1074.99	-	23.11	-0.07
				November 30, 2009	4.85	1074.69	-	22.99	0.05
				February 24, 2010	5.15	1074.39	-	23.09	-0.05
				May 17, 2010	4.63	1074.91	-	23.05	-0.01
				November 1, 2010	4.34	1075.20	-	23.07	-0.03
				May 9, 2011	4.03	1075.51	-	23.09	-0.05
				November 7, 2011	4.65	1074.89	-	23.10	-0.06
				May 29, 2012	4.65	1074.89	-	23.13	-0.09
				November 26, 2012	5.38	1074.16	-	23.09	-0.05
				May 6, 2013	4.62	1074.92	-	23.10	-0.06
				November 12, 2013	5.24	1074.30	-	23.05	-0.01
				May 27, 2014	4.30	1075.24	-	23.09	-0.05
				November 17, 2014	5.02	1074.52	-	23.06	-0.02
				May 19, 2015	4.94	1074.60	-	23.03	0.01
				November 16, 2015	4.72	1074.82	-	23.05	-0.01

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PMW-08 (cont.)	1079.54	23.04	4.0	May 9, 2016	4.96	1074.58	-	23.05	-0.01
				November 15, 2016	5.78	1073.76	-	23.05	-0.01
				May 16, 2017	4.10	1075.44	-	23.07	-0.03
				November 6, 2017	-	-	-	-	-
				May 14, 2018	5.50	1074.04	-	23.07	-0.03
				November 12, 2018	4.41	1075.13	-	23.07	-0.03
				May 20, 2019	4.02	1075.52	-	23.04	0.00
				November 4, 2019	4.41	1075.13	-	23.06	-0.02
				June 15, 2020	5.42	1074.12	-	23.00	0.04
				November 17, 2020	5.82	1073.72	-	23.07	-0.03
				May 25, 2021	4.79	1074.75	-	23.04	0.00
				November 10, 2021	4.79	1074.75	-	23.06	-0.02
				May 23, 2022	5.11	1074.43	-	23.06	-0.02
				November 14, 2022	6.04	1073.50	-	23.10	-0.06
				May 22, 2023	4.98	1074.56	-	23.05	-0.01
				November 6, 2023	5.30	1074.24	-	23.11	-0.07
				May 20, 2024	5.02	1074.52	-	23.06	-0.02
				November 18, 2024	6.31	1073.23	-	23.03	0.01
PMW-09	1080.18	14.43	8.5	April 21, 2008	5.45	1074.73	-	14.45	-0.02
				May 6, 2008	5.51	1074.67	-	14.47	-0.04
				August 5, 2008	5.36	1074.82	-	14.41	0.02
				November 10, 2008	5.45	1074.73	-	14.44	-0.01
				February 17, 2009	5.14	1075.04	-	14.40	0.03
				May 11, 2009	5.25	1074.93	-	14.44	-0.01
				August 5, 2009	5.16	1075.02	-	14.47	-0.04
				November 30, 2009	5.09	1075.09	-	14.35	0.08
				February 24, 2010	5.27	1074.91	-	14.45	-0.02
				May 17, 2010	5.21	1074.97	-	14.41	0.02
				November 1, 2010	5.08	1075.10	-	14.45	-0.02
				May 9, 2011	5.16	1075.02	-	14.42	0.01
				November 7, 2011	5.20	1074.98	-	14.46	-0.03
				May 29, 2012	5.21	1074.97	-	14.47	-0.04
				November 26, 2012	5.54	1074.64	-	14.45	-0.02
				May 6, 2013	5.26	1074.92	-	14.44	-0.01
				November 12, 2013	5.20	1074.98	-	14.41	0.02
				May 27, 2014	5.15	1075.03	-	14.45	-0.02
				November 17, 2014	4.60	1075.58	-	14.42	0.01
				May 19, 2015	5.01	1075.17	-	14.40	0.03
				November 16, 2015	5.31	1074.87	-	14.42	0.01
				May 9, 2016	5.30	1074.88	-	14.41	0.02
				November 15, 2016	5.60	1074.58	-	14.42	0.01
				May 16, 2017	4.94	1075.24	-	14.42	0.01
				November 6, 2017	5.12	1075.06	-	14.42	0.01
				May 14, 2018	5.16	1075.02	-	14.42	0.01
				November 12, 2018	5.04	1075.14	-	14.41	0.02
				May 20, 2019	4.91	1075.27	-	14.40	0.03
				November 4, 2019	5.13	1075.05	-	14.43	0.00
				June 15, 2020	5.45	1074.73	-	14.43	0.00
				November 17, 2020	5.47	1074.71	-	14.43	0.00
				May 25, 2021	5.39	1074.79	-	14.40	0.03
				November 10, 2021	5.38	1074.80	-	14.42	0.01
				May 23, 2022	5.31	1074.87	-	14.42	0.01
				November 14, 2022	5.46	1074.72	-	14.45	-0.02
				May 22, 2023	5.50	1074.68	-	14.40	0.03
				November 6, 2023	5.01	1075.17	-	14.41	0.02
				May 20, 2024	5.40	1074.78	-	14.43	0.00
				November 18, 2024	5.80	1074.38	-	14.40	0.03
PMW-10	1080.25	14.70	8.5	April 21, 2008	5.52	1074.73	-	14.72	-0.02
				May 6, 2008	5.55	1074.70	-	14.70	0.00
				August 5, 2008	5.44	1074.81	-	14.68	0.02
				November 10, 2008	5.51	1074.74	-	14.74	-0.04
				February 17, 2009	5.23	1075.02	-	14.67	0.03

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Well ID	Measuring Point Elevation	Actual Depth to Bottom	Screen Length	Date	Depth to Water (feet TOC)	Groundwater Elevation	Depth to Product (feet TOC)	Depth to Bottom (feet TOC)	Accumulated Thickness of Sediments (feet)
PMW-10 (cont.)	1080.25	14.70	8.5	May 11, 2009	5.33	1074.92	-	14.70	0.00
				August 5, 2009	5.23	1075.02	-	14.76	-0.06
				November 30, 2009	5.14	1075.11	-	14.63	0.07
				February 24, 2010	5.33	1074.92	-	14.73	-0.03
				May 17, 2010	5.30	1074.95	-	14.96	-0.26
				November 1, 2010	5.14	1075.11	-	14.72	-0.02
				May 9, 2011	5.23	1075.02	-	14.72	-0.02
				November 7, 2011	5.26	1074.99	-	14.75	-0.05
				May 29, 2012	5.29	1074.96	-	14.71	-0.01
				November 26, 2012	5.60	1074.65	-	14.72	-0.02
				May 6, 2013	5.33	1074.92	-	14.71	-0.01
				November 12, 2013	5.28	1074.97	-	14.66	0.04
				May 27, 2014	5.22	1075.03	-	14.75	-0.05
				November 17, 2014	4.68	1075.57	-	14.70	0.00
				May 19, 2015	5.06	1075.19	-	14.66	0.04
				November 16, 2015	5.38	1074.87	-	14.69	0.01
				May 9, 2016	5.32	1074.93	-	14.68	0.02
				November 15, 2016	5.66	1074.59	-	14.70	0.00
				May 16, 2017	5.02	1075.23	-	14.68	0.02
				November 6, 2017	5.18	1075.07	-	14.70	0.00
				May 14, 2018	5.25	1075.00	-	14.70	0.00
				November 12, 2018	5.09	1075.16	-	14.69	0.01
				May 20, 2019	4.98	1075.27	-	14.70	0.00
				November 4, 2019	6.30	1073.95	-	14.70	0.00
				June 15, 2020	5.52	1074.73	-	14.70	0.00
				November 17, 2020	5.54	1074.71	-	14.70	0.00
				May 25, 2021	5.46	1074.79	-	14.67	0.03
				November 10, 2021	5.44	1074.81	-	14.69	0.01
				May 23, 2022	5.36	1074.89	-	14.67	0.03
				November 14, 2022	5.53	1074.72	-	14.71	-0.01
				May 22, 2023	5.56	1074.69	-	14.68	0.02
				November 6, 2023	5.09	1075.16	-	14.70	0.00
				May 20, 2024	5.46	1074.79	-	14.70	0.00
				November 18, 2024	5.84	1074.41	-	14.70	0.00
PMW-11	1080.25	14.65	7.5	April 21, 2008	5.52	1074.73	-	14.68	-0.03
				May 6, 2008	5.56	1074.69	-	14.65	0.00
				August 5, 2008	5.45	1074.80	-	14.64	0.01
				November 10, 2008	5.53	1074.72	-	14.65	0.00
				February 17, 2009	5.22	1075.03	-	14.63	0.02
				May 11, 2009	5.33	1074.92	-	14.65	0.00
				August 5, 2009	5.25	1075.00	-	14.71	-0.06
				November 30, 2009	5.16	1075.09	-	14.58	0.07
				February 24, 2010	5.32	1074.93	-	14.67	-0.02
				May 17, 2010	5.31	1074.94	-	14.64	0.01
				November 1, 2010	3.13	1077.12	-	14.69	-0.04
				May 9, 2011	5.24	1075.01	-	14.67	-0.02
				November 7, 2011	5.27	1074.98	-	14.70	-0.05
				May 29, 2012	5.30	1074.95	-	14.67	-0.02
				November 26, 2012	5.60	1074.65	-	14.69	-0.04
				May 6, 2013	5.33	1074.92	-	14.64	0.01
				November 12, 2013	5.29	1074.96	-	14.62	0.03
				May 27, 2014	5.22	1075.03	-	14.69	-0.04
				November 17, 2014	4.67	1075.58	-	14.65	0.00
				May 19, 2015	5.03	1075.22	-	14.61	0.04
				November 16, 2015	5.39	1074.86	-	14.65	0.00
				May 9, 2016	5.43	1074.82	-	14.65	0.00
				November 15, 2016	5.67	1074.58	-	14.65	0.00
				May 16, 2017	5.02	1075.23	-	14.64	0.01
				November 6, 2017	5.20	1075.05	-	14.63	0.02
				May 14, 2018	5.25	1075.00	-	14.65	0.00
				November 12, 2018	5.12	1075.13	-	14.64	0.01
				May 20, 2019	4.99	1075.26	-	14.65	0.00

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PMW-11 (cont.)	1080.25	14.65	7.5	November 4, 2019	5.21	1075.04	-	14.65	0.00
				June 15, 2020	5.57	1074.68	-	14.66	-0.01
				November 17, 2020	5.55	1074.70	-	14.63	0.02
				May 25, 2021	5.46	1074.79	-	14.61	0.04
				November 10, 2021	5.42	1074.83	-	14.63	0.02
				May 23, 2022	5.37	1074.88	-	14.62	0.03
				November 14, 2022	6.53	1073.72	-	14.66	-0.01
				May 22, 2023	5.56	1074.69	-	14.64	0.01
				November 6, 2023	5.10	1075.15	-	14.65	0.00
				May 20, 2024	6.57	1073.68	-	14.64	0.01
				November 18, 2024	5.85	1074.40	-	14.65	0.00
PMW-12	1079.99	14.85	7.0	April 21, 2008	5.61	1074.73	-	16.43	-1.23
				May 6, 2008	5.66	1074.68	-	16.34	-1.14
				August 5, 2008	5.50	1074.84	-	16.31	-1.11
				November 10, 2008	5.60	1074.74	-	16.30	-1.10
				February 17, 2009	5.30	1075.04	-	16.30	-1.10
				May 11, 2009	5.41	1074.93	-	16.20	-1.00
				August 5, 2009	5.33	1075.01	-	16.36	-1.16
				November 30, 2009	5.22	1075.12	-	16.24	-1.04
				February 24, 2010	5.42	1074.92	-	16.23	-1.03
				May 17, 2010	5.38	1074.96	-	16.31	-1.11
				November 1, 2010	5.21	1075.13	-	16.21	-1.01
				May 9, 2011	5.31	1075.03	-	16.22	-1.02
				November 7, 2011	5.34	1075.00	-	16.32	-1.12
				May 29, 2012	5.37	1074.97	-	16.37	-1.17
				November 26, 2012	5.69	1074.65	-	16.31	-1.11
				May 6, 2013	5.41	1074.93	-	16.31	-1.11
				November 12, 2013	5.35	1074.99	-	16.35	-1.15
				May 27, 2014	5.30	1075.04	-	16.32	-1.12
				November 17, 2014	4.73	1075.61	-	16.25	-1.05
				May 19, 2015	5.10	1075.24	-	16.26	-1.06
				November 16, 2015	5.45	1074.89	-	16.25	-1.05
				May 9, 2016	5.41	1074.93	-	16.28	-1.08
				November 15, 2016	5.75	1074.59	-	16.31	-1.11
				May 16, 2017	5.08	1075.26	-	16.25	-1.05
				November 6, 2017	5.21	1075.13	-	16.25	-1.05
				May 14, 2018	5.30	1075.04	-	16.25	-1.05
				November 12, 2018	5.19	1075.15	-	16.27	-1.07
				May 20, 2019	5.05	1075.29	-	16.28	-1.08
				November 4, 2019	5.28	1075.06	-	16.28	-1.08
				June 15, 2020	5.58	1074.76	-	16.30	-1.10
				November 17, 2020	5.62	1074.72	-	16.30	-1.10
				May 25, 2021	5.32	1075.02	-	16.05	-1.20
				November 10, 2021	5.29	1074.70	-	16.08	-1.23
				May 23, 2022	5.22	1074.77	-	16.07	-1.22
				November 14, 2022	5.39	1074.60	-	16.10	-1.25
				May 22, 2023	5.42	1074.57	-	16.05	-1.20
				November 6, 2023	5.40	1074.59	-	16.07	-1.22
				May 20, 2024	5.31	1074.68	-	16.09	-1.24
				November 18, 2024	5.72	1074.27	-	16.06	-1.21
PMW-13	1080.16	15.53	6.5	April 21, 2008	5.45	1074.71	-	16.13	-0.60
				May 6, 2008	5.48	1074.68	-	16.13	-0.60
				August 5, 2008	5.34	1074.82	-	16.10	-0.57
				November 10, 2008	5.41	1074.75	-	16.15	-0.62
				February 17, 2009	5.10	1075.06	-	16.07	-0.54
				May 11, 2009	5.22	1074.94	-	16.12	-0.59
				August 5, 2009	5.14	1075.02	-	16.15	-0.62
				November 30, 2009	5.03	1075.13	-	16.04	-0.51
				February 24, 2010	5.24	1074.92	-	16.12	-0.59
				May 17, 2010	5.20	1074.96	-	16.08	-0.55
				November 1, 2010	5.04	1075.12	-	16.13	-0.60
				May 9, 2011	5.13	1075.03	-	16.12	-0.59

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PMW-13 (cont.)	1080.16	15.53	6.5	November 7, 2011	5.18	1074.98	-	16.16	-0.63
				May 29, 2012	5.20	1074.96	-	16.16	-0.63
				November 26, 2012	5.52	1074.64	-	16.13	-0.60
				May 6, 2013	5.23	1074.93	-	16.13	-0.60
				November 12, 2013	5.18	1074.98	-	16.08	-0.55
				May 27, 2014	5.12	1075.04	-	16.14	-0.61
				November 17, 2014	4.57	1075.59	-	16.10	-0.57
				May 19, 2015	4.92	1075.24	-	16.09	-0.56
				November 16, 2015	5.22	1074.94	-	16.09	-0.56
				May 9, 2016	5.23	1074.93	-	16.10	-0.57
				November 15, 2016	5.51	1074.65	-	16.10	-0.57
				May 16, 2017	4.89	1075.27	-	16.10	-0.57
				November 6, 2017	5.03	1075.13	-	16.09	-0.56
				May 14, 2018	5.15	1075.01	-	16.10	-0.57
				November 12, 2018	4.97	1075.19	-	16.09	-0.56
				May 20, 2019	4.87	1075.29	-	16.08	-0.55
				November 4, 2019	5.10	1075.06	-	16.10	-0.57
				June 15, 2020	5.41	1074.75	-	16.11	-0.58
				November 17, 2020	5.44	1074.72	-	16.11	-0.58
				May 25, 2021	5.34	1074.82	-	16.08	-0.55
				November 10, 2021	5.33	1074.83	-	16.09	-0.56
				May 23, 2022	5.23	1074.93	-	16.10	-0.57
				November 14, 2022	5.41	1074.75	-	16.11	-0.58
				May 22, 2023	5.45	1074.71	-	16.10	-0.57
				November 6, 2023	5.00	1075.16	-	16.15	-0.62
				May 20, 2024	5.33	1074.83	-	16.10	-0.57
				November 18, 2024	5.75	1074.41	-	16.10	-0.57
PMW-14	1080.03	15.90	6.0	April 21, 2008	5.30	1074.73	-	15.96	-0.06
				May 6, 2008	5.34	1074.69	-	15.96	-0.06
				August 5, 2008	5.22	1074.81	-	15.92	-0.02
				November 10, 2008	5.29	1074.74	-	16.03	-0.13
				February 17, 2009	4.97	1075.06	-	15.90	0.00
				May 11, 2009	5.10	1074.93	-	15.94	-0.04
				August 5, 2009	5.01	1075.02	-	15.99	-0.09
				November 30, 2009	4.88	1075.15	-	15.87	0.03
				February 24, 2010	5.11	1074.92	-	15.96	-0.06
				May 17, 2010	5.09	1074.94	-	15.91	-0.01
				November 1, 2010	4.88	1075.15	-	15.96	-0.06
				May 9, 2011	4.99	1075.04	-	15.96	-0.06
				November 7, 2011	5.01	1075.02	-	15.97	-0.07
				May 29, 2012	5.08	1074.95	-	15.98	-0.08
				November 26, 2012	5.37	1074.66	-	15.95	-0.05
				May 6, 2013	5.09	1074.94	-	15.95	-0.05
				November 12, 2013	5.03	1075.00	-	15.91	-0.01
				May 27, 2014	4.92	1075.11	-	15.96	-0.06
				November 17, 2014	4.47	1075.56	-	15.92	-0.02
				May 19, 2015	4.78	1075.25	-	15.90	0.00
				November 16, 2015	5.14	1074.89	-	15.92	-0.02
				May 9, 2016	5.08	1074.95	-	15.91	-0.01
				November 15, 2016	5.42	1074.61	-	15.92	-0.02
				May 16, 2017	4.74	1075.29	-	15.91	-0.01
				November 6, 2017	4.86	1075.17	-	15.90	0.00
				May 14, 2018	5.05	1074.98	-	15.91	-0.01
				November 12, 2018	4.86	1075.17	-	15.91	-0.01
				May 20, 2019	4.71	1075.32	-	15.92	-0.02
				November 4, 2019	4.95	1075.08	-	15.93	-0.03
				June 15, 2020	5.28	1074.75	-	15.95	-0.05
				November 17, 2020	5.30	1074.73	-	15.95	-0.05
				May 25, 2021	5.21	1074.82	-	15.92	-0.02
				November 10, 2021	5.21	1074.82	-	15.93	-0.03
				May 23, 2022	5.11	1074.92	-	15.92	-0.02
				November 14, 2022	5.28	1074.75	-	15.95	-0.05

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PMW-14 (cont.)	1080.03	15.90	6.0	May 22, 2023	5.31	1074.72	-	15.91	-0.01
				November 6, 2023	4.85	1075.18	-	15.98	-0.08
				May 20, 2024	5.17	1074.86	-	15.93	-0.03
				November 18, 2024	5.62	1074.41	-	15.92	-0.02
NRW-01*	1079.09	18.36	13.0	April 21, 2008	4.41	1074.68	-	18.42	-0.06
				May 6, 2008	-	-	-	-	-
				August 5, 2008	5.29	1073.80	-	18.44	-0.08
				November 10, 2008	5.52	1073.57	-	18.42	-0.06
				February 17, 2009	4.51	1074.58	-	18.44	-0.08
				May 11, 2009	5.02	1074.07	-	18.44	-0.08
				August 5, 2009	-	-	-	-	-
				November 30, 2009	4.95	1074.14	-	18.33	0.03
				February 24, 2010	-	-	-	-	-
				May 17, 2010	4.73	1074.36	-	18.39	-0.03
				November 1, 2010	4.28	1074.81	-	18.41	-0.05
				May 9, 2011	3.98	1075.11	-	18.43	-0.07
				November 7, 2011	4.79	1074.30	-	18.45	-0.09
				May 29, 2012	4.73	1074.36	-	18.44	-0.08
				November 26, 2012	5.48	1073.61	-	18.43	-0.07
				May 6, 2013	4.68	1074.41	-	18.45	-0.09
				November 12, 2013	5.43	1073.66	-	18.35	0.01
				May 27, 2014	4.31	1074.78	-	18.44	-0.08
				November 17, 2014	4.72	1074.37	-	18.40	-0.04
				May 19, 2015	4.86	1074.23	-	18.39	-0.03
				November 16, 2015	4.74	1074.35	-	18.42	-0.06
				May 9, 2016	5.09	1074.00	-	18.38	-0.02
				November 15, 2016	6.01	1073.08	-	18.40	-0.04
				May 16, 2017	3.85	1075.24	-	18.41	-0.05
				November 6, 2017	5.30	1073.79	-	18.40	-0.04
				May 14, 2018	4.54	1074.55	-	18.40	-0.04
				November 12, 2018	4.43	1074.66	-	18.38	-0.02
				May 20, 2019	3.92	1075.17	-	18.42	-0.06
				November 4, 2019	4.51	1074.58	-	18.39	-0.03
				June 15, 2020	5.69	1073.40	-	18.49	-0.13
				November 17, 2020	6.22	1072.87	-	18.43	-0.07
				May 25, 2021	4.88	1074.21	-	18.37	-0.01
				November 10, 2021	4.99	1074.10	-	18.38	-0.02
				May 23, 2022	5.24	1073.85	-	18.38	-0.02
				November 14, 2022	6.36	1072.73	-	18.41	-0.05
				May 22, 2023	5.09	1074.00	-	18.38	-0.02
				November 6, 2023	5.55	1073.54	-	18.48	-0.12
				May 20, 2024	5.21	1073.88	-	18.40	-0.04
				November 18, 2024	6.65	1072.44	-	18.40	-0.04
NRW-02*	1079.40	13.20	8.0	April 21, 2008	4.78	1074.72	-	13.34	-0.04
				May 6, 2008	-	-	-	-	-
				August 5, 2008	5.68	1073.82	-	13.25	0.05
				November 10, 2008	5.92	1073.58	-	13.35	-0.05
				February 17, 2009	4.90	1074.60	-	13.28	0.02
				May 11, 2009	5.40	1074.10	-	13.25	0.05
				August 5, 2009	-	-	-	-	-
				November 30, 2009	5.35	1074.15	-	13.12	0.18
				February 24, 2010	-	-	-	-	-
				May 17, 2010	5.10	1074.40	-	13.19	0.11
				November 1, 2010	4.46	1075.04	-	13.35	-0.05
				May 9, 2011	4.32	1075.18	-	13.35	-0.05
				November 7, 2011	5.18	1074.32	-	13.24	0.06
				May 29, 2012	5.14	1074.36	-	13.29	0.01
				November 26, 2012	5.87	1073.63	-	13.35	-0.05
				May 6, 2013	5.05	1074.45	-	13.26	0.04
				November 12, 2013	5.85	1073.65	-	13.29	0.01
				May 27, 2014	4.74	1074.76	-	13.25	0.05
				November 17, 2014	5.27	1074.23	-	13.37	-0.07

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NRW-02* (cont.)	1079.40	13.20	8.0	May 19, 2015	5.31	1074.19	-	13.21	0.09
				November 16, 2015	5.20	1074.30	-	13.28	0.02
				May 9, 2016	5.43	1073.97	-	13.18	0.02
				November 15, 2016	6.35	1073.05	-	13.13	0.07
				May 16, 2017	4.22	1075.18	-	13.20	0.00
				November 6, 2017	5.61	1073.79	-	13.14	0.06
				May 14, 2018	4.95	1074.45	-	13.20	0.00
				November 12, 2018	4.82	1074.58	-	13.24	-0.04
				May 20, 2019	4.20	1075.20	-	13.21	-0.01
				November 4, 2019	4.92	1074.48	-	13.23	-0.03
				June 15, 2020	6.09	1073.31	-	13.23	-0.03
				November 17, 2020	6.62	1072.78	-	13.29	-0.09
				May 25, 2021	5.28	1074.12	-	13.20	0.00
				November 10, 2021	5.32	1074.08	-	13.22	-0.02
				May 23, 2022	5.72	1073.68	-	13.24	-0.04
				November 14, 2022	6.81	1072.59	-	13.29	-0.09
				May 22, 2023	5.51	1073.89	-	13.22	-0.02
				November 6, 2023	6.00	1073.40	-	11.62	1.58
				May 20, 2024	5.63	1073.77	-	13.21	-0.01
				November 18, 2024	7.10	1072.30	-	13.25	-0.05
NRW-03*	1080.26	17.67	18.0	April 21, 2008	4.67	1075.59	-	17.68	-0.01
				May 6, 2008	-	-	-	-	-
				August 5, 2008	5.89	1074.37	-	17.71	-0.04
				November 10, 2008	6.18	1074.08	-	17.74	-0.07
				February 17, 2009	5.30	1074.96	-	17.74	-0.07
				May 11, 2009	5.46	1074.80	-	17.72	-0.05
				August 5, 2009	-	-	-	-	-
				November 30, 2009	5.56	1074.70	-	17.72	-0.05
				February 24, 2010	-	-	-	-	-
				May 17, 2010	5.06	1075.20	-	17.70	-0.03
				November 1, 2010	4.76	1075.50	-	17.73	-0.06
				May 9, 2011	4.14	1076.12	-	17.78	-0.11
				November 7, 2011	5.25	1075.01	-	17.78	-0.11
				May 29, 2012	5.25	1075.01	-	17.79	-0.12
				November 26, 2012	6.22	1074.04	-	17.78	-0.11
				May 6, 2013	5.21	1075.05	-	17.79	-0.12
				November 12, 2013	6.18	1074.08	-	17.73	-0.06
				May 27, 2014	4.79	1075.47	-	17.84	-0.17
				November 17, 2014	6.25	1074.01	-	17.80	-0.13
				May 19, 2015	6.09	1074.17	-	17.85	-0.18
				November 16, 2015	5.45	1074.81	-	17.90	-0.23
				May 9, 2016	5.84	1074.42	-	17.89	-0.22
				November 15, 2016	6.92	1073.34	-	17.90	-0.23
				May 16, 2017	4.90	1075.36	-	17.96	-0.29
				November 6, 2017	6.59	1073.67	-	17.92	-0.25
				May 14, 2018	5.35	1074.91	-	17.97	-0.30
				November 12, 2018	5.14	1075.12	-	17.95	-0.28
				May 20, 2019	4.75	1075.51	-	17.65	0.02
				Location abandoned May 22, 2019					
NRW-04*	1080.55	22.60	18.0	April 21, 2008	4.94	1075.61	-	22.29	0.31
				May 6, 2008	-	-	-	-	-
				August 5, 2008	6.15	1074.40	-	22.24	0.36
				November 10, 2008	6.44	1074.11	-	22.38	0.22
				February 17, 2009	5.31	1075.24	-	22.38	0.22
				May 11, 2009	5.72	1074.83	-	22.23	0.37
				August 5, 2009	-	-	-	-	-
				November 30, 2009	5.81	1074.74	-	22.22	0.38
				February 24, 2010	-	-	-	-	-
				May 17, 2010	5.28	1075.27	-	22.12	0.48
				November 1, 2010	4.98	1075.57	-	22.09	0.51
				May 9, 2011	4.43	1076.12	-	22.09	0.51
				November 7, 2011	5.44	1075.11	-	22.05	0.55

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NRW-04* (cont.)	1080.55	22.60	18.0	May 29, 2012	5.43	1075.12	-	22.12	0.48
				November 26, 2012	6.40	1074.15	-	22.10	0.50
				May 6, 2013	5.39	1075.16	-	22.10	0.50
				November 12, 2013	6.38	1074.17	-	22.51	0.09
				May 27, 2014	4.90	1075.65	-	22.13	0.47
				November 17, 2014	6.35	1074.20	-	22.11	0.49
				May 19, 2015	6.13	1074.42	-	22.64	-0.04
				November 16, 2015	5.51	1075.04	-	22.54	0.06
				May 9, 2016	5.92	1074.63	-	22.65	-0.05
				November 15, 2016	6.87	1073.68	-	22.55	0.05
				May 16, 2017	4.94	1075.61	-	22.68	-0.08
				November 7, 2017	6.60	1073.95	-	22.70	-0.10
				May 14, 2018	5.30	1075.25	-	22.65	-0.05
				November 12, 2018	5.12	1075.43	-	22.60	0.00
				May 20, 2019	4.74	1075.81	-	22.55	0.05
				Location abandoned May 22, 2019					
NRW-05*	1080.76	20.74	14.0	April 21, 2008	NA	NA	-	NA	-
				May 6, 2008	NA	NA	-	NA	-
				August 5, 2008	NA	NA	-	NA	-
				November 10, 2008	NA	NA	-	NA	-
				February 17, 2009	-	-	-	-	-
				May 11, 2009	6.11	1074.65	-	20.03	0.71
				August 5, 2009	-	-	-	-	-
				November 30, 2009	6.22	1074.54	-	20.15	0.59
				February 24, 2010	-	-	-	-	-
				May 17, 2010	5.59	1075.17	-	20.22	0.52
				November 1, 2010	5.18	1075.58	-	20.25	0.49
				May 9, 2011	4.37	1076.39	-	20.27	0.47
				November 7, 2011	5.80	1074.96	-	20.30	0.44
				May 29, 2012	5.78	1074.98	-	20.27	0.47
				November 26, 2012	6.91	1073.85	-	20.30	0.44
				May 6, 2013	5.68	1075.08	-	20.26	0.48
				November 12, 2013	6.87	1073.89	-	20.22	0.52
				May 27, 2014	5.08	1075.68	-	20.28	0.46
				November 17, 2014	5.48	1075.28	-	20.24	0.50
				May 19, 2015	6.60	1074.16	-	20.65	0.09
				November 16, 2015	5.77	1074.99	-	20.64	0.10
				May 9, 2016	6.28	1074.48	-	20.65	0.09
				November 15, 2016	7.59	1073.17	-	20.67	0.07
				May 16, 2017	5.07	1075.69	-	20.68	0.06
				November 6, 2017	7.20	1073.56	-	20.68	0.06
				May 14, 2018	5.61	1075.15	-	20.68	0.06
				November 12, 2018	5.39	1075.37	-	20.66	0.08
				May 20, 2019	4.43	1076.33	-	20.68	0.06
				Location abandoned May 22, 2019					
PZ-0801	1078.67	14.77	11.0	April 21, 2008	3.57	1075.16	-	14.89	0.11
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	5.36	1073.37	-	14.93	0.07
				February 17, 2009	-	-	-	-	-
				May 11, 2009	4.62	1074.11	-	14.88	0.12
				August 5, 2009	-	-	-	-	-
				November 30, 2009	4.71	1074.02	-	14.88	0.12
				February 24, 2010	5.22	1073.51	-	14.87	0.13
				May 17, 2010	4.21	1074.52	-	14.78	0.22
				November 1, 2010	3.71	1075.02	-	14.86	0.14
				May 9, 2011	2.96	1075.77	-	14.81	0.19
				November 7, 2011	4.25	1074.48	-	14.88	0.12
				May 29, 2012	4.04	1074.69	-	14.88	0.12
				November 26, 2012	5.24	1073.49	-	14.83	0.17
				May 6, 2013	3.95	1074.78	-	14.81	0.19
				November 12, 2013	5.21	1073.52	-	14.78	0.22

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PZ-0801 (cont.)	1078.67	15.00	11.0	May 27, 2014	3.57	1075.16	-	14.83	0.17
				November 17, 2014	-	-	-	-	-
				May 19, 2015	4.83	1074.07	-	13.90	1.10
				November 16, 2015	4.30	1074.60	-	13.90	1.10
				May 9, 2016	4.88	1074.02	-	13.88	1.12
				November 15, 2016	5.99	1072.91	-	13.89	1.11
				May 16, 2017	3.72	1075.18	-	13.87	1.13
				November 6, 2017	5.81	1073.09	-	13.85	1.15
				May 14, 2018	4.01	1074.89	-	13.85	1.15
				November 12, 2018	4.12	1074.78	-	13.86	1.14
				May 20, 2019	3.65	1075.25	-	13.89	1.11
				November 4, 2019	3.98	1074.92	-	13.90	1.10
				June 15, 2020	5.67	1073.23	-	13.89	1.11
				November 17, 2020	6.26	1072.64	-	13.92	1.08
				May 25, 2021	4.58	1074.32	-	13.85	1.15
				November 10, 2021	4.32	1074.35	-	13.71	1.06
				May 23, 2022	5.09	1073.58	-	13.76	1.01
				November 14, 2022	6.66	1072.01	-	13.74	1.03
				May 22, 2023	4.66	1074.01	-	13.71	1.06
				November 6, 2023	5.60	1073.07	-	13.71	1.06
				May 20, 2024	4.56	1074.11	-	13.72	1.05
				November 18, 2024	6.92	1071.75	-	13.70	1.07
PZ-0802	1081.37	14.25	11.0	April 21, 2008	5.54	1075.88	-	14.44	-0.14
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	6.73	1074.69	-	14.42	-0.12
				February 17, 2009	-	-	-	-	-
				May 11, 2009	5.78	1075.64	-	14.42	-0.12
				August 5, 2009	5.73	1075.69	-	14.45	-0.15
				November 30, 2009	6.11	1075.31	-	14.28	0.02
				February 24, 2010	6.40	1075.02	-	14.34	-0.04
				May 17, 2010	5.56	1075.86	-	14.38	-0.08
				November 1, 2010	5.58	1075.84	-	14.02	0.28
				May 9, 2011	5.17	1076.25	-	14.20	0.10
				November 7, 2011	5.75	1075.67	-	13.95	0.35
				May 29, 2012	5.72	1075.70	-	13.93	0.37
				November 26, 2012	6.70	1074.72	-	13.95	0.35
				May 6, 2013	5.83	1075.59	-	13.89	0.41
				November 12, 2013	6.42	1075.00	-	13.82	0.48
				May 27, 2014	5.63	1075.79	-	13.83	0.47
				November 17, 2014	6.42	1075.00	-	13.82	0.48
				May 19, 2015	6.29	1075.13	-	13.87	0.43
				November 16, 2015	5.95	1075.47	-	13.81	0.49
				May 9, 2016	5.32	1076.10	-	13.90	0.40
				November 15, 2016	7.80	1073.62	-	13.86	0.44
				May 16, 2017	5.50	1075.92	-	13.91	0.39
				November 6, 2017	6.09	1075.33	-	13.80	0.50
				May 14, 2018	4.48	1076.94	-	13.80	0.50
				November 12, 2018	5.71	1075.71	-	13.94	0.36
				May 20, 2019	5.45	1075.97	-	13.90	0.40
				November 4, 2019	5.61	1075.81	-	13.92	0.38
				June 15, 2020	6.71	1074.71	-	13.92	0.38
				November 17, 2020	7.22	1074.20	-	13.90	0.40
				May 25, 2021	6.16	1075.26	-	13.93	0.37
				November 10, 2021	5.98	1075.39	-	13.80	0.45
				May 23, 2022	6.60	1074.77	-	13.72	0.53
				November 14, 2022	7.49	1073.88	-	13.84	0.41
				May 22, 2023	5.95	1075.42	-	13.32	0.93
				November 6, 2023	6.43	1074.94	-	13.22	1.03
				May 20, 2024	5.98	1075.39	-	13.18	1.07
				November 18, 2024	7.75	1073.62	-	13.59	0.66

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PZ-0803	1081.84	21.50	18.0	April 21, 2008	6.35	1075.49	-	21.55	-0.05
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	7.01	1074.83	-	21.56	-0.06
				February 17, 2009	-	-	-	-	-
				May 11, 2009	6.48	1075.36	-	21.49	0.01
				August 5, 2009	6.15	1075.69	-	21.58	-0.08
				November 30, 2009	7.49	1074.35	-	21.49	0.01
				February 24, 2010	6.70	1075.14	-	21.46	0.04
				May 17, 2010	6.25	1075.59	-	21.45	0.05
				November 1, 2010	6.15	1075.69	-	21.51	-0.01
				May 9, 2011	5.74	1076.10	-	21.50	0.00
				November 7, 2011	6.30	1075.54	-	21.52	-0.02
				May 29, 2012	6.19	1075.65	-	21.54	-0.04
				November 26, 2012	6.92	1074.92	-	21.48	0.02
				May 6, 2013	6.27	1075.57	-	21.51	-0.01
				November 12, 2013	6.74	1075.10	-	21.45	0.05
				May 27, 2014	5.93	1075.91	-	21.46	0.04
				November 17, 2014	6.62	1075.22	-	21.45	0.05
				May 19, 2015	6.39	1075.45	-	21.43	0.07
				November 16, 2015	6.42	1075.42	-	21.46	0.04
				May 9, 2016	6.39	1075.45	-	21.45	0.05
				November 15, 2016	7.15	1074.69	-	21.47	0.03
				May 16, 2017	5.98	1075.86	-	21.46	0.04
				November 6, 2017	6.82	1075.02	-	21.42	0.08
				May 14, 2018	6.09	1075.75	-	21.46	0.04
				November 12, 2018	6.06	1075.78	-	21.43	0.07
				May 20, 2019	5.76	1076.08	-	21.43	0.07
				November 4, 2019	6.12	1075.72	-	21.47	0.03
				June 15, 2020	6.76	1075.08	-	21.45	0.05
				November 17, 2020	7.02	1074.82	-	21.48	0.02
				May 25, 2021	6.33	1075.51	-	21.42	0.08
				November 10, 2021	6.46	1075.38	-	21.47	0.03
				May 23, 2022	6.55	1075.29	-	21.48	0.02
				November 14, 2022	7.28	1074.56	-	21.46	0.04
				May 22, 2023	6.58	1075.26	-	21.45	0.05
				November 6, 2023	6.60	1075.24	-	21.45	0.05
				May 20, 2024	6.50	1075.34	-	21.45	0.05
				November 18, 2024	7.47	1074.37	-	21.42	0.08
PZ-105*	1077.23	6.10	5.0	April 21, 2008	5.29	1071.94	-	5.68	0.42
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	5.69	0.41
				February 17, 2009	-	-	-	-	-
				May 11, 2009	4.92	1072.31	-	5.68	0.42
				August 5, 2009	-	-	-	5.68	0.42
				November 30, 2009	-	-	-	5.68	0.42
				February 24, 2010	-	-	-	5.71	0.39
				May 17, 2010	-	-	-	5.71	0.39
				November 1, 2010	-	-	-	5.74	0.36
				May 9, 2011	-	-	-	5.74	0.36
				November 7, 2011	5.67	1071.56	-	5.72	0.38
				May 29, 2012	5.03	1072.20	-	5.76	0.34
				November 26, 2012	-	-	-	5.69	0.41
				May 6, 2013	4.86	1072.37	-	5.69	0.41
				November 12, 2013	5.64	1071.59	-	5.71	0.39
				May 27, 2014	5.28	1071.95	-	5.68	0.42
				November 17, 2014	-	-	-	6.03	0.07
				May 19, 2015	-	-	-	5.71	0.39
				November 16, 2015	5.57	1071.66	-	5.71	0.39
				May 9, 2016	-	-	-	5.71	0.39
				November 15, 2016	5.56	1071.67	-	5.71	0.39

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PZ-105* (cont.)	1077.23	6.10	5.0	May 16, 2017	4.85	1072.38	-	5.72	0.38
				November 6, 2017	-	-	-	5.71	0.39
				May 14, 2018	5.08	1072.15	-	5.72	0.38
				November 12, 2018	5.50	1071.73	-	5.72	0.38
				May 20, 2019	5.10	1072.13	-	5.70	0.40
				November 4, 2019	5.04	1072.19	-	5.71	0.39
				June 15, 2020	5.54	1071.69	-	5.70	0.40
				November 17, 2020	-	-	-	-	-
				May 25, 2021	5.58	1071.65	-	5.70	0.40
				November 10, 2021	Dry	-	-	5.71	0.39
				May 23, 2022	Dry	-	-	5.71	0.39
				November 14, 2022	Dry	-	-	5.70	0.40
				May 22, 2023	5.55	1071.68	-	5.70	0.40
				November 6, 2023	Dry	-	-	5.70	0.40
				May 20, 2024	Dry	-	-	5.72	0.38
				November 18, 2024	Dry	-	-	5.70	0.40
SG-107	1081.96	-	-	April 21, 2008	8.90	1073.06	-	-	-
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	7.04	1074.92	-	-	-
				February 17, 2009	6.38	1075.58	-	-	-
				May 11, 2009	6.59	1075.37	-	-	-
				August 5, 2009	6.52	1075.44	-	-	-
				November 30, 2009	6.63	1075.33	-	-	-
				February 24, 2010	6.82	1075.14	-	-	-
				May 17, 2010	6.54	1075.42	-	-	-
				November 1, 2010	6.51	1075.45	-	-	-
				May 9, 2011	6.60	1075.36	-	-	-
				November 7, 2011	6.58	1075.38	-	-	-
				May 29, 2012	6.74	1075.22	-	-	-
				November 26, 2012	6.82	1075.14	-	-	-
				May 6, 2013	6.74	1075.22	-	-	-
				November 12, 2013	6.85	1075.11	-	-	-
				May 27, 2014	6.68	1075.28	-	-	-
				November 17, 2014	6.85	1075.11	-	-	-
				May 19, 2015	6.79	1075.17	-	-	-
				November 16, 2015	6.81	1075.15	-	-	-
				May 9, 2016	6.72	1075.24	-	-	-
				November 15, 2016	6.91	1075.05	-	-	-
				May 16, 2017	6.66	1075.30	-	-	-
				November 6, 2017	6.80	1075.16	-	-	-
				May 14, 2018	6.77	1075.19	-	-	-
				November 12, 2018	6.33	1075.63	-	-	-
				May 20, 2019	6.60	1075.36	-	-	-
				November 4, 2019	6.61	1075.35	-	-	-
				June 15, 2020	6.83	1075.13	-	-	-
				November 17, 2020	7.03	1074.93	-	-	-
				May 25, 2021	6.82	1075.14	-	-	-
				November 10, 2021	6.93	1075.03	-	-	-
				May 23, 2022	6.84	1075.12	-	-	-
				November 14, 2022	7.12	1074.84	-	-	-
				May 22, 2023	7.12	1074.84	-	-	-
				November 6, 2023	6.67	1075.29	-	-	-
				May 20, 2024	6.95	1075.01	-	-	-
				November 18, 2024	7.17	1074.79	-	-	-
SG-105	1079.45	-	-	April 21, 2008	3.96	1075.49	-	-	-
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	-	-	-	-	-
				February 17, 2009	-	-	-	-	-
				May 11, 2009	-	-	-	-	-
				August 5, 2009	-	-	-	-	-

See notes on last page.

Table 2
Gauging Data
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Well ID	Measuring Point Elevation	Actual Depth to Bottom	Screen Length	Date	Depth to Water (feet TOC)	Groundwater Elevation	Depth to Product (feet TOC)	Depth to Bottom (feet TOC)	Accumulated Thickness of Sediments (feet)
SG-105 (cont.)	1079.45	-	-	November 30, 2009	-	-	-	-	-
				February 24, 2010	-	-	-	-	-
				May 17, 2010	4.31	1075.14	-	-	-
				November 1, 2010	4.39	1075.06	-	-	-
				May 9, 2011	4.05	1075.40	-	-	-
				November 7, 2011	3.94	1075.51	-	-	-
				May 29, 2012	3.29	1076.16	-	-	-
				November 26, 2012	3.89	1075.56	-	-	-
				May 6, 2013	3.65	1075.80	-	-	-
				November 12, 2013	3.86	1075.59	-	-	-
				May 27, 2014	4.18	1075.27	-	-	-
				November 17, 2014	4.79	1074.66	-	-	-
				May 19, 2015	4.19	1075.26	-	-	-
				November 16, 2015	4.11	1075.34	-	-	-
				May 9, 2016	4.18	1075.27	-	-	-
				November 15, 2016	3.86	1075.59	-	-	-
				May 16, 2017	3.51	1075.94	-	-	-
				November 6, 2017	4.72	1074.73	-	-	-
				May 14, 2018	4.24	1075.21	-	-	-
				November 12, 2018	4.37	1075.08	-	-	-
				May 20, 2019	4.27	1075.18	-	-	-
				November 4, 2019	4.37	1075.08	-	-	-
				June 15, 2020	4.32	1075.13	-	-	-
				November 17, 2020	-	-	-	-	-
				May 25, 2021	4.35	1075.10	-	-	-
				November 10, 2021	4.81	1074.64	-	-	-
				May 23, 2022	4.86	1074.59	-	-	-
				November 14, 2022	4.86	1074.59	-	-	-
				May 22, 2023	3.93	1075.52	-	-	-
				November 6, 2023	4.10	1075.35	-	-	-
				May 20, 2024	4.57	1074.88	-	-	-
				November 18, 2024	4.21	1075.24	-	-	-
SG-110	1081.24	-	-	April 21, 2008	4.60	1076.21	-	-	-
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	4.49	1076.32	-	-	-
				February 17, 2009	4.12	1076.69	-	-	-
				May 11, 2009	4.39	1076.42	-	-	-
				August 5, 2009	4.40	1076.41	-	-	-
				November 30, 2009	-	-	-	-	-
				February 24, 2010	-	-	-	-	-
				May 17, 2010	5.05	1075.76	-	-	-
				November 1, 2010	-	-	-	-	-
				May 9, 2011	-	-	-	-	-
				November 7, 2011	5.34	-	-	-	-
				May 29, 2012	5.41	1076.84	-	-	-
				November 26, 2012	-	-	-	-	-
				May 6, 2013	5.20	-	-	-	-
				November 12, 2013	5.19	-	-	-	-
				May 27, 2014	5.19	-	-	-	-
				November 17, 2014	5.05	-	-	-	-
				May 19, 2015	5.25	1076.50	-	-	-
				November 16, 2015	5.44	1076.31	-	-	-
				May 9, 2016	5.41	1076.34	-	-	-
				November 15, 2016	5.50	1076.25	-	-	-
				May 16, 2017	4.95	1076.80	-	-	-
				November 6, 2017	5.36	1076.39	-	-	-
				May 14, 2018	5.65	1076.10	-	-	-
				November 12, 2018	4.90	1076.85	-	-	-
				May 20, 2019	5.10	1076.65	-	-	-
				November 4, 2019	5.21	1076.54	-	-	-
				June 15, 2020	5.67	1076.08	-	-	-

See notes on last page.

Table 2
Gauging Data
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Well ID	Measuring Point Elevation	Actual Depth to Bottom	Screen Length	Date	Depth to Water (feet TOC)	Groundwater Elevation	Depth to Product (feet TOC)	Depth to Bottom (feet TOC)	Accumulated Thickness of Sediments (feet)
SG-110 (cont.)	1081.24	-	-	November 17, 2020	5.52	1076.23	-	-	-
				May 25, 2021	5.68	1076.07	-	-	-
				November 10, 2021	5.32	1075.98	-	-	-
				May 23, 2022	5.27	1076.03	-	-	-
				November 14, 2022	5.76	1075.54	-	-	-
				May 22, 2023	5.84	1075.46	-	-	-
				November 6, 2023	-	-	-	-	-
				May 20, 2024	5.99	1075.25	-	-	-
				November 18, 2024	5.82	1075.42	-	-	-
SG-111	1076.04	-	-	April 21, 2008	4.22	1074.14	-	-	-
				May 6, 2008	-	-	-	-	-
				August 5, 2008	-	-	-	-	-
				November 10, 2008	4.18	1074.18	-	-	-
				February 17, 2009	3.80	1074.56	-	-	-
				May 11, 2009	3.97	1074.39	-	-	-
				August 5, 2009	3.86	1074.50	-	-	-
				November 30, 2009	3.89	1074.47	-	-	-
				February 24, 2010	-	-	-	-	-
				May 17, 2010	3.98	1074.42	-	-	-
				November 1, 2010	3.82	1074.58	-	-	-
				May 9, 2011	4.09	1074.31	-	-	-
				November 7, 2011	4.15	1074.25	-	-	-
				May 29, 2012	4.30	1074.10	-	-	-
				November 26, 2012	4.42	1073.98	-	-	-
				May 6, 2013	4.30	1074.10	-	-	-
				November 12, 2013	4.15	1074.25	-	-	-
				May 27, 2014	4.28	1074.12	-	-	-
				November 17, 2014	4.05	1074.35	-	-	-
				May 19, 2015	4.35	1074.05	-	-	-
				November 16, 2015	4.42	1073.98	-	-	-
				May 9, 2016	4.49	1073.91	-	-	-
				November 15, 2016	5.65	1072.75	-	-	-
				May 16, 2017	5.45	1072.95	-	-	-
				November 6, 2017	5.37	1073.03	-	-	-
				May 14, 2018	5.70	1072.70	-	-	-
				November 12, 2018	5.45	1072.95	-	-	-
				May 20, 2019	5.40	1073.00	-	-	-
				November 4, 2019	5.47	1072.93	-	-	-
				June 15, 2020	5.80	1072.60	-	-	-
				November 17, 2020	5.71	1072.69	-	-	-
				May 25, 2021	5.80	1072.60	-	-	-
				November 10, 2021	5.68	1072.72	-	-	-
				May 23, 2022	4.56	1073.84	-	-	-
				November 14, 2022	5.41	1072.99	-	-	-
				May 22, 2023	-	-	-	-	-
				November 6, 2023	-	-	-	-	-
				May 20, 2024	3.69	1072.35	-	-	-
				November 18, 2024	3.01	1073.03	-	-	-

See notes on last page.

Table 2
Gauging Data
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Notes:

1. All measurements from TOC.
2. "-" Indicates measurement not taken or not available.
3. Elevations in feet above mean sea level, 1929 National Geodetic Vertical Datum.
4. NA - indicates NRW not installed at time of gauging event.
5. SG-105 re-installed in April 2008 and missing on November 2008 gauging event.
6. During the November 2009 gauging event, SG-105 and SG-110 were destroyed.
7. During the February 2010 gauging event, SG-111 was not accessible.
8. During the May 2010 site activities:
   - SG-110 and SG-105 were replaced and resurveyed at a later date.
   - The riser height for MW-9502S, AW-01, AW-04, AW-08, AW-11 was adjusted, and the wells were resurveyed on May 9, 2011.
   - MW-0203, MW-0301, MW-8806S, MW-8807S, MW-8808S, MW-9110S, AW-03, AW-04, AW-05, AW-14, and AW-16 were redeveloped. Depth to bottom measurements for these wells list the depth to bottom recorded after redevelopment.
9. During the May 2011 site activities:
   - SG-105, SG-111, MW-9502S, AW-01, AW-04, AW-08, and AW-11 locations and elevations were resurveyed on May 9, 2011.
   - AW-06, AW-09, AW-AW-14, and PMW-07 were redeveloped on May 31, 2011. Depth to bottom measurements for these wells list depth to bottom recorded after redevelopment.
10. SG-110 was missing during the November 2010 and May 2011 gauging events.
11. SG-110 was reinstalled during the November 2011 site visit and discovered missing before it could be resurveyed.
12. SG-110 was reinstalled during the May 2012 site visit and resurveyed on May 30, 2012.
13. SG-110 was reinstalled during the November 2012 site visit. Survey information was not available for inclusion in this report.
14. * Indicates location was installed with a sump. Refer to well construction log for respective sump length.
15. Calculations of percent screen occluded are based on total screen length installed and do not take into consideration length of saturated screen.
16. Gauging data could not be collected from locations PMW-02 and PZ-0801 on November 17, 2014, due to standing surface water at time of gauging.
17. SG-110, PZ-0801, PMW-05, and PMW-06 were resurveyed on May 20, 2015.
18. Removed 0.12 feet of riser from PMW-02 after the November 16, 2015 gauging event.
19. Removed 0.10 feet of riser from NRW-02 after the November 16, 2015 gauging event.
20. Gauging data could not be collected on November 6, 2018, from locations PMW-01, PMW-02, PMW-03, PMW-05, PMW-07, and PMW-08 due to standing surface water at the time of gauging.
21. Due to standing surface water at the time of the November 6, 2017 gauging event, NRW-04 was gauged on November 7, 2017.
22. NRW-03, NRW-04, and NRW-05 were abandoned during the May 2019 annual site visit.
23. MW-8806S could not be located during the November 4, 2019 gauging event and was located and gauged on November 6, 2019.
24. The depth to water measurement that was recorded at PMW-02 on November 4, 2019, was erroneous and omitted from the gauging table.
25. MW-0203 could not be located on May 5, 2021. It was located on May 27, 2021, and observed to be damaged.
26. On May 25, 2021, the following locations were re-surveyed: PMW-02, PMW-07, PMW-12, PZ-0801, PZ-0802, MW-9502S, and SG-110.
27. SG-111 was missing during the May 2023 site visit. It was reinstalled and resurveyed during the May 2024 site visit.
28. SG-110 was missing during the November 2023 site visit. It was reinstalled and resurveyed during the May 2024 site visit.

Acronyms and Abbreviations:

AW - application well
MW - monitoring well
NAPL - non-aqueous phase liquid
NRW - NAPL recovery well
PMW - performance monitoring well
PZ - piezometer
SG - staff gauge
TOC - Top of Casing

Table 3
Reporting Period Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-0201		MW-0203	MW-8604S		MW-8806S		MW-9111S	
Date Collected:			05/21/24	11/19/24	05/21/24	05/21/24	11/19/24	05/21/24	11/19/24	05/21/24	11/19/24
BTEX											
Benzene	1	µg/L	**96**	**36**	1.0 U	1.0 U	1.0 U	4.0 U	**0.43 J**	1.0 U	1.0 U
Ethylbenzene	5	µg/L	**110**	**20**	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5	µg/L	**20**	**3.1 J**	2.0 U	2.0 U	2.0 U	8.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5	µg/L	**55**	**25**	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	µg/L	**3.3**	**1.5 J**	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	µg/L	**75**	**28**	2.0 U	2.0 U	2.0 U	8.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	µg/L	**284**	**85.5 J**	ND	ND	ND	ND	**0.43 J**	ND	ND
PAHs											
Acenaphthene	20	µg/L	25 U	25 U	5.0 U	**1.9 J**	5.0 U	5.0 U	5.0 U	**1.9 J**	**3.5 J**
Acenaphthylene	- -	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Anthracene	50	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	0.002	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	0	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	0.002	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	- -	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	0.002	ug/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chrysene	0.002	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenzo(a,h)anthracene	- -	ug/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	50	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluorene	50	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	10	µg/L	**180**	**140**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	50	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Pyrene	50	µg/L	25 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Total PAHs	- -	µg/L	**180**	**140**	ND	**1.9 J**	ND	ND	ND	**1.9 J**	**3.5 J**

See notes on last page.

Table 3
Reporting Period Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9112D		MW-9112S		MW-9114S	MW-9502S	PTMW-0202	
Date Collected:			05/21/24	11/19/24	05/21/24	11/19/24	05/21/24	05/21/24	05/21/24	11/19/24
BTEX										
Benzene	1	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**8.3**	**390 J**
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
m/p-Xylenes	5	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	8.0 U	10 U
o-Xylene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	**5.1**
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	5.0 U
Xylenes (total)	5	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	8.0 U	**5.1 J**
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	**8.3**	**395 J**
PAHs										
Acenaphthene	20	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**26 J**	**63 D**
Acenaphthylene	- -	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	**0.56 J**
Anthracene	50	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**0.28 J**	**1.2 J**
Benzo(a)anthracene	0.002	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Benzo(a)pyrene	0	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Benzo(b)fluoranthene	0.002	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Benzo(g,h,i)perylene	- -	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Benzo(k)fluoranthene	0.002	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Chrysene	0.002	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Dibenzo(a,h)anthracene	- -	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Fluoranthene	50	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**0.51 J**	**0.95 J**
Fluorene	50	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**4.0 J**	**17**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Naphthalene	10	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**8.2**
Phenanthrene	50	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	**3.1 J**
Pyrene	50	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**0.56 J**	**0.94 J**
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	**31.4 J**	**95.0 J**

See notes on last page.

Table 3
Reporting Period Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Notes:

1. Samples were submitted to Eurofins TestAmerica, Amherst, New York, for analysis using USEPA SW-846 Methods 8260B (VOCs) and 8270C (SVOCs).
2. - - Indicates no NYSDEC Division of Water TOGS 1.1.1 Water Quality Standard or Guidance Value (NYSDEC 1998) established.
3. Sample results detected above the MDL are presented in bold font.
4. Shading indicates that the result exceeds the NYSDEC TOGS 1.1.1 Water Quality Standard or Guidance Value (NYSDEC 1998).
5. Only detected BTEX and PAHs are presented.
6. For groundwater samples where the laboratory reported both the individual congeners for xylenes (m/p- & o-) plus a value for total xylenes, total BTEX calculations used the laboratory reported value for total xylenes.

Acronyms and Abbreviations:

BTEX - benzene, ethylbenzene, toluene, and xylenes
MDL - Method Detection Limit
ND - not detected
NYSDEC - New York State Department of Environmental Conservation
PAH - polycyclic aromatic hydrocarbons
PQL - practical quantitation limit
SVOC - semi-volatile organic compound
TOGS - Technical and Operational Guidance
µg/L - micrograms per liter
USEPA - United States Environmental Protection Agency
VOC - volatile organic compound

Lab 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.

Reference:

NYSDEC 1998. Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. October 22, 2993; reissued June 1998.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-0201													
Date Collected:			05/29/03	04/22/08	11/11/08	05/12/09	12/02/09	05/20/10	11/02/10	05/10/11	11/08/11	05/30/12	11/29/12	05/09/13	11/14/13	05/28/14
BTEX																
Benzene	1	µg/L	**2,500**	**1,300 D**	**1,700**	**930 D**	**1,900 D**	**1,200**	**2,200 DJ**	**270**	**1,400 D**	**850 J**	**670**	**690**	**500**	**310**
Ethylbenzene	5	µg/L	**500**	**550 D**	**660**	**290 D**	**670 D**	**380**	**810 DJ**	**100**	**640 D**	**290 J**	**480**	**350**	**390**	**180**
m/p-Xylenes	5	µg/L	NA	**100**	NA	**36**	**93**	**26 J**	**86**	**6.7 J**	**83**	**28**	**39**	**40**	**24**	**13**
o-Xylene	5	µg/L	NA	**180 D**	NA	**87 D**	**200 D**	**110**	**240 D**	**32**	**200 D**	**110**	**150**	**150**	**120**	**79**
Toluene	5	µg/L	**28 J**	**19**	**18 J**	**9.9**	**17**	**11 J**	**16**	**3.3 J**	**15**	**9.6 J**	**9.6 J**	**11**	**8.1 J**	**4.8 J**
Xylenes (total)	5	µg/L	**530**	NA	**310**	**110 D**	**290 D**	**140**	**350 D**	**39**	**280 D**	**140**	**190**	**190**	**140**	**92**
Total BTEX	- -	µg/L	**3,558**	**2,149**	**2,688 J**	**1,340**	**2,877**	**1,731 J**	**3,376**	**412 J**	**2,335**	**1,290 J**	**1,350 J**	**1,241**	**1,038 J**	**587 J**
PAHs																
Acenaphthene	20	µg/L	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Acenaphthylene	- -	µg/L	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Anthracene	50	µg/L	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Benzo(a)anthracene	0.002	µg/L	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	**0.34 J**	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Benzo(a)pyrene	0	µg/L	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Benzo(b)fluoranthene	0.002	µg/L	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Benzo(g,h,i)perylene	- -	µg/L	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Benzo(k)fluoranthene	0.002	ug/L	1 U	0.5 UJ	0.5 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Chrysene	0.002	µg/L	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Dibenzo(a,h)anthracene	- -	ug/L	1 U	0.5 U	0.5 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Fluoranthene	50	µg/L	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Fluorene	50	µg/L	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Naphthalene	10	µg/L	**7.8 J**	**460 D**	**470 D**	**54**	**390 D**	**160**	**260 D**	4.8 U	**560 D**	**270 D**	**530 D**	**390**	**400 D**	**230 D**
Phenanthrene	50	µg/L	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Pyrene	50	µg/L	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.94 U	0.49 U	4.8 U	4.8 U	4.8 U	4.7 U	4.7 U	4.8 U	4.5 U
Total PAHs	- -	µg/L	**7.8**	**460 J**	**470 J**	**54**	**390 J**	**160**	**260 J**	ND	**560 J**	**270 D**	**530 D**	**390**	**400 D**	**230 D**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-0201 (cont.)													
Date Collected:			11/18/14	05/19/15	11/17/15	05/10/16	11/15/16	05/16/17	11/07/17	05/15/18	11/13/18	05/21/19	11/05/19	06/16/20	11/18/20	05/26/21
BTEX																
Benzene	1	µg/L	**430**	**110**	**180**	**190**	**470**	**250**	**120**	**94**	**290 D**	**140**	**210**	**92 D**	**120**	**64**
Ethylbenzene	5	µg/L	**290**	**46**	**91**	**63**	**250**	**91**	**64**	**24**	**140 D**	**55**	**180**	**60**	**92**	**45**
m/p-Xylenes	5	µg/L	**28**	10 U	**4.8 J**	**6.1 J**	**44**	**12**	**3.7**	**3**	**21**	**8**	**32**	**9.7**	**18**	**6.9**
o-Xylene	5	µg/L	**120**	**31**	**68**	**54**	**140**	**75**	**54**	**31**	**99 D**	**46**	**94**	**46**	**55**	**35**
Toluene	5	µg/L	**8.3**	5 U	**3.2 J**	**3.3 J**	**8.2**	**4.7 J**	**2.8**	**1.7**	10 U	**2.5 J**	**5.3 J**	**2.4**	**3**	**2**
Xylenes (total)	5	µg/L	**150**	**31**	**73**	**60**	**180**	**87**	**58**	**34**	**120 D**	**54**	**130**	**56**	**73**	**42**
Total BTEX	- -	µg/L	**878**	**187**	**347 J**	**316 J**	**908**	**433 J**	**245**	**154**	**550 D**	**252 J**	**525 J**	**210 D**	**288**	**153**
PAHs																
Acenaphthene	20	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Acenaphthylene	- -	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Anthracene	50	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Chrysene	0.002	µg/L	270 UJ	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Fluoranthene	50	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Fluorene	50	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	270 UJ	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Naphthalene	10	µg/L	**460**	**4.3 J**	**280 D**	**120**	**580 D**	**210 D**	**390**	5 U	**360 D**	5 U	**380 D**	110 U	**0.9 J**	5 U
Phenanthrene	50	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Pyrene	50	µg/L	270 U	4.9 U	4.8 U	4.8 U	4.8 U	5 U	50 U	5 U	5 U	5 U	5 U	110 U	5 U	5 U
Total PAHs	- -	µg/L	**460**	**4.3 J**	**280**	**120**	**580**	**210**	**390**	ND	**360 D**	ND	**380 D**	ND	**0.9 J**	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-0201 (cont.)							MW-0203						
Date Collected:			11/11/21	05/24/22	11/15/22	05/23/23	11/07/23	05/21/24	11/19/24	05/29/03	04/23/08	11/11/08	05/12/09	12/01/09	05/18/10	11/02/10
BTEX																
Benzene	1	µg/L	**82**	**98**	**53**	**50**	**20**	**96**	**36**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	µg/L	**97**	**69**	**55**	**43**	**26**	**110**	**20**	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5	µg/L	**13**	**13**	**11**	**6.4**	**3.2**	**20**	**3.1 J**	NA	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5	µg/L	**63**	**48**	**37**	**38**	**23**	**55**	**25**	NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	µg/L	**3.3**	**2.9**	**2.2**	**2.2**	**1.4**	**3.3**	**1.5 J**	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	µg/L	**76**	**61**	**48**	**44**	**26**	**75**	**28**	5.0 U	NA	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	µg/L	**258**	**231**	**158**	**139**	**73.4**	**284**	**85.5 J**	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 UB	0.50 U	0.48 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	1.0 U	0.50 U	0.50 U	0.47 U	**0.37 J**	0.50 U	0.48 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	10 U	0.50 U	0.50 U	0.47 U	**0.24 J**	0.50 U	0.48 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	1 U	0.5 UJ	0.5 U	0.47 U	0.47 U	0.5 U	0.48 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	10 U	0.50 U	0.50 U	0.47 U	0.47 UB	0.50 U	0.48 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	1 U	0.5 U	0.5 U	0.47 U	0.47 U	0.5 U	0.48 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U
Naphthalene	10	µg/L	**190 D**	**4.6 J**	**270 D**	**160 D**	**200**	**180**	**140**	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	26 U	25 U	25 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U
Total PAHs	- -	µg/L	**190 D**	**4.6 J**	**270 D**	**160 D**	**200**	**180**	**140**	ND	ND	ND	ND	**0.61 J**	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-0203 (cont.)													
Date Collected:			11/02/10	05/10/11	11/08/11	05/31/12	11/29/12	05/10/13	11/14/13	05/29/14	11/18/14	05/19/15	11/18/15	05/10/16	11/15/16	05/17/17
BTEX																
Benzene	1	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	**0.9 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	**0.72 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	**0.72 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	**1.62 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Acenaphthylene	- -	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Anthracene	50	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Benzo(a)anthracene	0.002	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Benzo(a)pyrene	0	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Chrysene	0.002	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 UJ	5 U	4.8 U	4.8 U	4.6 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Fluoranthene	50	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Fluorene	50	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 UJ	5 U	4.8 U	4.8 U	4.6 U	5 U
Naphthalene	10	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	**1.4 J**	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Phenanthrene	50	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Pyrene	50	µg/L	0.48 U	4.8 U	4.7 U	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	**1.4 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-0203 (cont.)												MW-0301	
Date Collected:			11/07/17	05/15/18	11/13/18	05/21/19	11/05/19	06/16/20	11/18/20	05/24/22	11/15/22	05/23/23	11/07/23	05/21/24	05/29/03	04/22/08
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.0 U	1.0 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2.0 U
o-Xylene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	1.0 U
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.0 U	1.0 U
Xylenes (total)	5	µg/L	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	5.0 U	NA
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	10 U	0.50 U
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	10 U	0.50 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	10 U	0.50 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	1.0 U	0.50 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	1.0 U	0.50 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	1.0 U	0.50 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	10 U	0.50 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	1 U	0.5 UJ
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	10 U	0.50 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	1 U	0.5 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	10 U	0.50 U
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	10 U	0.50 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	1.0 U	0.50 U
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	**1.1 J**	5 U	5.2 U	5 U	5.7 U	5 U	10 U	0.50 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 UB	5 U	5 U	5.2 U	5 U	5.7 U	5 U	10 U	0.50 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5.2 U	5 U	5.7 U	5 U	10 U	0.50 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	**1.1 J**	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-0301 (cont.)												MW-8604S	
Date Collected:			11/12/08	05/12/09	12/01/09	05/18/10	11/02/10	05/10/11	11/08/11	05/30/12	11/29/12	05/09/13	11/15/13	05/29/14	05/23/03	04/22/08
BTEX																
Benzene	1	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	**360**	**22**
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	**230**	**31**
m/p-Xylenes	5	µg/L	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	NA	**1.9 J**
o-Xylene	5	µg/L	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	NA	**9.3**
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	**3.7 J**	**0.55 J**
Xylenes (total)	5	µg/L	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	**32**	NA
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**626 J**	**54 J**
PAHs																
Acenaphthene	20	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	**3.3 J**	**9.0**
Acenaphthylene	- -	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	**0.80 J**	**0.80**
Anthracene	50	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	10 U	0.50 U
Benzo(a)anthracene	0.002	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	1.0 U	0.50 U
Benzo(a)pyrene	0	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	1.0 U	0.50 U
Benzo(b)fluoranthene	0.002	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	1.0 U	0.50 U
Benzo(g,h,i)perylene	- -	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	10 U	0.50 U
Benzo(k)fluoranthene	0.002	ug/L	0.5 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	1 U	0.5 UJ
Chrysene	0.002	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	NA	NA	10 U	0.50 U
Dibenzo(a,h)anthracene	- -	ug/L	0.5 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	1 U	0.5 U
Fluoranthene	50	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	10 U	0.50 U
Fluorene	50	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	**2.0 J**	**2.0**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	1.0 U	0.50 U
Naphthalene	10	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	**53**	**14**
Phenanthrene	50	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	**0.70 J**	**0.40 J**
Pyrene	50	µg/L	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	10 U	0.50 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**60 J**	**26 J**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-8604S (cont.)													
Date Collected:			11/11/08	05/13/09	12/01/09	05/20/10	11/03/10	05/11/11	11/08/11	05/31/12	11/30/12	05/10/13	11/14/13	05/29/14	11/19/14	05/21/15
BTEX																
Benzene	1	µg/L	**33**	**43**	**24**	**20**	**31**	**14**	**3.2**	**5.8**	**0.67 J**	**2.5**	**0.72 J**	**3.9**	**2.1**	**2.2**
Ethylbenzene	5	µg/L	**35**	**62**	**35**	**21**	**18**	1.0 U	**1.1**	**1.7**	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	NA	**6.8**	**2.8**	**2.3**	**2.0**	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	NA	**17**	**11**	**10**	**5.2**	**0.83 J**	**2.0**	**1.9**	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	**0.78 J**	**1.4**	**0.86 J**	**0.87 J**	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	**10**	**24**	**14**	**13**	**7.1**	**0.83 J**	**2.0**	**1.9 J**	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	**79 J**	**130**	**74 J**	**55 J**	**56**	**15 J**	**6.3**	**9.4 J**	**0.67 J**	**2.5**	**0.72 J**	**3.9**	**2.1**	**2.2**
PAHs																
Acenaphthene	20	µg/L	**41**	**22**	**24**	**4.0 J**	**20**	**2.3 J**	**7.9**	**7.3**	**7.9**	**1.5 J**	**16**	**6.1**	**14**	**8.8**
Acenaphthylene	- -	µg/L	**2.0**	**1.2**	**0.81**	**0.21 J**	**0.44 J**	4.8 U	**0.52 J**	4.7 U	**1.2 J**	4.7 U	**2 J**	**0.42 J**	**1.8 J**	**0.73 J**
Anthracene	50	µg/L	**1.0**	0.47 U	**0.31 J**	0.50 U	**0.22 J**	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U
Benzo(a)anthracene	0.002	µg/L	0.50 U	0.47 U	0.47 UB	0.50 U	0.47 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U
Benzo(a)pyrene	0	µg/L	0.50 U	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U
Benzo(b)fluoranthene	0.002	µg/L	0.50 U	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U
Benzo(g,h,i)perylene	- -	µg/L	0.50 U	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U
Benzo(k)fluoranthene	0.002	ug/L	0.5 U	0.47 U	0.47 U	0.5 U	0.47 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U
Chrysene	0.002	µg/L	0.50 U	0.47 U	0.47 UB	0.50 U	0.47 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 UJ	5.1 U
Dibenzo(a,h)anthracene	- -	ug/L	0.5 U	0.47 U	0.47 U	0.5 U	0.47 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U
Fluoranthene	50	µg/L	**0.90**	0.47 U	**0.24 J**	0.50 U	**0.18 J**	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	**0.45 J**	4.9 U	**0.39 J**	5.1 U
Fluorene	50	µg/L	**7.0**	**3.9**	**3.6**	**0.61**	**3.4**	4.8 U	**1.3 J**	**1.4 J**	**1.5 J**	4.7 U	**2.4 J**	**1.2 J**	**2.3 J**	**1.6 J**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.50 U	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 UJ	5.1 U
Naphthalene	10	µg/L	**34**	**33**	**32 J**	**7.2 J**	**24**	**1.6 J**	**3.6 J**	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U
Phenanthrene	50	µg/L	**5.0**	**1.3**	**1.7**	**0.22 J**	**1.6**	4.8 U	**0.61 J**	**0.63 J**	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U
Pyrene	50	µg/L	**0.70**	0.47 U	**0.19 J**	0.50 U	**0.14 J**	4.8 U	4.7 U	4.7 U	**0.34 J**	4.7 U	**0.42 J**	4.9 U	**0.34 J**	5.1 U
Total PAHs	- -	µg/L	**92 J**	**62 J**	**63 J**	**12 J**	**50 J**	**3.9 J**	**14 J**	**9.3 J**	**11 J**	**1.5 J**	**21.3 J**	**7.72 J**	**18.8 J**	**11.1 J**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-8604S (cont.)													
Date Collected:			11/17/15	05/10/16	11/15/16	05/16/17	11/08/17	05/15/18	11/13/18	05/21/19	11/06/19	06/16/20	11/18/20	05/26/21	11/11/21	05/24/22
BTEX																
Benzene	1	µg/L	**2.1**	**2.6**	**3.1**	**1.6**	**1.6**	**1.1**	**2.4**	**0.8 J**	1 U	**1.3**	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1 U	**5.5**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2 U	**0.7 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1 U	**2.4**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	2 U	**3.1**	2 U	2 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	**2.1**	**11.2**	**3.1**	**1.6**	**1.6**	**1.1**	**2.4**	**0.8 J**	ND	**1.3**	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	**11**	**3.7 J**	**12**	**5.3**	**15**	**5.5**	7.6	**3.2 J**	5 U	**11**	**3.6 J**	**1.2 J**	**1.8 J**	**5.2**
Acenaphthylene	- -	µg/L	**1 J**	**0.49 J**	**0.75 J**	5 U	**1.4 J**	**0.5 J**	**1.1 J**	5 U	**0.4 J**	**0.78 J**	**0.6 J**	5.2 U	**0.59 J**	**0.43 J**
Anthracene	50	µg/L	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	4.7 U	5 UJ	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U
Chrysene	0.002	µg/L	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U
Fluoranthene	50	µg/L	4.7 U	5 U	**0.6 J**	5 U	**0.66 J**	**5 U**	**0.52 J**	5 U	5 U	**0.45 J**	**0.55 J**	5.2 U	5 U	5 U
Fluorene	50	µg/L	**2.1 J**	**0.99 J**	**1.4 J**	**1.1 J**	**1.7 J**	**0.97 J**	**0.92 J**	**0.44 J**	5 U	**1.6 J**	5 U	5.2 U	5 U	**1.2 J**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.7 U	5 UJ	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U
Naphthalene	10	µg/L	4.7 U	**2.6 J**	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	**3.1 J**	5 U	5.2 U	5 U	5 U
Phenanthrene	50	µg/L	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UB	5 U	5.2 U	5 U	5 U
Pyrene	50	µg/L	4.7 U	5 U	**0.54 J**	5 U	**0.62 J**	**5 U**	**0.46 J**	5 U	**0.56 J**	5 U	**0.57 J**	5.2 U	5 U	5 U
Total PAHs	- -	µg/L	**14.1 J**	**7.78 J**	**15.3 J**	**6.4 J**	**19.4 J**	**7.0 J**	**10.6 J**	**3.64 J**	**0.96 J**	**16.9 J**	**5.32 J**	**1.2 J**	**2.39 J**	**6.83 J**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-8604S (cont.)					MW-8806S								
Date Collected:			11/15/22	05/23/23	11/07/23	05/21/24	11/19/24	05/23/03	04/23/08	11/12/08	05/12/09	12/01/09	05/18/10	11/02/10	05/10/11	11/09/11
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1.0 U	**580**	1.0 U	**150 D**	1.0 U	**14**	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1.0 U	**1.8 J**	1.0 U	**26**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2.0 U	NA	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5	µg/L	1 U	1 U	1 U	1 U	1.0 U	NA	1.0 U	NA	1.0 U	**1.4**	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1.0 U	**2.1 J**	1.0 U	**4.4**	1.0 U	**0.52 J**	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2.0 U	**74**	NA	**52**	2.0 U	**2.0**	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	**658**	ND	**232**	ND	**17 J**	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	**5.7**	5 U	**6.0**	**1.9 J**	5.0 U	**2.8**	0.50 U	**10**	0.48 U	0.47 U	0.48 U	0.47 U	4.8 U	4.8 U
Acenaphthylene	- -	µg/L	**0.76 J**	5 U	**0.55 J**	5.0 U	5.0 U	**1.6 J**	0.50 U	**0.90**	0.48 U	0.47 U	0.48 U	0.47 U	4.8 U	4.8 U
Anthracene	50	µg/L	5 U	5 U	5.2 U	5.0 U	5.0 U	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.47 U	4.8 U	4.8 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5.2 U	5.0 U	5.0 U	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	**0.37 J**	4.8 U	4.8 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5.2 U	5.0 U	5.0 U	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	**0.38 J**	4.8 U	4.8 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5.2 U	5.0 U	5.0 U	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	**0.32 J**	4.8 U	4.8 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5.2 U	5.0 U	5.0 U	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.47 U	4.8 U	4.8 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5.2 U	5.0 U	5.0 U	1 U	0.5 UJ	0.5 U	0.48 U	0.47 U	0.48 U	0.47 U	4.8 U	4.8 U
Chrysene	0.002	µg/L	5 U	5 U	5.2 U	5.0 U	5.0 U	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	**0.24 J**	4.8 U	4.8 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5.2 U	5.0 U	5.0 U	1 U	0.5 U	0.5 U	0.48 U	0.47 U	0.48 U	0.47 U	4.8 U	4.8 U
Fluoranthene	50	µg/L	**0.54 J**	5 U	5.2 U	5.0 U	5.0 U	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	**0.31 J**	4.8 U	4.8 U
Fluorene	50	µg/L	**0.74 J**	5 U	**0.46 J**	5.0 U	5.0 U	**0.20 J**	0.50 U	**0.30 J**	0.48 U	0.47 U	0.48 U	0.47 U	4.8 U	4.8 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5.2 U	5.0 U	5.0 U	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	**0.12 J**	4.8 U	4.8 U
Naphthalene	10	µg/L	5 U	5 U	5.2 U	5.0 U	5.0 U	**130**	0.50 U	**7.0**	0.48 U	**2.0**	0.48 U	0.47 U	4.8 U	4.8 U
Phenanthrene	50	µg/L	5 U	5 U	5.2 U	5.0 U	5.0 U	**0.40 J**	0.50 U	**0.60**	0.48 U	0.47 U	0.48 U	0.47 U	4.8 U	4.8 U
Pyrene	50	µg/L	**0.53 J**	5 U	5.2 U	5.0 U	5.0 U	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	**0.30 J**	4.8 U	4.8 U
Total PAHs	- -	µg/L	**8.27**	ND	**7.01 J**	**1.9 J**	ND	**140 J**	ND	**19 J**	ND	**2.0**	ND	**2.0 J**	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-8806S (cont.)													
Date Collected:			05/31/12	11/28/12	05/08/13	11/15/13	05/28/14	11/19/14	05/19/15	11/17/15	05/11/16	11/16/16	05/17/17	11/07/17	05/15/18	11/13/18
BTEX																
Benzene	1	µg/L	1.0 U	**4.5 J**	1 U	**810 DJ**	1 U	**120 D**	1 U	1 U	1 U	**100**	1 U	**24**	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	**4**	1 U	**200 D**	1 U	**49**	1 U	1 U	1 U	**31**	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2.0 U	**0.92 J**	2 U	**100**	2 U	**28**	2 U	2 U	2 U	**7.7**	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1.0 U	**1.3**	1 U	**220 D**	1 U	**49**	1 U	1 U	1 U	**19**	1 U	**5.5**	1 U	1 U
Toluene	5	µg/L	1.0 U	1 U	1 U	**18**	1 U	**8.1**	1 U	1 U	1 U	**2.6**	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	2.0 U	**2.2**	2 U	**310 D**	2 U	**77**	2 U	2 U	2 U	**27**	2 U	**5.5**	2 U	2 U
Total BTEX	- -	µg/L	ND	**11 J**	ND	**1,338 J**	ND	**254**	ND	ND	ND	**161**	ND	**29.5**	ND	ND
PAHs																
Acenaphthene	20	µg/L	5.2 U	**1.2 J**	4.8 U	**36**	4.5 U	250 U	4.6 U	5.1 U	4.8 U	**4.9**	5 U	**1.7 J**	5 U	5 U
Acenaphthylene	- -	µg/L	5.2 U	4.8 U	4.8 U	**3.3 J**	4.5 U	250 U	4.6 U	5.1 U	4.8 U	**0.42 J**	5 U	5 U	5 U	5 U
Anthracene	50	µg/L	5.2 U	4.8 U	4.8 U	**0.44 J**	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	5.2 U	4.8 U	4.8 U	4.7 U	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	5.2 U	4.8 U	4.8 U	4.7 UJ	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	5.2 U	4.8 U	4.8 U	4.7 UJ	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	5.2 U	4.8 U	4.8 U	4.7 UJ	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	5.2 U	4.8 U	4.8 U	4.7 UJ	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	5.2 U	4.8 U	4.8 U	4.7 U	4.5 U	250 UJ	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	5.2 U	4.8 U	4.8 U	4.7 UJ	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	5.2 U	4.8 U	4.8 U	4.7 U	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Fluorene	50	µg/L	5.2 U	4.8 U	4.8 U	**2.3 J**	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5.2 U	4.8 U	4.8 U	4.7 UJ	4.5 U	250 UJ	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Naphthalene	10	µg/L	5.2 U	**9.9**	4.8 U	**1,400 DJ**	4.5 U	**260**	4.6 U	5.1 U	4.8 U	**73 D**	5 U	**15**	5 U	5 U
Phenanthrene	50	µg/L	5.2 U	4.8 U	4.8 U	**2.3 J**	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Pyrene	50	µg/L	5.2 U	4.8 U	4.8 U	**0.43 J**	4.5 U	250 U	4.6 U	5.1 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U
Total PAHs	- -	µg/L	ND	**11 J**	ND	**1,445 J**	ND	**260**	ND	ND	ND	**78.3 J**	ND	**16.7 J**	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-8806S (cont.)												MW-8807S	
Date Collected:			05/22/19	11/06/19	06/16/20	11/18/20	05/26/21	11/11/21	05/24/22	11/15/22	05/23/23	11/07/23	05/21/24	11/19/24	05/28/03	04/22/08
BTEX																
Benzene	1	µg/L	1 U	1 U	**0.60 J**	**23**	1 U	1 U	1 U	**0.88 J**	1 U	**190**	4.0 U	**0.43 J**	**96**	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	**13**	1 U	1 U	1 U	1 U	1 U	**25**	4.0 U	1.0 U	**24**	1.0 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	**1.4 J**	2 U	2 U	2 U	2 U	2 U	**11**	8.0 U	2.0 U	NA	2.0 U
o-Xylene	5	µg/L	1 U	1 U	1 U	**6.7**	1 U	1 U	1 U	1 U	1 U	**45**	4.0 U	1.0 U	NA	1.0 U
Toluene	5	µg/L	1 U	1 U	1 U	**0.75 J**	1 U	1 U	1 U	1 U	1 U	**3.6 J**	4.0 U	1.0 U	**0.40 J**	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	**8.1**	2 U	2 U	2 U	2 U	2 U	**56**	8.0 U	2.0 U	**2.6 J**	NA
Total BTEX	- -	µg/L	ND	ND	**0.60 J**	**44.9 J**	ND	ND	ND	**0.88 J**	ND	**275 J**	ND	**0.43 J**	**123**	ND
PAHs																
Acenaphthene	20	µg/L	5 U	5 U	5 U	**3.3 J**	5 U	5 U	5 U	**0.51 J**	5 U	**6.5**	5 U	5.0 U	**2.9 J**	**0.90**
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	**0.46 J**	5 U	5.0 U	**0.30 J**	0.50 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	10 U	0.50 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	1.0 U	0.50 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	1.0 U	0.50 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	1.0 U	0.50 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	10 U	0.50 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	1 U	0.5 UJ
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	10 U	0.50 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	1 U	0.5 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	10 U	0.50 U
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	**0.44 J**	5 U	5.0 U	10 U	0.50 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	1.0 U	0.50 U
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	**140 D**	5 U	5.0 U	**3.0 J**	**13**
Phenanthrene	50	µg/L	5 U	5 U	5 UB	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	10 U	0.50 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	5.2 U	5 U	5.0 U	10 U	0.50 U
Total PAHs	- -	µg/L	ND	ND	ND	**3.3 J**	ND	ND	ND	**0.51 J**	ND	**147 DJ**	ND	ND	**6.2**	**14**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-8807S (cont.)													
Date Collected:			11/11/08	05/12/09	12/02/09	05/18/10	11/02/10	05/10/11	11/08/11	05/30/12	11/29/12	05/09/13	11/14/13	05/28/14	11/18/14	05/19/15
BTEX																
Benzene	1	µg/L	1.0 U	1.0 U	1.0 U	**8.5**	1.0 U	1.0 U	**16**	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	ND	**8.5**	ND	ND	**16**	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Acenaphthylene	- -	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Anthracene	50	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Benzo(a)anthracene	0.002	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Benzo(a)pyrene	0	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Benzo(b)fluoranthene	0.002	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Benzo(g,h,i)perylene	- -	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Benzo(k)fluoranthene	0.002	ug/L	0.5 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Chrysene	0.002	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 UJ	4.8 U
Dibenzo(a,h)anthracene	- -	ug/L	0.5 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Fluoranthene	50	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Fluorene	50	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 UJ	4.8 U
Naphthalene	10	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Phenanthrene	50	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Pyrene	50	µg/L	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U	4.8 U	4.8 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-8807S (cont.)							MW-8808S						
Date Collected:			11/17/15	05/10/16	11/15/16	05/16/17	11/07/17	05/15/18	11/14/18	05/29/03	04/22/08	11/11/08	05/12/09	12/01/09	05/18/10	11/02/10
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.0 U	1.0 U	1.0 U	**0.82 J**	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	4.0 U	1.0 U	1.0 U	**0.49 J**	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	NA	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	3 U	2 UJ	2 U	5.0 U	NA	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.3 J**	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Acenaphthylene	- -	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Anthracene	50	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Benzo(a)anthracene	0.002	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Benzo(a)pyrene	0	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Benzo(b)fluoranthene	0.002	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Benzo(g,h,i)perylene	- -	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Benzo(k)fluoranthene	0.002	ug/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1 U	0.5 UJ	0.5 U	0.47 U	0.48 U	0.48 U	0.47 U
Chrysene	0.002	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Dibenzo(a,h)anthracene	- -	ug/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1 U	0.5 U	0.5 U	0.47 U	0.48 U	0.48 U	0.47 U
Fluoranthene	50	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Fluorene	50	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Naphthalene	10	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Phenanthrene	50	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Pyrene	50	µg/L	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.47 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-8808S (cont.)													
Date Collected:			05/10/11	11/08/11	05/30/12	11/29/12	05/09/13	11/14/13	05/29/14	11/19/14	05/19/15	11/17/15	05/10/16	11/15/16	05/16/17	11/07/17
BTEX																
Benzene	1	µg/L	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Acenaphthylene	- -	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Anthracene	50	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Chrysene	0.002	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 UJ	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Fluoranthene	50	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Fluorene	50	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 UJ	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Naphthalene	10	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Phenanthrene	50	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Pyrene	50	µg/L	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U	4.8 U	4.8 U	5 U	5 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-8808S (cont.)		MW-9109S											
Date Collected:			05/15/18	11/13/18	05/20/03	04/22/08	11/11/08	05/12/09	12/01/09	05/20/10	11/02/10	05/10/11	11/08/11	05/30/12	11/30/12	05/10/13
BTEX																
Benzene	1	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Ethylbenzene	5	µg/L	1 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
m/p-Xylenes	5	µg/L	2 U	2 U	NA	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U
o-Xylene	5	µg/L	1 U	1 U	NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Toluene	5	µg/L	1 U	1 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Xylenes (total)	5	µg/L	2 U	2 U	5.0 U	NA	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Acenaphthylene	- -	µg/L	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Anthracene	50	µg/L	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.48 UB	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	1 U	0.5 UJ	0.5 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Chrysene	0.002	µg/L	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 UB	0.48 UJ	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	1 U	0.5 U	0.5 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Fluoranthene	50	µg/L	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Fluorene	50	µg/L	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Naphthalene	10	µg/L	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Phenanthrene	50	µg/L	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Pyrene	50	µg/L	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.48 U	0.48 U	0.48 U	4.8 U	4.7 U	4.8 U	4.7 U	4.7 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9109S (cont.)		MW-9110S											
Date Collected:			11/15/13	05/29/14	05/28/03	04/22/08	11/11/08	05/12/09	12/02/09	05/18/10	11/02/10	05/10/11	11/08/11	05/30/12	11/29/12	05/09/13
BTEX																
Benzene	1	µg/L	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Ethylbenzene	5	µg/L	1 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
m/p-Xylenes	5	µg/L	2 U	2 U	NA	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U
o-Xylene	5	µg/L	1 U	1 U	NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Toluene	5	µg/L	1 U	1 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U
Xylenes (total)	5	µg/L	2 U	2 U	5.0 U	NA	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	5.4 U	4.6 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Acenaphthylene	- -	µg/L	5.4 U	4.6 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Anthracene	50	µg/L	5.4 U	4.6 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Benzo(a)anthracene	0.002	µg/L	5.4 U	4.6 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Benzo(a)pyrene	0	µg/L	5.4 UJ	4.6 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Benzo(b)fluoranthene	0.002	µg/L	5.4 UJ	4.6 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Benzo(g,h,i)perylene	- -	µg/L	5.4 UJ	4.6 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Benzo(k)fluoranthene	0.002	ug/L	5.4 UJ	4.6 U	1 U	0.5 UJ	0.5 U	0.47 U	0.47 U	0.48 U	0.48 U	5 U	4.8 U	4.7 U	4.8 U	4.8 U
Chrysene	0.002	µg/L	NA	NA	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Dibenzo(a,h)anthracene	- -	ug/L	5.4 UJ	4.6 U	1 U	0.5 U	0.5 U	0.47 U	0.47 U	0.48 U	0.48 U	5 U	4.8 U	4.7 U	4.8 U	4.8 U
Fluoranthene	50	µg/L	5.4 U	4.6 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Fluorene	50	µg/L	5.4 U	4.6 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5.4 UJ	4.6 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Naphthalene	10	µg/L	5.4 U	4.6 U	10 U	0.50 U	0.50 U	0.47 U	**0.11 J**	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Phenanthrene	50	µg/L	5.4 U	4.6 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Pyrene	50	µg/L	5.4 U	4.6 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.48 U	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	**0.11 J**	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9110S (cont.)											MW-9111S		
Date Collected:			11/14/13	05/28/14	11/18/14	05/19/15	11/17/15	05/10/16	11/15/16	05/16/17	11/07/17	05/15/18	11/14/18	05/28/03	04/23/08	11/11/08
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.4**	1.0 U	**57**
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.0 U	1.0 U	**2.0**
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2.0 U	NA
o-Xylene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	1.0 U	NA
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.0 U	1.0 U	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 U	2 U	5.0 U	NA	**1.4 J**
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.4**	ND	**60 J**
PAHs																
Acenaphthene	20	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	**11**	**5.0**	**10**
Acenaphthylene	- -	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U
Anthracene	50	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U
Benzo(a)anthracene	0.002	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U
Benzo(a)pyrene	0	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U
Benzo(b)fluoranthene	0.002	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U
Benzo(g,h,i)perylene	- -	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 UJ	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U
Benzo(k)fluoranthene	0.002	ug/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1 U	0.5 UJ	0.5 U
Chrysene	0.002	µg/L	4.6 U	5.1 U	5 UJ	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U
Dibenzo(a,h)anthracene	- -	ug/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1 U	0.5 U	0.5 U
Fluoranthene	50	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U
Fluorene	50	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	**0.80 J**	**0.50**	**1.0**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.6 U	5.1 U	5 UJ	4.6 U	4.9 U	4.8 U	4.8 UJ	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U
Naphthalene	10	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	**0.40 J**	0.50 U	**5.0**
Phenanthrene	50	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	**0.20 J**
Pyrene	50	µg/L	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12 J**	**5.5**	**16 J**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9111S (cont.)													
Date Collected:			05/12/09	12/01/09	05/20/10	11/02/10	05/10/11	11/09/11	05/30/12	11/30/12	05/10/13	11/14/13	05/29/14	11/19/14	05/21/15	11/17/15
BTEX																
Benzene	1	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2.1**	1 U	1 U	1 U	**1.6**	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.79 J**	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	**2.9 J**	ND	ND	ND	**1.6**	ND	ND
PAHs																
Acenaphthene	20	µg/L	**4.5**	**7.8**	**4.5**	**6.1**	**3.8 J**	**5.6**	**4.2 J**	**5.3**	**3.1 J**	**5.8**	**3.8 J**	**3.7 J**	**3.4 J**	**3.7 J**
Acenaphthylene	- -	µg/L	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U	5.2 U	4.7 U	**0.68 J**	5.2 U	4.6 U	4.7 U	5 U	5 U
Anthracene	50	µg/L	0.47 U	0.47 U	**0.099 J**	0.47 U	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	0.47 U	0.47 U	0.50 U	0.47 UJ	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	0.47 U	0.47 U	0.50 U	0.47 UJ	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	0.47 U	0.47 U	0.50 U	0.47 UJ	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	0.47 U	0.47 U	0.5 U	0.47 UJ	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Chrysene	0.002	µg/L	0.47 U	0.47 U	**0.11 J**	0.47 UJ	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 UJ	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	0.47 U	0.47 U	0.5 U	0.47 UJ	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Fluoranthene	50	µg/L	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Fluorene	50	µg/L	**0.42 J**	**0.77**	**0.35 J**	**0.58**	4.8 U	**0.51 J**	5.2 U	**0.42 J**	4.7 U	**0.54 J**	4.6 U	4.7 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.47 U	0.47 U	0.50 U	0.47 UJ	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 UJ	5 U	5 U
Naphthalene	10	µg/L	0.47 U	**0.32 J**	**0.19 J**	0.47 U	4.8 U	4.7 U	5.2 U	**1.2 J**	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Phenanthrene	50	µg/L	0.47 U	**0.17 J**	0.50 U	0.47 U	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Pyrene	50	µg/L	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U
Total PAHs	- -	µg/L	**4.9 J**	**9.1 J**	**5.3 J**	**6.7**	**3.8 J**	**6.1 J**	**4.2 J**	**6.9 J**	**3.8 J**	**6.34 J**	**3.8 J**	**3.7 J**	**3.4 J**	**3.7 J**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9111S (cont.)													
Date Collected:			05/10/16	11/15/16	05/16/17	11/08/17	05/15/18	11/13/18	05/21/19	11/05/19	06/17/20	11/18/20	05/26/21	11/11/21	05/24/22	11/15/22
BTEX																
Benzene	1	µg/L	**2.2**	1 U	1 U	**18**	**0.68 J**	1 U	1 U	**0.55 J**	1 U	**6.8**	1 U	1 U	1 U	**22**
Ethylbenzene	5	µg/L	1 U	1 U	1 U	**0.45 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1 U	1 U	1 U	**0.21 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	**2.2**	ND	ND	**18.5 J**	**0.68 J**	ND	ND	**0.55 J**	ND	**6.8**	ND	ND	ND	**22**
PAHs																
Acenaphthene	20	µg/L	**4 J**	**4.7**	**2.5 J**	**4.4 J**	**2.5 J**	**4.5 J**	**2.4 J**	**5.4**	**4.7 J**	**3.7 J**	**3.4 J**	**4.6 J**	**3.3 J**	**4.4 J**
Acenaphthylene	- -	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Anthracene	50	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Benzo(a)anthracene	0.002	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Benzo(a)pyrene	0	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Benzo(b)fluoranthene	0.002	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Benzo(g,h,i)perylene	- -	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Benzo(k)fluoranthene	0.002	ug/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Chrysene	0.002	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Dibenzo(a,h)anthracene	- -	ug/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Fluoranthene	50	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	**0.48 J**	5 U	5 U	5 U	5 U	5.2 U
Fluorene	50	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Naphthalene	10	µg/L	4.9 U	4.6 U	5 U	**1.6 J**	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	**0.88 J**
Phenanthrene	50	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 UB	5 U	5 U	5 U	5 U	5.2 U
Pyrene	50	µg/L	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U
Total PAHs	- -	µg/L	**4 J**	**4.7**	**2.5 J**	**6 J**	**2.5 J**	**4.5 J**	**2.4 J**	**5.4**	**5.2 J**	**3.7 J**	**3.4 J**	**4.6 J**	**3.3 J**	**5.28 J**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9111S (cont.)				MW-9112D									
Date Collected:			05/23/23	11/07/23	05/21/24	11/19/24	05/22/03	09/18/07	12/17/07	11/11/08	05/12/09	12/01/09	05/19/10	11/03/10	05/10/11	11/08/11
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1.0 U	4.0 U	0.50 U	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5	µg/L	1 U	1 U	1 U	1.0 U	NA	NA	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	µg/L	1 U	1 U	1 U	1.0 U	5.0 U	0.50 U	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2.0 U	5.0 U	1.5 U	1.5 U	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	**3.3 J**	**4.7 J**	**1.9 J**	**3.5 J**	10 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Acenaphthylene	- -	µg/L	5 U	5.2 U	5 U	5.0 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Anthracene	50	µg/L	5 U	5.2 U	5 U	5.0 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Benzo(a)anthracene	0.002	µg/L	5 U	5.2 U	5 U	5.0 U	1.0 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Benzo(a)pyrene	0	µg/L	5 U	5.2 U	5 U	5.0 U	1.0 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5.2 U	5 U	5.0 U	1.0 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5.2 U	5 U	5.0 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5.2 U	5 U	5.0 U	1 U	NA	NA	0.5 U	0.5 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Chrysene	0.002	µg/L	5 U	5.2 U	5 U	5.0 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5.2 U	5 U	5.0 U	1 U	NA	NA	0.5 U	0.5 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Fluoranthene	50	µg/L	5 U	5.2 U	5 U	5.0 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Fluorene	50	µg/L	5 U	5.2 U	5 U	5.0 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5.2 U	5 U	5.0 U	1.0 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Naphthalene	10	µg/L	5 U	5.2 U	5 U	5.0 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Phenanthrene	50	µg/L	5 U	5.2 U	5 U	5.0 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Pyrene	50	µg/L	5 U	5.2 U	5 U	5.0 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U	0.47 U	0.47 U	4.8 U	4.9 U
Total PAHs	- -	µg/L	**3.3 J**	**4.7 J**	**1.9 J**	**3.5 J**	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9112D (cont.)													
Date Collected:			05/30/12	11/29/12	05/09/13	11/13/13	05/28/14	11/18/14	05/19/15	11/18/15	05/11/16	11/15/16	05/16/17	11/07/17	05/16/18	11/13/18
BTEX																
Benzene	1	µg/L	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	**0.75 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 U	2 U
Total BTEX	- -	µg/L	ND	**0.75 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Acenaphthylene	- -	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Anthracene	50	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 UJ	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 UJ	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 UJ	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 UJ	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	**0.41 J**	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Fluorene	50	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 UJ	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Naphthalene	10	µg/L	5.6 U	**1.2 J**	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Phenanthrene	50	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	**0.54 J**	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Pyrene	50	µg/L	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U
Total PAHs	- -	µg/L	ND	**1.2 J**	ND	ND	ND	ND	**0.95 J**	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9112D (cont.)												MW-9112S	
Date Collected:			05/21/19	11/05/19	06/16/20	11/18/20	05/26/21	11/11/21	05/24/22	11/15/22	05/23/23	11/07/23	05/21/24	11/19/24	05/22/03	09/18/07
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	0.50 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	4.0 U	0.50 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	NA	NA
o-Xylene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	NA	NA
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5.0 U	0.50 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	5.0 U	1.5 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	10 U	NA
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	10 U	NA
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	10 U	NA
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	1.0 U	NA
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	1.0 U	NA
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	1.0 U	NA
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	10 U	NA
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	1 U	NA
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	10 U	NA
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	1 U	NA
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	10 U	NA
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	1.0 U	NA
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	10 U	NA
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	10 U	NA
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.4 U	5 U	5.0 U	10 U	NA
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9112S (cont.)													
Date Collected:			12/17/07	04/23/08	11/11/08	05/12/09	12/01/09	05/19/10	11/03/10	05/10/11	11/08/11	05/30/12	11/29/12	05/09/13	11/13/13	05/28/14
BTEX																
Benzene	1	µg/L	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.42 J**	1 U	1 U	1 U
Ethylbenzene	5	µg/L	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.2**	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	NA	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	1.5 U	NA	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.6 J**	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Acenaphthylene	- -	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Anthracene	50	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Benzo(a)anthracene	0.002	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Benzo(a)pyrene	0	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Benzo(b)fluoranthene	0.002	µg/L	NA	0.50 UJ	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Benzo(g,h,i)perylene	- -	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Benzo(k)fluoranthene	0.002	ug/L	NA	0.5 UJ	0.5 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Chrysene	0.002	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Dibenzo(a,h)anthracene	- -	ug/L	NA	0.5 UJ	0.5 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Fluoranthene	50	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Fluorene	50	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	NA	0.50 UJ	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Naphthalene	10	µg/L	NA	**0.50**	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	**1.8 J**	4.8 U	5.6 U	4.6 U
Phenanthrene	50	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Pyrene	50	µg/L	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U
Total PAHs	- -	µg/L	NA	**0.50**	ND	ND	ND	ND	ND	ND	ND	ND	**1.8 J**	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9112S (cont.)													
Date Collected:			11/18/14	05/19/15	11/18/15	05/11/16	11/15/16	05/16/17	11/07/17	05/15/18	11/13/18	05/21/19	11/06/19	06/16/20	11/18/20	05/26/21
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acenaphthylene	- -	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	5.5 UJ	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluorene	50	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5.5 UJ	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene	50	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UB	5 U	5 U
Pyrene	50	µg/L	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9112S (cont.)							MW-9114S						
Date Collected:			11/11/21	05/24/22	11/15/22	05/23/23	11/07/23	05/21/24	11/19/24	05/21/03	04/23/08	11/11/08	05/12/09	12/02/09	05/19/10	11/02/10
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.42 J**	1.0 U	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	NA	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	NA	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2.0 U	5.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.42 J**	ND	ND
PAHs																
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	1 U	0.5 UJ	0.5 U	0.47 U	0.47 U	0.49 U	0.47 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	1 U	0.5 U	0.5 U	0.47 U	0.47 U	0.49 U	0.47 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	10 U	**1.0**	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	**1.2 J**	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9114S (cont.)													
Date Collected:			05/11/11	11/08/11	05/30/12	11/29/12	05/09/13	11/14/13	05/28/14	11/18/14	05/19/15	11/17/15	05/11/16	11/16/16	05/16/17	11/07/17
BTEX																
Benzene	1	µg/L	1.0 U	1.0 U	1.0 U	**0.76 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	**1.9**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.9**	1 U	1 U	**25**	1 U
Xylenes (total)	5	µg/L	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U
Total BTEX	- -	µg/L	ND	ND	ND	**2.7 J**	ND	ND	ND	ND	ND	**1.9**	ND	ND	**25**	ND
PAHs																
Acenaphthene	20	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Acenaphthylene	- -	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Anthracene	50	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 UJ	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.9 U	4.7 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Chrysene	0.002	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 UJ	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	4.9 U	4.7 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 UJ	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Fluoranthene	50	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Fluorene	50	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 UJ	4.7 UJ	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Naphthalene	10	µg/L	4.9 U	0.47 U	5.3 U	**2.3 J**	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Phenanthrene	50	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Pyrene	50	µg/L	4.9 U	0.47 U	5.3 U	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U
Total PAHs	- -	µg/L	ND	ND	ND	**2.3 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9114S (cont.)												
Date Collected:			05/16/18	11/14/18	05/22/19	11/05/19	06/16/20	11/18/20	05/26/21	11/11/21	05/24/22	11/15/22	05/23/23	11/07/23	05/21/24
BTEX															
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	**0.55 J**	1 U	**19**	**1.9**	1U	1U	**1.1**	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	**0.55 J**	ND	**19**	**1.9**	ND	ND	**1.1**	ND	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	**0.45 J**	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	5 UB	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	5 U	6.3 U	5 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	**0.45 J**	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9502S													
Date Collected:			05/21/03	09/18/07	12/17/07	12/01/09	05/20/10	11/02/10	05/10/11	11/08/11	05/30/12	11/29/12	05/09/13	11/14/13	05/28/14	11/18/14
BTEX																
Benzene	1	µg/L	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.9**	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	4.0 U	**0.94**	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.3**	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	NA	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	NA	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	5.0 U	0.50 U	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	5.0 U	**1.4 J**	1.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	ND	**2.3 J**	ND	ND	ND	ND	ND	ND	ND	**3.2**	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	**0.49 J**	4.8 U	5.3 U	4.5 U	4.7 U
Acenaphthylene	- -	µg/L	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Anthracene	50	µg/L	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Benzo(a)anthracene	0.002	µg/L	1.0 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Benzo(a)pyrene	0	µg/L	1.0 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Benzo(b)fluoranthene	0.002	µg/L	1.0 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Benzo(g,h,i)perylene	- -	µg/L	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Benzo(k)fluoranthene	0.002	ug/L	1 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Chrysene	0.002	µg/L	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 UJ
Dibenzo(a,h)anthracene	- -	ug/L	1 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Fluoranthene	50	µg/L	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Fluorene	50	µg/L	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	1.0 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 UJ
Naphthalene	10	µg/L	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	**2.1 J**	4.8 U	5.3 U	4.5 U	4.7 U
Phenanthrene	50	µg/L	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Pyrene	50	µg/L	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U	4.8 U	5.2 U	4.7 U	4.8 U	5.3 U	4.5 U	4.7 U
Total PAHs	- -	µg/L	ND	NA	NA	ND	ND	ND	ND	ND	ND	**2.6 J**	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9502S (cont.)													
Date Collected:			05/19/15	11/17/15	05/10/16	11/15/16	05/16/17	11/07/17	05/15/18	11/14/18	05/21/19	11/05/19	06/17/20	11/18/20	05/26/21	11/11/21
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acenaphthylene	- -	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	4.8 UJ	5 U	4.7 U	**0.38 J**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluorene	50	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.8 UJ	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene	50	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UB	5 U	5 U	5 U
Pyrene	50	µg/L	4.8 U	5 U	4.7 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total PAHs	- -	µg/L	ND	ND	ND	**0.38 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	MW-9502S (cont.)					PTMW-0202								
Date Collected:			05/24/22	11/15/22	05/23/23	11/07/23	05/21/24	05/28/03	12/01/09	05/20/10	11/02/10	05/10/11	11/09/11	05/30/12	11/30/12	05/09/13
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	**22**	**12**	**7.1**	**33**	1.0 U	1.0 U	**32**	**320 D**	**120**
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	**7.7**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**12**	2 U
m/p-Xylenes	5	µg/L	2 U	2 U	2 U	2 U	2 U	NA	2.0 U	2.0 U	**1.4 J**	2.0 U	2.0 U	2.0 U	**1.2 J**	4 U
o-Xylene	5	µg/L	1 U	1 U	1 U	1 U	1 U	NA	**2.4**	1.0 U	**3.2**	1.0 U	1.0 U	1.0 U	**12**	**6.2**
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.67 J**	2 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2 U	**1.6 J**	**2.9**	2.0 U	**4.6**	2.0 U	2.0 U	2.0 U	**13**	**6.2**
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	**31 J**	**15**	**7.1**	**38 J**	ND	ND	**32**	**346 J**	**126**
PAHs																
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	5 U	**52**	**39**	**34**	**42**	**23**	**41**	**35**	**55**	**43 J**
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	**1.2 J**	0.47 U	0.48 U	**0.40 J**	4.8 U	**0.46 J**	5.3 U	**0.41 J**	R
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	**0.60 J**	**0.27 J**	**0.12 J**	**0.23 J**	4.8 U	4.7 U	5.3 U	**0.33 J**	R
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	1.0 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	**0.34 J**
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	5 U	1.0 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	R
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	1.0 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	**0.32 J**
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	10 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	R
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	5 U	1 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	R
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	10 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	R
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	5 U	5 U	1 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	R
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	5 U	**0.50 J**	**0.56**	**0.45 J**	**0.88**	4.8 U	4.7 U	5.3 U	**0.41 J**	R
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	5 U	**6.9 J**	**3.1**	**5.2**	**9.8**	4.8 U	**4.7**	**5.2 J**	**7.8**	**3.9 J**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	1.0 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	R
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	5 U	**0.70 J**	**16**	**0.36 J**	**48**	4.8 U	4.7 U	5.3 U	**69**	**R**
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	**5.2 J**	**0.38 J**	0.48 U	**0.42 J**	4.8 U	4.7 U	5.3 U	**2.4 J**	**1.7 J**
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	**0.50 J**	**0.55**	**0.45 J**	**0.85**	4.8 U	**0.85 J**	5.3 U	**0.44 J**	**0.71 J**
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	**68 J**	**60 J**	**41 J**	**100 J**	**23**	**47 J**	**40 J**	**136 J**	**50 J**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	PTMW-0202 (cont.)													
Date Collected:			11/14/13	05/29/14	11/19/14	05/21/15	11/17/15	05/10/16	11/15/16	05/16/17	11/08/17	05/15/18	11/13/18	05/21/19	11/05/19	06/16/20
BTEX																
Benzene	1	µg/L	**30**	**53**	**290 D**	**90**	**230**	**97**	1 U	**40**	**380**	**260**	**160**	**18**	**390**	**54**
Ethylbenzene	5	µg/L	1 U	1 U	**0.92 J**	1 U	**21**	4 U	1 U	1 U	**43**	4 U	4 U	1 U	4 U	1 U
m/p-Xylenes	5	µg/L	2 U	2 U	**2.6**	2 U	8 U	8 U	2 U	2 U	**3.8**	8 U	8 U	2 U	**2.9 J**	2 U
o-Xylene	5	µg/L	1 U	**1.6**	**7.5**	**1.9**	**7.2**	4 U	1 U	**2.7**	**17**	**4.9**	**5.3**	**1.8**	**8.3**	**0.97 J**
Toluene	5	µg/L	1 U	1 U	1 U	1 U	4 U	4 U	1 U	**0.52 J**	**0.86 J**	4 U	4 U	1 U	4 U	1 U
Xylenes (total)	5	µg/L	2 U	**1.6 J**	**10**	**1.9 J**	**7.2 J**	8 U	2 U	**2.7**	**21**	**4.9 J**	**5.3 J**	**1.8 J**	**11**	**0.97 J**
Total BTEX	- -	µg/L	**30**	**54.6 J**	**301 J**	**91.9 J**	**258 J**	**97**	ND	**43.2 J**	**445 J**	**265 J**	**165 J**	**19.8 J**	**401**	**55.0 J**
PAHs																
Acenaphthene	20	µg/L	**20**	**43**	**61 J**	**40**	**20**	**39**	4.6 U	**57**	**86 D**	**63**	**88**	**40**	**77 D**	**41**
Acenaphthylene	- -	µg/L	5.5 U	**0.4 J**	230 U	**0.43 J**	4.7 U	4.8 U	4.6 U	5 U	**0.8 J**	**0.62 J**	5 U	5 U	5 U	25 U
Anthracene	50	µg/L	5.5 U	**0.34 J**	230 U	5.1 U	**0.27 J**	**0.56 J**	4.6 U	**0.63 J**	**1.2 J**	**0.64 J**	**1.7 J**	**0.71 J**	**1.3 J**	25 U
Benzo(a)anthracene	0.002	µg/L	5.5 U	4.6 U	230 U	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Benzo(a)pyrene	0	µg/L	5.5 U	4.6 U	230 U	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Benzo(b)fluoranthene	0.002	µg/L	5.5 U	4.6 U	230 U	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Benzo(g,h,i)perylene	- -	µg/L	5.5 U	4.6 U	230 U	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Benzo(k)fluoranthene	0.002	ug/L	5.5 U	4.6 U	230 U	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Chrysene	0.002	µg/L	5.5 U	4.6 U	230 UJ	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Dibenzo(a,h)anthracene	- -	ug/L	5.5 U	4.6 U	230 U	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Fluoranthene	50	µg/L	**0.5 J**	**0.56 J**	230 U	5.1 U	**0.44 J**	**0.6 J**	4.6 U	**0.63 J**	**0.93 J**	**0.55 J**	**1.6 J**	**0.81 J**	**1.2 J**	25 U
Fluorene	50	µg/L	**2.2 J**	**8.4**	230 U	**3.4 J**	**3.5 J**	**5.9**	4.6 U	**8**	**16**	**11**	**21**	**9.7**	**18**	**4.1 J**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5.5 U	4.6 U	230 UJ	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U
Naphthalene	10	µg/L	**1.3 J**	4.6 U	**120 J**	5.1 U	**18**	**12**	4.6 U	5 U	**290 D**	**7.8**	**99 D**	5 U	**90 D**	25 U
Phenanthrene	50	µg/L	5.5 U	**1.5 J**	230 U	**0.89 J**	**1.1 J**	**2.4 J**	4.6 U	**2.6 J**	**4.8 J**	**2.1 J**	**7.8**	**0.93 J**	**2.3 J**	25 U
Pyrene	50	µg/L	**0.53 J**	**0.68 J**	230 U	5.1 U	4.7 U	**0.59 J**	4.6 U	**0.61 J**	**1 J**	**0.51 J**	**1.5 J**	**0.87 J**	**1.7 J**	25 U
Total PAHs	- -	µg/L	**24.5 J**	**54.9 J**	**181 J**	**44.7 J**	**43.3 J**	**61.1 J**	ND	**69.5 J**	**401 J**	**86.2 J**	**221 DJ**	**53 J**	**192 J**	**45.1 J**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Standards & Guidance Values	Units	PTMW-0202 (cont.)								
Date Collected:			11/18/20	05/26/21	11/11/21	05/24/22	11/15/22	05/23/23	11/07/23	05/21/24	11/19/24
BTEX											
Benzene	1	µg/L	**580 D**	**56 J**	**64**	**16**	**460**	**55 J**	**140**	**8.3**	**390 J**
Ethylbenzene	5	µg/L	**0.98 J**	1 U	1 U	1 U	10 U	1 UJ	4.0 U	4.0 U	5.0 U
m/p-Xylenes	5	µg/L	**2.9**	2 U	**1.1 J**	2 U	20 U	2 U	8.0 U	8.0 U	10 U
o-Xylene	5	µg/L	**11**	**2**	**2.8**	1 U	**8.4 J**	**1.0 J**	4.0 U	4.0 U	**5.1**
Toluene	5	µg/L	**0.64 J**	1 U	1 U	1 U	10 U	1 U	4.0 U	4.0 U	5.0 U
Xylenes (total)	5	µg/L	**14**	**2**	**3.9**	2 U	**8.4 J**	**1.0 J**	8.0 U	8.0 U	**5.1 J**
Total BTEX	- -	µg/L	**596 DJ**	**58 J**	**67.9 J**	**16**	**468 J**	**56 J**	**140**	**8.3**	**395 J**
PAHs											
Acenaphthene	20	µg/L	**73**	**41 J**	**51**	**34**	**60 J**	**40**	**51**	**26 J**	**63 D**
Acenaphthylene	- -	µg/L	25 U	25 U	25 U	26 U	25 U	5 U	6.0 U	5.0 UJ	**0.56 J**
Anthracene	50	µg/L	25 U	25 U	25 U	26 U	25 U	**0.54 J**	**0.91 J**	**0.28 J**	**1.2 J**
Benzo(a)anthracene	0.002	µg/L	25 U	25 U	25 U	26 U	25 U	5 U	6.0 U	5.0 UJ	5.0 U
Benzo(a)pyrene	0	µg/L	25 U	25 U	25 U	26 U	25 U	5 U	6.0 UJ	5.0 UJ	5.0 U
Benzo(b)fluoranthene	0.002	µg/L	25 U	25 U	25 U	26 U	25 U	5 U	6.0 U	5.0 UJ	5.0 U
Benzo(g,h,i)perylene	- -	µg/L	25 U	25 U	25 U	26 U	25 U	5 U	6.0 U	5.0 UJ	5.0 U
Benzo(k)fluoranthene	0.002	ug/L	25 U	25 U	25 U	26 U	25 U	5 U	6.0 U	5.0 UJ	5.0 U
Chrysene	0.002	µg/L	25 U	25 U	25 U	26 U	25 U	5 U	6.0 U	5.0 UJ	5.0 U
Dibenzo(a,h)anthracene	- -	ug/L	25 U	25 U	25 U	26 UJ	25 U	5 U	6.0 UJ	5.0 UJ	5.0 U
Fluoranthene	50	µg/L	25 U	25 U	25 U	26 U	25 U	**0.58 J**	**0.71 J**	**0.51 J**	**0.95 J**
Fluorene	50	µg/L	**15 J**	**5.2 J**	**11 J**	**5.5 J**	**13 J**	**5.4**	**9.1**	**4.0 J**	**17**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	25 U	25 U	25 U	26 U	25 U	5 U	6.0 UJ	5.0 UJ	5.0 U
Naphthalene	10	µg/L	**110**	25 U	**15 J**	26 U	**43 J**	5 U	**3.3 J**	5.0 U	**8.2**
Phenanthrene	50	µg/L	**3.2 J**	25 U	**2.8 J**	26 U	25 U	**0.63 J**	**3.1 J**	5.0 UJ	**3.1 J**
Pyrene	50	µg/L	25 U	25 U	25 U	26 U	25 U	**0.60 J**	**0.76 J**	**0.56 J**	**0.94 J**
Total PAHs	- -	µg/L	**201 J**	**46.2 J**	**79.8 J**	**39.5 J**	**116 J**	**47.8 J**	**68.9 J**	**31.4 J**	**95.0 J**

See notes on last page.

Table 4
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Notes:
1. Samples were submitted to Eurofins TestAmerica, Amherst, New York, for analysis using USEPA SW-846 Methods 8260B (VOCs) and 8270C (SVOCs).
2. - - Indicates no NYSDEC Division of Water TOGS 1.1.1 Water Quality Standard or Guidance Value (NYSDEC 1998) established.
3. Sample results detected above the MDL are presented in bold font.
4. Shading indicates that the result exceeds the NYSDEC TOGS 1.1.1 Water Quality Standard or Guidance Value (NYSDEC 1998).
5. Only detected BTEX and PAHs are presented.
6. For groundwater samples where the laboratory reported both the individual congeners for xylenes (m/p- & o-) plus a value for total xylenes, total BTEX calculations used the laboratory reported value for total xylenes.

Acronyms and Abbreviations:
BTEX - benzene, ethylbenzene, toluene, and xylenes
MDL - Method Detection Limit
NA - not analyzed
ND - not detected
NYSDEC - New York State Department of Environmental Conservation
PAH - polycyclic aromatic hydrocarbons
PQL - practical quantitation limit
SVOC - semi-volatile organic compound
TOGS - Technical and Operational Guidance
µg/L - micrograms per liter
USEPA - United States Environmental Protection Agency
VOC - volatile organic compound

Lab 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.
UB - The compound is considered non-detect at the listed value due to associated blank contamination.
UJ - The compound was not detected greater than the PQL. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

Reference:
NYSDEC 1998. Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. October 22, 2993; reissued June 1998.

Table 5
Summary Statistics and Trend Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Well ID	Analyte	Date Range	Kruskal-Wallis Seasonal Evaluation Seasonal (Y / N)	FOD	Detected Results Summary[1]				Mann-Kendall Test[2,3]				Seasonal Kendall[5]			
					Range	Mean	Median	SD	MK Result[4]	P-Value	S-Value	Potential Trend[6]	Seasonal MK Result[4]	P-Value	S-Value	Potential Trend[6]
MW-0201	Benzene	11/13 - 11/24	N	23 / 23	20 - 500	174	120	140	DWN	<0.01	-164	NA	--	--	--	--
MW-0201	Toluene	11/13 - 11/24	N	21 / 23	1.4 - 8.3	3.7	3	2.2	DWN	<0.01	-86	NA	--	--	--	--
MW-0201	Ethylbenzene	11/13 - 11/24	N	23 / 23	20 - 390	108	69	93.5	DWN	<0.01	-98	NA	--	--	--	--
MW-0201	m,p-Xylene	11/13 - 11/24	N	22 / 23	3 - 44	13.8	11.5	10.7	NST	0.22	-30	pDWN	--	--	--	--
MW-0201	o-Xylene	11/13 - 11/24	N	23 / 23	23 - 140	62.4	54	32.6	DWN	<0.01	-104	NA	--	--	--	--
MW-0201	Xylenes (total)	11/13 - 11/24	N	23 / 23	26 - 180	75.6	61	42	DWN	<0.01	-92	NA	--	--	--	--
MW-0201	Total BTEX	11/13 - 11/24	N	23 / 23	73.4 - 1040	361	258	270	DWN	<0.01	-135	NA	--	--	--	--
MW-0201	Naphthalene	11/13 - 11/24	Y	19 / 23	0.9 - 580	240	210	159	NST	0.06	-59	pDWN	DWN	0.02	-41	NA
MW-0201	Total PAH	11/13 - 11/24	Y	19 / 23	0.9 - 580	240	210	159	NST	0.06	-59	pDWN	DWN	0.02	-41	NA
PTMW-0202	Benzene	11/13 - 11/24	Y	22 / 23	8.3 - 580	176	93.5	170	NST	0.31	20	pUP	NST	0.48	2	NPT
PTMW-0202	o-Xylene	11/13 - 11/24	Y	17 / 23	0.97 - 17	5.3	4.9	4.3	NST	0.47	-4	NPT	NST	0.27	-13	pDWN
PTMW-0202	Xylenes (total)	11/13 - 11/24	Y	17 / 23	0.97 - 21	6	4.9	5.4	NST	0.43	-8	pDWN	NST	0.20	-17	pDWN
PTMW-0202	Total BTEX	11/13 - 11/24	Y	22 / 23	8.3 - 596	183	94.45	178	NST	0.36	15	pUP	NST	0.46	-3	NPT
PTMW-0202	Acenaphthene	11/13 - 11/24	N	22 / 23	20 - 88	50.6	47	19.4	NST	0.27	24	pUP	--	--	--	--
PTMW-0202	Anthracene	11/13 - 11/24	N	13 / 23	0.27 - 1.7	0.79	0.64	0.44	NST	0.17	35	pUP	--	--	--	--
PTMW-0202	Fluoranthene	11/13 - 11/24	N	14 / 23	0.44 - 1.6	0.76	0.615	0.32	NST	0.31	19	pUP	--	--	--	--
PTMW-0202	Fluorene	11/13 - 11/24	N	21 / 23	2.2 - 21	9.4	8.4	5.5	UP	0.04	67	NA	--	--	--	--
PTMW-0202	Naphthalene	11/13 - 11/24	Y	13 / 23	1.3 - 290	62.9	18	81.5	NST	0.34	-16	pDWN	NST	0.14	-19	pDWN
PTMW-0202	Phenanthrene	11/13 - 11/24	N	15 / 23	0.63 - 7.8	2.6	2.4	1.8	NST	0.32	18	pUP	--	--	--	--
PTMW-0202	Pyrene	11/13 - 11/24	N	13 / 23	0.51 - 1.7	0.83	0.68	0.38	NST	0.30	20	pUP	--	--	--	--
PTMW-0202	Total PAH	11/13 - 11/24	Y	22 / 23	24.5 - 401	100	65	89.4	NST	0.34	17	pUP	NST	0.18	-19	pDWN
MW-8806S	Benzene	11/13 - 11/24	Y	9 / 23	0.43 - 810	141	24	260	NST	0.37	-12	pDWN	NST	0.20	-14	pDWN
MW-8806S	o-Xylene	11/13 - 11/24	Y	6 / 23	5.5 - 220	57.5	32	81.7	NST	0.10	-39	pDWN	DWN	0.05	-23	NA
MW-8806S	Xylenes (total)	11/13 - 11/24	Y	6 / 23	5.5 - 310	80.6	41.5	116	NST	0.10	-39	pDWN	DWN	0.05	-23	NA
MW-8806S	Total BTEX	11/13 - 11/24	Y	9 / 23	0.43 - 1340	234	44.9	428	NST	0.39	-10	pDWN	NST	0.24	-12	pDWN
MW-8806S	Acenaphthene	11/13 - 11/24	Y	6 / 23	0.51 - 36	8.8	4.1	13.5	NST	0.45	-5	pDWN	NST	0.38	-5	pDWN
MW-8806S	Total PAH	11/13 - 11/24	Y	7 / 23	0.51 - 1450	279	78.3	523	NST	0.16	-31	pDWN	NST	0.07	-22	pDWN

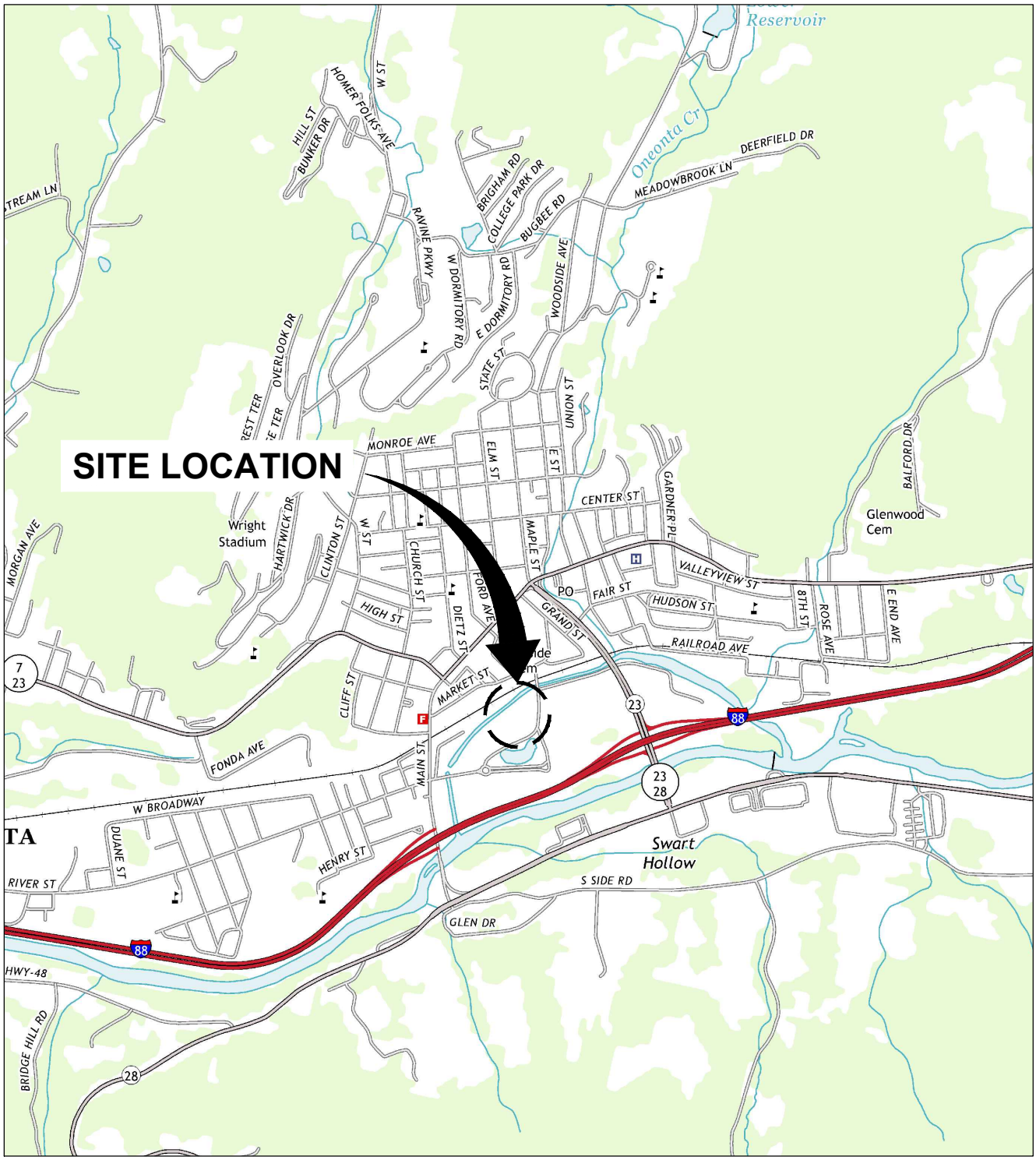
Notes:
1. All analytical results are in µg/L.
2. Trend results are presented when at least eight samples and 25% detected values are available.
3. Non-detects were assigned a common value less than the minimum detected value, equal to half the minimum reporting limit in the dataset (USEPA 2009). If half the minimum reporting limit was greater than the minimum detected value, then half the minimum detect was assigned.
4. Statistically significant trend is defined as having a p-value ≤ 0.05, or 95% confidence. Increasing or decreasing trend determination made based on sign of the S-value.
5. For seasonal MK, non-detects were assigned a common value less than the minimum detected value (95% of the minimum detected value) (USEPA 2009).
6. Potential trend evaluation basis: S value > 5 = potentially increasing; S-value < -5 = potentially decreasing.

Abbreviations:

-- = seasonality not significant, based on Kruskal-Wallis test
BTEX = benzene, toluene, ethylbenzene, and xylene
DWN = downward trend
FOD = frequency of detection (# detects / # samples)
Mean = arithmetic mean
MK = Mann-Kendall
N = no
NA = not applicable due to statistically significant trend
NPT = no potential trend
NST = no significant trend
PAH = polycyclic aromatic hydrocarbon
pDWN = potential downward trend
pUP = potential upward trend
SD = standard deviation
µg/L = micrograms per liter
UP = upward trend
USEPA = United States Environmental Protection Agency
Y = yes

Reference:
USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. Unified Guidance. EPA/530/R-09/007, 2009.

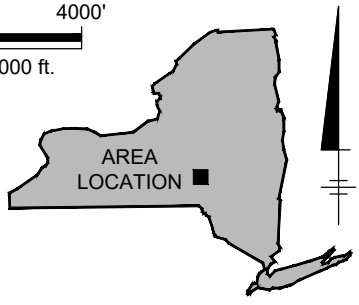
Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., ONEONTA, NY, 2013

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.

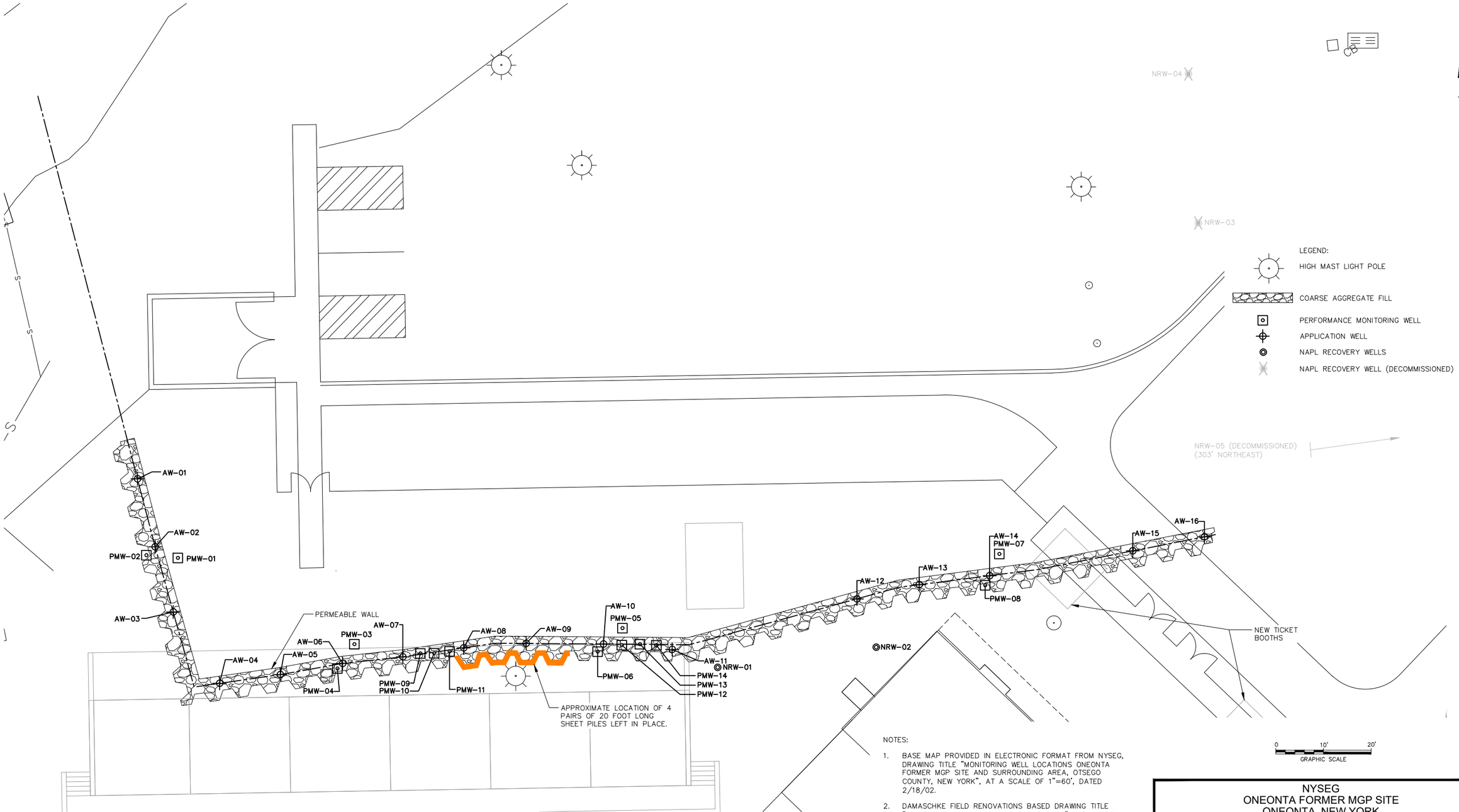


NYSEG
ONEONTA FORMER MGP SITE
ONEONTA, NEW YORK
PERIODIC REVIEW REPORT

SITE LOCATION MAP

ARCADIS

FIGURE
1



NOTES:

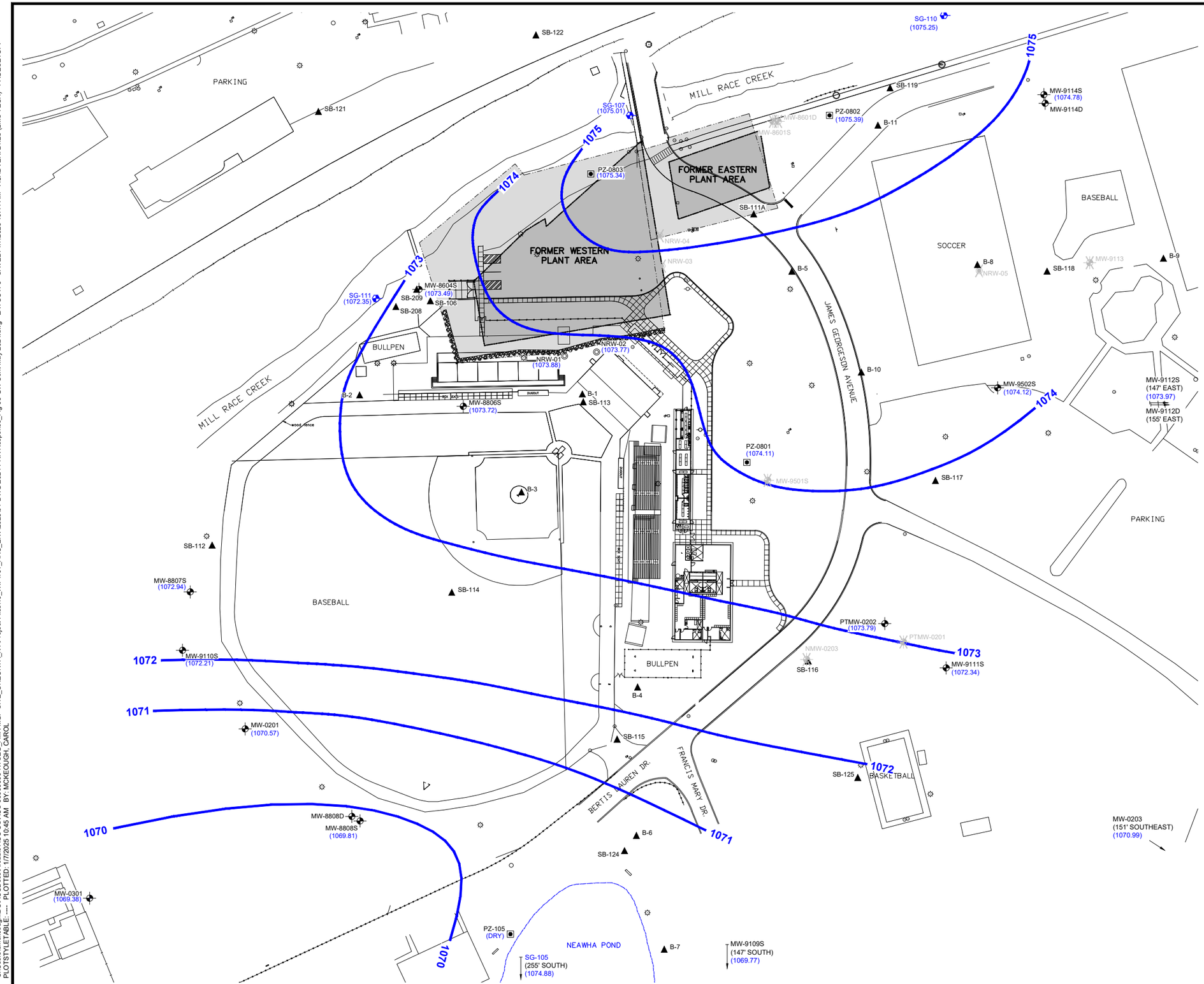
1. BASE MAP PROVIDED IN ELECTRONIC FORMAT FROM NYSEG, DRAWING TITLE "MONITORING WELL LOCATIONS ONEONTA FORMER MGP SITE AND SURROUNDING AREA, OTSEGO COUNTY, NEW YORK", AT A SCALE OF 1"=60', DATED 2/18/02.
2. DAMASCHKE FIELD RENOVATIONS BASED DRAWING TITLE "AIR MONITORING LOCATIONS ONEONTA MGP" FROM NYSEG DATED 6/27/07 AND AERIAL PHOTOGRAPHS.
3. WALL AND WELL LOCATIONS PROVIDED IN ELECTRONIC FORMAT FROM NYSEG, DRAWING TITLE "NEW WELL LOCATIONS", AT A SCALE OF 1"=30', DATED 3/18/08.
4. APPROXIMATE LOCATION OF SHEET PILES LEFT IN PLACE OBTAINED FROM EARTH TECH CORRESPONDENCE DATED JULY 18, 2007.
5. NAPL = NON-AQUEOUS PHASE LIQUID.
6. NAPL RECOVERY WELLS NRW-03, NRW-04, AND NRW-05 WERE DECOMMISSIONED ON MAY 22, 2019.

NYSEG
ONEONTA FORMER MGP SITE
ONEONTA, NEW YORK
PERIODIC REVIEW REPORT

PERMEABLE WALL AND ASSOCIATED WELLS

ARCADIS

FIGURE
2



LEGEND:

- HIGH MAST LIGHT POLE
- PERMEABLE WALL LOCATION (APPROXIMATE)
- FORMER MGP EXCAVATION LIMITS (PROVIDED BY NYSEG)
- NAPL RECOVERY WELL
- STAFF GAUGE
- MONITORING WELL
- SOIL BORING
- PIEZOMETER
- MONITORING WELL (DECOMMISSIONED)
- NAPL RECOVERY WELL (DECOMMISSIONED)
- 1073 — WATER TABLE ELEVATION (FAMSL)
- (1072.35) GROUNDWATER ELEVATION (FAMSL)

NOTES:

1. BASE MAP PROVIDED IN ELECTRONIC FORMAT FROM NYSEG, DRAWING TITLE "MONITORING WELL LOCATIONS ONEONTA FORMER MGP SITE AND SURROUNDING AREA, OTSEGO COUNTY, NEW YORK, AT A SCALE OF 1"=60', DATED 2/18/02.
2. DAMASCHKE FIELD RENOVATIONS BASED DRAWING TITLE "AIR MONITORING LOCATIONS ONEONTA MGP" FROM NYSEG DATED 6/27/07 AND AERIAL PHOTOGRAPHS.
3. ALL ELEVATIONS ARE REFERENCED TO NGVD 1929.
4. FAMSL – FEET ABOVE MEAN SEA LEVEL.

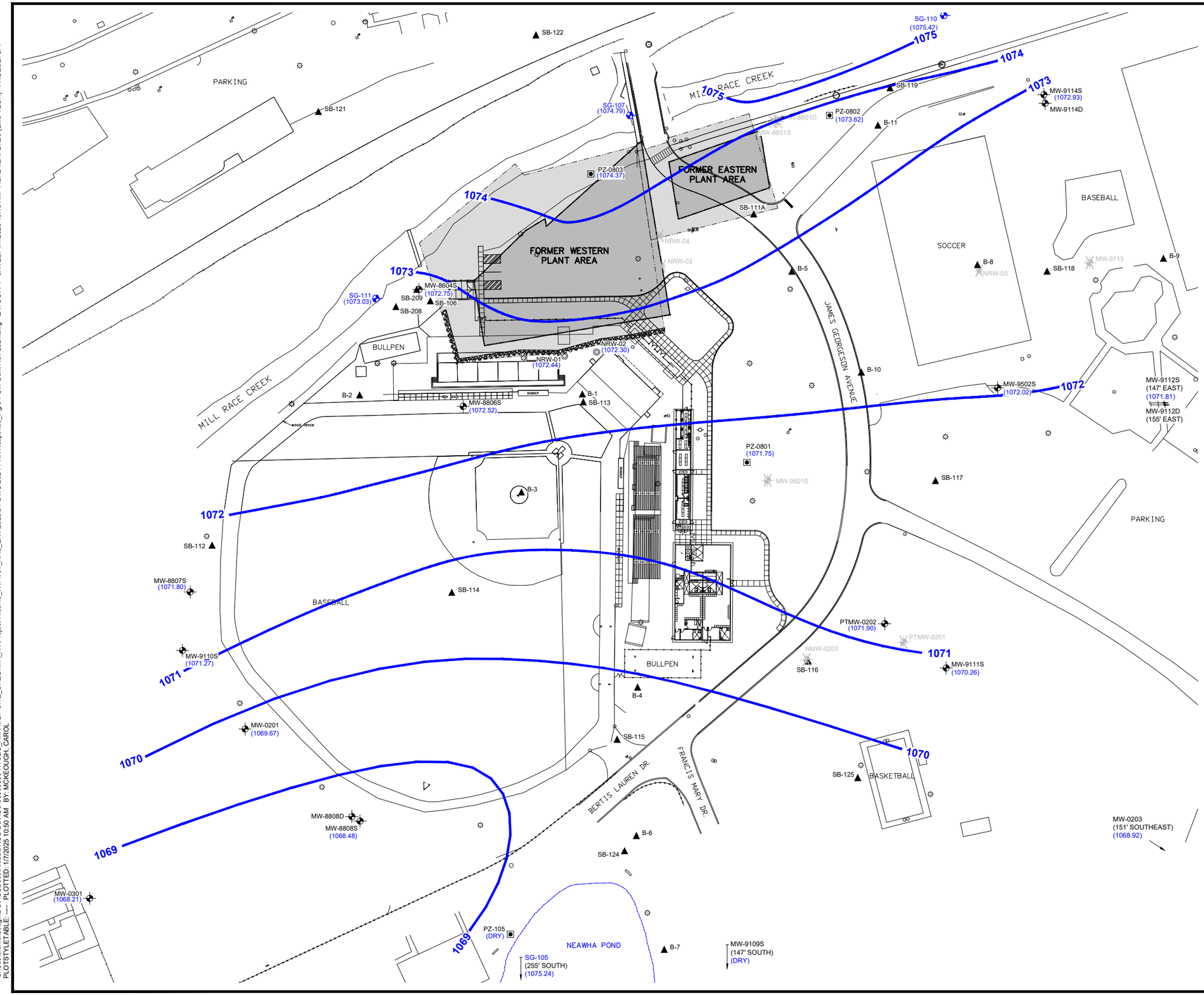
0 50' 100'
GRAPHIC SCALE

NYSEG
ONEONTA FORMER MGP SITE
ONEONTA, NEW YORK
PERIODIC REVIEW REPORT

POTENTIOMETRIC SURFACE - MAY 20, 2024

ARCADIS

FIGURE
3



LEGEND:

- HIGH MAST LIGHT POLE
- PERMEABLE WALL LOCATION (APPROXIMATE)
- FORMER MGP EXCAVATION LIMITS (PROVIDED BY NYSEG)
- NAPL RECOVERY WELL
- STAFF GAUGE
- MONITORING WELL
- SOIL BORING
- PIEZOMETER
- MONITORING WELL (DECOMMISSIONED)
- NAPL RECOVERY WELL (DECOMMISSIONED)
- 1073 — WATER TABLE ELEVATION (FAMSL)
- (1074.37) GROUNDWATER ELEVATION (FAMSL)

NOTES:

1. BASE MAP PROVIDED IN ELECTRONIC FORMAT FROM NYSEG, DRAWING TITLE "MONITORING WELL LOCATIONS ONEONTA FORMER MGP SITE AND SURROUNDING AREA, OTSEGO COUNTY, NEW YORK, AT A SCALE OF 1"=60', DATED 2/18/02.
2. DAMASCHKE FIELD RENOVATIONS BASED DRAWING TITLE "AIR MONITORING LOCATIONS ONEONTA MGP" FROM NYSEG DATED 6/27/07 AND AERIAL PHOTOGRAPHS.
3. ALL ELEVATIONS ARE REFERENCED TO NGVD 1929.
4. FAMSL – FEET ABOVE MEAN SEA LEVEL.

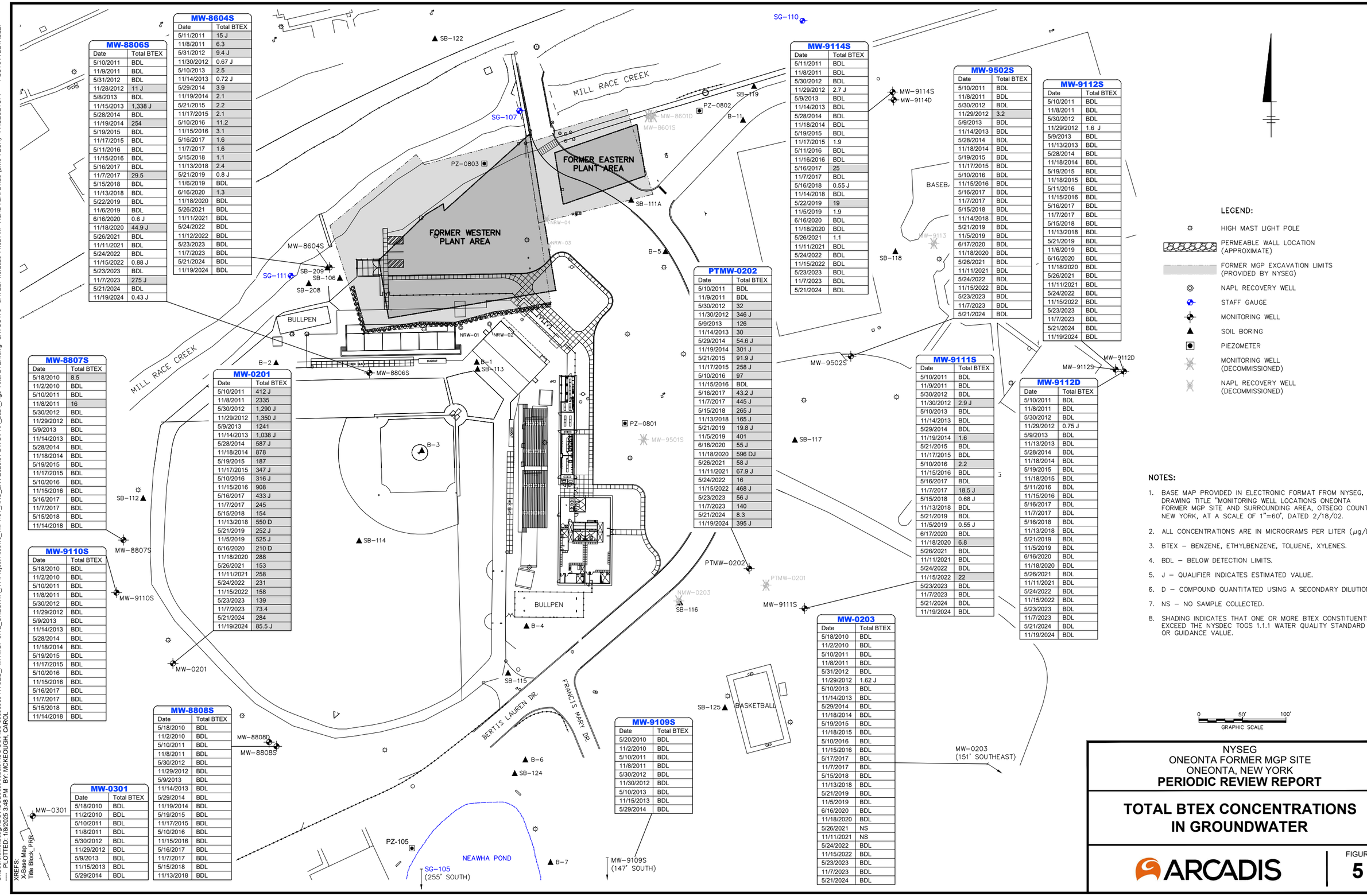
0 50' 100'
GRAPHIC SCALE

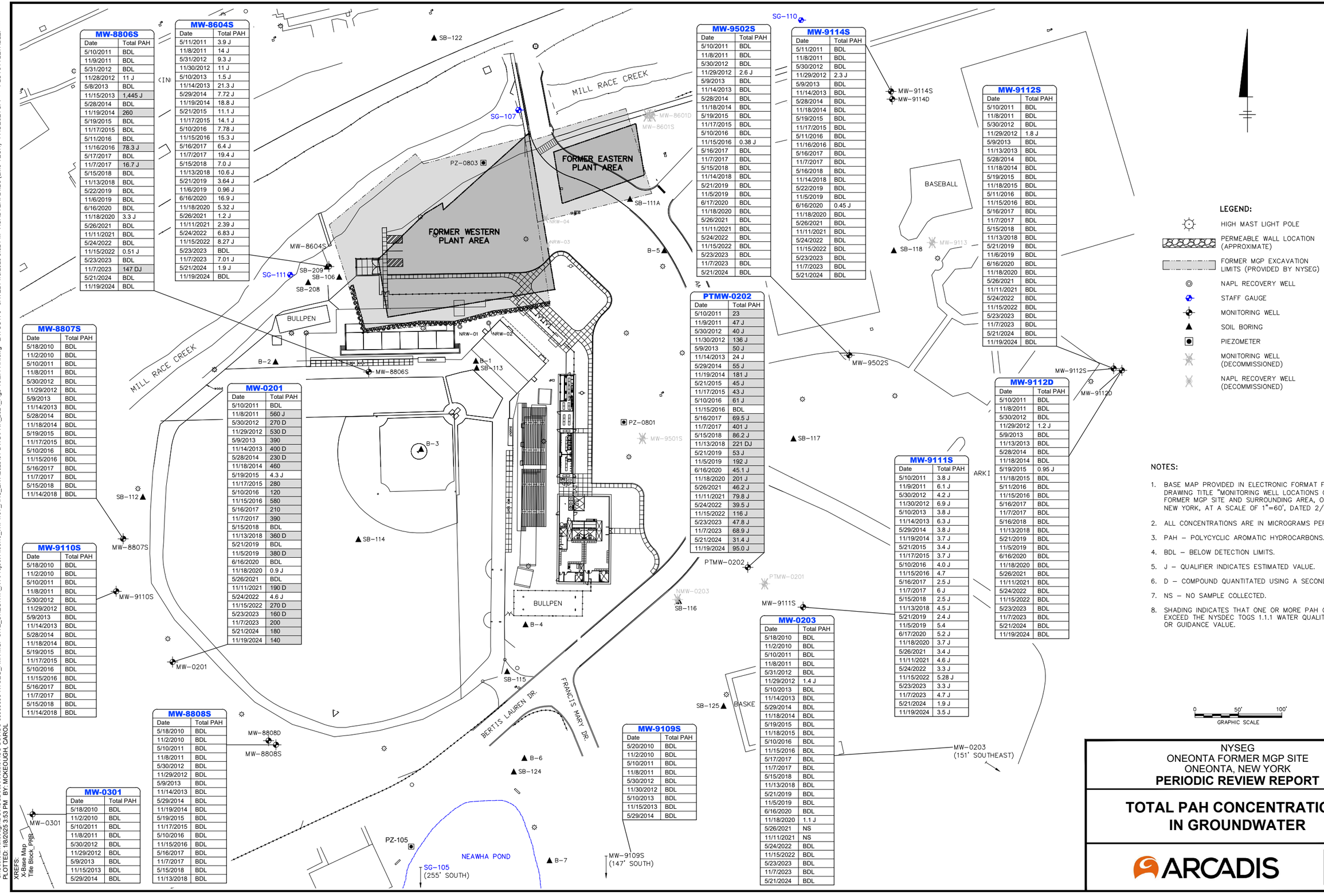
NYSEG
ONEONTA FORMER MGP SITE
ONEONTA, NEW YORK
PERIODIC REVIEW REPORT

POTENTIOMETRIC SURFACE - NOVEMBER 18, 2024

ARCADIS

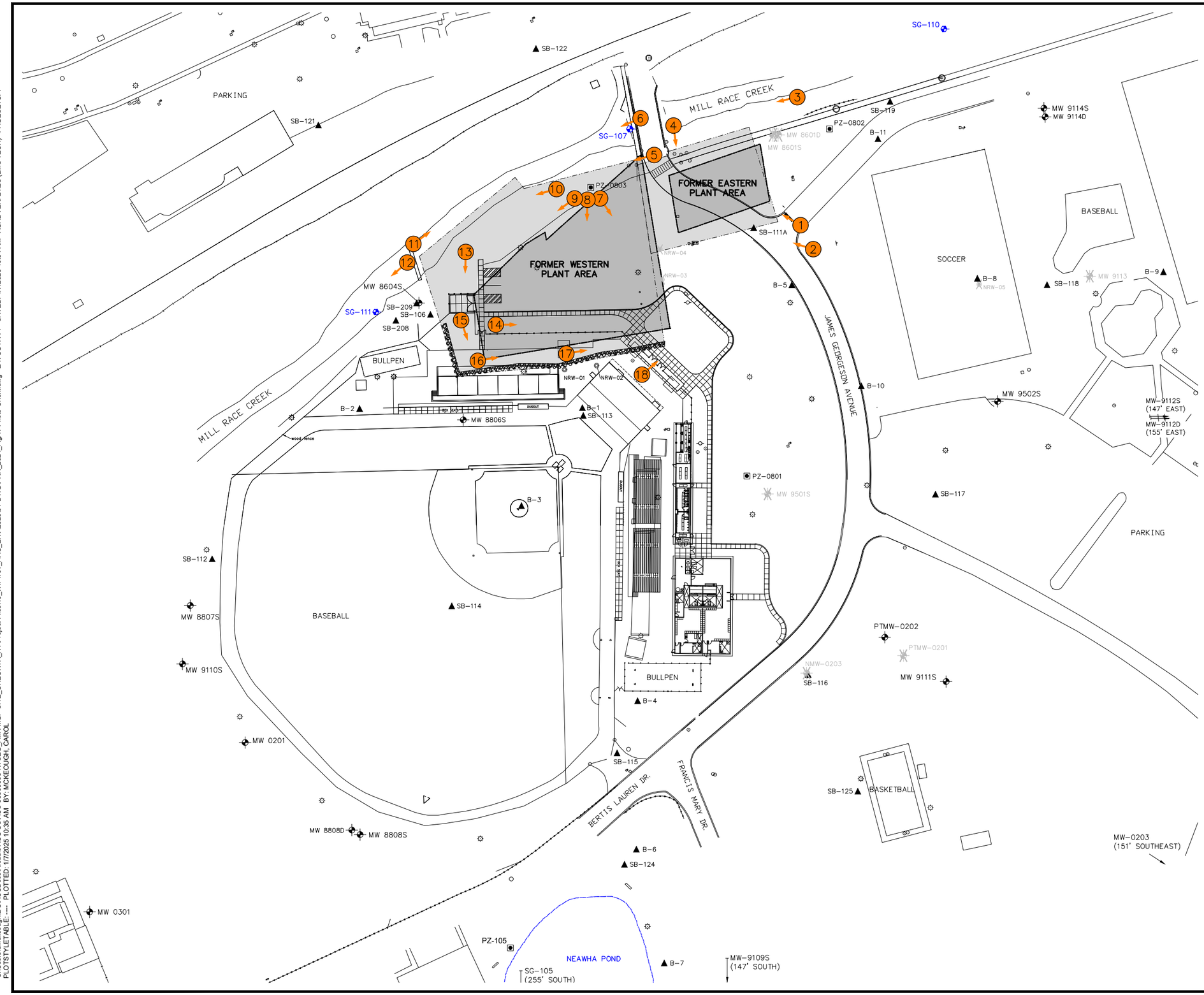
FIGURE
4


MW-8806S
Date | Total BTEX
5/10/2011 | BDL
11/9/2011 | BDL
5/31/2012 | BDL
11/28/2012 | 11 J
5/8/2013 | BDL
11/15/2013 | 1,338 J
5/28/2014 | BDL
11/19/2014 | 254
5/19/2015 | BDL
11/17/2015 | BDL
5/11/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | 29.5
5/15/2018 | BDL
11/13/2018 | BDL
5/22/2019 | BDL
11/6/2019 | BDL
6/16/2020 | 0.6 J
11/18/2020 | 44.9 J
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | 0.88 J
5/23/2023 | BDL
11/7/2023 | 275 J
5/21/2024 | BDL
11/19/2024 | 0.43 J
MW-8604S
Date | Total BTEX
5/11/2011 | 15 J
11/8/2011 | 6.3
5/31/2012 | 9.4 J
11/30/2012 | 0.67 J
5/10/2013 | 2.5
11/14/2013 | 0.72 J
5/29/2014 | 3.9
11/19/2014 | 2.1
5/21/2015 | 2.2
11/17/2015 | 2.1
5/10/2016 | 11.2
11/15/2016 | 3.1
5/16/2017 | 1.6
11/7/2017 | 1.6
5/15/2018 | 1.1
11/13/2018 | 2.4
5/21/2019 | 0.8 J
11/6/2019 | BDL
6/16/2020 | 1.3
11/18/2020 | BDL
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/12/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
11/19/2024 | BDL
MW-8807S
Date | Total BTEX
5/18/2010 | 8.5
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | 16
5/30/2012 | BDL
11/29/2012 | BDL
5/9/2013 | BDL
11/14/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/17/2015 | BDL
5/10/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/14/2018 | BDL
MW-9110S
Date | Total BTEX
5/18/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | BDL
5/9/2013 | BDL
11/14/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/17/2015 | BDL
5/10/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/14/2018 | BDL
MW-0201
Date | Total BTEX
5/10/2011 | 412 J
11/8/2011 | 2335
5/30/2012 | 1,290 J
11/29/2012 | 1,350 J
5/9/2013 | 1241
11/14/2013 | 1,038 J
5/28/2014 | 587 J
11/18/2014 | 878
5/19/2015 | 187
11/17/2015 | 347 J
5/10/2016 | 316 J
11/15/2016 | 908
5/16/2017 | 433 J
11/7/2017 | 245
5/15/2018 | 154
11/13/2018 | 550 D
5/21/2019 | 252 J
11/5/2019 | 525 J
6/16/2020 | 210 D
11/18/2020 | 288
5/26/2021 | 153
11/11/2021 | 258
5/24/2022 | 231
11/15/2022 | 158
5/23/2023 | 139
11/7/2023 | 73.4
5/21/2024 | 284
11/19/2024 | 85.5 J
MW-8808S
Date | Total BTEX
5/18/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | BDL
5/9/2013 | BDL
11/14/2013 | BDL
5/29/2014 | BDL
11/19/2014 | BDL
5/19/2015 | BDL
11/17/2015 | BDL
5/10/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/13/2018 | BDL
MW-0301
Date | Total BTEX
5/18/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | BDL
5/9/2013 | BDL
11/15/2013 | BDL
5/29/2014 | BDL
PTMW-0202
Date | Total BTEX
5/10/2011 | BDL
11/9/2011 | BDL
5/30/2012 | 32
11/30/2012 | 346 J
5/9/2013 | 126
11/14/2013 | 30
5/29/2014 | 54.6 J
11/19/2014 | 301 J
5/21/2015 | 91.9 J
11/17/2015 | 258 J
5/10/2016 | 97
11/15/2016 | BDL
5/16/2017 | 43.2 J
11/7/2017 | 445 J
5/15/2018 | 265 J
11/13/2018 | 165 J
5/21/2019 | 19.8 J
11/5/2019 | 401
6/16/2020 | 55 J
11/18/2020 | 596 DJ
5/26/2021 | 58 J
11/11/2021 | 67.9 J
5/24/2022 | 16
11/15/2022 | 468 J
5/23/2023 | 56 J
11/7/2023 | 140
5/21/2024 | 8.3
11/19/2024 | 395 J
MW-9109S
Date | Total BTEX
5/20/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/30/2012 | BDL
5/10/2013 | BDL
11/15/2013 | BDL
5/29/2014 | BDL
MW-9114S
Date | Total BTEX
5/11/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | 2.7 J
5/9/2013 | BDL
11/14/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/17/2015 | 1.9
5/11/2016 | BDL
11/16/2016 | BDL
5/16/2017 | 25
11/7/2017 | BDL
5/16/2018 | 0.55 J
11/14/2018 | BDL
5/22/2019 | 19
11/5/2019 | 1.9
6/16/2020 | BDL
11/18/2020 | BDL
5/26/2021 | 1.1
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
MW-9502S
Date | Total BTEX
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | 3.2
5/9/2013 | BDL
11/14/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/17/2015 | BDL
5/10/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/14/2018 | BDL
5/21/2019 | BDL
11/5/2019 | BDL
6/17/2020 | BDL
11/18/2020 | BDL
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
MW-9111S
Date | Total BTEX
5/10/2011 | BDL
11/9/2011 | BDL
5/30/2012 | BDL
11/30/2012 | 2.9 J
5/10/2013 | BDL
11/14/2013 | BDL
5/29/2014 | BDL
11/19/2014 | 1.6
5/21/2015 | BDL
11/17/2015 | BDL
5/10/2016 | 2.2
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | 18.5 J
5/15/2018 | 0.68 J
11/13/2018 | BDL
5/21/2019 | BDL
11/5/2019 | 0.55 J
6/17/2020 | BDL
11/18/2020 | 6.8
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | 22
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
11/19/2024 | BDL
MW-9112S
Date | Total BTEX
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | 1.6 J
5/9/2013 | BDL
11/13/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/18/2015 | BDL
5/11/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/13/2018 | BDL
5/21/2019 | BDL
11/6/2019 | BDL
6/16/2020 | BDL
11/18/2020 | BDL
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
11/19/2024 | BDL
MW-9112D
Date | Total BTEX
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | 0.75 J
5/9/2013 | BDL
11/13/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/18/2015 | BDL
5/11/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/16/2018 | BDL
11/13/2018 | BDL
5/21/2019 | BDL
11/5/2019 | BDL
6/16/2020 | BDL
11/18/2020 | BDL
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
11/19/2024 | BDL
MW-0203
Date | Total BTEX
5/18/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/31/2012 | BDL
11/29/2012 | 1.62 J
5/10/2013 | BDL
11/14/2013 | BDL
5/29/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/18/2015 | BDL
5/10/2016 | BDL
11/15/2016 | BDL
5/17/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/13/2018 | BDL
5/21/2019 | BDL
11/5/2019 | BDL
6/16/2020 | BDL
11/18/2020 | BDL
5/26/2021 | NS
11/11/2021 | NS
5/24/2022 | BDL
11/15/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
FORMER EASTERN PLANT AREA
FORMER WESTERN PLANT AREA
MILL RACE CREEK
BULLPEN
BULLPEN
BASEBALL
BASKETBALL
NEAWHA POND
BERTIS LAUREN DR.
FRANCIS MARY DR.
SG-105 (255' SOUTH)
MW-9109S (147' SOUTH)
MW-0203 (151' SOUTHEAST)
LEGEND:
HIGH MAST LIGHT POLE
PERMEABLE WALL LOCATION (APPROXIMATE)
FORMER MGP EXCAVATION LIMITS (PROVIDED BY NYSEG)
NAPL RECOVERY WELL
STAFF GAUGE
MONITORING WELL
SOIL BORING
PIEZOMETER
MONITORING WELL (DECOMMISSIONED)
NAPL RECOVERY WELL (DECOMMISSIONED)
NOTES:
1. BASE MAP PROVIDED IN ELECTRONIC FORMAT FROM NYSEG, DRAWING TITLE "MONITORING WELL LOCATIONS ONEONTA FORMER MGP SITE AND SURROUNDING AREA, OTSEGO COUNTY, NEW YORK, AT A SCALE OF 1"=60', DATED 2/18/02.
2. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (µg/L).
3. BTEX – BENZENE, ETHYLBENZENE, TOLUENE, XYLENES.
4. BDL – BELOW DETECTION LIMITS.
5. J – QUALIFIER INDICATES ESTIMATED VALUE.
6. D – COMPOUND QUANTITATED USING A SECONDARY DILUTION.
7. NS – NO SAMPLE COLLECTED.
8. SHADING INDICATES THAT ONE OR MORE BTEX CONSTITUENTS EXCEED THE NYSDEC TOGS 1.1.1 WATER QUALITY STANDARD OR GUIDANCE VALUE.
0 50' 100'
GRAPHIC SCALE
XREFS:
X-Base Map
Title Block_PRB
NYSEG
ONEONTA FORMER MGP SITE
ONEONTA, NEW YORK
PERIODIC REVIEW REPORT
TOTAL BTEX CONCENTRATIONS IN GROUNDWATER
ARCADIS
FIGURE 5
C:\Users\cmckeough\DCVACCDocs\Arcadis ACC US\AUS-99999999-NYSEG_FMR MGP SITE_ONEONTA_NY\Project Files\10_WIP\10T_ARC_ENV2025\01-DWG\PRR_2024_Fig5-Total BTEX.dwg LAYOUT: 5 SAVED: 1/8/2025 11:32 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: ---- PLOTTED: 1/8/2025 3:48 PM BY: MCKEOUGH, CAROL


MW-8806S
Date | Total PAH
5/10/2011 | BDL
11/9/2011 | BDL
5/31/2012 | BDL
11/28/2012 | 11 J
5/8/2013 | BDL
11/15/2013 | 1,445 J
5/28/2014 | BDL
11/19/2014 | 260
5/19/2015 | BDL
11/17/2015 | BDL
5/11/2016 | BDL
11/16/2016 | 78.3 J
5/17/2017 | BDL
11/7/2017 | 16.7 J
5/15/2018 | BDL
11/13/2018 | BDL
5/22/2019 | BDL
11/6/2019 | BDL
6/16/2020 | BDL
11/18/2020 | 3.3 J
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | 0.51 J
5/23/2023 | BDL
11/7/2023 | 147 DJ
5/21/2024 | BDL
11/19/2024 | BDL
MW-8604S
Date | Total PAH
5/11/2011 | 3.9 J
11/8/2011 | 14 J
5/31/2012 | 9.3 J
11/30/2012 | 11 J
5/10/2013 | 1.5 J
11/14/2013 | 21.3 J
5/29/2014 | 7.72 J
11/19/2014 | 18.8 J
5/21/2015 | 11.1 J
11/17/2015 | 14.1 J
5/10/2016 | 7.78 J
11/15/2016 | 15.3 J
5/16/2017 | 6.4 J
11/7/2017 | 19.4 J
5/15/2018 | 7.0 J
11/13/2018 | 10.6 J
5/21/2019 | 3.64 J
11/6/2019 | 0.96 J
6/16/2020 | 16.9 J
11/18/2020 | 5.32 J
5/26/2021 | 1.2 J
11/11/2021 | 2.39 J
5/24/2022 | 6.83 J
11/15/2022 | 8.27 J
5/23/2023 | BDL
11/7/2023 | 7.01 J
5/21/2024 | 1.9 J
11/19/2024 | BDL
MW-8807S
Date | Total PAH
5/18/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | BDL
5/9/2013 | BDL
11/14/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/17/2015 | BDL
5/10/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/14/2018 | BDL
MW-9110S
Date | Total PAH
5/18/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | BDL
5/9/2013 | BDL
11/14/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/17/2015 | BDL
5/10/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/14/2018 | BDL
MW-0201
Date | Total PAH
5/10/2011 | BDL
11/8/2011 | 560 J
5/30/2012 | 270 D
11/29/2012 | 530 D
5/9/2013 | 390
11/14/2013 | 400 D
5/28/2014 | 230 D
11/18/2014 | 460
5/19/2015 | 4.3 J
11/17/2015 | 280
5/10/2016 | 120
11/15/2016 | 580
5/16/2017 | 210
11/7/2017 | 390
5/15/2018 | BDL
11/13/2018 | 360 D
5/21/2019 | BDL
11/5/2019 | 380 D
6/16/2020 | BDL
11/18/2020 | 0.9 J
5/26/2021 | BDL
11/11/2021 | 190 D
5/24/2022 | 4.6 J
11/15/2022 | 270 D
5/23/2023 | 160 D
11/7/2023 | 200
5/21/2024 | 180
11/19/2024 | 140
MW-8808S
Date | Total PAH
5/18/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | BDL
5/9/2013 | BDL
11/14/2013 | BDL
5/29/2014 | BDL
11/19/2014 | BDL
5/19/2015 | BDL
11/17/2015 | BDL
5/10/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/13/2018 | BDL
MW-0301
Date | Total PAH
5/18/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | BDL
5/9/2013 | BDL
11/15/2013 | BDL
5/29/2014 | BDL
MW-9109S
Date | Total PAH
5/20/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/30/2012 | BDL
5/10/2013 | BDL
11/15/2013 | BDL
5/29/2014 | BDL
MW-9502S
Date | Total PAH
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | 2.6 J
5/9/2013 | BDL
11/14/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/17/2015 | BDL
5/10/2016 | BDL
11/15/2016 | 0.38 J
5/16/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/14/2018 | BDL
5/21/2019 | BDL
11/5/2019 | BDL
6/17/2020 | BDL
11/18/2020 | BDL
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
PTMW-0202
Date | Total PAH
5/10/2011 | 23
11/9/2011 | 47 J
5/30/2012 | 40 J
11/30/2012 | 136 J
5/9/2013 | 50 J
11/14/2013 | 24 J
5/29/2014 | 55 J
11/19/2014 | 181 J
5/21/2015 | 45 J
11/17/2015 | 43 J
5/10/2016 | 61 J
11/15/2016 | BDL
5/16/2017 | 69.5 J
11/7/2017 | 401 J
5/15/2018 | 86.2 J
11/13/2018 | 221 DJ
5/21/2019 | 53 J
11/5/2019 | 192 J
6/16/2020 | 45.1 J
11/18/2020 | 201 J
5/26/2021 | 46.2 J
11/11/2021 | 79.8 J
5/24/2022 | 39.5 J
11/15/2022 | 116 J
5/23/2023 | 47.8 J
11/7/2023 | 68.9 J
5/21/2024 | 31.4 J
11/19/2024 | 95.0 J
MW-9114S
Date | Total PAH
5/11/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | 2.3 J
5/9/2013 | BDL
11/14/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/17/2015 | BDL
5/11/2016 | BDL
11/16/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/16/2018 | BDL
11/14/2018 | BDL
5/22/2019 | BDL
11/5/2019 | BDL
6/16/2020 | 0.45 J
11/18/2020 | BDL
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
MW-9112S
Date | Total PAH
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | 1.8 J
5/9/2013 | BDL
11/13/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/18/2015 | BDL
5/11/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/13/2018 | BDL
5/21/2019 | BDL
11/6/2019 | BDL
6/16/2020 | BDL
11/18/2020 | BDL
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
11/19/2024 | BDL
MW-9112D
Date | Total PAH
5/10/2011 | BDL
11/8/2011 | BDL
5/30/2012 | BDL
11/29/2012 | 1.2 J
5/9/2013 | BDL
11/13/2013 | BDL
5/28/2014 | BDL
11/18/2014 | BDL
5/19/2015 | 0.95 J
11/18/2015 | BDL
5/11/2016 | BDL
11/15/2016 | BDL
5/16/2017 | BDL
11/7/2017 | BDL
5/16/2018 | BDL
11/13/2018 | BDL
5/21/2019 | BDL
11/5/2019 | BDL
6/16/2020 | BDL
11/18/2020 | BDL
5/26/2021 | BDL
11/11/2021 | BDL
5/24/2022 | BDL
11/15/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
11/19/2024 | BDL
MW-9111S
Date | Total PAH
5/10/2011 | 3.8 J
11/9/2011 | 6.1 J
5/30/2012 | 4.2 J
11/30/2012 | 6.9 J
5/10/2013 | 3.8 J
11/14/2013 | 6.3 J
5/29/2014 | 3.8 J
11/19/2014 | 3.7 J
5/21/2015 | 3.4 J
11/17/2015 | 3.7 J
5/10/2016 | 4.0 J
11/15/2016 | 4.7
5/16/2017 | 2.5 J
11/7/2017 | 6 J
5/15/2018 | 2.5 J
11/13/2018 | 4.5 J
5/21/2019 | 2.4 J
11/5/2019 | 5.4
6/17/2020 | 5.2 J
11/18/2020 | 3.7 J
5/26/2021 | 3.4 J
11/11/2021 | 4.6 J
5/24/2022 | 3.3 J
11/15/2022 | 5.28 J
5/23/2023 | 3.3 J
11/7/2023 | 4.7 J
5/21/2024 | 1.9 J
11/19/2024 | 3.5 J
MW-0203
Date | Total PAH
5/18/2010 | BDL
11/2/2010 | BDL
5/10/2011 | BDL
11/8/2011 | BDL
5/31/2012 | BDL
11/29/2012 | 1.4 J
5/10/2013 | BDL
11/14/2013 | BDL
5/29/2014 | BDL
11/18/2014 | BDL
5/19/2015 | BDL
11/18/2015 | BDL
5/10/2016 | BDL
11/15/2016 | BDL
5/17/2017 | BDL
11/7/2017 | BDL
5/15/2018 | BDL
11/13/2018 | BDL
5/21/2019 | BDL
11/5/2019 | BDL
6/16/2020 | BDL
11/18/2020 | 1.1 J
5/26/2021 | NS
11/11/2021 | NS
5/24/2022 | BDL
11/15/2022 | BDL
5/23/2023 | BDL
11/7/2023 | BDL
5/21/2024 | BDL
SB-122
SB-111A
SB-209
SB-106
SB-208
SB-112
SB-113
SB-114
SB-115
SB-116
SB-117
SB-118
SB-124
SB-125
MW-8601D
MW-8601S
MW-8604S
MW-8806S
MW-8807S
MW-9110S
MW-0201
MW-8808D
MW-8808S
MW-0301
MW-9114S
MW-9114D
MW-9502S
MW-9113
MW-9112S
MW-9112D
MW-9111S
MW-0203
(151' SOUTHEAST)
PTMW-0202
PTMW-0201
NMW-0203
MW-9501S
MW-9109S
(147' SOUTH)
PZ-0803
PZ-0801
PZ-105
SG-107
SG-111
SG-110
SG-105
(255' SOUTH)
NRW-01
NRW-02
NRW-03
NRW-04
B-1
B-2
B-3
B-4
B-5
B-6
B-7
FORMER EASTERN PLANT AREA
FORMER WESTERN PLANT AREA
MILL RACE CREEK
BULLPEN
BASEBALL
BASKE
ARKI
NEAWHA POND
BERTIS LAUREN DR.
FRANCIS MARY DR.
DUGOUT
SHED
LEGEND:
HIGH MAST LIGHT POLE
PERMEABLE WALL LOCATION (APPROXIMATE)
FORMER MGP EXCAVATION LIMITS (PROVIDED BY NYSEG)
NAPL RECOVERY WELL
STAFF GAUGE
MONITORING WELL
SOIL BORING
PIEZOMETER
MONITORING WELL (DECOMMISSIONED)
NAPL RECOVERY WELL (DECOMMISSIONED)
NOTES:
1. BASE MAP PROVIDED IN ELECTRONIC FORMAT FROM NYSEG, DRAWING TITLE "MONITORING WELL LOCATIONS ONEONTA FORMER MGP SITE AND SURROUNDING AREA, OTSEGO COUNTY, NEW YORK, AT A SCALE OF 1"=60', DATED 2/18/02.
2. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (µg/L).
3. PAH – POLYCYCLIC AROMATIC HYDROCARBONS.
4. BDL – BELOW DETECTION LIMITS.
5. J – QUALIFIER INDICATES ESTIMATED VALUE.
6. D – COMPOUND QUANTITATED USING A SECONDARY DILUTION.
7. NS – NO SAMPLE COLLECTED.
8. SHADING INDICATES THAT ONE OR MORE PAH CONSTITUENTS EXCEED THE NYSDEC TOGS 1.1.1 WATER QUALITY STANDARD OR GUIDANCE VALUE.
0
50'
100'
GRAPHIC SCALE
NYSEG
ONEONTA FORMER MGP SITE
ONEONTA, NEW YORK
PERIODIC REVIEW REPORT
TOTAL PAH CONCENTRATIONS IN GROUNDWATER
ARCADIS
FIGURE
6
XREFS:
X-Base Map
Title Block, PRB
C:\Users\cmckeough\DC\ACCDocs\Arcadis ACC US\AUS-9999999-NYSEG_FMR MGP SITE_ONEONTA_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\PRR_2024_Fig6-Total PAH.dwg LAYOUT: 6 SAVED: 1/8/2025 3:52 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: ---
PLOTTED: 1/8/2025 3:53 PM BY: MCKEOUGH, CAROL

Appendix A

Site Inspection Photograph Log



LEGEND:

- HIGH MAST LIGHT POLE
- PERMEABLE WALL LOCATION (APPROXIMATE)
- FORMER MGP EXCAVATION LIMITS (PROVIDED BY NYSEG)
- NAPL RECOVERY WELL
- STAFF GAUGE
- MONITORING WELL
- SOIL BORING
- PIEZOMETER
- MONITORING WELL (DECOMMISSIONED)
- NAPL RECOVERY (DECOMMISSIONED)
- 1 PHOTOGRAPH LOCATION AND DIRECTION

NOTES:

1. BASE MAP PROVIDED IN ELECTRONIC FORMAT FROM NYSEG, DRAWING TITLE "MONITORING WELL LOCATIONS ONEONTA FORMER MGP SITE AND SURROUNDING AREA, OTSEGO COUNTY, NEW YORK, AT A SCALE OF 1"=60', DATED 2/18/02.
2. DAMASCHKE FIELD RENOVATIONS BASED DRAWING TITLE "AIR MONITORING LOCATIONS ONEONTA MGP" FROM NYSEG DATED 6/27/07 AND AERIAL PHOTOGRAPHS.

0 50' 100'
GRAPHIC SCALE

NYSEG
ONEONTA FORMER MGP SITE
ONEONTA, NEW YORK
PERIODIC REVIEW REPORT

PHOTOGRAPH ORIENTATION

ARCADIS

FIGURE
A-1

APPENDIX A – SITE INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 1

Description:
Photograph shows soil and asphalt roadway cover for the former Eastern Plant Area (EPA) is in good condition; no repair needed.

Direction: NNW

Photograph taken by:
KCF

Date: 5/21/2024

Photograph: 2

Description:
Photograph shows asphalt roadway and parking lot cover for the EPA is in good condition; no repair needed.

Direction: NW

Photograph taken by:
KCF

Date: 5/21/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 3

Description:
Photograph shows soil cover for the EPA is in good condition; no repair needed.

Direction: W

Photograph taken by:
KCF

Date: 5/21/2024

Photograph: 4

Description:
Photograph shows roadway traversing the EPA is in good condition; no repair needed.

Direction: S

Photograph taken by:
KCF

Date: 5/21/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 5

Description:
Photograph shows asphalt walkway and riprap cover for the Mill Race Creek embankment is in good condition; no repair needed.

Direction: W

Photograph taken by:
KCF

Date: 5/21/2024

Photograph: 6

Description:
Photograph shows riprap cover for the Mill Race Creek embankment is in good condition; no repair needed.

Direction: W

Photograph taken by:
KCF

Date: 5/21/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 7

Description:
Photograph shows parking lot that covers the Western Plant Area (WPA) is in good condition; no repair needed.

Direction: SSE

Photograph taken by:
KCF

Date: 5/21/2024

Photograph: 8

Description:
Photograph shows continuation of the parking lot that covers the WPA is in good condition; no repair needed.

Direction: SSW

Photograph taken by:
KCF

Date: 5/21/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 9

Description:
Photograph shows continuation of the parking lot that covers the WPA is in good condition; no repair needed.

Direction: WSW

Photograph taken by:
KCF

Date: 5/21/2024

Photograph: 10

Description:
Photograph shows continuation of the parking lot/walkway that covers the WPA and riprap cover for the Mill Race Creek embankment is in good condition; no repair needed.

Direction: W

Photograph taken by:
KCF

Date: 5/21/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 11

Description:
Photograph shows riprap cover for the Mill Race Creek embankment is in good condition; no repair needed.

Direction: NE

Photograph taken by:
KCF

Date: 5/21/2024

Photograph: 12

Description:
Photograph shows riprap cover for the Mill Race Creek embankment and walking trail is in good condition; no repair needed.

Direction: SW

Photograph taken by:
KCF

Date: 5/21/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 13

Description:
Photograph shows concrete sidewalks and ballpark fence covering the WPA is in good condition; no repair needed.

Direction: S

Photograph taken by:
KCF

Date: 5/21/2024

Photograph: 14

Description:
Photograph shows soil and parking lot cover over the WPA is in good condition; no repair needed.

Direction: E

Photograph taken by:
KCF

Date: 5/21/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 15

Description:
Photograph shows soil and asphalt cover over the WPA adjacent to the permeable wall and behind the bleachers is in good condition; no repair needed.

Direction: E

Photograph taken by:
BKW

Date: 5/21/2024

Photograph: 16

Description:
Photograph shows paved area behind bleachers and covering the permeable wall is in good condition; no repair needed.

Direction: E

Photograph taken by:
BKW

Date: 5/21/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 17

Description:
Photograph shows continuation of paved area behind bleachers and covering the permeable wall is in good condition; no repair needed.

Direction: E

Photograph taken by:
BKW

Date: 5/21/2024

Photograph: 18

Description:
Photograph shows concrete and soil cover over the southeastern corner of the WPA and the permeable wall is in good condition; no repair needed.

Direction: NE

Photograph taken by:
BKW

Date: 5/21/2024

Appendix B

Sorbent Socks Photograph Log

APPENDIX B – SORBENT SOCKS PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 1

Description:
Photograph shows the outside of the sorbent sock is fully coated in dense non-aqueous phase liquid (DNAPL) only at one end. The remainder of the sorbent sock outside is partially coated.

Location:
AW-12

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 2

Description:
Photograph shows the inside of the sorbent sock is 100 percent saturated with DNAPL.

Location:
AW-12

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 3

Description:
Photograph shows the outside of the sorbent sock is fully coated in DNAPL only at one end. The remainder of the sorbent sock outside is partially coated.

Location:
AW-12

Photograph taken by:
AJS

Date: 11/18/2024

Photograph: 4

Description:
Photograph shows the inside of the sorbent sock is 100 percent saturated with DNAPL.

Location:
AW-12

Photograph taken by:
AJS

Date: 11/18/2024

Appendix C

Laboratory Data Packages

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. John J Ruspantini
New York State Electric & Gas
18 Link Drive
Binghamton, New York 13902

Generated 6/5/2024 12:36:52 PM

JOB DESCRIPTION

NYSEG - Oneonta Former MGP

JOB NUMBER

480-220181-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

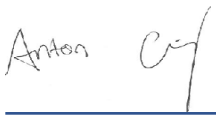
Eurofins Buffalo

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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6/5/2024 12:36:52 PM

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

Table of Contents

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD 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.

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: 480-220181-1 Eurofins Buffalo

Job Narrative
480-220181-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 5/23/2024 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9°C and 3.8°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-8806S (480-220181-4) and PTMW-0202 (480-220181-10). 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-0201 (480-220181-1). Elevated reporting limits (RLs) are provided.

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 sample was diluted to bring the concentration of target analytes within the calibration range: MW-0201 (480-220181-1). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: New York State Electric & Gas

Job ID: 480-220181-1

Client Sample ID: MW-0201 — Lab Sample ID: 480-220181-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	96		2.0	0.82	ug/L	2		8260C	Total/NA
Ethylbenzene	110		2.0	1.5	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	20		4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	55		2.0	1.5	ug/L	2		8260C	Total/NA
Toluene	3.3		2.0	1.0	ug/L	2		8260C	Total/NA
Xylenes, Total	75		4.0	1.3	ug/L	2		8260C	Total/NA
Naphthalene	180		25	3.8	ug/L	5		8270D	Total/NA

Client Sample ID: MW-0203 — Lab Sample ID: 480-220181-2

No Detections.

Client Sample ID: MW-8604S — Lab Sample ID: 480-220181-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	1.9	J	5.0	0.41	ug/L	1		8270D	Total/NA

Client Sample ID: MW-8806S — Lab Sample ID: 480-220181-4

No Detections.

Client Sample ID: MW-9111S — Lab Sample ID: 480-220181-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	1.9	J	5.0	0.41	ug/L	1		8270D	Total/NA

Client Sample ID: MW-9112D — Lab Sample ID: 480-220181-6

No Detections.

Client Sample ID: MW-9112S — Lab Sample ID: 480-220181-7

No Detections.

Client Sample ID: MW-9114S — Lab Sample ID: 480-220181-8

No Detections.

Client Sample ID: MW-9502S — Lab Sample ID: 480-220181-9

No Detections.

Client Sample ID: PTMW-0202 — Lab Sample ID: 480-220181-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.3		4.0	1.6	ug/L	4		8260C	Total/NA
Acenaphthene	26	F2	5.0	0.41	ug/L	1		8270D	Total/NA
Anthracene	0.28	J F2	5.0	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	0.51	J F2	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	4.0	J F2	5.0	0.36	ug/L	1		8270D	Total/NA
Pyrene	0.56	J F2	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-220181-11

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: New York State Electric & Gas

Job ID: 480-220181-1

Client Sample ID: DUP-052124

Lab Sample ID: 480-220181-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.5		1.0	0.41	ug/L	1		8260C	Total/NA
Acenaphthene	23		5.0	0.41	ug/L	1		8270D	Total/NA
Fluoranthene	0.48	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	3.6	J	5.0	0.36	ug/L	1		8270D	Total/NA
Pyrene	0.50	J	5.0	0.34	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-0201

Lab Sample ID: 480-220181-1

Date Collected: 05/21/24 15:20

Matrix: WG

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**96**		2.0	0.82	ug/L			05/26/24 14:28	2
Ethylbenzene	**110**		2.0	1.5	ug/L			05/26/24 14:28	2
m-Xylene & p-Xylene	**20**		4.0	1.3	ug/L			05/26/24 14:28	2
o-Xylene	**55**		2.0	1.5	ug/L			05/26/24 14:28	2
Toluene	**3.3**		2.0	1.0	ug/L			05/26/24 14:28	2
Xylenes, Total	**75**		4.0	1.3	ug/L			05/26/24 14:28	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/26/24 14:28*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/26/24 14:28*	*2*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/26/24 14:28*	*2*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/26/24 14:28*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		25	2.1	ug/L		05/28/24 09:38	05/29/24 23:37	5
Acenaphthylene	ND		25	1.9	ug/L		05/28/24 09:38	05/29/24 23:37	5
Anthracene	ND		25	1.4	ug/L		05/28/24 09:38	05/29/24 23:37	5
Benzo[a]anthracene	ND		25	1.8	ug/L		05/28/24 09:38	05/29/24 23:37	5
Benzo[a]pyrene	ND		25	2.4	ug/L		05/28/24 09:38	05/29/24 23:37	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		05/28/24 09:38	05/29/24 23:37	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		05/28/24 09:38	05/29/24 23:37	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		05/28/24 09:38	05/29/24 23:37	5
Chrysene	ND		25	1.7	ug/L		05/28/24 09:38	05/29/24 23:37	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		05/28/24 09:38	05/29/24 23:37	5
Fluoranthene	ND		25	2.0	ug/L		05/28/24 09:38	05/29/24 23:37	5
Fluorene	ND		25	1.8	ug/L		05/28/24 09:38	05/29/24 23:37	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		05/28/24 09:38	05/29/24 23:37	5
Naphthalene	**180**		25	3.8	ug/L		05/28/24 09:38	05/29/24 23:37	5
Phenanthrene	ND		25	2.2	ug/L		05/28/24 09:38	05/29/24 23:37	5
Pyrene	ND		25	1.7	ug/L		05/28/24 09:38	05/29/24 23:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*05/28/24 09:38*	*05/29/24 23:37*	*5*
2-Fluorobiphenyl	*61*		*53 - 126*	*05/28/24 09:38*	*05/29/24 23:37*	*5*
p-Terphenyl-d14 (Surr)	*62*		*33 - 132*	*05/28/24 09:38*	*05/29/24 23:37*	*5*

Client Sample ID: MW-0203

Lab Sample ID: 480-220181-2

Date Collected: 05/21/24 11:15

Matrix: WG

Date Received: 05/23/24 09:15

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			05/25/24 16:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 16:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 16:43	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 16:43	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 16:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*05/25/24 16:43*	*1*

Client Sample ID: MW-0203

Lab Sample ID: 480-220181-2

Date Collected: 05/21/24 11:15

Matrix: WG

Date Received: 05/23/24 09:15

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/25/24 16:43*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/25/24 16:43*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/25/24 16:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 00:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 00:05	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 00:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 00:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 00:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 00:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 00:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 00:05	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 00:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 00:05	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 00:05	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 00:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 00:05	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 00:05	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 00:05	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*76*		*29 - 129*	*05/28/24 09:38*	*05/30/24 00:05*	*1*
2-Fluorobiphenyl	*80*		*53 - 126*	*05/28/24 09:38*	*05/30/24 00:05*	*1*
p-Terphenyl-d14 (Surr)	*89*		*33 - 132*	*05/28/24 09:38*	*05/30/24 00:05*	*1*

Client Sample ID: MW-8604S

Lab Sample ID: 480-220181-3

Date Collected: 05/21/24 09:50

Matrix: WG

Date Received: 05/23/24 09:15

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			05/25/24 17:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 17:05	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 17:05	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 17:05	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 17:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*05/25/24 17:05*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/25/24 17:05*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/25/24 17:05*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/25/24 17:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.9**	**J**	5.0	0.41	ug/L		05/28/24 09:38	05/30/24 00:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 00:33	1

Client Sample ID: MW-8604S

Lab Sample ID: 480-220181-3

Date Collected: 05/21/24 09:50

Matrix: WG

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 00:33	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 00:33	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 00:33	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 00:33	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 00:33	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 00:33	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 00:33	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 00:33	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 00:33	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 00:33	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 00:33	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 00:33	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 00:33	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*05/28/24 09:38*	*05/30/24 00:33*	*1*
2-Fluorobiphenyl	*55*		*53 - 126*	*05/28/24 09:38*	*05/30/24 00:33*	*1*
p-Terphenyl-d14 (Surr)	*55*		*33 - 132*	*05/28/24 09:38*	*05/30/24 00:33*	*1*

Client Sample ID: MW-8806S

Lab Sample ID: 480-220181-4

Date Collected: 05/21/24 08:35

Matrix: WG

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.0	1.6	ug/L			05/25/24 17:28	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/25/24 17:28	4
m-Xylene & p-Xylene	ND		8.0	2.6	ug/L			05/25/24 17:28	4
o-Xylene	ND		4.0	3.0	ug/L			05/25/24 17:28	4
Toluene	ND		4.0	2.0	ug/L			05/25/24 17:28	4
Xylenes, Total	ND		8.0	2.6	ug/L			05/25/24 17:28	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/25/24 17:28*	*4*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/25/24 17:28*	*4*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*05/25/24 17:28*	*4*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/25/24 17:28*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 17:02	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 17:02	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 17:02	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 17:02	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 17:02	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 17:02	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 17:02	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 17:02	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 17:02	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 17:02	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 17:02	1

Client Sample ID: MW-8806S

Lab Sample ID: 480-220181-4

Date Collected: 05/21/24 08:35

Matrix: WG

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 17:02	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 17:02	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 17:02	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 17:02	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*60*		*29 - 129*	*05/28/24 09:38*	*05/30/24 17:02*	*1*
2-Fluorobiphenyl	*64*		*53 - 126*	*05/28/24 09:38*	*05/30/24 17:02*	*1*
p-Terphenyl-d14 (Surr)	*64*		*33 - 132*	*05/28/24 09:38*	*05/30/24 17:02*	*1*

Client Sample ID: MW-9111S

Lab Sample ID: 480-220181-5

Date Collected: 05/21/24 14:25

Matrix: WG

Date Received: 05/23/24 09:15

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			05/25/24 17:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 17:51	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 17:51	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 17:51	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 17:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*05/25/24 17:51*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/25/24 17:51*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/25/24 17:51*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/25/24 17:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.9**	**J**	5.0	0.41	ug/L		05/28/24 09:38	05/30/24 01:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 01:30	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 01:30	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 01:30	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 01:30	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 01:30	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 01:30	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 01:30	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 01:30	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 01:30	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 01:30	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 01:30	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 01:30	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 01:30	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 01:30	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*59*		*29 - 129*	*05/28/24 09:38*	*05/30/24 01:30*	*1*
2-Fluorobiphenyl	*63*		*53 - 126*	*05/28/24 09:38*	*05/30/24 01:30*	*1*

Client Sample ID: MW-9111S
Lab Sample ID: 480-220181-5

Date Collected: 05/21/24 14:25
Matrix: WG
Date Received: 05/23/24 09:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	*48*		*33 - 132*	*05/28/24 09:38*	*05/30/24 01:30*	*1*

Client Sample ID: MW-9112D
Lab Sample ID: 480-220181-6

Date Collected: 05/21/24 12:15
Matrix: WG
Date Received: 05/23/24 09:15

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			05/25/24 18:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 18:13	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 18:13	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 18:13	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 18:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*05/25/24 18:13*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*05/25/24 18:13*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/25/24 18:13*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/25/24 18:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 01:58	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 01:58	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 01:58	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 01:58	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 01:58	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 01:58	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 01:58	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 01:58	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 01:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 01:58	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 01:58	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 01:58	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 01:58	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 01:58	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 01:58	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 01:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*05/28/24 09:38*	*05/30/24 01:58*	*1*
2-Fluorobiphenyl	*59*		*53 - 126*	*05/28/24 09:38*	*05/30/24 01:58*	*1*
p-Terphenyl-d14 (Surr)	*63*		*33 - 132*	*05/28/24 09:38*	*05/30/24 01:58*	*1*

Client Sample ID: MW-9112S
Lab Sample ID: 480-220181-7

Date Collected: 05/21/24 11:20
Matrix: WG
Date Received: 05/23/24 09:15

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			05/25/24 18:35	1

Client Sample ID: MW-9112S

Lab Sample ID: 480-220181-7

Date Collected: 05/21/24 11:20

Matrix: WG

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 18:35	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 18:35	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 18:35	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 18:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/25/24 18:35*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/25/24 18:35*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/25/24 18:35*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/25/24 18:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 02:26	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 02:26	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 02:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 02:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 02:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 02:26	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 02:26	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 02:26	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 02:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 02:26	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 02:26	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 02:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 02:26	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 02:26	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 02:26	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*51*		*29 - 129*	*05/28/24 09:38*	*05/30/24 02:26*	*1*
2-Fluorobiphenyl	*58*		*53 - 126*	*05/28/24 09:38*	*05/30/24 02:26*	*1*
p-Terphenyl-d14 (Surr)	*55*		*33 - 132*	*05/28/24 09:38*	*05/30/24 02:26*	*1*

Client Sample ID: MW-9114S

Lab Sample ID: 480-220181-8

Date Collected: 05/21/24 08:40

Matrix: WG

Date Received: 05/23/24 09:15

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			05/25/24 18:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 18:58	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 18:58	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 18:58	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 18:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/25/24 18:58*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/25/24 18:58*	*1*

Client Sample ID: MW-9114S

Lab Sample ID: 480-220181-8

Date Collected: 05/21/24 08:40

Matrix: WG

Date Received: 05/23/24 09:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/25/24 18:58*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/25/24 18:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 02:54	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 02:54	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 02:54	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 02:54	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 02:54	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 02:54	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 02:54	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 02:54	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 02:54	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 02:54	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 02:54	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 02:54	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 02:54	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 02:54	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 02:54	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*05/28/24 09:38*	*05/30/24 02:54*	*1*
2-Fluorobiphenyl	*56*		*53 - 126*	*05/28/24 09:38*	*05/30/24 02:54*	*1*
p-Terphenyl-d14 (Surr)	*55*		*33 - 132*	*05/28/24 09:38*	*05/30/24 02:54*	*1*

Client Sample ID: MW-9502S

Lab Sample ID: 480-220181-9

Date Collected: 05/21/24 10:05

Matrix: WG

Date Received: 05/23/24 09:15

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			05/25/24 19:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 19:21	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 19:21	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 19:21	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 19:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*05/25/24 19:21*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/25/24 19:21*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*05/25/24 19:21*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/25/24 19:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 03:22	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 03:22	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 03:22	1

Client Sample ID: MW-9502S

Lab Sample ID: 480-220181-9

Date Collected: 05/21/24 10:05

Matrix: WG

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 03:22	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 03:22	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 03:22	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 03:22	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 03:22	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 03:22	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 03:22	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 03:22	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 03:22	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 03:22	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 03:22	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 03:22	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*56*		*29 - 129*	*05/28/24 09:38*	*05/30/24 03:22*	*1*
2-Fluorobiphenyl	*61*		*53 - 126*	*05/28/24 09:38*	*05/30/24 03:22*	*1*
p-Terphenyl-d14 (Surr)	*60*		*33 - 132*	*05/28/24 09:38*	*05/30/24 03:22*	*1*

Client Sample ID: PTMW-0202

Lab Sample ID: 480-220181-10

Date Collected: 05/21/24 12:55

Matrix: WG

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**8.3**		4.0	1.6	ug/L			05/25/24 19:43	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/25/24 19:43	4
m-Xylene & p-Xylene	ND		8.0	2.6	ug/L			05/25/24 19:43	4
o-Xylene	ND		4.0	3.0	ug/L			05/25/24 19:43	4
Toluene	ND		4.0	2.0	ug/L			05/25/24 19:43	4
Xylenes, Total	ND		8.0	2.6	ug/L			05/25/24 19:43	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/25/24 19:43*	*4*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/25/24 19:43*	*4*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/25/24 19:43*	*4*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/25/24 19:43*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**26**	**F2**	5.0	0.41	ug/L		05/28/24 09:38	05/29/24 22:40	1
Acenaphthylene	ND	F2	5.0	0.38	ug/L		05/28/24 09:38	05/29/24 22:40	1
Anthracene	**0.28**	**J F2**	5.0	0.28	ug/L		05/28/24 09:38	05/29/24 22:40	1
Benzo[a]anthracene	ND	F2	5.0	0.36	ug/L		05/28/24 09:38	05/29/24 22:40	1
Benzo[a]pyrene	ND	F2	5.0	0.47	ug/L		05/28/24 09:38	05/29/24 22:40	1
Benzo[b]fluoranthene	ND	F2	5.0	0.34	ug/L		05/28/24 09:38	05/29/24 22:40	1
Benzo[g,h,i]perylene	ND	F2	5.0	0.35	ug/L		05/28/24 09:38	05/29/24 22:40	1
Benzo[k]fluoranthene	ND	F2	5.0	0.73	ug/L		05/28/24 09:38	05/29/24 22:40	1
Chrysene	ND	F2	5.0	0.33	ug/L		05/28/24 09:38	05/29/24 22:40	1
Dibenz(a,h)anthracene	ND	F2	5.0	0.42	ug/L		05/28/24 09:38	05/29/24 22:40	1
Fluoranthene	**0.51**	**J F2**	5.0	0.40	ug/L		05/28/24 09:38	05/29/24 22:40	1
Fluorene	**4.0**	**J F2**	5.0	0.36	ug/L		05/28/24 09:38	05/29/24 22:40	1

Client Sample ID: PTMW-0202 Lab Sample ID: 480-220181-10

Date Collected: 05/21/24 12:55 **Matrix: WG**

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND	F2	5.0	0.47	ug/L		05/28/24 09:38	05/29/24 22:40	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/29/24 22:40	1
Phenanthrene	ND	F2	5.0	0.44	ug/L		05/28/24 09:38	05/29/24 22:40	1
Pyrene	**0.56**	**J F2**	5.0	0.34	ug/L		05/28/24 09:38	05/29/24 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*56*		*29 - 129*	*05/28/24 09:38*	*05/29/24 22:40*	*1*
2-Fluorobiphenyl	*60*		*53 - 126*	*05/28/24 09:38*	*05/29/24 22:40*	*1*
p-Terphenyl-d14 (Surr)	*62*		*33 - 132*	*05/28/24 09:38*	*05/29/24 22:40*	*1*

Client Sample ID: TRIP BLANK Lab Sample ID: 480-220181-11

Date Collected: 05/21/24 00:00 **Matrix: WQ**

Date Received: 05/23/24 09:15

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			05/25/24 20:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 20:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 20:06	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 20:06	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 20:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/25/24 20:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*05/25/24 20:06*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*05/25/24 20:06*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/25/24 20:06*	*1*

Client Sample ID: DUP-052124 Lab Sample ID: 480-220181-12

Date Collected: 05/21/24 00:00 **Matrix: Water**

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7.5**		1.0	0.41	ug/L			05/25/24 20:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 20:28	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 20:28	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 20:28	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 20:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/25/24 20:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/25/24 20:28*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*05/25/24 20:28*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/25/24 20:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**23**		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 03:50	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 03:50	1

Client: New York State Electric & Gas | Job ID: 480-220181-1

Client Sample ID: DUP-052124 | **Lab Sample ID: 480-220181-12**

Date Collected: 05/21/24 00:00 | **Matrix: Water**

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 03:50	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 03:50	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 03:50	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 03:50	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 03:50	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 03:50	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 03:50	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 03:50	1
Fluoranthene	**0.48**	**J**	5.0	0.40	ug/L		05/28/24 09:38	05/30/24 03:50	1
Fluorene	**3.6**	**J**	5.0	0.36	ug/L		05/28/24 09:38	05/30/24 03:50	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 03:50	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 03:50	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 03:50	1
Pyrene	**0.50**	**J**	5.0	0.34	ug/L		05/28/24 09:38	05/30/24 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*05/28/24 09:38*	*05/30/24 03:50*	*1*
2-Fluorobiphenyl	*58*		*53 - 126*	*05/28/24 09:38*	*05/30/24 03:50*	*1*
p-Terphenyl-d14 (Surr)	*54*		*33 - 132*	*05/28/24 09:38*	*05/30/24 03:50*	*1*

Surrogate Summary

Client: New York State Electric & Gas

Job ID: 480-220181-1

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)
480-220181-12	DUP-052124	101	99	105	90
LCS 480-713439/6	Lab Control Sample	100	96	99	93
LCS 480-713472/6	Lab Control Sample	103	101	104	94
MB 480-713439/8	Method Blank	100	99	101	92
MB 480-713472/8	Method Blank	101	100	102	90

Surrogate Legend

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

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

Matrix: WG

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)
480-220181-1	MW-0201	102	100	103	94
480-220181-2	MW-0203	98	99	100	95
480-220181-3	MW-8604S	97	102	103	93
480-220181-4	MW-8806S	100	100	105	92
480-220181-5	MW-9111S	98	102	101	94
480-220181-6	MW-9112D	96	106	100	93
480-220181-7	MW-9112S	101	97	103	93
480-220181-8	MW-9114S	104	103	103	93
480-220181-9	MW-9502S	99	102	95	93
480-220181-10	PTMW-0202	102	99	100	92
480-220181-10 MS	PTMW-0202 MS	99	96	93	94
480-220181-10 MSD	PTMW-0202 MSD	100	100	100	94

Surrogate Legend

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

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

Matrix: WQ

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)
480-220181-11	TRIP BLANK	102	101	105	91

Surrogate Legend

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

Surrogate Summary

Client: New York State Electric & Gas | Job ID: 480-220181-1

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

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPHd14
Lab Sample ID	Client Sample ID	(29-129)	(53-126)	(33-132)
480-220181-12	DUP-052124	53	58	54
LCS 480-713552/2-A	Lab Control Sample	66	67	76
MB 480-713552/1-A	Method Blank	55	60	78

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl

TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: WG | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPHd14
Lab Sample ID	Client Sample ID	(29-129)	(53-126)	(33-132)
480-220181-1	MW-0201	53	61	62
480-220181-2	MW-0203	76	80	89
480-220181-3	MW-8604S	53	55	55
480-220181-4	MW-8806S	60	64	64
480-220181-5	MW-9111S	59	63	48
480-220181-6	MW-9112D	53	59	63
480-220181-7	MW-9112S	51	58	55
480-220181-8	MW-9114S	53	56	55
480-220181-9	MW-9502S	56	61	60
480-220181-10	PTMW-0202	56	60	62
480-220181-10 MS	PTMW-0202 MS	74	79	84
480-220181-10 MSD	PTMW-0202 MSD	62	62	63

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl

TPHd14 = p-Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 480-713439/8
Matrix: Water
Analysis Batch: 713439

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			05/25/24 15:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 15:14	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 15:14	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 15:14	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 15:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/25/24 15:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/25/24 15:14*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/25/24 15:14*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/25/24 15:14*	*1*

Lab Sample ID: LCS 480-713439/6
Matrix: Water
Analysis Batch: 713439

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	25.6		ug/L		102	71 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
m-Xylene & p-Xylene	25.0	25.5		ug/L		102	76 - 122
o-Xylene	25.0	24.3		ug/L		97	76 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
Xylenes, Total	50.0	49.8		ug/L		100	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: 480-220181-10 MS
Matrix: WG
Analysis Batch: 713439

Client Sample ID: PTMW-0202 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	8.3		100	111		ug/L		103	71 - 124
Ethylbenzene	ND		100	103		ug/L		103	77 - 123
m-Xylene & p-Xylene	ND		100	103		ug/L		103	76 - 122
o-Xylene	ND		100	102		ug/L		102	76 - 122
Toluene	ND		100	101		ug/L		101	80 - 122
Xylenes, Total	ND		200	205		ug/L		103	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*
Toluene-d8 (Surr)	*94*		*80 - 120*

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

Lab Sample ID: 480-220181-10 MSD **Client Sample ID: PTMW-0202 MSD**
Matrix: WG **Prep Type: Total/NA**
Analysis Batch: 713439

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	8.3		100	111		ug/L		103	71 - 124	0	13
Ethylbenzene	ND		100	103		ug/L		103	77 - 123	0	15
m-Xylene & p-Xylene	ND		100	104		ug/L		104	76 - 122	1	16
o-Xylene	ND		100	100		ug/L		100	76 - 122	2	16
Toluene	ND		100	101		ug/L		101	80 - 122	0	15
Xylenes, Total	ND		200	204		ug/L		102	76 - 122	0	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: MB 480-713472/8 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 713472

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/26/24 14:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/26/24 14:00	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/26/24 14:00	1
o-Xylene	ND		1.0	0.76	ug/L			05/26/24 14:00	1
Toluene	ND		1.0	0.51	ug/L			05/26/24 14:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/26/24 14:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/26/24 14:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/26/24 14:00*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/26/24 14:00*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/26/24 14:00*	*1*

Lab Sample ID: LCS 480-713472/6 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 713472

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	25.6		ug/L		102	71 - 124		
Ethylbenzene			25.0	24.1		ug/L		97	77 - 123		
m-Xylene & p-Xylene			25.0	24.5		ug/L		98	76 - 122		
o-Xylene			25.0	24.0		ug/L		96	76 - 122		
Toluene			25.0	24.7		ug/L		99	80 - 122		
Xylenes, Total			50.0	48.5		ug/L		97	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*94*		*80 - 120*

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

Lab Sample ID: MB 480-713552/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 713685 **Prep Batch: 713552**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/29/24 20:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/29/24 20:48	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/29/24 20:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/29/24 20:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/29/24 20:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/29/24 20:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/29/24 20:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/29/24 20:48	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/29/24 20:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/29/24 20:48	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/29/24 20:48	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/29/24 20:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/29/24 20:48	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/29/24 20:48	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/29/24 20:48	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/29/24 20:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*55*		*29 - 129*	*05/28/24 09:38*	*05/29/24 20:48*	*1*
2-Fluorobiphenyl	*60*		*53 - 126*	*05/28/24 09:38*	*05/29/24 20:48*	*1*
p-Terphenyl-d14 (Surr)	*78*		*33 - 132*	*05/28/24 09:38*	*05/29/24 20:48*	*1*

Lab Sample ID: LCS 480-713552/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 713685 **Prep Batch: 713552**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	22.9		ug/L		72	60 - 120
Acenaphthylene	32.0	23.1		ug/L		72	63 - 120
Anthracene	32.0	26.6		ug/L		83	67 - 120
Benzo[a]anthracene	32.0	25.2		ug/L		79	70 - 121
Benzo[a]pyrene	32.0	25.6		ug/L		80	60 - 123
Benzo[b]fluoranthene	32.0	25.4		ug/L		79	66 - 126
Benzo[g,h,i]perylene	32.0	27.4		ug/L		86	66 - 150
Benzo[k]fluoranthene	32.0	26.7		ug/L		83	65 - 124
Chrysene	32.0	25.7		ug/L		80	69 - 120
Dibenz(a,h)anthracene	32.0	27.0		ug/L		84	65 - 135
Fluoranthene	32.0	26.4		ug/L		82	69 - 126
Fluorene	32.0	24.4		ug/L		76	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	26.9		ug/L		84	69 - 146
Naphthalene	32.0	21.1		ug/L		66	57 - 120
Phenanthrene	32.0	24.9		ug/L		78	68 - 120
Pyrene	32.0	26.1		ug/L		82	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*66*		*29 - 129*
2-Fluorobiphenyl	*67*		*53 - 126*
p-Terphenyl-d14 (Surr)	*76*		*33 - 132*

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

Lab Sample ID: 480-220181-10 MS **Client Sample ID: PTMW-0202 MS**
Matrix: WG **Prep Type: Total/NA**
Analysis Batch: 713685 **Prep Batch: 713552**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	26	F2	32.0	58.2		ug/L		102	48 - 120
Acenaphthylene	ND	F2	32.0	27.9		ug/L		87	63 - 120
Anthracene	0.28	J F2	32.0	31.7		ug/L		99	65 - 122
Benzo[a]anthracene	ND	F2	32.0	29.4		ug/L		92	43 - 124
Benzo[a]pyrene	ND	F2	32.0	28.7		ug/L		90	23 - 125
Benzo[b]fluoranthene	ND	F2	32.0	29.0		ug/L		91	27 - 127
Benzo[g,h,i]perylene	ND	F2	32.0	29.5		ug/L		92	16 - 147
Benzo[k]fluoranthene	ND	F2	32.0	28.1		ug/L		88	20 - 124
Chrysene	ND	F2	32.0	29.0		ug/L		91	44 - 122
Dibenz(a,h)anthracene	ND	F2	32.0	28.8		ug/L		90	16 - 139
Fluoranthene	0.51	J F2	32.0	31.7		ug/L		98	63 - 129
Fluorene	4.0	J F2	32.0	36.1		ug/L		100	62 - 120
Indeno[1,2,3-cd]pyrene	ND	F2	32.0	29.1		ug/L		91	16 - 140
Naphthalene	ND		32.0	23.7		ug/L		74	45 - 120
Phenanthrene	ND	F2	32.0	30.3		ug/L		95	65 - 122
Pyrene	0.56	J F2	32.0	32.0		ug/L		98	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*74*		*29 - 129*
2-Fluorobiphenyl	*79*		*53 - 126*
p-Terphenyl-d14 (Surr)	*84*		*33 - 132*

Lab Sample ID: 480-220181-10 MSD **Client Sample ID: PTMW-0202 MSD**
Matrix: WG **Prep Type: Total/NA**
Analysis Batch: 713685 **Prep Batch: 713552**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	26	F2	32.0	44.7	F2	ug/L		60	48 - 120	26	24
Acenaphthylene	ND	F2	32.0	21.8	F2	ug/L		68	63 - 120	25	18
Anthracene	0.28	J F2	32.0	24.0	F2	ug/L		75	65 - 122	28	15
Benzo[a]anthracene	ND	F2	32.0	23.2	F2	ug/L		72	43 - 124	24	15
Benzo[a]pyrene	ND	F2	32.0	21.9	F2	ug/L		69	23 - 125	27	15
Benzo[b]fluoranthene	ND	F2	32.0	21.5	F2	ug/L		67	27 - 127	30	15
Benzo[g,h,i]perylene	ND	F2	32.0	22.3	F2	ug/L		70	16 - 147	28	15
Benzo[k]fluoranthene	ND	F2	32.0	22.4	F2	ug/L		70	20 - 124	23	22
Chrysene	ND	F2	32.0	23.4	F2	ug/L		73	44 - 122	21	15
Dibenz(a,h)anthracene	ND	F2	32.0	22.1	F2	ug/L		69	16 - 139	26	15
Fluoranthene	0.51	J F2	32.0	25.2	F2	ug/L		77	63 - 129	23	15
Fluorene	4.0	J F2	32.0	27.6	F2	ug/L		74	62 - 120	27	15
Indeno[1,2,3-cd]pyrene	ND	F2	32.0	22.0	F2	ug/L		69	16 - 140	28	15
Naphthalene	ND		32.0	19.9		ug/L		62	45 - 120	18	29
Phenanthrene	ND	F2	32.0	23.2	F2	ug/L		73	65 - 122	26	15
Pyrene	0.56	J F2	32.0	25.4	F2	ug/L		78	58 - 128	23	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*62*		*29 - 129*
2-Fluorobiphenyl	*62*		*53 - 126*
p-Terphenyl-d14 (Surr)	*63*		*33 - 132*

GC/MS VOA

Analysis Batch: 713439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220181-2	MW-0203	Total/NA	WG	8260C	
480-220181-3	MW-8604S	Total/NA	WG	8260C	
480-220181-4	MW-8806S	Total/NA	WG	8260C	
480-220181-5	MW-9111S	Total/NA	WG	8260C	
480-220181-6	MW-9112D	Total/NA	WG	8260C	
480-220181-7	MW-9112S	Total/NA	WG	8260C	
480-220181-8	MW-9114S	Total/NA	WG	8260C	
480-220181-9	MW-9502S	Total/NA	WG	8260C	
480-220181-10	PTMW-0202	Total/NA	WG	8260C	
480-220181-11	TRIP BLANK	Total/NA	WQ	8260C	
480-220181-12	DUP-052124	Total/NA	Water	8260C	
MB 480-713439/8	Method Blank	Total/NA	Water	8260C	
LCS 480-713439/6	Lab Control Sample	Total/NA	Water	8260C	
480-220181-10 MS	PTMW-0202 MS	Total/NA	WG	8260C	
480-220181-10 MSD	PTMW-0202 MSD	Total/NA	WG	8260C	

Analysis Batch: 713472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220181-1	MW-0201	Total/NA	WG	8260C	
MB 480-713472/8	Method Blank	Total/NA	Water	8260C	
LCS 480-713472/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 713552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220181-1	MW-0201	Total/NA	WG	3510C	
480-220181-2	MW-0203	Total/NA	WG	3510C	
480-220181-3	MW-8604S	Total/NA	WG	3510C	
480-220181-4	MW-8806S	Total/NA	WG	3510C	
480-220181-5	MW-9111S	Total/NA	WG	3510C	
480-220181-6	MW-9112D	Total/NA	WG	3510C	
480-220181-7	MW-9112S	Total/NA	WG	3510C	
480-220181-8	MW-9114S	Total/NA	WG	3510C	
480-220181-9	MW-9502S	Total/NA	WG	3510C	
480-220181-10	PTMW-0202	Total/NA	WG	3510C	
480-220181-12	DUP-052124	Total/NA	Water	3510C	
MB 480-713552/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-713552/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-220181-10 MS	PTMW-0202 MS	Total/NA	WG	3510C	
480-220181-10 MSD	PTMW-0202 MSD	Total/NA	WG	3510C	

Analysis Batch: 713685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220181-1	MW-0201	Total/NA	WG	8270D	713552
480-220181-2	MW-0203	Total/NA	WG	8270D	713552
480-220181-3	MW-8604S	Total/NA	WG	8270D	713552
480-220181-5	MW-9111S	Total/NA	WG	8270D	713552
480-220181-6	MW-9112D	Total/NA	WG	8270D	713552
480-220181-7	MW-9112S	Total/NA	WG	8270D	713552
480-220181-8	MW-9114S	Total/NA	WG	8270D	713552
480-220181-9	MW-9502S	Total/NA	WG	8270D	713552

GC/MS Semi VOA (Continued)

Analysis Batch: 713685 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220181-10	PTMW-0202	Total/NA	WG	8270D	713552
480-220181-12	DUP-052124	Total/NA	Water	8270D	713552
MB 480-713552/1-A	Method Blank	Total/NA	Water	8270D	713552
LCS 480-713552/2-A	Lab Control Sample	Total/NA	Water	8270D	713552
480-220181-10 MS	PTMW-0202 MS	Total/NA	WG	8270D	713552
480-220181-10 MSD	PTMW-0202 MSD	Total/NA	WG	8270D	713552

Analysis Batch: 713689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-220181-4	MW-8806S	Total/NA	WG	8270D	713552

Lab Chronicle

Client Sample ID: MW-0201
Lab Sample ID: 480-220181-1
Date Collected: 05/21/24 15:20
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	713472	CC	EET BUF	05/26/24 14:28
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		5	713685	JMM	EET BUF	05/29/24 23:37

Client Sample ID: MW-0203
Lab Sample ID: 480-220181-2
Date Collected: 05/21/24 11:15
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	713439	AXK	EET BUF	05/25/24 16:43
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		1	713685	JMM	EET BUF	05/30/24 00:05

Client Sample ID: MW-8604S
Lab Sample ID: 480-220181-3
Date Collected: 05/21/24 09:50
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	713439	AXK	EET BUF	05/25/24 17:05
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		1	713685	JMM	EET BUF	05/30/24 00:33

Client Sample ID: MW-8806S
Lab Sample ID: 480-220181-4
Date Collected: 05/21/24 08:35
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	713439	AXK	EET BUF	05/25/24 17:28
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		1	713689	JMM	EET BUF	05/30/24 17:02

Client Sample ID: MW-9111S
Lab Sample ID: 480-220181-5
Date Collected: 05/21/24 14:25
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	713439	AXK	EET BUF	05/25/24 17:51
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		1	713685	JMM	EET BUF	05/30/24 01:30

Client Sample ID: MW-9112D
Lab Sample ID: 480-220181-6
Date Collected: 05/21/24 12:15
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	713439	AXK	EET BUF	05/25/24 18:13

Lab Chronicle

Client Sample ID: MW-9112D
Lab Sample ID: 480-220181-6
Date Collected: 05/21/24 12:15
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		1	713685	JMM	EET BUF	05/30/24 01:58

Client Sample ID: MW-9112S
Lab Sample ID: 480-220181-7
Date Collected: 05/21/24 11:20
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	713439	AXK	EET BUF	05/25/24 18:35
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		1	713685	JMM	EET BUF	05/30/24 02:26

Client Sample ID: MW-9114S
Lab Sample ID: 480-220181-8
Date Collected: 05/21/24 08:40
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	713439	AXK	EET BUF	05/25/24 18:58
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		1	713685	JMM	EET BUF	05/30/24 02:54

Client Sample ID: MW-9502S
Lab Sample ID: 480-220181-9
Date Collected: 05/21/24 10:05
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	713439	AXK	EET BUF	05/25/24 19:21
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		1	713685	JMM	EET BUF	05/30/24 03:22

Client Sample ID: PTMW-0202
Lab Sample ID: 480-220181-10
Date Collected: 05/21/24 12:55
Matrix: WG
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	713439	AXK	EET BUF	05/25/24 19:43
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		1	713685	JMM	EET BUF	05/29/24 22:40

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-220181-11
Date Collected: 05/21/24 00:00
Matrix: WQ
Date Received: 05/23/24 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	713439	AXK	EET BUF	05/25/24 20:06

Lab Chronicle

Client Sample ID: DUP-052124
Date Collected: 05/21/24 00:00
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	713439	AXK	EET BUF	05/25/24 20:28
Total/NA	Prep	3510C			713552	JMP	EET BUF	05/28/24 09:38
Total/NA	Analysis	8270D		1	713685	JMM	EET BUF	05/30/24 03:50

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State Electric & Gas

Job ID: 480-220181-1

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	06-02-24

Method Summary

Client: New York State Electric & Gas

Job ID: 480-220181-1

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: New York State Electric & Gas
Project/Site:

Job ID: 480-220181-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-220181-1	MW-0201	WG	05/21/24 15:20	05/23/24 09:15
480-220181-2	MW-0203	WG	05/21/24 11:15	05/23/24 09:15
480-220181-3	MW-8604S	WG	05/21/24 09:50	05/23/24 09:15
480-220181-4	MW-8806S	WG	05/21/24 08:35	05/23/24 09:15
480-220181-5	MW-9111S	WG	05/21/24 14:25	05/23/24 09:15
480-220181-6	MW-9112D	WG	05/21/24 12:15	05/23/24 09:15
480-220181-7	MW-9112S	WG	05/21/24 11:20	05/23/24 09:15
480-220181-8	MW-9114S	WG	05/21/24 08:40	05/23/24 09:15
480-220181-9	MW-9502S	WG	05/21/24 10:05	05/23/24 09:15
480-220181-10	PTMW-0202	WG	05/21/24 12:55	05/23/24 09:15
480-220181-11	TRIP BLANK	WQ	05/21/24 00:00	05/23/24 09:15
480-220181-12	DUP-052124	Water	05/21/24 00:00	05/23/24 09:15

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

Chain of Custody Record

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Client Information	Sampler: Kaitlyn Fleming & Bailey Ludlow-Williams	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-196517-40738.1
Client Contact: Mr. Nicholas Beyrle	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 100 Chestnut Street Suite 1020	Due Date Requested:			
City: Rochester	TAT Requested (days): Standard			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4506125702			
Email: nicholas.beyrle@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

Analysis Requested

480-220181 Chain of Custody

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 - PAHs	8260C - BTEX	Total Number of cont.	Special Instructions/Note:
Preservation Code:							N	A		
MW-8604S	5/21/24	0950	G	Water	N	N	X	X	5	
MW-9114S	5/21/24	0840	G	Water	N	N	X	X	5	
MW-8806S	5/21/24	0835	G	Water	N	N	X	X	5	
MW-0201	5/21/24	1520	G	Water	N	N	X	X	5	
MW-9111S	5/21/24	1425	G	Water	N	N	X	X	5	
MW-0203	5/21/24	1115	G	Water	N	N	X	X	5	
MW-9112S	5/21/24	1120	G	Water	N	N	X	X	5	
MW-9112D	5/21/24	1215	G	Water	N	N	X	X	5	
MW-9502S	5/21/24	1005	G	Water	N	N	X	X	5	
PTMW-0202	5/21/24	1255	G	Water	N	Y	X	X	15	ms/msd
[redacted] Dup-052124	5/21/24	—	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: ANA	Date/Time: 5/22/2024 1505	Company: ANA	Received by:	Date/Time: 5/22/24 1505	Company: EET
Relinquished by:	Date/Time: 5/22/24 1545	Company: EET	Received by:	Date/Time: 5/23/24 915	Company: TA
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: 2.1 3.8 # ITH

Ver: 06/08/2021

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: Katlyn Fleming & Bailey Kudlawilliams	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-196517-40738.2
Client Contact: Mr. Nicholas Beyrle	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 100 Chestnut Street Suite 1020	Due Date Requested:			
City: Rochester	TAT Requested (days): Standard			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4506125702			
Email: nicholas.beyrle@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	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 - PAHs	8260C - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	A	X	
				Water						BKW
				Water						BKW
				Water						BKW
TRIP BLANK	—	—	—	Water	N	N		X	1	

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:	Date/Time:	Company	Received by:	Date/Time:	Company
ANA	5/22 2024 1505	ANA		5/22/24 1505	EET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	5/22/24 1545	EET		5/23/24 915	TA
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: 06/08/2021

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-220181-1

Login Number: 220181
List Number: 1
Creator: Stopa, Erik S

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	
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
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. John J Ruspantini
New York State Electric & Gas
18 Link Drive
Binghamton, New York 13902

Generated 11/26/2024 2:34:00 PM

JOB DESCRIPTION

NYSEG - Oneonta Former MGP
NYSEG - Oneonta Former MGP

JOB NUMBER

480-225636-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

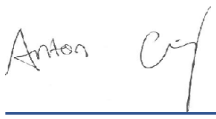
See page two for job notes and contact information.

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

Table of Contents

Definitions/Glossary

Client: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
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
E	Result exceeded calibration range.
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: 480-225636-1 — Eurofins Buffalo

Job Narrative
480-225636-1

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 11/20/2024 5:30 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 2.0°C, 2.1°C and 2.4°C.

GC/MS VOA
Method 8260C: The following sample was diluted due to the abundance of non-target analytes: MW-0201 (480-225636-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PTMW-0202 (480-225636-2), PTMW-0202 (480-225636-2[MS]), PTMW-0202 (480-225636-2[MSD]) and DUP-111924 (480-225636-8). Elevated reporting limits (RLs) are provided.

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 sample was diluted to bring the concentration of target analytes within the calibration range: MW-0201 (480-225636-4). Elevated reporting limits (RLs) are provided.

Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: PTMW-0202 (480-225636-2), PTMW-0202 (480-225636-2[MS]), PTMW-0202 (480-225636-2[MSD]) and DUP-111924 (480-225636-8). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

Client Sample ID: MW-8604S — Lab Sample ID: 480-225636-1

No Detections.

Client Sample ID: PTMW-0202 — Lab Sample ID: 480-225636-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	390	F1	5.0	2.1	ug/L	5		8260C	Total/NA
o-Xylene	5.1		5.0	3.8	ug/L	5		8260C	Total/NA
Xylenes, Total	5.1	J	10	3.3	ug/L	5		8260C	Total/NA
Acenaphthene	66	E	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.56	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	1.2	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	0.95	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	17		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	8.2		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	3.1	J	5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	0.94	J	5.0	0.34	ug/L	1		8270D	Total/NA
Acenaphthene - DL	63		25	2.1	ug/L	5		8270D	Total/NA
Anthracene - DL	1.4	J	25	1.4	ug/L	5		8270D	Total/NA
Fluorene - DL	15	J	25	1.8	ug/L	5		8270D	Total/NA
Naphthalene - DL	8.3	J	25	3.8	ug/L	5		8270D	Total/NA
Phenanthrene - DL	2.9	J	25	2.2	ug/L	5		8270D	Total/NA

Client Sample ID: MW-8806S — Lab Sample ID: 480-225636-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.43	J	1.0	0.41	ug/L	1		8260C	Total/NA

Client Sample ID: MW-0201 — Lab Sample ID: 480-225636-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	36		2.0	0.82	ug/L	2		8260C	Total/NA
Ethylbenzene	20		2.0	1.5	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	3.1	J	4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	25		2.0	1.5	ug/L	2		8260C	Total/NA
Toluene	1.5	J	2.0	1.0	ug/L	2		8260C	Total/NA
Xylenes, Total	28		4.0	1.3	ug/L	2		8260C	Total/NA
Naphthalene	140		25	3.8	ug/L	5		8270D	Total/NA

Client Sample ID: MW-9111S — Lab Sample ID: 480-225636-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	3.5	J	5.0	0.41	ug/L	1		8270D	Total/NA

Client Sample ID: MW-9112S — Lab Sample ID: 480-225636-6

No Detections.

Client Sample ID: MW-9112D — Lab Sample ID: 480-225636-7

No Detections.

Client Sample ID: DUP-111924 — Lab Sample ID: 480-225636-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	350	E	1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	1.3		1.0	0.74	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: DUP-111924 (Continued)

Lab Sample ID: 480-225636-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	1.5	J	2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	4.9		1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	6.4		2.0	0.66	ug/L	1		8260C	Total/NA
Benzene - DL	400		8.0	3.3	ug/L	8		8260C	Total/NA
Acenaphthene	67	E	5.0	0.41	ug/L	1		8270D	Total/NA
Anthracene	1.3	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	0.97	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	17		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	8.4		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	3.1	J	5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	0.97	J	5.0	0.34	ug/L	1		8270D	Total/NA
Acenaphthene - DL	66		25	2.1	ug/L	5		8270D	Total/NA
Fluorene - DL	15	J	25	1.8	ug/L	5		8270D	Total/NA
Naphthalene - DL	7.9	J	25	3.8	ug/L	5		8270D	Total/NA
Phenanthrene - DL	2.9	J	25	2.2	ug/L	5		8270D	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-225636-9

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-8604S

Lab Sample ID: 480-225636-1
Matrix: WG
Date Collected: 11/19/24 09:30
Date Received: 11/20/24 17:30

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			11/23/24 01:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 01:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 01:39	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 01:39	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 01:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/23/24 01:39*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/23/24 01:39*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/23/24 01:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/24 01:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/21/24 13:42	11/22/24 22:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/22/24 22:18	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/22/24 22:18	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 22:18	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 22:18	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 22:18	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/22/24 22:18	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/22/24 22:18	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/22/24 22:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/22/24 22:18	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/22/24 22:18	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 22:18	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 22:18	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/22/24 22:18	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/22/24 22:18	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*69*		*29 - 129*	*11/21/24 13:42*	*11/22/24 22:18*	*1*
2-Fluorobiphenyl	*79*		*53 - 126*	*11/21/24 13:42*	*11/22/24 22:18*	*1*
p-Terphenyl-d14 (Surr)	*88*		*33 - 132*	*11/21/24 13:42*	*11/22/24 22:18*	*1*

Client Sample ID: PTMW-0202

Lab Sample ID: 480-225636-2
Matrix: WG
Date Collected: 11/19/24 09:25
Date Received: 11/20/24 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**390**	**F1**	5.0	2.1	ug/L			11/23/24 13:14	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/23/24 13:14	5
m-Xylene & p-Xylene	ND		10	3.3	ug/L			11/23/24 13:14	5
o-Xylene	**5.1**		5.0	3.8	ug/L			11/23/24 13:14	5
Toluene	ND		5.0	2.6	ug/L			11/23/24 13:14	5
Xylenes, Total	**5.1**	**J**	10	3.3	ug/L			11/23/24 13:14	5

Client Sample ID: PTMW-0202

Date Collected: 11/19/24 09:25
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-2

Matrix: WG

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		11/23/24 13:14	5
4-Bromofluorobenzene (Surr)	104		73 - 120		11/23/24 13:14	5
Dibromofluoromethane (Surr)	105		75 - 123		11/23/24 13:14	5
Toluene-d8 (Surr)	103		80 - 120		11/23/24 13:14	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**66**	**E**	5.0	0.41	ug/L		11/21/24 13:42	11/22/24 20:58	1
Acenaphthylene	**0.56**	**J**	5.0	0.38	ug/L		11/21/24 13:42	11/22/24 20:58	1
Anthracene	**1.2**	**J**	5.0	0.28	ug/L		11/21/24 13:42	11/22/24 20:58	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 20:58	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 20:58	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 20:58	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/22/24 20:58	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/22/24 20:58	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/22/24 20:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/22/24 20:58	1
Fluoranthene	**0.95**	**J**	5.0	0.40	ug/L		11/21/24 13:42	11/22/24 20:58	1
Fluorene	**17**		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 20:58	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 20:58	1
Naphthalene	**8.2**		5.0	0.76	ug/L		11/21/24 13:42	11/22/24 20:58	1
Phenanthrene	**3.1**	**J**	5.0	0.44	ug/L		11/21/24 13:42	11/22/24 20:58	1
Pyrene	**0.94**	**J**	5.0	0.34	ug/L		11/21/24 13:42	11/22/24 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	66		29 - 129	11/21/24 13:42	11/22/24 20:58	1
2-Fluorobiphenyl	79		53 - 126	11/21/24 13:42	11/22/24 20:58	1
p-Terphenyl-d14 (Surr)	89		33 - 132	11/21/24 13:42	11/22/24 20:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**63**		25	2.1	ug/L		11/21/24 13:42	11/25/24 14:10	5
Acenaphthylene	ND		25	1.9	ug/L		11/21/24 13:42	11/25/24 14:10	5
Anthracene	**1.4**	**J**	25	1.4	ug/L		11/21/24 13:42	11/25/24 14:10	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/21/24 13:42	11/25/24 14:10	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/21/24 13:42	11/25/24 14:10	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/21/24 13:42	11/25/24 14:10	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/21/24 13:42	11/25/24 14:10	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/21/24 13:42	11/25/24 14:10	5
Chrysene	ND		25	1.7	ug/L		11/21/24 13:42	11/25/24 14:10	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/21/24 13:42	11/25/24 14:10	5
Fluoranthene	ND		25	2.0	ug/L		11/21/24 13:42	11/25/24 14:10	5
Fluorene	**15**	**J**	25	1.8	ug/L		11/21/24 13:42	11/25/24 14:10	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/21/24 13:42	11/25/24 14:10	5
Naphthalene	**8.3**	**J**	25	3.8	ug/L		11/21/24 13:42	11/25/24 14:10	5
Phenanthrene	**2.9**	**J**	25	2.2	ug/L		11/21/24 13:42	11/25/24 14:10	5
Pyrene	ND		25	1.7	ug/L		11/21/24 13:42	11/25/24 14:10	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	59		29 - 129	11/21/24 13:42	11/25/24 14:10	5
2-Fluorobiphenyl	75		53 - 126	11/21/24 13:42	11/25/24 14:10	5

Client Sample ID: PTMW-0202

Lab Sample ID: 480-225636-2

Date Collected: 11/19/24 09:25

Matrix: WG

Date Received: 11/20/24 17:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	*80*		*33 - 132*	*11/21/24 13:42*	*11/25/24 14:10*	*5*

Client Sample ID: MW-8806S

Lab Sample ID: 480-225636-3

Date Collected: 11/19/24 12:10

Matrix: WG

Date Received: 11/20/24 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.43**	**J**	1.0	0.41	ug/L			11/23/24 13:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 13:36	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 13:36	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 13:36	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 13:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/23/24 13:36*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/23/24 13:36*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*11/23/24 13:36*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/24 13:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/21/24 13:42	11/22/24 22:44	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/22/24 22:44	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/22/24 22:44	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 22:44	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 22:44	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 22:44	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/22/24 22:44	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/22/24 22:44	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/22/24 22:44	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/22/24 22:44	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/22/24 22:44	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 22:44	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 22:44	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/22/24 22:44	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/22/24 22:44	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*67*		*29 - 129*	*11/21/24 13:42*	*11/22/24 22:44*	*1*
2-Fluorobiphenyl	*78*		*53 - 126*	*11/21/24 13:42*	*11/22/24 22:44*	*1*
p-Terphenyl-d14 (Surr)	*85*		*33 - 132*	*11/21/24 13:42*	*11/22/24 22:44*	*1*

Client Sample ID: MW-0201

Date Collected: 11/19/24 10:40
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-4

Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**36**		2.0	0.82	ug/L			11/23/24 02:46	2
Ethylbenzene	**20**		2.0	1.5	ug/L			11/23/24 02:46	2
m-Xylene & p-Xylene	**3.1**	**J**	4.0	1.3	ug/L			11/23/24 02:46	2
o-Xylene	**25**		2.0	1.5	ug/L			11/23/24 02:46	2
Toluene	**1.5**	**J**	2.0	1.0	ug/L			11/23/24 02:46	2
Xylenes, Total	**28**		4.0	1.3	ug/L			11/23/24 02:46	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*11/23/24 02:46*	*2*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/23/24 02:46*	*2*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/23/24 02:46*	*2*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/23/24 02:46*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		25	2.1	ug/L		11/21/24 13:42	11/22/24 23:11	5
Acenaphthylene	ND		25	1.9	ug/L		11/21/24 13:42	11/22/24 23:11	5
Anthracene	ND		25	1.4	ug/L		11/21/24 13:42	11/22/24 23:11	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/21/24 13:42	11/22/24 23:11	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/21/24 13:42	11/22/24 23:11	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/21/24 13:42	11/22/24 23:11	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/21/24 13:42	11/22/24 23:11	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/21/24 13:42	11/22/24 23:11	5
Chrysene	ND		25	1.7	ug/L		11/21/24 13:42	11/22/24 23:11	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/21/24 13:42	11/22/24 23:11	5
Fluoranthene	ND		25	2.0	ug/L		11/21/24 13:42	11/22/24 23:11	5
Fluorene	ND		25	1.8	ug/L		11/21/24 13:42	11/22/24 23:11	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/21/24 13:42	11/22/24 23:11	5
Naphthalene	**140**		25	3.8	ug/L		11/21/24 13:42	11/22/24 23:11	5
Phenanthrene	ND		25	2.2	ug/L		11/21/24 13:42	11/22/24 23:11	5
Pyrene	ND		25	1.7	ug/L		11/21/24 13:42	11/22/24 23:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*56*		*29 - 129*	*11/21/24 13:42*	*11/22/24 23:11*	*5*
2-Fluorobiphenyl	*65*		*53 - 126*	*11/21/24 13:42*	*11/22/24 23:11*	*5*
p-Terphenyl-d14 (Surr)	*66*		*33 - 132*	*11/21/24 13:42*	*11/22/24 23:11*	*5*

Client Sample ID: MW-9111S

Date Collected: 11/19/24 11:05
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-5

Matrix: WG

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			11/23/24 03:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 03:08	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 03:08	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 03:08	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 03:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 03:08	1

Client Sample ID: MW-9111S

Lab Sample ID: 480-225636-5
Matrix: WG
Date Collected: 11/19/24 11:05
Date Received: 11/20/24 17:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/23/24 03:08*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/23/24 03:08*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*11/23/24 03:08*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/23/24 03:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**3.5**	**J**	5.0	0.41	ug/L		11/21/24 13:42	11/22/24 23:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/22/24 23:37	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/22/24 23:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 23:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 23:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 23:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/22/24 23:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/22/24 23:37	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/22/24 23:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/22/24 23:37	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/22/24 23:37	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 23:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 23:37	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/22/24 23:37	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/22/24 23:37	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*68*		*29 - 129*	*11/21/24 13:42*	*11/22/24 23:37*	*1*
2-Fluorobiphenyl	*81*		*53 - 126*	*11/21/24 13:42*	*11/22/24 23:37*	*1*
p-Terphenyl-d14 (Surr)	*88*		*33 - 132*	*11/21/24 13:42*	*11/22/24 23:37*	*1*

Client Sample ID: MW-9112S

Lab Sample ID: 480-225636-6
Matrix: WG
Date Collected: 11/19/24 12:30
Date Received: 11/20/24 17:30

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			11/23/24 03:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 03:30	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 03:30	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 03:30	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 03:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/23/24 03:30*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/23/24 03:30*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/23/24 03:30*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/24 03:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/21/24 13:42	11/23/24 00:04	1

Client Sample ID: MW-9112S

Lab Sample ID: 480-225636-6

Date Collected: 11/19/24 12:30

Matrix: WG

Date Received: 11/20/24 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/23/24 00:04	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/23/24 00:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/23/24 00:04	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/23/24 00:04	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/23/24 00:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/23/24 00:04	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/23/24 00:04	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:04	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/23/24 00:04	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/23/24 00:04	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*29 - 129*	*11/21/24 13:42*	*11/23/24 00:04*	*1*
2-Fluorobiphenyl	*71*		*53 - 126*	*11/21/24 13:42*	*11/23/24 00:04*	*1*
p-Terphenyl-d14 (Surr)	*75*		*33 - 132*	*11/21/24 13:42*	*11/23/24 00:04*	*1*

Client Sample ID: MW-9112D

Lab Sample ID: 480-225636-7

Date Collected: 11/19/24 13:35

Matrix: WG

Date Received: 11/20/24 17:30

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			11/23/24 03:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 03:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 03:52	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 03:52	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 03:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/23/24 03:52*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/23/24 03:52*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*11/23/24 03:52*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/24 03:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/21/24 13:42	11/23/24 00:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/23/24 00:30	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/23/24 00:30	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:30	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:30	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:30	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/23/24 00:30	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/23/24 00:30	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/23/24 00:30	1

Client Sample ID: MW-9112D

Lab Sample ID: 480-225636-7

Date Collected: 11/19/24 13:35

Matrix: WG

Date Received: 11/20/24 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/23/24 00:30	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/23/24 00:30	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:30	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:30	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/23/24 00:30	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/23/24 00:30	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*68*		*29 - 129*	*11/21/24 13:42*	*11/23/24 00:30*	*1*
2-Fluorobiphenyl	*78*		*53 - 126*	*11/21/24 13:42*	*11/23/24 00:30*	*1*
p-Terphenyl-d14 (Surr)	*90*		*33 - 132*	*11/21/24 13:42*	*11/23/24 00:30*	*1*

Client Sample ID: DUP-111924

Lab Sample ID: 480-225636-8

Date Collected: 11/19/24 00:00

Matrix: WG

Date Received: 11/20/24 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**350**	**E**	1.0	0.41	ug/L			11/23/24 04:14	1
Ethylbenzene	**1.3**		1.0	0.74	ug/L			11/23/24 04:14	1
m-Xylene & p-Xylene	**1.5**	**J**	2.0	0.66	ug/L			11/23/24 04:14	1
o-Xylene	**4.9**		1.0	0.76	ug/L			11/23/24 04:14	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 04:14	1
Xylenes, Total	**6.4**		2.0	0.66	ug/L			11/23/24 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/23/24 04:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/23/24 04:14*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*11/23/24 04:14*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/23/24 04:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**400**		8.0	3.3	ug/L			11/23/24 13:58	8
Ethylbenzene	ND		8.0	5.9	ug/L			11/23/24 13:58	8
m-Xylene & p-Xylene	ND		16	5.3	ug/L			11/23/24 13:58	8
o-Xylene	ND		8.0	6.1	ug/L			11/23/24 13:58	8
Toluene	ND		8.0	4.1	ug/L			11/23/24 13:58	8
Xylenes, Total	ND		16	5.3	ug/L			11/23/24 13:58	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/23/24 13:58*	*8*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/23/24 13:58*	*8*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/23/24 13:58*	*8*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/23/24 13:58*	*8*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**67**	**E**	5.0	0.41	ug/L		11/21/24 13:42	11/23/24 00:57	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/23/24 00:57	1

Client Sample ID: DUP-111924

Date Collected: 11/19/24 00:00
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-8
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**1.3**	**J**	5.0	0.28	ug/L		11/21/24 13:42	11/23/24 00:57	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:57	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:57	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:57	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/23/24 00:57	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/23/24 00:57	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/23/24 00:57	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/23/24 00:57	1
Fluoranthene	**0.97**	**J**	5.0	0.40	ug/L		11/21/24 13:42	11/23/24 00:57	1
Fluorene	**17**		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:57	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:57	1
Naphthalene	**8.4**		5.0	0.76	ug/L		11/21/24 13:42	11/23/24 00:57	1
Phenanthrene	**3.1**	**J**	5.0	0.44	ug/L		11/21/24 13:42	11/23/24 00:57	1
Pyrene	**0.97**	**J**	5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*65*		*29 - 129*	*11/21/24 13:42*	*11/23/24 00:57*	*1*
2-Fluorobiphenyl	*78*		*53 - 126*	*11/21/24 13:42*	*11/23/24 00:57*	*1*
p-Terphenyl-d14 (Surr)	*84*		*33 - 132*	*11/21/24 13:42*	*11/23/24 00:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**66**		25	2.1	ug/L		11/21/24 13:42	11/25/24 14:36	5
Acenaphthylene	ND		25	1.9	ug/L		11/21/24 13:42	11/25/24 14:36	5
Anthracene	ND		25	1.4	ug/L		11/21/24 13:42	11/25/24 14:36	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/21/24 13:42	11/25/24 14:36	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/21/24 13:42	11/25/24 14:36	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/21/24 13:42	11/25/24 14:36	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/21/24 13:42	11/25/24 14:36	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/21/24 13:42	11/25/24 14:36	5
Chrysene	ND		25	1.7	ug/L		11/21/24 13:42	11/25/24 14:36	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/21/24 13:42	11/25/24 14:36	5
Fluoranthene	ND		25	2.0	ug/L		11/21/24 13:42	11/25/24 14:36	5
Fluorene	**15**	**J**	25	1.8	ug/L		11/21/24 13:42	11/25/24 14:36	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/21/24 13:42	11/25/24 14:36	5
Naphthalene	**7.9**	**J**	25	3.8	ug/L		11/21/24 13:42	11/25/24 14:36	5
Phenanthrene	**2.9**	**J**	25	2.2	ug/L		11/21/24 13:42	11/25/24 14:36	5
Pyrene	ND		25	1.7	ug/L		11/21/24 13:42	11/25/24 14:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*58*		*29 - 129*	*11/21/24 13:42*	*11/25/24 14:36*	*5*
2-Fluorobiphenyl	*76*		*53 - 126*	*11/21/24 13:42*	*11/25/24 14:36*	*5*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*11/21/24 13:42*	*11/25/24 14:36*	*5*

Client Sample ID: TRIP BLANK

Date Collected: 11/12/24 00:00
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-9
Matrix: WQ

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			11/23/24 04:36	1

Client: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

Client Sample ID: TRIP BLANK
Date Collected: 11/12/24 00:00
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-9
Matrix: WQ

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 04:36	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 04:36	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 04:36	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 04:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/23/24 04:36*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/23/24 04:36*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*11/23/24 04:36*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/24 04:36*	*1*

Surrogate Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

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)
LCS 480-733413/6	Lab Control Sample	100	100	101	102
LCS 480-733474/6	Lab Control Sample	105	102	104	101
MB 480-733413/8	Method Blank	104	102	104	100
MB 480-733474/8	Method Blank	100	106	100	101

Surrogate Legend

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

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

Matrix: WG — **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)
480-225636-1	MW-8604S	104	102	103	100
480-225636-2	PTMW-0202	106	104	105	103
480-225636-2 MS	PTMW-0202	104	98	103	102
480-225636-2 MSD	PTMW-0202	106	98	103	100
480-225636-3	MW-8806S	100	103	101	101
480-225636-4	MW-0201	107	99	103	99
480-225636-5	MW-9111S	102	102	101	98
480-225636-6	MW-9112S	104	101	103	101
480-225636-7	MW-9112D	103	103	102	101
480-225636-8	DUP-111924	102	99	111	99
480-225636-8 - DL	DUP-111924	105	104	104	103

Surrogate Legend

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

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

Matrix: WQ — **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)
480-225636-9	TRIP BLANK	102	105	102	101

Surrogate Legend

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

Surrogate Summary

Client: New York State Electric & Gas
Job ID: 480-225636-1
Project/Site: NYSEG - Oneonta Former MGP

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPHd14
Lab Sample ID	Client Sample ID	(29-129)	(53-126)	(33-132)
LCS 480-733262/2-A	Lab Control Sample	86	92	102
MB 480-733262/1-A	Method Blank	68	81	105

Surrogate Legend

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

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

Matrix: WG **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPHd14
Lab Sample ID	Client Sample ID	(29-129)	(53-126)	(33-132)
480-225636-1	MW-8604S	69	79	88
480-225636-2	PTMW-0202	66	79	89
480-225636-2 - DL	PTMW-0202	59	75	80
480-225636-2 MS	PTMW-0202	83	88	87
480-225636-2 MS - DL	PTMW-0202	81	90	84
480-225636-2 MSD	PTMW-0202	82	89	85
480-225636-2 MSD - DL	PTMW-0202	79	86	81
480-225636-3	MW-8806S	67	78	85
480-225636-4	MW-0201	56	65	66
480-225636-5	MW-9111S	68	81	88
480-225636-6	MW-9112S	62	71	75
480-225636-7	MW-9112D	68	78	90
480-225636-8	DUP-111924	65	78	84
480-225636-8 - DL	DUP-111924	58	76	77

Surrogate Legend

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

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

Lab Sample ID: MB 480-733413/8
Matrix: Water
Analysis Batch: 733413

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			11/23/24 01:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 01:17	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 01:17	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 01:17	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 01:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 01:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/23/24 01:17*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/23/24 01:17*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/23/24 01:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/24 01:17*	*1*

Lab Sample ID: LCS 480-733413/6
Matrix: Water
Analysis Batch: 733413

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	24.8		ug/L		99	71 - 124
Ethylbenzene	25.0	25.4		ug/L		102	77 - 123
m-Xylene & p-Xylene	25.0	26.1		ug/L		105	76 - 122
o-Xylene	25.0	25.5		ug/L		102	76 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
Xylenes, Total	50.0	51.6		ug/L		103	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 480-733474/8
Matrix: Water
Analysis Batch: 733474

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			11/23/24 12:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 12:05	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 12:05	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 12:05	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 12:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/23/24 12:05*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/23/24 12:05*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*11/23/24 12:05*	*1*

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

Lab Sample ID: MB 480-733474/8
Matrix: Water
Analysis Batch: 733474

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		11/23/24 12:05	1

Lab Sample ID: LCS 480-733474/6
Matrix: Water
Analysis Batch: 733474

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	26.0		ug/L		104	71 - 124
Ethylbenzene	25.0	26.1		ug/L		104	77 - 123
m-Xylene & p-Xylene	25.0	26.2		ug/L		105	76 - 122
o-Xylene	25.0	25.8		ug/L		103	76 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
Xylenes, Total	50.0	52.0		ug/L		104	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: 480-225636-2 MS
Matrix: WG
Analysis Batch: 733474

Client Sample ID: PTMW-0202
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	390	F1	125	452	F1	ug/L		52	71 - 124
Ethylbenzene	ND		125	128		ug/L		103	77 - 123
m-Xylene & p-Xylene	ND		125	132		ug/L		106	76 - 122
o-Xylene	5.1		125	133		ug/L		102	76 - 122
Toluene	ND		125	125		ug/L		100	80 - 122
Xylenes, Total	5.1	J	250	265		ug/L		104	76 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 480-225636-2 MSD
Matrix: WG
Analysis Batch: 733474

Client Sample ID: PTMW-0202
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	390	F1	125	468	F1	ug/L		64	71 - 124	3	13
Ethylbenzene	ND		125	134		ug/L		107	77 - 123	5	15
m-Xylene & p-Xylene	ND		125	137		ug/L		109	76 - 122	3	16
o-Xylene	5.1		125	141		ug/L		109	76 - 122	6	16
Toluene	ND		125	127		ug/L		102	80 - 122	2	15

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

Lab Sample ID: 480-225636-2 MSD
Matrix: WG
Analysis Batch: 733474

Client Sample ID: PTMW-0202
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	5.1	J	250	278		ug/L		109	76 - 122	5	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 480-733262/1-A
Matrix: Water
Analysis Batch: 733417

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 733262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/21/24 13:42	11/22/24 19:12	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/22/24 19:12	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/22/24 19:12	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 19:12	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 19:12	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 19:12	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/22/24 19:12	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/22/24 19:12	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/22/24 19:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/22/24 19:12	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/22/24 19:12	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 19:12	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 19:12	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/22/24 19:12	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/22/24 19:12	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 19:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*68*		*29 - 129*	*11/21/24 13:42*	*11/22/24 19:12*	*1*
2-Fluorobiphenyl	*81*		*53 - 126*	*11/21/24 13:42*	*11/22/24 19:12*	*1*
p-Terphenyl-d14 (Surr)	*105*		*33 - 132*	*11/21/24 13:42*	*11/22/24 19:12*	*1*

Lab Sample ID: LCS 480-733262/2-A
Matrix: Water
Analysis Batch: 733417

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 733262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	28.7		ug/L		90	60 - 120
Acenaphthylene	32.0	30.6		ug/L		96	63 - 120
Anthracene	32.0	31.1		ug/L		97	67 - 120
Benzo[a]anthracene	32.0	32.1		ug/L		100	70 - 121
Benzo[a]pyrene	32.0	31.9		ug/L		100	60 - 123
Benzo[b]fluoranthene	32.0	33.6		ug/L		105	66 - 126

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

Lab Sample ID: LCS 480-733262/2-A
Matrix: Water
Analysis Batch: 733417

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 733262

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[g,h,i]perylene			32.0	32.5		ug/L		102	66 - 150		
Benzo[k]fluoranthene			32.0	30.9		ug/L		96	65 - 124		
Chrysene			32.0	32.0		ug/L		100	69 - 120		
Dibenz(a,h)anthracene			32.0	32.8		ug/L		103	65 - 135		
Fluoranthene			32.0	33.0		ug/L		103	69 - 126		
Fluorene			32.0	30.6		ug/L		96	66 - 120		
Indeno[1,2,3-cd]pyrene			32.0	32.3		ug/L		101	69 - 146		
Naphthalene			32.0	26.9		ug/L		84	57 - 120		
Phenanthrene			32.0	30.3		ug/L		95	68 - 120		
Pyrene			32.0	33.5		ug/L		105	70 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*86*		*29 - 129*
2-Fluorobiphenyl	*92*		*53 - 126*
p-Terphenyl-d14 (Surr)	*102*		*33 - 132*

Lab Sample ID: 480-225636-2 MS
Matrix: WG
Analysis Batch: 733417

Client Sample ID: PTMW-0202
Prep Type: Total/NA
Prep Batch: 733262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	66	E	32.0	95.4	E	ug/L		93	48 - 120		
Acenaphthylene	0.56	J	32.0	30.7		ug/L		94	63 - 120		
Anthracene	1.2	J	32.0	32.9		ug/L		99	65 - 122		
Benzo[a]anthracene	ND		32.0	31.5		ug/L		98	43 - 124		
Benzo[a]pyrene	ND		32.0	29.8		ug/L		93	23 - 125		
Benzo[b]fluoranthene	ND		32.0	33.0		ug/L		103	27 - 127		
Benzo[g,h,i]perylene	ND		32.0	30.5		ug/L		95	16 - 147		
Benzo[k]fluoranthene	ND		32.0	27.9		ug/L		87	20 - 124		
Chrysene	ND		32.0	30.4		ug/L		95	44 - 122		
Dibenz(a,h)anthracene	ND		32.0	30.9		ug/L		97	16 - 139		
Fluoranthene	0.95	J	32.0	33.8		ug/L		103	63 - 129		
Fluorene	17		32.0	47.6		ug/L		96	62 - 120		
Indeno[1,2,3-cd]pyrene	ND		32.0	30.1		ug/L		94	16 - 140		
Naphthalene	8.2		32.0	34.7		ug/L		83	45 - 120		
Phenanthrene	3.1	J	32.0	33.6		ug/L		95	65 - 122		
Pyrene	0.94	J	32.0	34.1		ug/L		104	58 - 128		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*83*		*29 - 129*
2-Fluorobiphenyl	*88*		*53 - 126*
p-Terphenyl-d14 (Surr)	*87*		*33 - 132*

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

Lab Sample ID: 480-225636-2 MSD
Matrix: WG
Analysis Batch: 733417

Client Sample ID: PTMW-0202
Prep Type: Total/NA
Prep Batch: 733262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	66	E	32.0	101	E	ug/L		109	48 - 120	5	24
Acenaphthylene	0.56	J	32.0	31.9		ug/L		98	63 - 120	4	18
Anthracene	1.2	J	32.0	33.3		ug/L		100	65 - 122	1	15
Benzo[a]anthracene	ND		32.0	30.6		ug/L		96	43 - 124	3	15
Benzo[a]pyrene	ND		32.0	28.9		ug/L		90	23 - 125	3	15
Benzo[b]fluoranthene	ND		32.0	31.7		ug/L		99	27 - 127	4	15
Benzo[g,h,i]perylene	ND		32.0	29.5		ug/L		92	16 - 147	3	15
Benzo[k]fluoranthene	ND		32.0	27.6		ug/L		86	20 - 124	1	22
Chrysene	ND		32.0	29.7		ug/L		93	44 - 122	3	15
Dibenz(a,h)anthracene	ND		32.0	29.9		ug/L		94	16 - 139	3	15
Fluoranthene	0.95	J	32.0	34.0		ug/L		103	63 - 129	1	15
Fluorene	17		32.0	49.6		ug/L		102	62 - 120	4	15
Indeno[1,2,3-cd]pyrene	ND		32.0	29.4		ug/L		92	16 - 140	3	15
Naphthalene	8.2		32.0	34.9		ug/L		84	45 - 120	1	29
Phenanthrene	3.1	J	32.0	34.5		ug/L		98	65 - 122	3	15
Pyrene	0.94	J	32.0	33.5		ug/L		102	58 - 128	2	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*82*		*29 - 129*
2-Fluorobiphenyl	*89*		*53 - 126*
p-Terphenyl-d14 (Surr)	*85*		*33 - 132*

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

Lab Sample ID: 480-225636-2 MS
Matrix: WG
Analysis Batch: 733575

Client Sample ID: PTMW-0202
Prep Type: Total/NA
Prep Batch: 733262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene - DL	63		32.0	99.5		ug/L		113	48 - 120
Acenaphthylene - DL	ND		32.0	31.3		ug/L		98	63 - 120
Anthracene - DL	1.4	J	32.0	34.2		ug/L		102	65 - 122
Benzo[a]anthracene - DL	ND		32.0	30.6		ug/L		96	43 - 124
Benzo[a]pyrene - DL	ND		32.0	29.1		ug/L		91	23 - 125
Benzo[b]fluoranthene - DL	ND		32.0	32.3		ug/L		101	27 - 127
Benzo[g,h,i]perylene - DL	ND		32.0	29.6		ug/L		93	16 - 147
Benzo[k]fluoranthene - DL	ND		32.0	28.2		ug/L		88	20 - 124
Chrysene - DL	ND		32.0	30.5		ug/L		95	44 - 122
Dibenz(a,h)anthracene - DL	ND		32.0	29.3		ug/L		92	16 - 139
Fluoranthene - DL	ND		32.0	35.8		ug/L		112	63 - 129
Fluorene - DL	15	J	32.0	49.7		ug/L		108	62 - 120
Indeno[1,2,3-cd]pyrene - DL	ND		32.0	28.7		ug/L		90	16 - 140
Naphthalene - DL	8.3	J	32.0	35.2		ug/L		84	45 - 120
Phenanthrene - DL	2.9	J	32.0	34.3		ug/L		98	65 - 122
Pyrene - DL	ND		32.0	33.5		ug/L		105	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr) - DL	*81*		*29 - 129*

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

Lab Sample ID: 480-225636-2 MS
Matrix: WG
Analysis Batch: 733575

Client Sample ID: PTMW-0202
Prep Type: Total/NA
Prep Batch: 733262

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl - DL	*90*		*53 - 126*
p-Terphenyl-d14 (Surr) - DL	*84*		*33 - 132*

Lab Sample ID: 480-225636-2 MSD
Matrix: WG
Analysis Batch: 733575

Client Sample ID: PTMW-0202
Prep Type: Total/NA
Prep Batch: 733262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene - DL	63		32.0	98.1		ug/L		108	48 - 120	1	24
Acenaphthylene - DL	ND		32.0	30.8		ug/L		96	63 - 120	2	18
Anthracene - DL	1.4	J	32.0	32.2		ug/L		96	65 - 122	6	15
Benzo[a]anthracene - DL	ND		32.0	29.5		ug/L		92	43 - 124	4	15
Benzo[a]pyrene - DL	ND		32.0	27.9		ug/L		87	23 - 125	4	15
Benzo[b]fluoranthene - DL	ND		32.0	30.3		ug/L		95	27 - 127	6	15
Benzo[g,h,i]perylene - DL	ND		32.0	27.8		ug/L		87	16 - 147	6	15
Benzo[k]fluoranthene - DL	ND		32.0	26.5		ug/L		83	20 - 124	6	22
Chrysene - DL	ND		32.0	29.2		ug/L		91	44 - 122	4	15
Dibenz(a,h)anthracene - DL	ND		32.0	28.3		ug/L		88	16 - 139	4	15
Fluoranthene - DL	ND		32.0	34.5		ug/L		108	63 - 129	4	15
Fluorene - DL	15	J	32.0	47.7		ug/L		102	62 - 120	4	15
Indeno[1,2,3-cd]pyrene - DL	ND		32.0	26.9		ug/L		84	16 - 140	6	15
Naphthalene - DL	8.3	J	32.0	34.4		ug/L		82	45 - 120	2	29
Phenanthrene - DL	2.9	J	32.0	33.5		ug/L		95	65 - 122	3	15
Pyrene - DL	ND		32.0	31.7		ug/L		99	58 - 128	6	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr) - DL	*79*		*29 - 129*
2-Fluorobiphenyl - DL	*86*		*53 - 126*
p-Terphenyl-d14 (Surr) - DL	*81*		*33 - 132*

QC Association Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

GC/MS VOA

Analysis Batch: 733413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225636-1	MW-8604S	Total/NA	WG	8260C	
480-225636-4	MW-0201	Total/NA	WG	8260C	
480-225636-5	MW-9111S	Total/NA	WG	8260C	
480-225636-6	MW-9112S	Total/NA	WG	8260C	
480-225636-7	MW-9112D	Total/NA	WG	8260C	
480-225636-8	DUP-111924	Total/NA	WG	8260C	
480-225636-9	TRIP BLANK	Total/NA	WQ	8260C	
MB 480-733413/8	Method Blank	Total/NA	Water	8260C	
LCS 480-733413/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 733474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225636-2	PTMW-0202	Total/NA	WG	8260C	
480-225636-3	MW-8806S	Total/NA	WG	8260C	
480-225636-8 - DL	DUP-111924	Total/NA	WG	8260C	
MB 480-733474/8	Method Blank	Total/NA	Water	8260C	
LCS 480-733474/6	Lab Control Sample	Total/NA	Water	8260C	
480-225636-2 MS	PTMW-0202	Total/NA	WG	8260C	
480-225636-2 MSD	PTMW-0202	Total/NA	WG	8260C	

GC/MS Semi VOA

Prep Batch: 733262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225636-1	MW-8604S	Total/NA	WG	3510C	
480-225636-2	PTMW-0202	Total/NA	WG	3510C	
480-225636-2 - DL	PTMW-0202	Total/NA	WG	3510C	
480-225636-3	MW-8806S	Total/NA	WG	3510C	
480-225636-4	MW-0201	Total/NA	WG	3510C	
480-225636-5	MW-9111S	Total/NA	WG	3510C	
480-225636-6	MW-9112S	Total/NA	WG	3510C	
480-225636-7	MW-9112D	Total/NA	WG	3510C	
480-225636-8 - DL	DUP-111924	Total/NA	WG	3510C	
480-225636-8	DUP-111924	Total/NA	WG	3510C	
MB 480-733262/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-733262/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-225636-2 MS	PTMW-0202	Total/NA	WG	3510C	
480-225636-2 MS - DL	PTMW-0202	Total/NA	WG	3510C	
480-225636-2 MSD	PTMW-0202	Total/NA	WG	3510C	
480-225636-2 MSD - DL	PTMW-0202	Total/NA	WG	3510C	

Analysis Batch: 733417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225636-1	MW-8604S	Total/NA	WG	8270D	733262
480-225636-2	PTMW-0202	Total/NA	WG	8270D	733262
480-225636-3	MW-8806S	Total/NA	WG	8270D	733262
480-225636-4	MW-0201	Total/NA	WG	8270D	733262
480-225636-5	MW-9111S	Total/NA	WG	8270D	733262
480-225636-6	MW-9112S	Total/NA	WG	8270D	733262
480-225636-7	MW-9112D	Total/NA	WG	8270D	733262
480-225636-8	DUP-111924	Total/NA	WG	8270D	733262

GC/MS Semi VOA (Continued)

Analysis Batch: 733417 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-733262/1-A	Method Blank	Total/NA	Water	8270D	733262
LCS 480-733262/2-A	Lab Control Sample	Total/NA	Water	8270D	733262
480-225636-2 MS	PTMW-0202	Total/NA	WG	8270D	733262
480-225636-2 MSD	PTMW-0202	Total/NA	WG	8270D	733262

Analysis Batch: 733575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-225636-2 - DL	PTMW-0202	Total/NA	WG	8270D	733262
480-225636-8 - DL	DUP-111924	Total/NA	WG	8270D	733262
480-225636-2 MS - DL	PTMW-0202	Total/NA	WG	8270D	733262
480-225636-2 MSD - DL	PTMW-0202	Total/NA	WG	8270D	733262

Lab Chronicle

Client: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

Client Sample ID: MW-8604S
Date Collected: 11/19/24 09:30
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-1
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	733413	AXK	EET BUF	11/23/24 01:39
Total/NA	Prep	3510C			733262	LSC	EET BUF	11/21/24 13:42
Total/NA	Analysis	8270D		1	733417	JMM	EET BUF	11/22/24 22:18

Client Sample ID: PTMW-0202
Date Collected: 11/19/24 09:25
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-2
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	733474	AXK	EET BUF	11/23/24 13:14
Total/NA	Prep	3510C			733262	LSC	EET BUF	11/21/24 13:42
Total/NA	Analysis	8270D		1	733417	JMM	EET BUF	11/22/24 20:58
Total/NA	Prep	3510C	DL		733262	LSC	EET BUF	11/21/24 13:42
Total/NA	Analysis	8270D	DL	5	733575	JMM	EET BUF	11/25/24 14:10

Client Sample ID: MW-8806S
Date Collected: 11/19/24 12:10
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-3
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	733474	AXK	EET BUF	11/23/24 13:36
Total/NA	Prep	3510C			733262	LSC	EET BUF	11/21/24 13:42
Total/NA	Analysis	8270D		1	733417	JMM	EET BUF	11/22/24 22:44

Client Sample ID: MW-0201
Date Collected: 11/19/24 10:40
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-4
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	733413	AXK	EET BUF	11/23/24 02:46
Total/NA	Prep	3510C			733262	LSC	EET BUF	11/21/24 13:42
Total/NA	Analysis	8270D		5	733417	JMM	EET BUF	11/22/24 23:11

Client Sample ID: MW-9111S
Date Collected: 11/19/24 11:05
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-5
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	733413	AXK	EET BUF	11/23/24 03:08
Total/NA	Prep	3510C			733262	LSC	EET BUF	11/21/24 13:42
Total/NA	Analysis	8270D		1	733417	JMM	EET BUF	11/22/24 23:37

Lab Chronicle

Client: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

Client Sample ID: MW-9112S
Date Collected: 11/19/24 12:30
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-6
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	733413	AXK	EET BUF	11/23/24 03:30
Total/NA	Prep	3510C			733262	LSC	EET BUF	11/21/24 13:42
Total/NA	Analysis	8270D		1	733417	JMM	EET BUF	11/23/24 00:04

Client Sample ID: MW-9112D
Date Collected: 11/19/24 13:35
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-7
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	733413	AXK	EET BUF	11/23/24 03:52
Total/NA	Prep	3510C			733262	LSC	EET BUF	11/21/24 13:42
Total/NA	Analysis	8270D		1	733417	JMM	EET BUF	11/23/24 00:30

Client Sample ID: DUP-111924
Date Collected: 11/19/24 00:00
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-8
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	733413	AXK	EET BUF	11/23/24 04:14
Total/NA	Analysis	8260C	DL	8	733474	AXK	EET BUF	11/23/24 13:58
Total/NA	Prep	3510C			733262	LSC	EET BUF	11/21/24 13:42
Total/NA	Analysis	8270D		1	733417	JMM	EET BUF	11/23/24 00:57
Total/NA	Prep	3510C	DL		733262	LSC	EET BUF	11/21/24 13:42
Total/NA	Analysis	8270D	DL	5	733575	JMM	EET BUF	11/25/24 14:36

Client Sample ID: TRIP BLANK
Date Collected: 11/12/24 00:00
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-9
Matrix: WQ

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	733413	AXK	EET BUF	11/23/24 04:36

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

Accreditation/Certification Summary

Client: New York State Electric & Gas
Job ID: 480-225636-1
Project/Site: NYSEG - Oneonta Former MGP

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

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

Method Summary

Client: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

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: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-225636-1	MW-8604S	WG	11/19/24 09:30	11/20/24 17:30
480-225636-2	PTMW-0202	WG	11/19/24 09:25	11/20/24 17:30
480-225636-3	MW-8806S	WG	11/19/24 12:10	11/20/24 17:30
480-225636-4	MW-0201	WG	11/19/24 10:40	11/20/24 17:30
480-225636-5	MW-9111S	WG	11/19/24 11:05	11/20/24 17:30
480-225636-6	MW-9112S	WG	11/19/24 12:30	11/20/24 17:30
480-225636-7	MW-9112D	WG	11/19/24 13:35	11/20/24 17:30
480-225636-8	DUP-111924	WG	11/19/24 00:00	11/20/24 17:30
480-225636-9	TRIP BLANK	WQ	11/12/24 00:00	11/20/24 17:30

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, Robbie Sullivan	Lab PM: Schove, John R	Carrier Tracking No(s): D-up oAF	COC No: 480-200550-41344.1
Client Contact: Mr. Nicholas Beyrle	Phone: 716-909-9063	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: Ny	Page: Page 1 of 1
Company: Arcadis U.S., Inc.	PWSID:	Analysis Requested		Job #:
Address: 100 Chestnut Street Suite 1020	Due Date Requested:			Preservation Codes: N - None, A - HCL
City: Rochester	TAT Requested (days): Standard			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4506125702			
Email: nicholas.beyrle@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

480-225636 Chain of Custody

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 - PAHs	8260C - BTEX	Total	Special Instructions/Note:
			Preservation Code:				N	A		
MW-8604S	11/19/24	0930	G	Water	N	N	X	X	5	
PTMW-0202	11/19/24	0925	G	Water	N	Y	X	X	15	ms/msd
MW-8806S	11/19/24	1210	G	Water	N	N	X	X	5	
MW-0201	11/19/24	1040	G	Water	N	N	X	X	5	
MW-9111S	11/19/24	1105	G	Water	N	N	X	X	5	
MW-9112S	11/19/24	1230	G	Water	N	N	X	X	5	
MW-9112D	11/19/24	1335	G	Water	N	N	X	X	5	
DUP-111924	11/19/24	—	G	Water	N	N	X	X	5	
Trip Blank	11/12/24	—	G	Water	N	N		X	1	
				Water						
				Water						

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	Company	Received by:	Date/Time	Company
1	[signature]	11/20/24 1730	Arcadis	[signature]	11/20/24 17:30	EET
2	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
3	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: 2.1 2.4 2.0 TCE IR#SC

Ver: 10/10/2024

11/26/2024

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-225636-1

Login Number: 225636
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	2.1, 2.4, 2.0 IR#SC 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
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 D

Data Usability Summary Reports

NYSEG Oneonta Former MGP

Data Usability Summary Report

Oneonta Former MGP, New York

Volatile Organic Compounds (VOCs) and Semi-volatile Organic Compounds (SVOCs) Analyses

SDG # 480-220181-1

Analyses Performed By:
Eurofins Buffalo
Amherst, New York

Subcontracted ALS Laboratories

Report # 54644R
Review Level: Tier III
Project: 30223880.2

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) # 480-220181-1 for samples collected in association with the NYSEG Corning Former 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
MW-0201	480-220181-1	Water	05/21/2024		X	X
MW-0203	480-220181-2	Water	05/21/2024		X	X
MW-8604S	480-220181-3	Water	05/21/2024		X	X
MW-8806S	480-220181-4	Water	05/21/2024		X	X
MW-9111S	480-220181-5	Water	05/21/2024		X	X
MW-9112D	480-220181-6	Water	05/21/2024		X	X
MW-9112S	480-220181-7	Water	05/21/2024		X	X
MW-9114S	480-220181-8	Water	05/21/2024		X	X
MW-9502S	480-220181-9	Water	05/21/2024		X	X
PTMW-0202	480-220181-10	Water	05/21/2024		X	X
TRIP BLANK	480-220181-11	Water	05/21/2024		X	
DUP-052124	480-220181-12	Water	05/21/2024	PTMW-0202	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.
  - J+ The result was an estimated quantity, but the result may be biased high.
  - 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 Compounds (VOCs) 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 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 sample PTMW-0202. The MS/MSD analysis exhibited recoveries and RPDs within the control limits.

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.

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	Compounds	Sample Result (ug/L)	Duplicate Result (ug/L)	RPD
PTMW-0202/ DUP-052124	Benzene	8.3	7.5	AC

Note:
AC Acceptable
The calculated RPDs between the parent sample and field duplicate 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/Preservation		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Rinse 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 Duplicate (RPD)		X		X	
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	

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
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	
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 Compounds (SVOCs) Analyses

1. Holding Times/Preservation

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. All compounds associated with the 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 sample PTMW-0202. The MS/MSD analysis exhibited recoveries and RPDs within the control limits with the exception noted below.

Sample ID	Compounds
PTMW-0202	Acenaphthene Acenaphthylene Anthracene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[g,h,i]perylene Benzo[k]fluoranthene Chrysene Dibenz(a,h)anthracene

Sample ID	Compounds
	Fluoranthene Fluorene Indeno[1,2,3-cd]pyrene Phenanthrene Pyrene

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

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.

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 and 50% for soil 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	Compounds	Sample Result (ug/L)	Duplicate Result (ug/L)	RPD
PTMW-0202/ DUP-052124	Acenaphthene	26	23	AC
	Anthracene	0.28 J	5.0 U	AC
	Fluoranthene	0.51 J	0.48 J	AC
	Fluorene	4.0 J	3.6 J	AC
	Pyrene	0.56 J	0.50 J	AC

Note:
AC Acceptable

The calculated RPDs between the parent sample and field duplicate 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/Preservation		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks/Field blanks	X				X
C. Rinse blank	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 Duplicate (RPD)		X		X	
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	

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
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

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]		Noncompliance
					VOC	SVOC	
480-220181-1	5/21/2024	SW846	MW-0201	Water	Yes	Yes	
	5/21/2024	SW846	MW-0203	Water	Yes	Yes	
	5/21/2024	SW846	MW-8604S	Water	Yes	Yes	
	5/21/2024	SW846	MW-8806S	Water	Yes	Yes	
	5/21/2024	SW846	MW-9111S	Water	Yes	Yes	
	5/21/2024	SW846	MW-9112D	Water	Yes	Yes	
	5/21/2024	SW846	MW-9112S	Water	Yes	Yes	
	5/21/2024	SW846	MW-9114S	Water	Yes	Yes	
	5/21/2024	SW846	MW-9502S	Water	Yes	Yes	
	5/21/2024	SW846	PTMW-0202	Water	Yes	No	SVOC: MS/MSD RPD
	5/21/2024	SW846	TRIP BLANK	Water	Yes	Yes	
	5/21/2024	SW846	DUP-052124	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: Amrutha M

SIGNATURE: 

DATE: June 24, 2024

PEER REVIEW: Joe Houser

DATE: June 24, 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: Mr. Nicholas Beyrle	Sampler: Kaitlyn Fleming & Bailey Kudlawilliams	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-196517-40738.1
Company: Arcadis U.S., Inc.	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Address: 100 Chestnut Street Suite 1020	PWSID:	Due Date Requested:		Job #:
City: Rochester		TAT Requested (days): Standard		
State, Zip: NY, 14604		Compliance Project: Δ Yes Δ No		
Phone:		PO #: 4506125702		
Email: nicholas.beyrle@arcadis.com		WO #: NYSEG Oneonta/John Ruspantini		
Project Name: NYSEG - Oneonta		Project #: 48004125		
Site: New York		SSOW#:		

480-220181 Chain of Custody

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 - PAHs	8260C - BTEX	Total Number of cont.	Special Instructions/Note:
Preservation Code:							N	A		
MW-8604S	5/21/24	0950	G	Water	N	N	X	X	5	
MW-9114S	5/21/24	0840	G	Water	N	N	X	X	5	
MW-8806S	5/21/24	0835	G	Water	N	N	X	X	5	
MW-0201	5/21/24	1520	G	Water	N	N	X	X	5	
MW-9111S	5/21/24	1425	G	Water	N	N	X	X	5	
MW-0203	5/21/24	1115	G	Water	N	N	X	X	5	
MW-9112S	5/21/24	1120	G	Water	N	N	X	X	5	
MW-9112D	5/21/24	1215	G	Water	N	N	X	X	5	
MW-9502S	5/21/24	1005	G	Water	N	N	X	X	5	
PTMW-0202	5/21/24	1255	G	Water	N	Y	X	X	15	ms/msd
[illegible] Dup-052124	5/21/24	—	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:	Date/Time: 5/22/2024 1505	Company ANA	Received by:	Date/Time: 5/22/24 1505	Company EET
Relinquished by:	Date/Time: 5/22/24 1545	Company EET	Received by:	Date/Time: 5/23/24 915	Company TA
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: 2.9 3.0 # 1 IR

Ver: 06/08/2021

06/05/2024

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: Karlyn Fleming & Bailey Kudlawiliams	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-196517-40738.2
Client Contact: Mr. Nicholas Beyrle	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 100 Chestnut Street Suite 1020	Due Date Requested:			
City: Rochester	TAT Requested (days): Standard			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4506125702			
Email: nicholas.beyrle@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	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 - PAHs	8260C - BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	A	X	
				Water						BKW
				Water						BKW
				Water						BKW
TRIP BLANK	—	—	—	Water	N	N		X	1	

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: ANA	Date/Time: 5/22/2024 1505	Company: ANA	Received by:	Date/Time: 5/22/24 1505	Company: EET
Relinquished by:	Date/Time: 5/22/24 1545	Company: EET	Received by:	Date/Time: 5/23/24 915	Company: TA
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: 06/08/2021

06/05/2024

Client Sample ID: MW-0201
Date Collected: 05/21/24 15:20
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-1
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**96**		2.0	0.82	ug/L			05/26/24 14:28	2
Ethylbenzene	**110**		2.0	1.5	ug/L			05/26/24 14:28	2
m-Xylene & p-Xylene	**20**		4.0	1.3	ug/L			05/26/24 14:28	2
o-Xylene	**55**		2.0	1.5	ug/L			05/26/24 14:28	2
Toluene	**3.3**		2.0	1.0	ug/L			05/26/24 14:28	2
Xylenes, Total	**75**		4.0	1.3	ug/L			05/26/24 14:28	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/26/24 14:28*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/26/24 14:28*	*2*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/26/24 14:28*	*2*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/26/24 14:28*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		25	2.1	ug/L		05/28/24 09:38	05/29/24 23:37	5
Acenaphthylene	ND		25	1.9	ug/L		05/28/24 09:38	05/29/24 23:37	5
Anthracene	ND		25	1.4	ug/L		05/28/24 09:38	05/29/24 23:37	5
Benzo[a]anthracene	ND		25	1.8	ug/L		05/28/24 09:38	05/29/24 23:37	5
Benzo[a]pyrene	ND		25	2.4	ug/L		05/28/24 09:38	05/29/24 23:37	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		05/28/24 09:38	05/29/24 23:37	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		05/28/24 09:38	05/29/24 23:37	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		05/28/24 09:38	05/29/24 23:37	5
Chrysene	ND		25	1.7	ug/L		05/28/24 09:38	05/29/24 23:37	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		05/28/24 09:38	05/29/24 23:37	5
Fluoranthene	ND		25	2.0	ug/L		05/28/24 09:38	05/29/24 23:37	5
Fluorene	ND		25	1.8	ug/L		05/28/24 09:38	05/29/24 23:37	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		05/28/24 09:38	05/29/24 23:37	5
Naphthalene	**180**		25	3.8	ug/L		05/28/24 09:38	05/29/24 23:37	5
Phenanthrene	ND		25	2.2	ug/L		05/28/24 09:38	05/29/24 23:37	5
Pyrene	ND		25	1.7	ug/L		05/28/24 09:38	05/29/24 23:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*05/28/24 09:38*	*05/29/24 23:37*	*5*
2-Fluorobiphenyl	*61*		*53 - 126*	*05/28/24 09:38*	*05/29/24 23:37*	*5*
p-Terphenyl-d14 (Surr)	*62*		*33 - 132*	*05/28/24 09:38*	*05/29/24 23:37*	*5*

Client Sample ID: MW-0203
Date Collected: 05/21/24 11:15
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-2
Matrix: WG

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			05/25/24 16:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 16:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 16:43	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 16:43	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 16:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*05/25/24 16:43*	*1*

Client Sample ID: MW-0203
Date Collected: 05/21/24 11:15
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-2
Matrix: WG

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/25/24 16:43*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/25/24 16:43*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/25/24 16:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 00:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 00:05	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 00:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 00:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 00:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 00:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 00:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 00:05	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 00:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 00:05	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 00:05	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 00:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 00:05	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 00:05	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 00:05	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*76*		*29 - 129*	*05/28/24 09:38*	*05/30/24 00:05*	*1*
2-Fluorobiphenyl	*80*		*53 - 126*	*05/28/24 09:38*	*05/30/24 00:05*	*1*
p-Terphenyl-d14 (Surr)	*89*		*33 - 132*	*05/28/24 09:38*	*05/30/24 00:05*	*1*

Client Sample ID: MW-8604S
Date Collected: 05/21/24 09:50
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-3
Matrix: WG

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			05/25/24 17:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 17:05	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 17:05	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 17:05	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 17:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*05/25/24 17:05*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/25/24 17:05*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/25/24 17:05*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/25/24 17:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.9**	**J**	5.0	0.41	ug/L		05/28/24 09:38	05/30/24 00:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 00:33	1

Client Sample ID: MW-8604S
Lab Sample ID: 480-220181-3

Date Collected: 05/21/24 09:50
Matrix: WG
Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 00:33	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 00:33	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 00:33	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 00:33	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 00:33	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 00:33	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 00:33	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 00:33	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 00:33	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 00:33	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 00:33	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 00:33	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 00:33	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*05/28/24 09:38*	*05/30/24 00:33*	*1*
2-Fluorobiphenyl	*55*		*53 - 126*	*05/28/24 09:38*	*05/30/24 00:33*	*1*
p-Terphenyl-d14 (Surr)	*55*		*33 - 132*	*05/28/24 09:38*	*05/30/24 00:33*	*1*

Client Sample ID: MW-8806S
Lab Sample ID: 480-220181-4

Date Collected: 05/21/24 08:35
Matrix: WG
Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.0	1.6	ug/L			05/25/24 17:28	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/25/24 17:28	4
m-Xylene & p-Xylene	ND		8.0	2.6	ug/L			05/25/24 17:28	4
o-Xylene	ND		4.0	3.0	ug/L			05/25/24 17:28	4
Toluene	ND		4.0	2.0	ug/L			05/25/24 17:28	4
Xylenes, Total	ND		8.0	2.6	ug/L			05/25/24 17:28	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*05/25/24 17:28*	*4*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*05/25/24 17:28*	*4*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*05/25/24 17:28*	*4*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/25/24 17:28*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 17:02	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 17:02	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 17:02	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 17:02	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 17:02	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 17:02	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 17:02	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 17:02	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 17:02	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 17:02	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 17:02	1

Client Sample ID: MW-8806S
Date Collected: 05/21/24 08:35
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-4
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 17:02	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 17:02	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 17:02	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 17:02	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*60*		*29 - 129*	*05/28/24 09:38*	*05/30/24 17:02*	*1*
2-Fluorobiphenyl	*64*		*53 - 126*	*05/28/24 09:38*	*05/30/24 17:02*	*1*
p-Terphenyl-d14 (Surr)	*64*		*33 - 132*	*05/28/24 09:38*	*05/30/24 17:02*	*1*

Client Sample ID: MW-9111S
Date Collected: 05/21/24 14:25
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-5
Matrix: WG

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			05/25/24 17:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 17:51	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 17:51	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 17:51	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 17:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*05/25/24 17:51*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/25/24 17:51*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/25/24 17:51*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/25/24 17:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.9**	**J**	5.0	0.41	ug/L		05/28/24 09:38	05/30/24 01:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 01:30	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 01:30	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 01:30	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 01:30	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 01:30	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 01:30	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 01:30	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 01:30	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 01:30	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 01:30	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 01:30	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 01:30	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 01:30	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 01:30	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*59*		*29 - 129*	*05/28/24 09:38*	*05/30/24 01:30*	*1*
2-Fluorobiphenyl	*63*		*53 - 126*	*05/28/24 09:38*	*05/30/24 01:30*	*1*

Client Sample ID: MW-9111S
Lab Sample ID: 480-220181-5

Date Collected: 05/21/24 14:25
Matrix: WG
Date Received: 05/23/24 09:15

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl-d14 (Surr)	*48*		*33 - 132*	*05/28/24 09:38*	*05/30/24 01:30*	*1*

Client Sample ID: MW-9112D
Lab Sample ID: 480-220181-6

Date Collected: 05/21/24 12:15
Matrix: WG
Date Received: 05/23/24 09:15

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			05/25/24 18:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 18:13	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 18:13	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 18:13	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 18:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*05/25/24 18:13*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*05/25/24 18:13*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/25/24 18:13*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/25/24 18:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 01:58	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 01:58	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 01:58	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 01:58	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 01:58	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 01:58	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 01:58	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 01:58	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 01:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 01:58	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 01:58	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 01:58	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 01:58	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 01:58	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 01:58	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*05/28/24 09:38*	*05/30/24 01:58*	*1*
2-Fluorobiphenyl	*59*		*53 - 126*	*05/28/24 09:38*	*05/30/24 01:58*	*1*
p-Terphenyl-d14 (Surr)	*63*		*33 - 132*	*05/28/24 09:38*	*05/30/24 01:58*	*1*

Client Sample ID: MW-9112S
Lab Sample ID: 480-220181-7

Date Collected: 05/21/24 11:20
Matrix: WG
Date Received: 05/23/24 09:15

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			05/25/24 18:35	1

Client Sample ID: MW-9112S
Date Collected: 05/21/24 11:20
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-7
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 18:35	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 18:35	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 18:35	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 18:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/25/24 18:35*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*05/25/24 18:35*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/25/24 18:35*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/25/24 18:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 02:26	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 02:26	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 02:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 02:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 02:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 02:26	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 02:26	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 02:26	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 02:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 02:26	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 02:26	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 02:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 02:26	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 02:26	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 02:26	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*51*		*29 - 129*	*05/28/24 09:38*	*05/30/24 02:26*	*1*
2-Fluorobiphenyl	*58*		*53 - 126*	*05/28/24 09:38*	*05/30/24 02:26*	*1*
p-Terphenyl-d14 (Surr)	*55*		*33 - 132*	*05/28/24 09:38*	*05/30/24 02:26*	*1*

Client Sample ID: MW-9114S
Date Collected: 05/21/24 08:40
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-8
Matrix: WG

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			05/25/24 18:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 18:58	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 18:58	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 18:58	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 18:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/25/24 18:58*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/25/24 18:58*	*1*

Client Sample ID: MW-9114S
Date Collected: 05/21/24 08:40
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-8
Matrix: WG

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/25/24 18:58*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/25/24 18:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 02:54	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 02:54	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 02:54	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 02:54	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 02:54	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 02:54	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 02:54	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 02:54	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 02:54	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 02:54	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 02:54	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 02:54	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 02:54	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 02:54	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 02:54	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*05/28/24 09:38*	*05/30/24 02:54*	*1*
2-Fluorobiphenyl	*56*		*53 - 126*	*05/28/24 09:38*	*05/30/24 02:54*	*1*
p-Terphenyl-d14 (Surr)	*55*		*33 - 132*	*05/28/24 09:38*	*05/30/24 02:54*	*1*

Client Sample ID: MW-9502S
Date Collected: 05/21/24 10:05
Date Received: 05/23/24 09:15

Lab Sample ID: 480-220181-9
Matrix: WG

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			05/25/24 19:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 19:21	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 19:21	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 19:21	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 19:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*05/25/24 19:21*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/25/24 19:21*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*05/25/24 19:21*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/25/24 19:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 03:22	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 03:22	1
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 03:22	1

Client Sample ID: MW-9502S
Lab Sample ID: 480-220181-9

Date Collected: 05/21/24 10:05
Matrix: WG
Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 03:22	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 03:22	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 03:22	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 03:22	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 03:22	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 03:22	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 03:22	1
Fluoranthene	ND		5.0	0.40	ug/L		05/28/24 09:38	05/30/24 03:22	1
Fluorene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 03:22	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 03:22	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 03:22	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 03:22	1
Pyrene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*56*		*29 - 129*	*05/28/24 09:38*	*05/30/24 03:22*	*1*
2-Fluorobiphenyl	*61*		*53 - 126*	*05/28/24 09:38*	*05/30/24 03:22*	*1*
p-Terphenyl-d14 (Surr)	*60*		*33 - 132*	*05/28/24 09:38*	*05/30/24 03:22*	*1*

Client Sample ID: PTMW-0202
Lab Sample ID: 480-220181-10

Date Collected: 05/21/24 12:55
Matrix: WG
Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**8.3**		4.0	1.6	ug/L			05/25/24 19:43	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/25/24 19:43	4
m-Xylene & p-Xylene	ND		8.0	2.6	ug/L			05/25/24 19:43	4
o-Xylene	ND		4.0	3.0	ug/L			05/25/24 19:43	4
Toluene	ND		4.0	2.0	ug/L			05/25/24 19:43	4
Xylenes, Total	ND		8.0	2.6	ug/L			05/25/24 19:43	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/25/24 19:43*	*4*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/25/24 19:43*	*4*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/25/24 19:43*	*4*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/25/24 19:43*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**26**	**F2** J	5.0	0.41	ug/L		05/28/24 09:38	05/29/24 22:40	1
Acenaphthylene	ND	F2 UJ	5.0	0.38	ug/L		05/28/24 09:38	05/29/24 22:40	1
Anthracene	**0.28**	**J F2**	5.0	0.28	ug/L		05/28/24 09:38	05/29/24 22:40	1
Benzo[a]anthracene	ND	F2 UJ	5.0	0.36	ug/L		05/28/24 09:38	05/29/24 22:40	1
Benzo[a]pyrene	ND	F2	5.0	0.47	ug/L		05/28/24 09:38	05/29/24 22:40	1
Benzo[b]fluoranthene	ND	F2	5.0	0.34	ug/L		05/28/24 09:38	05/29/24 22:40	1
Benzo[g,h,i]perylene	ND	F2	5.0	0.35	ug/L		05/28/24 09:38	05/29/24 22:40	1
Benzo[k]fluoranthene	ND	F2	5.0	0.73	ug/L		05/28/24 09:38	05/29/24 22:40	1
Chrysene	ND	F2	5.0	0.33	ug/L		05/28/24 09:38	05/29/24 22:40	1
Dibenz(a,h)anthracene	ND	F2	5.0	0.42	ug/L		05/28/24 09:38	05/29/24 22:40	1
Fluoranthene	**0.51**	**J F2**	5.0	0.40	ug/L		05/28/24 09:38	05/29/24 22:40	1
Fluorene	**4.0**	**J F2**	5.0	0.36	ug/L		05/28/24 09:38	05/29/24 22:40	1

Client Sample ID: PTMW-0202 Lab Sample ID: 480-220181-10

Date Collected: 05/21/24 12:55 **Matrix: WG**

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND	F2 UJ	5.0	0.47	ug/L		05/28/24 09:38	05/29/24 22:40	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/29/24 22:40	1
Phenanthrene	ND	F2 UJ	5.0	0.44	ug/L		05/28/24 09:38	05/29/24 22:40	1
Pyrene	**0.56**	**J F2**	5.0	0.34	ug/L		05/28/24 09:38	05/29/24 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*56*		*29 - 129*	*05/28/24 09:38*	*05/29/24 22:40*	*1*
2-Fluorobiphenyl	*60*		*53 - 126*	*05/28/24 09:38*	*05/29/24 22:40*	*1*
p-Terphenyl-d14 (Surr)	*62*		*33 - 132*	*05/28/24 09:38*	*05/29/24 22:40*	*1*

Client Sample ID: TRIP BLANK Lab Sample ID: 480-220181-11

Date Collected: 05/21/24 00:00 **Matrix: WQ**

Date Received: 05/23/24 09:15

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			05/25/24 20:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 20:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 20:06	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 20:06	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 20:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/25/24 20:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*05/25/24 20:06*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*05/25/24 20:06*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/25/24 20:06*	*1*

Client Sample ID: DUP-052124 Lab Sample ID: 480-220181-12

Date Collected: 05/21/24 00:00 **Matrix: Water**

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7.5**		1.0	0.41	ug/L			05/25/24 20:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/25/24 20:28	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/25/24 20:28	1
o-Xylene	ND		1.0	0.76	ug/L			05/25/24 20:28	1
Toluene	ND		1.0	0.51	ug/L			05/25/24 20:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/25/24 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/25/24 20:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/25/24 20:28*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*05/25/24 20:28*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/25/24 20:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**23**		5.0	0.41	ug/L		05/28/24 09:38	05/30/24 03:50	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/28/24 09:38	05/30/24 03:50	1

Client Sample ID: DUP-052124 Lab Sample ID: 480-220181-12

Date Collected: 05/21/24 00:00 **Matrix: Water**

Date Received: 05/23/24 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.0	0.28	ug/L		05/28/24 09:38	05/30/24 03:50	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/28/24 09:38	05/30/24 03:50	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 03:50	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/28/24 09:38	05/30/24 03:50	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/28/24 09:38	05/30/24 03:50	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/28/24 09:38	05/30/24 03:50	1
Chrysene	ND		5.0	0.33	ug/L		05/28/24 09:38	05/30/24 03:50	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/28/24 09:38	05/30/24 03:50	1
Fluoranthene	**0.48**	**J**	5.0	0.40	ug/L		05/28/24 09:38	05/30/24 03:50	1
Fluorene	**3.6**	**J**	5.0	0.36	ug/L		05/28/24 09:38	05/30/24 03:50	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/28/24 09:38	05/30/24 03:50	1
Naphthalene	ND		5.0	0.76	ug/L		05/28/24 09:38	05/30/24 03:50	1
Phenanthrene	ND		5.0	0.44	ug/L		05/28/24 09:38	05/30/24 03:50	1
Pyrene	**0.50**	**J**	5.0	0.34	ug/L		05/28/24 09:38	05/30/24 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*29 - 129*	*05/28/24 09:38*	*05/30/24 03:50*	*1*
2-Fluorobiphenyl	*58*		*53 - 126*	*05/28/24 09:38*	*05/30/24 03:50*	*1*
p-Terphenyl-d14 (Surr)	*54*		*33 - 132*	*05/28/24 09:38*	*05/30/24 03:50*	*1*

NYSEG Oneonta Former MGP

Data Usability Summary Report

Oneonta Former MGP, New York

Volatile Organic Compounds (VOCs) and Semi-volatile Organic Compounds (SVOCs) Analyses

SDG # 480-225636-1

Analyses Performed By:
Eurofins Buffalo
Amherst NY

Report # 57313R
Review Level: Tier II
Project: 30223880.2

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) # 480-225636-1 for samples collected in association with the NYSEG Oneonta Former MGP Site. The review was conducted as a Tier II 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
MW-8604S	480-225636-1	Water	11/19/2024		X	X
PTMW-0202	480-225636-2	Water	11/19/2024		X	X
MW-8806S	480-225636-3	Water	11/19/2024		X	X
MW-0201	480-225636-4	Water	11/19/2024		X	X
MW-9111S	480-225636-5	Water	11/19/2024		X	X
MW-9112S	480-225636-6	Water	11/19/2024		X	X
MW-9112D	480-225636-7	Water	11/19/2024		X	X
DUP-111924	480-225636-8	Water	11/19/2024	PTMW-0202	X	X
TRIP BLANK	480-225636-9	Water	11/12/2024		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 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.

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.
  - J+ The result was an estimated quantity, but the result may be biased high.
  - 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 Compounds (VOCs) Analyses

1. Holding Times/Preservation

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. 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.

4. 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 sample PTMW-0202. The MS/MSD analysis exhibited recoveries and RPDs within the control limits with the exception noted below.

Sample ID	Compound	MS Recovery	MSD Recovery
PTMW-0202	Benzene	<LL but >10%	<LL but >10%

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an LCS/LCSD 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

5. Laboratory Control Sample (LCS) Analysis

The LCS/LCSD analysis is used to assess the accuracy and precision 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.

The LCS analysis exhibited recoveries within the control limits.

6. 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	Compounds	Sample Result	Duplicate Result	RPD
PTMW-0202 / DUP-111924	Benzene	390	400	2.5%
	Ethylbenzene	5.0 U	1.3	AC
	m-Xylene & p-Xylene	10 U	1.5 J	AC
	o-Xylene	5.1	4.9	AC
	Xylenes, Total	5.1 J	6.4	AC

Note:
AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

7. 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.

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
DUP-111924	Benzene	390 E	400	400 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

8. 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/Preservation		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Rinse 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

Notes:
%RSD = Relative standard deviation
%R = Percent recovery
RPD = Relative percent difference
%D = Percent difference

Semi-volatile Organic Compounds (SVOCs) Analyses

1. Holding Times/Preservation

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. 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.

4. 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 sample PTMW-0202. The MS/MSD analysis exhibited recoveries and RPDs within the control limits.

5. 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.

The LCS analysis exhibited recoveries within the control limits.

6. 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 and 50% for soil 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	Compounds	Sample Result	Duplicate Result	RPD
PTMW-0202 / DUP-111924	Acenaphthene	63	66	4.7%
	Acenaphthylene	0.56 J	5.0 U	AC
	Anthracene	1.2 J	1.3 J	AC
	Fluoranthene	0.95 J	0.97 J	AC
	Fluorene	17	17	AC
	Naphthalene	8.2	8.4	AC
	Phenanthrene	3.1 J	3.1 J	AC
	Pyrene	0.94 J	0.97 J	AC

Notes:
AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

7. 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.

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
PTMW-0202	Acenaphthene	66 E	63	63 D
DUP-111924	Acenaphthene	67 E	66	66 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

8. 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/Preservation		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks/Field blanks	X				X
C. Rinse blank	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	

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	
480-225636-1	11/19/2024	SW846	MW-8604S	Water	Yes	Yes	--
	11/19/2024	SW846	PTMW-0202	Water	No	Yes	VOC- MS/MSD %R
	11/19/2024	SW846	MW-8806S	Water	Yes	Yes	--
	11/19/2024	SW846	MW-0201	Water	Yes	Yes	--
	11/19/2024	SW846	MW-9111S	Water	Yes	Yes	--
	11/19/2024	SW846	MW-9112S	Water	Yes	Yes	--
	11/19/2024	SW846	MW-9112D	Water	Yes	Yes	--
	11/19/2024	SW846	DUP-111924	Water	No	Yes	VOC- MS/MSD %R
	11/19/2024	SW846	TRIP BLANK	Water	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: Amrutha M

SIGNATURE: 

DATE: December 27, 2024

PEER REVIEW: Joe Houser

DATE: December 27, 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

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	Adam Svensson, Robbie Sullivan	Schove, John R	D.up of AF	480-200550-41344.1
Client Contact: Mr. Nicholas Beyrle	Phone: 716-909-9063	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: Ny	Page: Page 1 of 1
Company: Arcadis U.S., Inc.	PWSID:			Job #:
Address: 100 Chestnut Street Suite 1020	Due Date Requested:			
City: Rochester	TAT Requested (days): Standard			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4506125702			
Email: nicholas.beyrle@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL

480-225636 Chain of Custody

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 - PAHs	8260C - BTEX	Total	Special Instructions/Note:
			Preservation Code:				N	A		
MW-8604S	11/19/24	0930	G	Water	N	N	X	X	5	
PTMW-0202	11/19/24	0925	G	Water	N	Y	X	X	15	ms/msd
MW-8806S	11/19/24	1210	G	Water	N	N	X	X	5	
MW-0201	11/19/24	1040	G	Water	N	N	X	X	5	
MW-9111S	11/19/24	1105	G	Water	N	N	X	X	5	
MW-9112S	11/19/24	1230	G	Water	N	N	X	X	5	
MW-9112D	11/19/24	1335	G	Water	N	N	X	X	5	
DUP-111924	11/19/24	—	G	Water	N	N	X	X	5	
Trip Blank	11/12/24	—	G	Water	N	N		X	1	
				Water						
				Water						

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	Company	Received by	Date/Time	Company
1	[signature]	11/20/24 1730	Arcadis	[signature]	11/20/24 17:30	EET
2						
3						

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

Cooler Temperature(s) °C and Other Remarks: 0.1 2.4 2.0 ICE IR#SC

Ver: 10/10/2024

Definitions/Glossary

Client: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
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
E	Result exceeded calibration range.
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

Client Sample ID: MW-8604S

Date Collected: 11/19/24 09:30
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-1
Matrix: WG

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			11/23/24 01:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 01:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 01:39	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 01:39	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 01:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/23/24 01:39*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/23/24 01:39*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/23/24 01:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/23/24 01:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/21/24 13:42	11/22/24 22:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/22/24 22:18	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/22/24 22:18	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 22:18	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 22:18	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 22:18	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/22/24 22:18	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/22/24 22:18	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/22/24 22:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/22/24 22:18	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/22/24 22:18	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 22:18	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 22:18	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/22/24 22:18	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/22/24 22:18	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*69*		*29 - 129*	*11/21/24 13:42*	*11/22/24 22:18*	*1*
2-Fluorobiphenyl	*79*		*53 - 126*	*11/21/24 13:42*	*11/22/24 22:18*	*1*
p-Terphenyl-d14 (Surr)	*88*		*33 - 132*	*11/21/24 13:42*	*11/22/24 22:18*	*1*

Client Sample ID: PTMW-0202

Date Collected: 11/19/24 09:25
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-2
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**390**	~~F1~~ J	5.0	2.1	ug/L			11/23/24 13:14	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/23/24 13:14	5
m-Xylene & p-Xylene	ND		10	3.3	ug/L			11/23/24 13:14	5
o-Xylene	**5.1**		5.0	3.8	ug/L			11/23/24 13:14	5
Toluene	ND		5.0	2.6	ug/L			11/23/24 13:14	5
Xylenes, Total	**5.1**	**J**	10	3.3	ug/L			11/23/24 13:14	5

Client Sample ID: PTMW-0202

Date Collected: 11/19/24 09:25
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-2

Matrix: WG

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		11/23/24 13:14	5
4-Bromofluorobenzene (Surr)	104		73 - 120		11/23/24 13:14	5
Dibromofluoromethane (Surr)	105		75 - 123		11/23/24 13:14	5
Toluene-d8 (Surr)	103		80 - 120		11/23/24 13:14	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	66	E	5.0	0.41	ug/L		11/21/24 13:42	11/22/24 20:58	1
Acenaphthylene	0.56	J	5.0	0.38	ug/L		11/21/24 13:42	11/22/24 20:58	1
Anthracene	1.2	J	5.0	0.28	ug/L		11/21/24 13:42	11/22/24 20:58	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 20:58	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 20:58	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 20:58	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/22/24 20:58	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/22/24 20:58	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/22/24 20:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/22/24 20:58	1
Fluoranthene	0.95	J	5.0	0.40	ug/L		11/21/24 13:42	11/22/24 20:58	1
Fluorene	17		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 20:58	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 20:58	1
Naphthalene	8.2		5.0	0.76	ug/L		11/21/24 13:42	11/22/24 20:58	1
Phenanthrene	3.1	J	5.0	0.44	ug/L		11/21/24 13:42	11/22/24 20:58	1
Pyrene	0.94	J	5.0	0.34	ug/L		11/21/24 13:42	11/22/24 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	66		29 - 129	11/21/24 13:42	11/22/24 20:58	1
2-Fluorobiphenyl	79		53 - 126	11/21/24 13:42	11/22/24 20:58	1
p-Terphenyl-d14 (Surr)	89		33 - 132	11/21/24 13:42	11/22/24 20:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	63	D	25	2.1	ug/L		11/21/24 13:42	11/25/24 14:10	5
Acenaphthylene	ND		25	1.9	ug/L		11/21/24 13:42	11/25/24 14:10	5
Anthracene	1.4	J	25	1.4	ug/L		11/21/24 13:42	11/25/24 14:10	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/21/24 13:42	11/25/24 14:10	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/21/24 13:42	11/25/24 14:10	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/21/24 13:42	11/25/24 14:10	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/21/24 13:42	11/25/24 14:10	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/21/24 13:42	11/25/24 14:10	5
Chrysene	ND		25	1.7	ug/L		11/21/24 13:42	11/25/24 14:10	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/21/24 13:42	11/25/24 14:10	5
Fluoranthene	ND		25	2.0	ug/L		11/21/24 13:42	11/25/24 14:10	5
Fluorene	15	J	25	1.8	ug/L		11/21/24 13:42	11/25/24 14:10	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/21/24 13:42	11/25/24 14:10	5
Naphthalene	8.3	J	25	3.8	ug/L		11/21/24 13:42	11/25/24 14:10	5
Phenanthrene	2.9	J	25	2.2	ug/L		11/21/24 13:42	11/25/24 14:10	5
Pyrene	ND		25	1.7	ug/L		11/21/24 13:42	11/25/24 14:10	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	59		29 - 129	11/21/24 13:42	11/25/24 14:10	5
2-Fluorobiphenyl	75		53 - 126	11/21/24 13:42	11/25/24 14:10	5

Client Sample ID: PTMW-0202

Lab Sample ID: 480-225636-2
Matrix: WG
Date Collected: 11/19/24 09:25
Date Received: 11/20/24 17:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	*80*		*33 - 132*	*11/21/24 13:42*	*11/25/24 14:10*	*5*

Client Sample ID: MW-8806S

Lab Sample ID: 480-225636-3
Matrix: WG
Date Collected: 11/19/24 12:10
Date Received: 11/20/24 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.43**	**J**	1.0	0.41	ug/L			11/23/24 13:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 13:36	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 13:36	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 13:36	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 13:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/23/24 13:36*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/23/24 13:36*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*11/23/24 13:36*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/24 13:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/21/24 13:42	11/22/24 22:44	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/22/24 22:44	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/22/24 22:44	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 22:44	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 22:44	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 22:44	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/22/24 22:44	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/22/24 22:44	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/22/24 22:44	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/22/24 22:44	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/22/24 22:44	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 22:44	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 22:44	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/22/24 22:44	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/22/24 22:44	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*67*		*29 - 129*	*11/21/24 13:42*	*11/22/24 22:44*	*1*
2-Fluorobiphenyl	*78*		*53 - 126*	*11/21/24 13:42*	*11/22/24 22:44*	*1*
p-Terphenyl-d14 (Surr)	*85*		*33 - 132*	*11/21/24 13:42*	*11/22/24 22:44*	*1*

Client Sample ID: MW-0201

Date Collected: 11/19/24 10:40
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-4

Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**36**		2.0	0.82	ug/L			11/23/24 02:46	2
Ethylbenzene	**20**		2.0	1.5	ug/L			11/23/24 02:46	2
m-Xylene & p-Xylene	**3.1**	**J**	4.0	1.3	ug/L			11/23/24 02:46	2
o-Xylene	**25**		2.0	1.5	ug/L			11/23/24 02:46	2
Toluene	**1.5**	**J**	2.0	1.0	ug/L			11/23/24 02:46	2
Xylenes, Total	**28**		4.0	1.3	ug/L			11/23/24 02:46	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*11/23/24 02:46*	*2*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/23/24 02:46*	*2*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/23/24 02:46*	*2*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/23/24 02:46*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		25	2.1	ug/L		11/21/24 13:42	11/22/24 23:11	5
Acenaphthylene	ND		25	1.9	ug/L		11/21/24 13:42	11/22/24 23:11	5
Anthracene	ND		25	1.4	ug/L		11/21/24 13:42	11/22/24 23:11	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/21/24 13:42	11/22/24 23:11	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/21/24 13:42	11/22/24 23:11	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/21/24 13:42	11/22/24 23:11	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/21/24 13:42	11/22/24 23:11	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/21/24 13:42	11/22/24 23:11	5
Chrysene	ND		25	1.7	ug/L		11/21/24 13:42	11/22/24 23:11	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/21/24 13:42	11/22/24 23:11	5
Fluoranthene	ND		25	2.0	ug/L		11/21/24 13:42	11/22/24 23:11	5
Fluorene	ND		25	1.8	ug/L		11/21/24 13:42	11/22/24 23:11	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/21/24 13:42	11/22/24 23:11	5
Naphthalene	**140**		25	3.8	ug/L		11/21/24 13:42	11/22/24 23:11	5
Phenanthrene	ND		25	2.2	ug/L		11/21/24 13:42	11/22/24 23:11	5
Pyrene	ND		25	1.7	ug/L		11/21/24 13:42	11/22/24 23:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*56*		*29 - 129*	*11/21/24 13:42*	*11/22/24 23:11*	*5*
2-Fluorobiphenyl	*65*		*53 - 126*	*11/21/24 13:42*	*11/22/24 23:11*	*5*
p-Terphenyl-d14 (Surr)	*66*		*33 - 132*	*11/21/24 13:42*	*11/22/24 23:11*	*5*

Client Sample ID: MW-9111S

Date Collected: 11/19/24 11:05
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-5

Matrix: WG

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			11/23/24 03:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 03:08	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 03:08	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 03:08	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 03:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 03:08	1

Client Sample ID: MW-9111S

Date Collected: 11/19/24 11:05
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-5
Matrix: WG

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/23/24 03:08*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/23/24 03:08*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*11/23/24 03:08*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/23/24 03:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**3.5**	**J**	5.0	0.41	ug/L		11/21/24 13:42	11/22/24 23:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/22/24 23:37	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/22/24 23:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 23:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 23:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 23:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/22/24 23:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/22/24 23:37	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/22/24 23:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/22/24 23:37	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/22/24 23:37	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/22/24 23:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/22/24 23:37	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/22/24 23:37	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/22/24 23:37	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/22/24 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*68*		*29 - 129*	*11/21/24 13:42*	*11/22/24 23:37*	*1*
2-Fluorobiphenyl	*81*		*53 - 126*	*11/21/24 13:42*	*11/22/24 23:37*	*1*
p-Terphenyl-d14 (Surr)	*88*		*33 - 132*	*11/21/24 13:42*	*11/22/24 23:37*	*1*

Client Sample ID: MW-9112S

Date Collected: 11/19/24 12:30
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-6
Matrix: WG

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			11/23/24 03:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 03:30	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 03:30	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 03:30	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 03:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/23/24 03:30*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/23/24 03:30*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/23/24 03:30*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/24 03:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/21/24 13:42	11/23/24 00:04	1

Client Sample ID: MW-9112S

Lab Sample ID: 480-225636-6

Date Collected: 11/19/24 12:30

Matrix: WG

Date Received: 11/20/24 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/23/24 00:04	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/23/24 00:04	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:04	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:04	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:04	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/23/24 00:04	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/23/24 00:04	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/23/24 00:04	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/23/24 00:04	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/23/24 00:04	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:04	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:04	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/23/24 00:04	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/23/24 00:04	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*29 - 129*	*11/21/24 13:42*	*11/23/24 00:04*	*1*
2-Fluorobiphenyl	*71*		*53 - 126*	*11/21/24 13:42*	*11/23/24 00:04*	*1*
p-Terphenyl-d14 (Surr)	*75*		*33 - 132*	*11/21/24 13:42*	*11/23/24 00:04*	*1*

Client Sample ID: MW-9112D

Lab Sample ID: 480-225636-7

Date Collected: 11/19/24 13:35

Matrix: WG

Date Received: 11/20/24 17:30

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			11/23/24 03:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 03:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 03:52	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 03:52	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 03:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/23/24 03:52*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/23/24 03:52*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*11/23/24 03:52*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/24 03:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/21/24 13:42	11/23/24 00:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/23/24 00:30	1
Anthracene	ND		5.0	0.28	ug/L		11/21/24 13:42	11/23/24 00:30	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:30	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:30	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:30	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/23/24 00:30	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/23/24 00:30	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/23/24 00:30	1

Client Sample ID: MW-9112D

Date Collected: 11/19/24 13:35
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-7

Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/23/24 00:30	1
Fluoranthene	ND		5.0	0.40	ug/L		11/21/24 13:42	11/23/24 00:30	1
Fluorene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:30	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:30	1
Naphthalene	ND		5.0	0.76	ug/L		11/21/24 13:42	11/23/24 00:30	1
Phenanthrene	ND		5.0	0.44	ug/L		11/21/24 13:42	11/23/24 00:30	1
Pyrene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*68*		*29 - 129*	*11/21/24 13:42*	*11/23/24 00:30*	*1*
2-Fluorobiphenyl	*78*		*53 - 126*	*11/21/24 13:42*	*11/23/24 00:30*	*1*
p-Terphenyl-d14 (Surr)	*90*		*33 - 132*	*11/21/24 13:42*	*11/23/24 00:30*	*1*

Client Sample ID: DUP-111924

Date Collected: 11/19/24 00:00
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-8

Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
~~Benzene~~	~~350~~	~~E~~	~~1.0~~	~~0.41~~	~~ug/L~~			~~11/23/24 04:14~~	~~1~~
Ethylbenzene	**1.3**		1.0	0.74	ug/L			11/23/24 04:14	1
m-Xylene & p-Xylene	**1.5**	**J**	2.0	0.66	ug/L			11/23/24 04:14	1
o-Xylene	**4.9**		1.0	0.76	ug/L			11/23/24 04:14	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 04:14	1
Xylenes, Total	**6.4**		2.0	0.66	ug/L			11/23/24 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/23/24 04:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/23/24 04:14*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*11/23/24 04:14*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/23/24 04:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**400**	D J	8.0	3.3	ug/L			11/23/24 13:58	8
~~Ethylbenzene~~	~~ND~~		~~8.0~~	~~5.9~~	~~ug/L~~			~~11/23/24 13:58~~	~~8~~
~~m-Xylene & p-Xylene~~	~~ND~~		~~16~~	~~5.3~~	~~ug/L~~			~~11/23/24 13:58~~	~~8~~
~~o-Xylene~~	~~ND~~		~~8.0~~	~~6.1~~	~~ug/L~~			~~11/23/24 13:58~~	~~8~~
~~Toluene~~	~~ND~~		~~8.0~~	~~4.1~~	~~ug/L~~			~~11/23/24 13:58~~	~~8~~
~~Xylenes, Total~~	~~ND~~		~~16~~	~~5.3~~	~~ug/L~~			~~11/23/24 13:58~~	~~8~~

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/23/24 13:58*	*8*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/23/24 13:58*	*8*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/23/24 13:58*	*8*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/23/24 13:58*	*8*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
~~Acenaphthene~~	~~67~~	~~E~~	~~5.0~~	~~0.41~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/23/24 00:57~~	~~1~~
Acenaphthylene	ND		5.0	0.38	ug/L		11/21/24 13:42	11/23/24 00:57	1

Client Sample ID: DUP-111924

Date Collected: 11/19/24 00:00
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-8
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**1.3**	**J**	5.0	0.28	ug/L		11/21/24 13:42	11/23/24 00:57	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:57	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:57	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:57	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/21/24 13:42	11/23/24 00:57	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/21/24 13:42	11/23/24 00:57	1
Chrysene	ND		5.0	0.33	ug/L		11/21/24 13:42	11/23/24 00:57	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/21/24 13:42	11/23/24 00:57	1
Fluoranthene	**0.97**	**J**	5.0	0.40	ug/L		11/21/24 13:42	11/23/24 00:57	1
Fluorene	**17**		5.0	0.36	ug/L		11/21/24 13:42	11/23/24 00:57	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/21/24 13:42	11/23/24 00:57	1
Naphthalene	**8.4**		5.0	0.76	ug/L		11/21/24 13:42	11/23/24 00:57	1
Phenanthrene	**3.1**	**J**	5.0	0.44	ug/L		11/21/24 13:42	11/23/24 00:57	1
Pyrene	**0.97**	**J**	5.0	0.34	ug/L		11/21/24 13:42	11/23/24 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*65*		*29 - 129*	*11/21/24 13:42*	*11/23/24 00:57*	*1*
2-Fluorobiphenyl	*78*		*53 - 126*	*11/21/24 13:42*	*11/23/24 00:57*	*1*
p-Terphenyl-d14 (Surr)	*84*		*33 - 132*	*11/21/24 13:42*	*11/23/24 00:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**66**	D	25	2.1	ug/L		11/21/24 13:42	11/25/24 14:36	5
~~Acenaphthylene~~	~~ND~~		~~25~~	~~1.9~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Anthracene~~	~~ND~~		~~25~~	~~1.4~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Benzo[a]anthracene~~	~~ND~~		~~25~~	~~1.8~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Benzo[a]pyrene~~	~~ND~~		~~25~~	~~2.4~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Benzo[b]fluoranthene~~	~~ND~~		~~25~~	~~1.7~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Benzo[g,h,i]perylene~~	~~ND~~		~~25~~	~~1.8~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Benzo[k]fluoranthene~~	~~ND~~		~~25~~	~~3.7~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Chrysene~~	~~ND~~		~~25~~	~~1.7~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Dibenz(a,h)anthracene~~	~~ND~~		~~25~~	~~2.1~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Fluoranthene~~	~~ND~~		~~25~~	~~2.0~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~**Fluorene**~~	~~**15**~~	~~**J**~~	~~25~~	~~1.8~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Indeno[1,2,3-cd]pyrene~~	~~ND~~		~~25~~	~~2.4~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~**Naphthalene**~~	~~**7.9**~~	~~**J**~~	~~25~~	~~3.8~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~**Phenanthrene**~~	~~**2.9**~~	~~**J**~~	~~25~~	~~2.2~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~
~~Pyrene~~	~~ND~~		~~25~~	~~1.7~~	~~ug/L~~		~~11/21/24 13:42~~	~~11/25/24 14:36~~	~~5~~

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*58*		*29 - 129*	*11/21/24 13:42*	*11/25/24 14:36*	*5*
2-Fluorobiphenyl	*76*		*53 - 126*	*11/21/24 13:42*	*11/25/24 14:36*	*5*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*	*11/21/24 13:42*	*11/25/24 14:36*	*5*

Client Sample ID: TRIP BLANK

Date Collected: 11/12/24 00:00
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-9
Matrix: WQ

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			11/23/24 04:36	1

Client: New York State Electric & Gas
Project/Site: NYSEG - Oneonta Former MGP

Job ID: 480-225636-1

Client Sample ID: TRIP BLANK
Date Collected: 11/12/24 00:00
Date Received: 11/20/24 17:30

Lab Sample ID: 480-225636-9
Matrix: WQ

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			11/23/24 04:36	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/23/24 04:36	1
o-Xylene	ND		1.0	0.76	ug/L			11/23/24 04:36	1
Toluene	ND		1.0	0.51	ug/L			11/23/24 04:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/23/24 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/23/24 04:36*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/23/24 04:36*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*11/23/24 04:36*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/23/24 04:36*	*1*

Appendix E

Field Sampling Logs

GROUNDWATER SAMPLING LOG

Site Former MGP — **NYSEG Oneonta, NY** — **Event:** 2024 GW Sampling

Sampling Personnel: Nailey Kudla-Williams/Kaitlyn Fleming
Well ID MW 0201S
Client / Job Number: NYSEG / 30172769
Date: 5/31/2024
Weather: 80°F, Sun
Time In: 1300 **Time Out:** 1530

Well Information

Depth to Water:	6.68	(feet TIC)
Total Depth:	19.68	(feet TIC)
Length of Water Column:	13.00	(feet)
Volume of Water in Well:	2.119	(gal)
Screen Interval:	n/a	(feet)
Depth to pump Intake:	~18	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	(Yes)	No	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	VOC Only (Bailer)	(Penstaltic)	Grundfos	Other:
Duration of Pumping:	130 (min)			
Average Pumping Rate:	150 (ml/min)	Water-Quality Meter Type:	YSI/~~Lamotte 2020~~	
Total Volume Removed:	5.0 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	1315	1320	1325	1330	1335	1340	1345	350	1355	1400	405	1410	1415
Volume Purged (gal)	Pump		0.5		1.0		1.75			1.75		2.0	
Rate (mL/min)	on	250	150	150	150	150	150	150	150	50	150	150	150
Depth to Water (ft.)	6.68	7.95	~~7.65~~	7.75	7.62	7.70	7.70	7.75	7.80	7.82	7.85	7.85	7.85
pH		7.71	7.68	7.68	7.8	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
Temp. (C)		12.3	13.1	13.2	13.4	13.3	13.1	13.5	13.2	13.2	13.1	13.3	13.5
Conductivity (mS/cm)		0.602	0.600	0.604	0.607	0.612	0.617	0.620	0.623	0.626	0.631	0.631	0.630
Dissolved Oxygen (mg/l)		1.96	1.44	1.17	1.06	0.99	0.95	0.90	0.88	0.86	0.84	0.82	0.81
ORP (mV)		202.6	199.2	1	.2	182.9	5		1.09	51.	138.7	130.7	21.
Turbidity (NTU)		0.21	0.0	1.99	1.52	3.17	4.98	4.53	0.0	0.0	0.0	0.83	0.0
Notes:		clear no odor	7.85 DTW					ORP: 169.7					

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Sample ID: MW-0201		Sample Time: 1520
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID		Dup. Time:
Chain of Custody Signed By:	BKW	

Problems / Observations

Initial Purge: Pump on 1315: clear, no odor

Final Purge: Pump off 1525: clear, no odor

GROUNDWATER SAMPLING LOG

Site Former MGP — **NYSEG Oneonta, NY** — **Event:** 2024 GW Sampling

Sampling Personnel: Nailey Kudla-Williams/Kaitlyn Fleming — **Well ID:** MW 0201

Client / Job Number: NYSEG / 30172769 — **Date:** 5/21/2024

Weather: — **Time In:** — **Time Out:**

Well Information

Depth to Water:	(feet TIC)	Well Type:	Flushmount	Stick-Up
Total Depth:	(feet TIC)	Well Material:	Stainless Steel	PVC
Length of Water Column:	(feet)	Well Locked:	Yes	No
Volume of Water in Well:	(gal)	Measuring Point Marked:	Yes	No
Screen Interval:	(feet)	Well Diameter:	1" 2"	Other:
Depth to pump Intake:	(feet TIC)			

Purging Information

See Page 1

Purging Method:	Bailer	Peristaltic	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	Polyethylene	Teflon	Other:
Sampling Method: (VOC Only)	Bailer	Peristaltic	Grundfos	Other:
Duration of Pumping:	(min)			
Average Pumping Rate:	(ml/min)	Water-Quality Meter Type:	YSI/Lamotte 2020	
Total Volume Removed:	(gal)	Did well go dry:	Yes	No

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	1420	1425	1430	1435	440	1445	1450	1455	1500	1505	1510	1515	1520
Volume Purged (gal)	2.75	3.0		3.5		4.0		4.5		4.75			5.0
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	150	150	S
Depth to Water (ft.)	7.88	7.91	7.93	7.88	7.75	7.76	7.78	7.76	7.76	7.79	7.80	7.79	A
pH	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	M
Temp. (C)	13.3	13.1	13.3	13.5	13.6	13.4	13.5	13.5	13.4	13.1	13.2	13.3	P
Conductivity (mS/cm)	0.633	0.630	0.630	0.632	0.632	0.631	0.632	0.631	0.632	0.633	0.633	0.633	L
Dissolved Oxygen (mg/l)	0.79	0.78	0.78	0.77	0.76	0.77	0.82	0.77	0.76	0.75	0.74	0.73	E
ORP (mV)	109.6	99.3	90.1	75.3	67.8	57.0	48.2	39.7	31.2	22.1	18.1	12.2	D
Turbidity (NTU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Notes:	clear no odor												>

Sampling Information

Analyses	#	Laboratory
BTEXs		Buffalo-Test America
PAHs		Buffalo-Test America
Sample ID:		Sample Time:
MS/MSD:	Yes	No
Duplicate:	Yes	No
Duplicate ID		Dup. Time
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge:

See page 1

GROUNDWATER SAMPLING LOG

Site Former MGP — NYSEG Oneonta, NY — Event: 2024 GW Sampling

Sampling Personnel: Nail e Kudla-Williams/Ka ittlyn Fleming
Well ID: MW-020 3
Client / Job Number: NYSEG / 30172769
Date: 5/21/2024
Weather: Partly cloudy, 75°
Time In: 1030 Time Out: 1130

Well Information

Depth to Water:	4.02	(feet TIC)
Total Depth:	30.16	(feet TIC)
Length of Water Column:	26.14	(feet)
Volume of Water in Well:	4.26	(gal)
Screen Interval:	NA	(feet)
Depth to pump Intake:	~29.0	(feet TIC)

Well Type:	Flu: hmount	Stick-Up	
Well Material:	Stainless Steel	PVC	
Well Locked:	Yes	(No)	
Measuring Point Marked:	Yes	(No)	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method: VOC Only	(Bailer)	(Peristaltic)	Grundfos	Other:
Duration of Pumping:	45 (min)			
Average Pumping Rate:	150 (ml/min)	Water-Quality Meter Type:	YSI/~~Lemotte 2020~~	
Total Volume Removed:	1.7 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1045	1050	1055	1100	1105	1110	1115						
Volume Purged (gal)		0.5			1.0		S						
Rate (mL/min)	150	150	150	150	150	150	A						
Depth to Water (ft.)	4.04	4.04	4.04	4.04	4.04	4.04	M						
pH	6.49	6.41	6.39	6.37	6.37	6.36	P						
Temp. (C)	11.9	11.5	11.6	11.8	11.8	11.5	L						
Conductivity (mS/cm)	0.895	0.998	1.001	1.003	1.005	1.007	E						
Dissolved Oxygen (mg/l)	3.05	2.61	2.32	2.16	2.05	1.97	↓						
ORP (mV)	118.0	116.8	115.0	113.7	112.8	112.1							
Turbidity (NTU)	0.00	0.00	0.00	0.00	0.00	0.00							
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Sample ID: MW-0203	Sample Time: 1115	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID: —	Dup. Time: —	
Chain of Custody Signed By:	KCF	

Problems / Observations

Initial Purge:

Pump on @ 1040 ; clear, no odor

Final Purge:

Pump off @ 1125 ; clear, no odor

GROUNDWATER SAMPLING LOG

Site Former MGP — **NYSEG Oneonta, NY** — **Event: 2024 GW Sampling**

Sampling Personnel: Nailey Kudla-Williams/Kitlyn Flemming — **Well ID:** MW 8604S
Client / Job Number: NYSEG / 30172769 — **Date:** 5/21/2024
Weather: ~70°F, Sun — **Time In:** 0845 — **Time Out:** 1000

Well Information

Depth to Water	9.55	(feet TIC)
Total Depth:	20.07	(feet TIC)
Length of Water Column:	10.52	(feet)
Volume of Water in Well:	1.71	(gal)
Screen Interval:	n/a	(feet)
Depth to pump Intake:	~18	(feet TIC)

Well Type	Flushmount	(Stick-Up)	
Well Material:	(Stainless Steel)	PVC	
Well Locked:	(Yes)	No	
Measuring Point Marked:	Yes	(No)	
Well Diameter:	1"	(2")	Other

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method: VOC Only	(Bailer)	(Peristaltic)	Grundfos	Other:
Duration of Pumping:	56 (min)			
Average Pumping Rate:	100 (ml/min)	Water-Quality Meter Type:	YSI/~~Lamotte 2020~~	
Total Volume Removed:	1.25 (gal)	Did well go dry:	Yes	(No)

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	0900	0905	0910	0915	0920	0925	0930	0935	0940	0945	0950		
Volume Purged (gal)	Pump		0.25		0.5		0.75		1.0		1.25		
Rate (mL/min)	on	100	100	100	100	100	100	100	100	100	S		
Depth to Water (ft.)	9.55	9.84	10.00	10.08	10.12	10.30	10.43	10.53	10.60	10.61	A		
pH	|	6.86	6.74	6.69	6.67	6.58	6.54	6.50	6.51	6.53	M		
Temp. (C)	|	13.1	13.5	14.3	14.4	14.3	14.1	13.6	14.1	13.9	P		
Conductivity (mS/cm)	|	0.506	0.495	0.490	0.491	0.506	0.527	0.555	0.554	0.548	L		
Dissolved Oxygen (mg/l)	|	2.81	1.66	1.33	1.27	1.22	1.20	1.09	1.05	.99	E		
ORP (mV)	|	169.8	169.5	169.0	168.6	170.7	170.7	169.7	168.5	167.2	D		
Turbidity (NTU)	|	27.98	25.81	26.51	18.72	11.24	6.40	2.79	2.43	1.24	—		
Notes:	|	clear no odor									→		

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Sample ID: MW-8604S		Sample Time: 0950
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By:	BKW	

Problems / Observations

Initial Purge: Pump on at 0900: cloudy, no odor

Final Purge: Pump off at 0956: clear, no odor

GROUNDWATER SAMPLING LOG

Site Former MGP — **NYSEG Oneonta, NY** — **Event:** 2024 GW Sampling

Sampling Personnel: Nataley Kudla-Williams/Kaitlyn Fleming
Well ID: MW-8065
Client / Job Number: NYSEG / 30172769
Date: 5/21/2024
Weather: ~65°F, Sun
Time In: 0730 **Time Out:** 0845

Well Information

Depth to Water:	5.47	(feet TIC)
Total Depth:	19.25	(feet TIC)
Length of Water Column:	13.78	(feet)
Volume of Water in Well:	2.25	(gal)
Screen Interval:	n/a	(feet)
Depth to pump Intake	~18	(feet TIC)

Well Type:	(Flushmount)	Stick-Up
Well Material:	(Stainless Steel)	PVC
Well Locked:	Yes	(No)
Measuring Point Marked:	(Yes)	No
Well Diameter:	1"	(2") Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method: VOC Only	(Bailer)	(Peristaltic)	Grundfos	Other:
Duration of Pumping:	47 (min)			
Average Pumping Rate:	200 (ml/min)	Water-Quality Meter Type:	YSI/~~Lamotte 2020~~	
Total Volume Removed:	2.25 (gal)	Did well go dry:	Yes	(No)

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	0750	0755	0800	0805	0810	0815	0820	0825	0830	0835			
Volume Purged (gal)	Pump	2006	2006	0.75	1.0	1.25	1.5	1.75	2.0	2.25			
Rate (mL/min)	on	0.25L	0.5L	200	200	200	200	200	200	S			
Depth to Water (ft.)	5.47	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	A			
pH		6.97	6.87	6.79	6.55	6.46	6.44	6.43	6.43	m			
Temp. (C)		12.4	12.4	12.4	12.4	12.6	12.7	12.8	12.7	P			
Conductivity (mS/cm)		0.613	0.609	0.586	0.484	0.446	0.430	0.425	0.421	L			
Dissolved Oxygen (mg/l)		2.27	1.54	1.45	1.89	2.30	2.33	2.30	2.30	E			
ORP (mV)		136.6	140.0	140.3	144.3	149.6	151.7	152.8	153.7	D			
Turbidity (NTU)		33.64	32.40	30.30	30.26	17.05	0.86	0.0	0.0	—			
Notes		clear, no odor								>			

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Sample ID: MW-8806S		Sample Time: 0835
MS/MSD:	Yes	(No)
Duplicate:	Yes	(No)
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By:	BKW	

Problems / Observations

Initial Purge: Pump on at 0750: clear, no odor

Final Purge: Pump off at 0837: clear, no odor

GROUNDWATER SAMPLING LOG

Site Former MGP — NYSEG Oneonta, NY — Event: 2024 GW Sampling

Sampling Personnel: Nailey Kudla-Williams/Kaitlyn Fleming
Well ID: MW-9111S
Client / Job Number: NYSEG / 30172769
Date: 5/21/2024
Weather: Sunny, 78°
Time In: 1320 Time Out: 1440

Well Information

Depth to Water:	4.09	(feet TIC)
Total Depth	15.57	(feet TIC)
Length of Water Column:	11.48	(feet)
Volume of Water in Well:	1.87	(gal)
Screen Interval:	NA	(feet)
Depth to pump intake:	~14.5	(feet TIC)

Well Type:	(Flushmount)	Stick-Up
Well Material:	Stainless Steel	(PVC)
Well Locked	Yes	(No)
Measuring Point Marked:	Yes	(No)
Well Diameter:	1"	(2") Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method: VOC Only	(Bailer)	(Peristaltic)	Grundfos	Other:
Duration of Pumping:	60 (min)			
Average Pumping Rate:	150 (ml/min)	Water-Quality Meter Type:	YSI ~~Lamotte 2020~~	
Total Volume Removed:	1.7 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	1340	1345	1350	1355	1400	1405	1410	1415	1420	1425			
Volume Purged (gal)			0.5			1.0			1.5	S			
Rate (mL/min)	150	150	150	150	150	150	150	150	150	A			
Depth to Water (ft.)	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	M			
pH	6.73	6.53	6.51	6.50	6.50	6.49	6.50	6.50	6.50	P			
Temp. (C)	13.4	12.4	12.2	12.1	12.0	12.0	12.0	12.1	12.1	L			
Conductivity (mS/cm)	0.626	0.631	0.629	0.632	0.630	0.631	0.627	0.625	0.623	E			
Dissolved Oxygen (mg/l)	4.52	2.22	1.77	1.48	1.32	1.22	1.16	1.10	1.07	↓			
ORP (mV)	58.1	35.5	27.4	19.1	13.4	8.1	3.2	-0.4	-3.3				
Turbidity (NTU)	3.74	2.93	3.22	2.96	2.04	1.17	1.14	1.84	2.74	↓			
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Sample ID: MW-9111S	Sample Time: 1425	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By:	KCF	

Problems / Observations

Initial Purge:

Pump on @ 1335 ; some orange susp. sediment, no odor

Final Purge:

Pump off @ 1435 ; clear, no odor

GROUNDWATER SAMPLING LOG

Site Former MGP — NYSEG Oneonta, NY — Event: 2024 GW Sampling

Sampling Personnel: Nailey Kudla-Williams/Kaitlyn Fleming
Well ID: MW-9112S
Client / Job Number: NYSEG / 30172769
Date: 5/21/2024
Weather: 75°F, Sun
Time In: 1015 Time Out: 1130

Well Information

Depth to Water:	5.38	(feet TIC)
Total Depth:	9.57	(feet TIC)
Length of Water Column:	4.19	(feet)
Volume of Water in Well:	0.68	(gal)
Screen Interval:	n/a	(feet)
Depth to pump Intake:	~8	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	(Yes)	No	
Measuring Point Marked:	Yes	(No)	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Penstaltic)	Grundfos	Other:
Tubing/Bailer Material:	St Steel	(Polyethylene)	Teflon	Other:
Sampling Method: (VOC Only)	(Bailer)	(Peristaltic)	Grundfos	Other:
Duration of Pumping:	60 (min)			
Average Pumping Rate:	175 (ml/min)	Water-Quality Meter Type:	YSI~~Lamotte 2020~~	
Total Volume Removed:	2.5 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	1025	030	1035	1040	1045	1050	1055	1100	1105	1110	1115	1120	
Volume Purged (gal)	Pump		0.5		1.0		1.5			2.0		2.5	
Rate (mL/min)	on	175	175	175	175	175	175	175	175	175	175	S	
Depth to Water (ft.)	5.38	6.22	6.3	6.31	6.31	6.31	6.31	6.28	6.29	6.29	6.29	A	
pH	|	6.40	6.35	6.33	6.33	6.33	6.33	6.35	6.35	6.35	6.36	m	
Temp. (C)	|	12.8	12.9	13.0	12.8	13.0	13.1	13.3	13.2	13.3	13.0	P	
Conductivity (mS/cm)	|	0.409	0.468	0.533	0.580	0.630	0.654	0.663	0.684	0.694	0.702	L	
Dissolved Oxygen (mg/l)	|	2.33	1.73	1.33	1.16	1.08	1.06	1.07	1.06	1.06	1.05	E	
ORP (mV)	|	188.4	189.5	189.0	188.4	187.8	184.0	186.6	185.1	184.6	183.6	D	
Turbidity (NTU)	|	2.60	4.88	8.69	5.73	6.97	0.0	0.0	0.0	0.0	0.0	—	
Notes:	|	clear no odor										→	

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Sample ID: MW-9112S		Sample Time: 1120
MS/MSD:	Yes	(No)
Duplicate:	Yes	(No)
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By:	BKW	

Problems / Observations

Initial Purge: Pump on at 1025; clear, no odor

Final Purge: Pump off at 1125; clear, no odor

GROUNDWATER SAMPLING LOG

Site Former MGP | NYSEG Oneonta, NY | **Event:** 2024 GW Sampling

Sampling Personnel: Nailey Kudla-Williams/Kaitlyn Fleming
Well ID: MW-9112D
Client / Job Number: NYSEG / 30172769
Date: 5/21/2024
Weather: 78°F, Sun
Time In: 1130 **Time Out:** 1225

Well Information

Depth to Water:	4.90	(feet TIC)
Total Depth:	16.72	(feet TIC)
Length of Water Column:	11.82	(feet)
Volume of Water in Well:	1.93	(gal)
Screen Interval:	n/a	(feet)
Depth to pump Intake:	~15	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	(Yes)	No	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St Steel	(Polyethylene)	Teflon	Other:
Sampling Method: VOC Only	(Bailer)	(Peristaltic)	Grundfos	Other:

Duration of Pumping: 41 (min)
Average Pumping Rate: 180 (ml/min) Water-Quality Meter Type: ~~YSI/Aquamello 2030~~
Total Volume Removed: 1.75 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	1135	1140	1145	1150	1155	1200	1205	1210	1215				
Volume Purged (gal)	Pump			0.5		1.0		1.5	1.75				
Rate (mL/min)	on	150	200	180	180	180	180	180	S				
Depth to Water (ft.)	4.90	4.91	4.91	4.91	4.91	4.91	4.91	4.91	A				
pH		6.46	6.39	6.36	6.36	6.36	6.36	6.37	M				
Temp. (C)		12.7	12.4	13.0	13.0	13.0	12.9	12.9	P				
Conductivity (mS/cm)		0.927	0.946	0.951	0.944	0.952	0.959	0.955	L				
Dissolved Oxygen (mg/l)		2.82	1.77	1.19	1.15	1.07	1.02	0.99	E				
ORP (mV)		189.3	189.3	186.3	185.7	184.6	183.0	181.8	D				
Turbidity (NTU)		11.11	7.80	0.47	3.70	0.93	4.72	4.13	—				
Notes:		clear no odor	—						— >				

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Sample ID: MW-9112D		Sample Time: 1215
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By:	BKW	

Problems / Observations

Initial Purge: Pump on at 1135: clear, no odor

Final Purge: Pump off at 1216: clear, no odor

GROUNDWATER SAMPLING LOG

Site Former MGP | ***NYSEG Oneonta, NY*** | ***Event:*** *2024 GW Sampling*

Sampling Personnel:	Bailey Kudla-Williams/Kaitlyn Fleming	**Well ID:**	MW - 9114S
Client / Job Number:	NYSEG / 30172769	**Date:**	5/21/2024
Weather:	Sunny, 68°	**Time In:**	0730 **Time Out:** 0855

Well Information

Depth to Water:	7.60	(feet TIC)
Total Depth:	11.14	(feet TIC)
Length of Water Column	3.54	(feet)
Volume of Water in Well:	0.57	(gal)
Screen Interval:	NA	(feet)
Depth to pump Intake:	~10	(feet TIC)

Well Type:	(Flushmount)	Stick-Up
Well Material:	Stainless Steel	(PVC)
Well Locked:	Yes	(No)
Measuring Point Marked:	Yes	(No)
Well Diameter:	1"	(2") Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	VOC Only (Bailer)	(Peristaltic)	Grundfos	Other:

Duration of Pumping: 70 (min)

Average Pumping Rate: 100 (ml/min) Water-Quality Meter Type: YSI/~~Lamotte 2020~~

Total Volume Removed: 2.0 (gal) Did well go dry: Yes (No)

Conversion Factors

	1" ID	2" ID	4" ID	6" ID
gal / ft. of water	0.041	0.163	0.653	1.469

1 gal = 3.785 L =3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	0745	0750	0755	0800	0805	0810	0815	0820	0825	0830	0835	0840	
Volume Purged (gal)				0.5			1.0			1.5		S	
Rate (mL/min)	100	100	100	00	100	100	100	100	100	100	100	A	
Depth to Water (ft.)	8.21	8.21	8.21	8.21	8.21	8.29	8.21	8.21	8.21	8.21	8.21	M	
pH	6.66	6.58	6.58	6.62	6.64	6.66	6.68	6.88	6.69	6.69	6.69	P	
Temp. (C)	11.8	11.8	11.9	11.7	11.5	11.9	11.6	11.7	11.8	11.4	11.6	L	
Conductivity (mS/cm)	0.607	0.605	0.627	0.658	0.666	0.676	0.676	0.675	0.674	0.665	0.661	E	
Dissolved Oxygen (mg/l)	5.51	3.64	2.71	2.32	1.99	1.87	1.82	1.69	1.60	1.50	1.48	↓	
ORP (mV)	47.9	63.4	67.1	58.3	50.6	44.4	38.9	34.8	30.6	28.4	25.6		
Turbidity (NTU)	2.13	2.44	2.11	0.39	0.07	0.00	0.00	0.00	0.00	0.00	0.00		
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Sample ID: MW - 9114S		Sample Time: 0840
MS/MSD:	Yes	(No)
Duplicate:	Yes	(No)
Duplicate ID —		Dup. Time: —
Chain of Custody Signed By:	KCF	

Problems / Observations

Initial Purge:

Pump on @ 0740; brown susp. sediment, no odor

Final Purge:

Pump off @ 0850; clear, no odor

GROUNDWATER SAMPLING LOG

Site Former MGP | **NYSEG Oneonta, NY** | **Event:** 2024 GW Sampling

Sampling Personnel:	Nalley Kudla-Williams/Kaitlyn Fleming	Well ID:	MW-9502S
Client / Job Number:	NYSEG / 30172769	Date:	5/21/2024
Weather:	Sunny, 69°	Time In: 0900	Time Out: 1015

Well Information

Depth to Water:	6.62	(feet TIC)
Total Depth:	23.59	(feet TIC)
Length of Water Column:	16.97	(feet)
Volume of Water in Well:	2.76	(gal)
Screen Interval:	NA	(feet)
Depth to pump Intake:	~20	(feet TIC)

Well Type:	(Flushmount)	Stick-Up
Well Material:	Stainless Steel	(PVC)
Well Locked:	Yes	(No)
Measuring Point Marked:	Yes	(No)
Well Diameter:	1"	(2") Other

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method: VOC Only	(Bailer)	(Peristaltic)	Grundfos	Other:
Duration of Pumping:	60 (min)			
Average Pumping Rate:	150 (ml/min)	Water-Quality Meter Type:	YSI ~~Lamotte 2020~~	
Total Volume Removed:	2.0 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	0915	0920	0925	0930	0935	0940	0945	0950	0955	1000	1005		
Volume Purged (gal)			0.5			1.0					S		
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	A		
Depth to Water (ft.)	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	M		
pH	6.51	6.46	6.45	6.44	6.44	6.44	6.43	6.43	6.42	6.42	P		
Temp. (C)	13.7	13.5	13.4	13.3	13.3	13.7	13.8	13.5	13.5	13.6	L		
Conductivity (mS/cm)	0.541	0.537	0.537	0.539	0.537	0.538	0.542	0.546	0.557	0.558	E		
Dissolved Oxygen (mg/l)	3.01	1.85	1.59	1.40	1.28	1.18	1.13	1.09	1.05	1.02	↓		
ORP (mV)	93.3	91.7	90.0	88.3	87.1	85.7	85.0	84.5	84.1	83.2			
Turbidity (NTU)	14.19	9.43	7.33	13.59	13.65	19.82	19.91	14.42	14.59	15.62	↓		
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo-Test America
PAHs	2	Buffalo-Test America
Sample ID: MW-9502S	Sample Time: 1005	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID	—	Dup. Time: —
Chain of Custody Signed By:	KCF	

Problems / Observations

Initial Purge:

Pump on @ 0910 ; some orange susp sediment, no odor

Final Purge:

Pump off @ 1010 ; clear, no odor

GROUNDWATER SAMPLING LOG

Site Former MGP | **NYSEG Oneonta, NY** | **Event:** 2024 GW Sampling

Sampling Personnel: Nailey Kudla-Williams/Kaitlyn Fleming
Well ID: PTMW-0202
Client / Job Number: NYSEG / 30172769
Date: 5/21/2024
Weather: Partly cloudy, 77°
Time In: 1155 **Time Out:** 1320

Well Information

Depth to Water:	4.38	(feet TIC)
Total Depth:	16.40	(feet TIC)
Length of Water Column	12.02	(feet)
Volume of Water in Well:	1.95	(gal)
Screen Interval:	NA	(feet)
Depth to pump Intake	~15	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	Yes	(No)	
Measuring Point Marked:	Yes	(No)	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method: VOC Only	(Bailer)	(Peristaltic)	Grundfos	Other:
Duration of Pumping:	70 (min)			
Average Pumping Rate:	150 (ml/min)	Water-Quality Meter Type:	YSI/~~Lamotte~~ 2020	
Total Volume Removed:	1.7 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	1210	1215	1220	1225	1230	1235	1240	1245	1250	1255			
Volume Purged (gal)			0.5			1.0			1.5	S			
Rate (mL/min)	150	150	150	150	150	150	150	150	150	A			
Depth to Water (ft.)	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	M			
pH	6.72	6.71	6.72	6.72	6.72	6.72	6.72	6.72	6.72	P			
Temp. (C)	12.9	12.9	12.5	12.4	12.6	12.4	12.5	12.5	12.3	L			
Conductivity (mS/cm)	0.969	0.964	0.961	0.963	0.962	0.962	0.962	0.961	0.960	E			
Dissolved Oxygen (mg/l)	3.04	2.10	1.67	1.46	1.31	1.23	1.16	1.11	1.07	↓			
ORP (mV)	60.9	34.1	16.3	6.8	0.2	-4.6	-9.0	-12.9	-15.5				
Turbidity (NTU)	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	↓			
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	12	Buffalo-Test America
PAHs	8	Buffalo-Test America
Sample ID: PTMW-0202	Sample Time: 1255	
MS/MSD:	(Yes) No	
Duplicate:	(Yes) No	
Duplicate ID DUP-052124	Dup. Time: —	
Chain of Custody Signed By:	KCF	

Problems / Observations

Initial Purge:

Pump on @ 1205; some black susp. sediment, ~~no odor~~ slight odor

Final Purge:

Pump off @ 1315; clear, ~~no~~ odor slight

GROUNDWATER SAMPLING LOG

Site: Former Oneonta MGP — NYSEG Oneonta, NY — *Event: November 2024 GWS*

Sampling Personnel:	Adam Svensson, Robbie Sullivan	**Well ID:**	MW-0201
Client / Job Number:	30223880	**Date:**	11/19/24
Weather:	29°F fog	**Time In:**	0945 **Time Out:** 1050

Well Information

Depth to Water:	7.53	(feet TIC)
Total Depth:	19.66	(feet TIC)
Length of Water Column:	12.13	(feet)
Volume of Water in Well:	2.0	(gal)
Screen Interval:		(feet)
Depth to pump intake:	≈18.5	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material	Stainless Steel	(PVC)	
Well Locked:	(Yes)	No	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	(2")	4"	1"

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump

Duration of Pumping:	55	(min)		
Average Pumping Rate:	150	(ml/min)	Water-Quality Meter Type:	YSI Pro DSS
Total Volume Removed:	2.0	(gal)	Did well go dry:	Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability				
pH	DO	Cond	ORP	Turb.
±0.1	±10%	±3.0%	±10 mV	±10% ≤ 5NTU

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	0955	1000	1005	1010	1015	1020	1025	1030	1035	1040			
Volume Purged (gal)	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.7	S			
Rate (mL/min)	150	150	150	150	150	150	150	150	150	A			
Depth to Water (ft.)	8.38	8.49	8.60	8.61	8.62	8.63	8.64	8.65	8.66	M			
pH	7.36	7.41	7.42	7.42	7.43	7.43	7.43	7.43	7.44	P			
Temp (C)	12.7	13.1	13.1	13.3	13.2	13.3	13.3	13.4	13.4	L			
Conductivity (mS/cm)	0.502	0.510	0.513	0.517	0.519	0.520	0.522	0.521	0.522	E			
Dissolved Oxygen (mg/l)	3.29	1.50	1.42	1.36	1.34	1.30	1.28	1.28	1.27				
ORP (mV)	100.9	-23.9	-52.6	-69.6	-79.8	-88.0	-93.1	-96.9	-100.8				
Turbidity (NTU)	6.36	5.08	5.52	9.25	9.01	15.07	12.36	11.93	12.77				
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo - Eurofins Test America
PAHs	2	Buffalo - Eurofins Test America
Sample ID: MW-0201		Sample Time: 1040
MS/MSD:	Yes	(No)
Duplicate:	Yes	(No)
Duplicate ID: —		Dup Time: —
Chain of Custody Signed By:	AJS	

Problems / Observations

Initial Purge: Pump on @ 0950

Description: clear, no odor

Final Purge: Pump off @ 1045

Description: clear, no odor

GROUNDWATER SAMPLING LOG

Site: Former Oneonta MGP — *NYSEG Oneonta, NY* — *Event: November 2024 GWS*

Sampling Personnel: Adam Svensson, Robbie Sullivan
Well ID: MW-8604S
Client / Job Number: 30223880
Date: 11/19/24
Weather: 29°F fog
Time In: 0820 **Time Out:** 0940

Well Information

Depth to Water:	10.27	(feet TIC)
Total Depth:	20.03	(feet TIC)
Length of Water Column:	9.76	(feet)
Volume of Water in Well:	1.6	(gal)
Screen Interval:		(feet)
Depth to pump Intake	≈19	(feet TIC)

Well Type:	Flushmount	(Stick-Up)	
Well Material	(Stainless Steel)	PVC	
Well Locked:	(Yes)	No	
Measuring Point Marked:	Yes	(No)	
Well Diameter:	(2")	4"	1"

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Penstaltic)	Grundfos	Other: Bladder Pump

Duration of Pumping:	65	(min)		
Average Pumping Rate:	150	(ml/min)	Water-Quality Meter Type:	YSI Pro DSS
Total Volume Removed:	2.5	(gal)	Did well go dry:	Yes (No)

Conversion Factors

gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469

1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet

Unit Stability

pH	DO	Cond	ORP	Turb.
±0.1	±10%	±3.0%	±10 mV	±10% ≤ 5NTU

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	0835	0840	0845	0850	0855	0900	0905	0910	0915	0920	0925	0930	
Volume Purged (gal)	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2	S	
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	150	A	
Depth to Water (ft.)	10.55	10.73	10.90	11.01	11.12	11.24	11.35	11.43	11.51	11.58	11.65	m	
pH	6.62	6.60	6.64	6.68	6.70	6.70	6.72	6.73	6.74	6.75	6.76	P	
Temp. (C)	12.2	12.1	12.6	12.7	13.0	12.9	13.0	13.1	13.4	13.3	13.2	L	
Conductivity (mS/cm)	0.464	0.467	0.467	0.459	0.458	0.461	0.464	0.468	0.472	0.473	0.471	E	
Dissolved Oxygen (mg/l)	2.52	1.73	1.57	1.50	1.45	1.43	1.40	1.39	1.36	1.34	1.32		
ORP (mV)	134.2	131.1	125.4	118.8	114.3	107.7	97.4	87.0	77.1	71.6	68.3		
Turbidity (NTU)	44.81	27.36	16.75	16.76	15.35	8.96	9.09	5.74	5.71	5.68	5.49		
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo - Eurofins Test America
PAHs	2	Buffalo - Eurofins Test America
Sample ID: MW-8604S		Sample Time: 0930
MS/MSD:	Yes	(No)
Duplicate:	Yes	(No)
Duplicate ID: —		Dup. Time: —
Chain of Custody Signed By:		AJS

Problems / Observations

Initial Purge: Pump on @ 0830

Description: clear, no odor

Final Purge: Pump off @ 0935

Description: clear, no odor

GROUNDWATER SAMPLING LOG

Site: Former Oneonta MGP | NYSEG Oneonta, NY | **Event: November 2024 GWS**

Sampling Personnel:	Adam Svensson, Robbie Sullivan	**Well ID:**	MW-88065
Client / Job Number:	30223880	**Date:**	11/19/24
Weather:	43°F Sunny	**Time In:**	1100 **Time Out:** 1220

Well Information

Depth to Water:	6.58	(feet TIC)
Total Depth:	19.22	(feet TIC)
Length of Water Column:	12.64	(feet)
Volume of Water in Well:	2.1	(gal)
Screen Interval:		(feet)
Depth to pump Intake	≈18	(feet TIC)

Well Type	(Flushmount)	Stick-Up	
Well Material:	(Stainless Steel)	PVC	
Well Locked:	(Yes)	No	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	(2")	4"	1"

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump

Duration of Pumping	65	(min)		
Average Pumping Rate:	150	(ml/min)	Water-Quality Meter Type:	YSI Pro DSS
Total Volume Removed	2.5	(gal)	Did well go dry: Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability				
pH	DO	Cond	ORP	Turb
±0.1	±10%	±3.0%	±10 mV	±10% ≤ 5NTU

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	1115	1120	1125	1130	1135	1140	1145	1150	1155	1200	1205	1210	
Volume Purged (gal)	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2	S	
Rate (mL/min)	150	150	150	150	150	150	150	150	150	150	150	A	
Depth to Water (ft.)	6.83	6.92	6.97	6.97	6.97	6.97	6.97	6.97	6.97	6.97	6.97	M	
pH	7.12	7.12	7.12	7.07	7.00	6.85	6.73	6.64	6.59	6.58	6.57	P	
Temp. (C)	15.5	15.4	15.4	15.5	15.5	15.5	15.6	15.6	15.6	15.6	15.6	L	
Conductivity (mS/cm)	0.624	0.621	0.620	0.620	0.608	0.585	0.550	0.529	0.516	0.512	0.509	E	
Dissolved Oxygen (mg/l)	2.61	1.44	1.32	1.24	1.25	1.35	1.59	1.76	1.87	1.90	1.88		
ORP (mV)	84.1	34.3	18.9	14.0	11.6	13.7	25.0	35.9	44.3	49.3	52.4		
Turbidity (NTU)	110.62	50.44	42.94	42.60	41.72	35.28	33.60	32.59	30.20	29.56	28.77		
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo - Eurofins Test America
PAHs	2	Buffalo - Eurofins Test America
Sample ID: MW-88065	Sample Time: 1210	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID: —	Dup. Time: —	
Chain of Custody Signed By:	AJS	

Problems / Observations

Initial Purge: Pump on @ 1110

Description: clear, no odor

Final Purge: Pump off @ 1215

Description: clear, no odor

GROUNDWATER SAMPLING LOG

Site: Former Oneonta MGP | NYSEG Oneonta, NY | *Event: November 2024 GWS*

Sampling Personnel:	Adam Svensson, Robbie Sullivan	**Well ID:**	MW-9111S
Client / Job Number:	30223880	**Date:**	11/19/2024
Weather:	Sunny 42°F	**Time In:**	1015 **Time Out:** 1120

Well Information

Depth to Water:	6.25	(feet TIC)
Total Depth:	15.65	(feet TIC)
Length of Water Column:	9.40	(feet)
Volume of Water in Well:	1.53	(gal)
Screen Interval:	NA	(feet)
Depth to pump intake:	~14.5	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material	Stainless Steel	(PVC)	
Well Locked:	Yes	(No)	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	(2")	4"	1"

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump
Tubing/Bailer Material:	St Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump

Duration of Pumping:	40	(min)		
Average Pumping Rate:	150	(ml/min)	Water-Quality Meter Type:	YSI Pro DSS
Total Volume Removed:	1.5	(gal)	Did well go dry:	Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability				
pH	DO	Cond	ORP	Turb
±0.1	±10%	±3.0%	±10 mV	±10% ≤ 5NTU

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	1030	1035	1040	1045	1050	1055	1100	1105					
Volume Purged (gal)			0.5			1.0		S					
Rate (mL/min)	150	150	150	150	150	150	150	A					
Depth to Water (ft)	6.26	6.26	6.26	6.26	6.26	6.26	6.26	M					
pH	~~6.58~~	6.62	6.54	6.50	6.49	6.48	6.48	P					
Temp (C)	14.4	14.7	14.9	15.0	15.1	15.2	15.1	L					
Conductivity (mS/cm)	0.332	0.333	0.356	0.371	0.376	0.382	0.384	E					
Dissolved Oxygen (mg/l)	1.65	0.68	0.40	0.29	0.23	0.19	0.17	↓					
ORP (mV)	-2.8	-18.3	-26.7	-32.8	-37.2	-40.8	-43.8						
Turbidity (NTU)	1.01	0	0	0	0	0	0						
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo - Eurofins Test America
PAHs	2	Buffalo - Eurofins Test America
Sample ID:	MW-9111S	Sample Time: 1105
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID:	—	Dup Time:
Chain of Custody Signed By:	AJS	

Problems / Observations

Initial Purge: Pump on @ 1025

Description: Clear. No odor.

Final Purge: Pump off @ 1115

Description: Clear. No odor.

GROUNDWATER SAMPLING LOG

Site: Former Oneonta MGP — *NYSEG Oneonta, NY* — *Event: November 2024 GWS*

Sampling Personnel:	Adam Svensson, Robbie Sullivan	**Well ID:**	MW-9112S
Client / Job Number:	30223880	**Date:**	11/19/2024
Weather:	Sunny 47°F	**Time In:**	1140 **Time Out:** 1240

Well Information

Depth to Water:	7.69	(feet TIC)
Total Depth:	9.53	(feet TIC)
Length of Water Column:	1.96	(feet)
Volume of Water in Well:	0.32	(gal)
Screen Interval:	NA	(feet)
Depth to pump Intake:	~8.5	(feet TIC)

Well Type:	(Flushmount)	Stick Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked	Yes	(No)	
Measuring Point Marked:	Yes	(No)	
Well Diameter:	(2")	4"	1"

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump
Tubing/Bailer Material:	St Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump

Duration of Pumping:	45	(min)		
Average Pumping Rate:	100	(ml/min)	Water-Quality Meter Type:	YSI Pro DSS
Total Volume Removed:	1.25	(gal)	Did well go dry:	Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability				
pH	DO	Cond	ORP	Turb
±0.1	±10%	±3.0%	±10 mV	±10% ≤5NTU

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1150	1155	1200	1205	1210	1215	1220	1225	1230				
Volume Purged (gal)									S				
Rate (mL/min)	100	100	100	100	100	100	100	100	A				
Depth to Water (ft)	8.08	8.16	8.22	8.24	8.25	8.27	8.28	8.29	M				
pH	6.55	6.53	6.51	6.50	6.50	6.49	6.48	6.48	P				
Temp (C)	12.3	12.2	12.0	11.9	11.9	11.9	12.0	11.9	L				
Conductivity (mS/cm)	0.566	0.567	0.572	0.578	0.580	0.584	0.584	0.589	E				
Dissolved Oxygen (mg/l)	1.25	0.90	0.72	0.63	0.54	0.48	0.48	0.44	↓				
ORP (mV)	57.6	58.3	59.3	60.6	62.4	62.7	63.5	63.9					
Turbidity (NTU)	4.61	0.26	0	0	0	0	0	0	↓				
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo - Eurofins Test America
PAHs	2	Buffalo - Eurofins Test America
Sample ID: MW-9112S	Sample Time: 1230	
MS/MSD:	Yes (No)	1230
Duplicate:	Yes (No)	
Duplicate ID: —	Dup. Time: —	
Chain of Custody Signed By:	AJS	

Problems / Observations

Initial Purge: Pump on @ 1145

Description: Some rust-colored sediment @ first purge. Clear afterward. No odor.

Final Purge: Pump off @ 1235

Description: Clear. No odor.

GROUNDWATER SAMPLING LOG

Site: Former Oneonta MGP — *NYSEG Oneonta, NY* — *Event: November 2024 GWS*

Sampling Personnel:	Adam Svensson, Robbie Sullivan	Well ID:	MW-9112D
Client / Job Number:	30223880	Date:	11/14/2024
Weather:	Sunny 48°F	Time In:	1255 Time Out: 1350

Well Information

Depth to Water:	7.01	(feet TIC)
Total Depth:	16.76	(feet TIC)
Length of Water Column:	9.75	(feet)
Volume of Water in Well:	1.59	(gal)
Screen Interval:	NA	(feet)
Depth to pump Intake	~15	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	Yes	(No)	
Measuring Point Marked:	Yes	No	
Well Diameter:	(2")	4"	1"

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump
Tubing/Bailer Material:	St Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump
Duration of Pumping:	45 (min)			
Average Pumping Rate:	150 (ml/min)	Water-Quality Meter Type	YSI Pro DSS	
Total Volume Removed:	1.75 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability				
pH	DO	Cond.	ORP	Turb
±0.1	±10%	±3.0%	±10 mV	±10% ≤5NTU

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	1300	1305	1310	1315	1320	1325	1330	1335					
Volume Purged (gal)			0.5			1.0		S					
Rate (mL/min)	150	150	150	150	150	150	150	A					
Depth to Water (ft.)	7.00	7.00	7.00	7.00	7.00	7.00	7.00	M					
pH	6.62	6.56	6.53	6.52	6.51	6.52	6.52	P					
Temp. (C)	12.1	12.3	12.3	12.4	12.4	12.4	12.4	L					
Conductivity (mS/cm)	0.576	0.534	0.544	0.568	0.569	0.562	0.562	E					
Dissolved Oxygen (mg/l)	1.74	0.62	0.43	0.30	0.22	0.17	0.14	↓					
ORP (mV)	92.9	90.1	88.4	86.6	83.8	81.6	80.1						
Turbidity (NTU)	0	0	0	0	0	0	0	↓					
Notes:													

Sampling Information

Analyses	#	Laboratory
BTEXs	3	Buffalo - Eurofins Test America
PAHs	2	Buffalo - Eurofins Test America

Sample ID:	MW-9112D	Sample Time:	
MS/MSD:	Yes	(No)	
Duplicate:	Yes	(No)	
Duplicate ID:	—	Dup. Time:	—
Chain of Custody Signed By:	AJS		

Problems / Observations

Initial Purge: Pump on @ 1255

Description: Clear No odor.

Final Purge: Pump off @ 1345

Description: Clear. No odor.

GROUNDWATER SAMPLING LOG

Site: Former Oneonta MGP — *NYSEG Oneonta, NY* — *Event: November 2024 GWS*

Sampling Personnel:	Adam Svensson, Robbie Sullivan	**Well ID:**	PTMW-0202
Client / Job Number:	30223880	**Date:**	11/19/2024
Weather:	Foggy 37°F	**Time In:**	0845 **Time Out:** 1005

Well Information

Depth to Water:	6.29	(feet TIC)
Total Depth:	16.39	(feet TIC)
Length of Water Column:	10.10	(feet)
Volume of Water in Well:	1.65	(gal)
Screen Interval:	NA	(feet)
Depth to pump Intake	~15	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	Yes	(No)	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	(2")	4"	1"

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other: Bladder Pump
Duration of Pumping:	65 (min)			
Average Pumping Rate:	150 (ml/min)	Water-Quality Meter Type		YSI Pro DSS
Total Volume Removed:	1.5 (gal)	Did well go dry	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability				
pH	DO	Cond.	ORP	Turb
±0.1	±10%	±3.0%	±10 mV	±10% ≥ 5NTU

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	0850	0855	0900	0905	0910	0915	0920	0925					
Volume Purged (gal)			0.5			1.0		S					
Rate (mL/min)	150	150	150	150	150	150	150	A					
Depth to Water (ft.)	6.29	6.29	6.29	6.29	6.29	6.29	6.29	M					
pH	6.50	6.55	6.57	6.57	6.58	6.58	6.59	P					
Temp. (C)	12.1	12.0	11.5	12.9	13.0	13.2	13.4	L					
Conductivity (mS/cm)	0.959	0.940	0.952	0.949	0.970	0.970	0.971	E					
Dissolved Oxygen (mg/l)	0.68	0.53	0.48	0.35	0.27	0.22	0.19	↓					
ORP (mV)	-54.1	-63.6	-68.0	-72.5	-77.0	-80.0	-82.7						
Turbidity (NTU)	0	0	0	0	0	0	0	↓					
Notes													

Sampling Information

Analyses	#	Laboratory
BTEXs	12	Buffalo - Eurofins Test America
PAHs	8	Buffalo - Eurofins Test America
Sample ID: PTMW-0202	Sample Time:	0925
MS/MSD:	(Yes)	No
Duplicate:	(Yes)	No
Duplicate ID: DUP-111924	Dup. Time.	0925
Chain of Custody Signed By:	AJS	

Problems / Observations

Initial Purge: Pump on @ 0845

Description: clear. No odor.

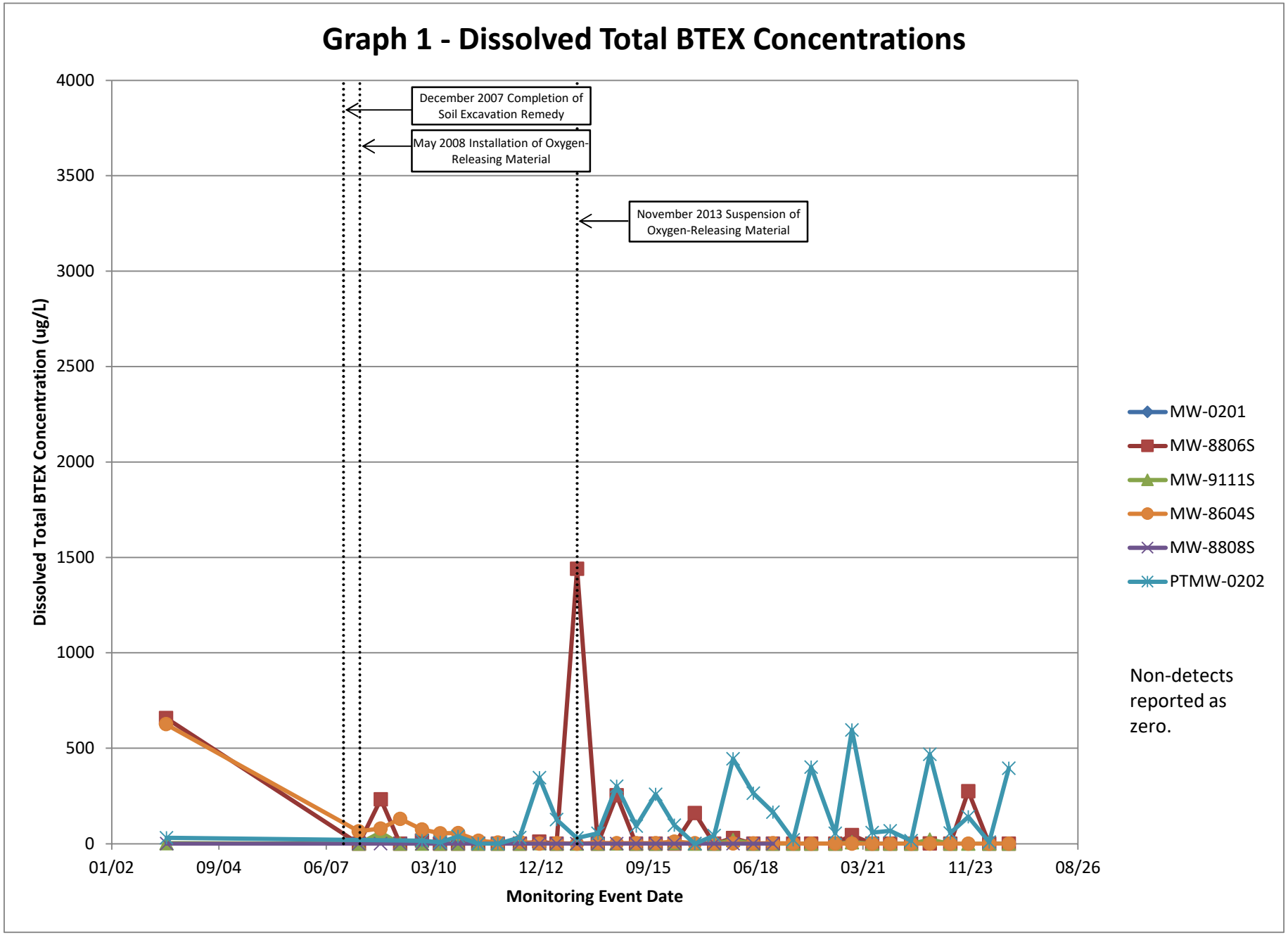
Final Purge: Pump off @ 0955

Description: clear. Faint odor.

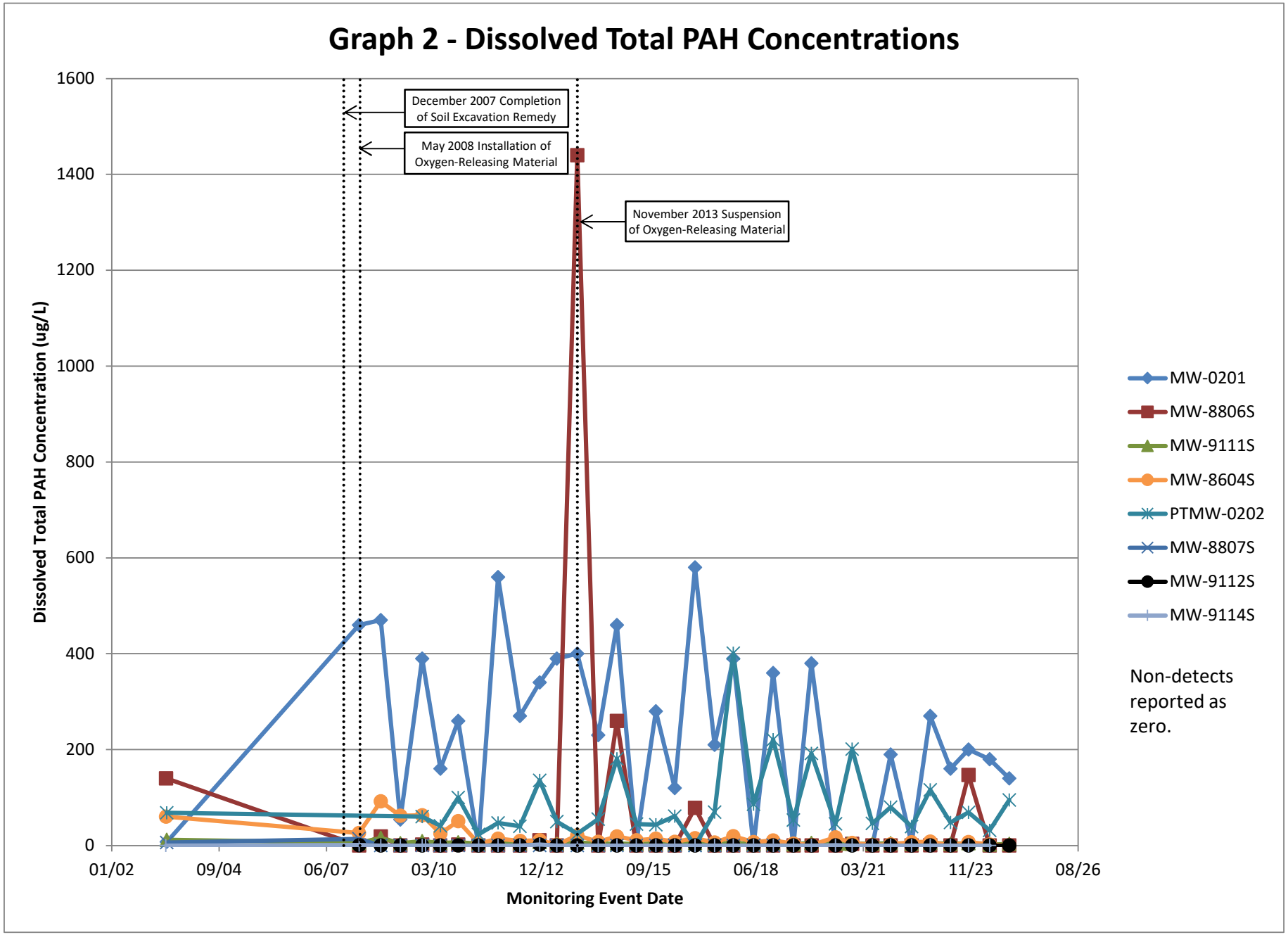
Appendix F

Graphs

Graph 1 - Dissolved Total BTEX Concentrations



Graph 2 - Dissolved Total PAH Concentrations



Appendix G

Well Inspection Photograph Log

APPENDIX G – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 1

Well ID:
MW-8604S

Description:
Photograph shows MW-8604S is in good condition with a secure plug and lockable lid.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 2

Well ID:
MW-8806S

Description:
Photograph shows MW-8806S (below grade) is in good condition with a secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 3

Well ID:
MW-8807S

Description:
Photograph shows MW-8807S is in good condition with a locking cap.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 4

Well ID:
MW-8808S

Description:
Photograph shows MW-8808S is in good condition with a locking cap.

Photograph taken by:
KCF

Date: 5/20/2024

APPENDIX G – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 5

Well ID:
MW-9109S

Description:
Photograph shows MW-9109S is in good condition with a secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 6

Well ID:
MW-9110S

Description:
Photograph shows MW-9110S is in good condition with a locking cap.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 7

Well ID:
MW-9111S

Description:
Photograph shows MW-9111S is in good condition with a locking cap.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 8

Well ID:
MW-9112S

Description:
Photograph shows MW-9112S is in good condition with a locking cap.

Photograph taken by:
KCF

Date: 5/20/2024

APPENDIX G – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 9

Well ID:
MW-9112D

Description:
Photograph shows MW-9112D is in good condition with a locking cap.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 10

Well ID:
MW-9114S

Description:
Photograph shows MW-9114S is in good condition with a locking cap.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 11

Well ID:
MW-9502S

Description:
Photograph shows MW-9502S is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 12

Well ID:
MW-0201

Description:
Photograph shows MW-0201 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

APPENDIX G – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 13

Well ID:
MW-0203

Description:
Photograph shows MW-0203 is in good condition with a secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 14

Well ID:
MW-0301

Description:
Photograph shows MW-0301 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 15

Well ID:
PTMW-0202

Description:
Photograph shows PTMW-0202 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 16

Well ID:
NRW-01

Description:
Photograph shows NRW-01 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 17

Well ID:
NRW-02

Description:
Photograph shows NRW-02 is in good condition with a secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 18

Well ID:
PMW-01

Description:
Photograph shows PMW-01 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

APPENDIX G – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 19

Well ID:
PMW-02

Description:
Photograph shows PMW-02 is in good condition with a secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 20

Well ID:
PMW-03

Description:
Photograph shows PMW-03 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

APPENDIX G – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 21

Well ID:
PMW-04

Description:
Photograph shows PMW-04 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 22

Well ID:
PMW-05

Description:
Photograph shows PMW-05 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 23

Well ID:
PMW-06

Description:
Photograph shows PMW-06 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 24

Well ID:
PMW-07

Description:
Photograph shows PMW-07 is in good condition with a secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

APPENDIX G – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 25

Well ID:
PMW-08

Description:
Photograph shows PMW-08 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 26

Well ID:
PMW-09

Description:
Photograph shows PMW-09 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 27

Well ID:
PMW-10

Description:
Photograph shows PMW-10 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 28

Well ID:
PMW-11

Description:
Photograph shows PMW-11 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 29

Well ID:
PMW-12

Description:
Photograph shows PMW-12 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 30

Well ID:
PMW-13

Description:
Photograph shows PMW-13 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 31

Well ID:
PMW-14

Description:
Photograph shows PMW-14 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 32

Well ID:
PZ-105

Description:
Photograph shows PZ-105 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

APPENDIX G – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 33

Well ID:
PZ-0801

Description:
Photograph shows PZ-0801 is in good condition with a secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 34

Well ID:
PZ-0802

Description:
Photograph shows PZ-0802. Concrete apron surrounding flush-mount road box is weathered and cracked, however, still structurally sound. Well has a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

APPENDIX G – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 35

Well ID:
PZ-0803

Description:
Photograph shows PZ-0803 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 36

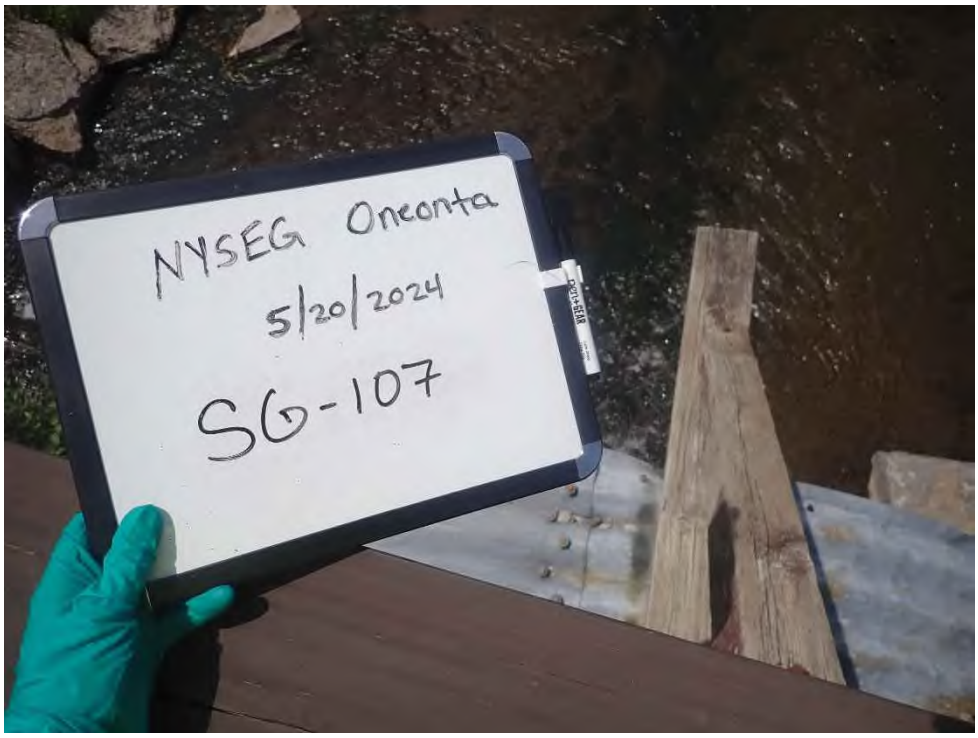
Staff Gauge ID:
SG-105

Description:
Photograph shows SG-105. Measuring location is a black arrow marked on the utility pole. Staff gauge is in good condition.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York



Photograph: 37

Staff Gauge ID:
SG-107

Description:
Photograph shows SG-107. Measuring location is a hole drilled in the top of the culvert. Staff gauge is in good condition.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 38

Staff Gauge ID:
SG-110

Description:
Photograph shows SG-110. Measuring location is top of steel post. Staff gauge is in good condition.

Photograph taken by:
KCF

Date: 5/21/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 39

Staff Gauge ID:
SG-111

Description:
Photograph shows SG-111. Measuring location is top of steel post. Staff gauge is in good condition.

Photograph taken by:
KCF

Date: 5/21/2024

Photograph: 40

Well ID:
AW-01

Description:
Photograph shows AW-01 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

APPENDIX G – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 41

Well ID:
AW-02

Description:
Photograph shows AW-02 is in good condition with a secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 42

Well ID:
AW-03

Description:
Photograph shows AW-03 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 43

Well ID:
AW-04

Description:
Photograph shows AW-04 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 44

Well ID:
AW-05

Description:
Photograph shows AW-05 is in good condition with a secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 45

Well ID:
AW-06

Description:
Photograph shows AW-06 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 46

Well ID:
AW-07

Description:
Photograph shows AW-07 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 47

Well ID:
AW-08

Description:
Photograph shows AW-08 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 48

Well ID:
AW-09

Description:
Photograph shows AW-09 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 49

Well ID:
AW-10

Description:
Photograph shows AW-10 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 50

Well ID:
AW-11

Description:
Photograph shows AW-11 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 51

Well ID:
AW-12

Description:
Photograph shows AW-12 is in good condition with a secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 52

Well ID:
AW-13

Description:
Photograph shows AW-13 is in good condition with secure plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 53

Well ID:
AW-14

Description:
Photograph shows AW-14 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Photograph: 54

Well ID:
AW-15

Description:
Photograph shows AW-15 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

NYSEG
Oneonta Former MGP Site
Oneonta, New York

Photograph: 55

Well ID:
AW-16

Description:
Photograph shows AW-16 is in good condition with a locking plug.

Photograph taken by:
KCF

Date: 5/20/2024

Appendix H

Certification Statements

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

11/05/2024

John J. Ruspantini
NYS ELECTRIC AND GAS COMPANY
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 - Oneonta MGP
Site No.: 439001
Site Address: James Georgeson Avenue
Oneonta, NY 13820

Dear John J. 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 **January 18, 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. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Professional Engineer (PE). 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

ec: w/ enclosures
Tracey Garland, Project Manager
Gerald Pratt, Section Chief
Christopher O'Neill, Hazardous Waste Remediation Supervisor, Region 4
Arcadis of New York, Inc. - Klaus Beyrle - nicholas.beyrle@arcadis.com

The following parcel owner did not receive an ec:
City Of Oneonta - Parcel Owner

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. 439001

Site Name NYSEG - Oneonta MGP

Site Address: James Georgeson Avenue Zip Code: 13820
City/Town: Oneonta
County: Otsego
Site Acreage: 2.000

Reporting Period: December 19, 2023 to December 19, 2024

	YES	NO
1. Is the information above correct?	☒	☐
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?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
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?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs in place and functioning as designed?	☒	☐

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. 439001 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
300.10-1-34	CITY OF ONEONTA	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan Monitoring Plan IC/EC Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
300.10-1-34	Cover System Subsurface Barriers Monitoring Wells

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. 439001

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 Dr, Binghamton, NY 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 _____ 1-14-25

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date

EC CERTIFICATIONS

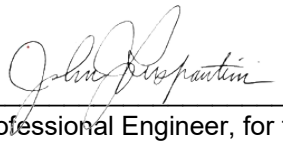
Qualified Environmental Professional (QEP)
~~Professional Engineer~~ Signature

Box 7

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 at 18 Link Dr, Binghamton, NY 13904,
print name print business address

am certifying as a ~~Professional Engineer~~ (QEP) for the NYSEG/Remedial Party (Owner or Remedial Party)

For NYSEG  CHMM 10302 1-14-25

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | 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