NYSEG

2022 Periodic Review Report

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

January 2023

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Acronyms and Abbreviations

AW	application well
BTEX	benzene, toluene, ethyl benzene, and xylenes
DUSRs	Data Usability Summary Reports
GWSQ	Groundwater Quality Standards
MGP	manufactured gas plant
MW	monitoring well
NAPL	non-aqueous phase liquid
NRWs	NAPL recovery wells
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
PMWs	performance monitoring wells
PRR	Periodic Review Report
ROD	Record of Decision
SMP	Site Management Plan
USEPA	United States Environmental Protection Agency

Executive Summary

This Periodic Review Report (PRR) summarizes effectiveness monitoring and operation and maintenance (O&M) activities and results during the January 2022 through December 2022 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) (ROD). 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 finishing 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 five-year treatment system performance and effectiveness monitoring data (2008 through 2013), NYSDEC approved suspending oxygen-enhancement for five 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 effectiveness monitoring data for the 5-year period following groundwater enhancement suspension. Based on data collected during this five-year period, the NYSDEC approved an additional five-year groundwater enhancement suspension in May 2019, along with a request to remove three monitoring wells (MW-9110S, MW-8807S, and MW-8808S) from the semi-annual and annual sampling requirements (NYSDEC 2019). This PRR represents the ninth annual report since suspending groundwater enhancement.

NYSEG conducted Effectiveness Monitoring, NAPL gauging, and O&M activities for the reporting period (May and November 2022 monitoring events) in accordance with the Site Management Plan (SMP) (Arcadis 2022). Based on data collected during the reporting period:

- Effectiveness monitoring requirements were met.
- NAPL was not observed in either of the two site NAPL recovery wells (NRWs), 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 (BTEX) and PAH groundwater concentrations since suspending groundwater enhancement.
- Perfluorooctanesulfonic Acid, a per- and polyfluoroalkyl substance (PFAS), was detected at a concentration greater than NYSDEC groundwater quality standards during the reporting period. The Perfluorooctanesulfonic Acid concentration in MW-9111S decreased when compared to the last time PFAS was sampled.

Construction conducted by the City of Oneonta in 2021 damaged monitoring well MW-0203. NYSEG repaired and redeveloped MW-0203 April 22, 2022. Semi-annual sampling at MW-0203 resumed during the reporting period. Recommendations for future monitoring activities, based on operation and monitoring of the site remedy during this reporting period, include:

- Continued semi-annual effectiveness monitoring, as described in the SMP;
- Continued sorbent sock maintenance to passively remove accumulated NAPL in AW-12 and continued semi-annual sorbent sock replacement;
- Continued semi-annual and annual monitoring well (MW), performance monitoring well (PMW), NRW, AW, staff gauge, and piezometer gauging as described in the SMP;
- Analyzing groundwater samples collected from monitoring well MW-9111S for PFAS on a triennial basis, with the next sample to be collected in May 2025 (Arcadis 2022);
- Continued site inspections and site maintenance as described in the SMP; and
- Continued annual PRR preparation as described in the NYSDEC's December 19, 2016 letter correspondence to NYSEG.

1 Introduction

This Periodic Review Report (PRR) summarizes effectiveness monitoring and operation and maintenance (O&M) activities and results during January 2022 through December 2022 (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 2022 (annual) and November 2022 (semiannual) monitoring events.

Certification that site controls were in place and effective, and 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 ROD (NYSDEC 2005). The soil remedy consisted of excavation and off-site disposal of soil within the former MGP footprint containing MGP-tar or elevated PAH concentrations, backfilling the excavation with approved fill materials, and finishing 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 drainable MGP-related non-aqueous phase liquid (NAPL) removal; and
- In-situ groundwater treatment.

NYSEG completed constructing a permeable wall associated with the groundwater remedy in December 2007 during soil remediation backfilling operations. AW, PMW, and 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 SMP (Arcadis 2022).

1.1.2 Post-Remediation Groundwater Treatment

The (in-situ) groundwater treatment system 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 and based on the initial five-year treatment system performance and effectiveness monitoring data review, the NYSDEC approved suspending groundwater enhancement for a five-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 SMP Revisions

Based on data collected during the five-year period following groundwater enhancement suspension, the NYSDEC approved the Site Management Plan Addendum (SMP Addendum, Arcadis 2019b) that included a request for an additional five-year groundwater enhancement suspension. NYSDEC submitted a May 29, 2019 letter to NYSEG requesting that NYSEG revise the SMP to incorporate modifications provided in the SMP Addendum and update the SMP to the current NYSDEC SMP template (NYSDEC 2019). The NYSDEC approved the revised SMP (Arcadis 2022) in a September 9, 2022 letter to NYSEG (NYSDEC 2022). This PRR represents the ninth annual report since suspending groundwater enhancement.

The SMP presents requirements for the following during the third five-year period of the site remedy (January 2019 through December 2023):

- Effectiveness monitoring to document site-wide groundwater quality;
- Monitoring and removing NAPL;
- O&M of the site's well network;
- Implementing notification and procedural protocols when soil disturbance activities are conducted within areas potentially containing MGP-impacted material, as applicable;
- Considering vapor intrusion potential if structures within areas potentially containing residual MGP-impacts are developed in the future;
- Minimum health and safety protocols for contractors performing work within areas potentially containing residual MGP impacts; and
- Completing site activity reporting.

1.1.4 Emerging Contaminant Sampling

In response to NYSDEC's May 30, 2018 letter to NYSEG (NYSDEC 2018), during the November 2019 semi-annual monitoring event, NYSEG collected and submitted groundwater samples from three monitoring wells (MW-0201, MW-9111S, and MW-9114S) for 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 NYSDEC (Arcadis 2020). As requested in NYSDEC's June 18, 2020 letter to NYSEG (NYSDEC 2020) and subsequently clarified in NYSDEC's email August 28, 2020, groundwater samples collected from monitoring well MW-9111S will be analyzed for PFAS on a triennial basis, beginning in May 2022.This PRR presents data from the first triennial PFAS monitoring event.

1.2 Objectives

As presented in the SMP, groundwater remedy objectives for the third five-year monitoring period are to:

- Passively remove recoverable NAPL, if encountered;
- Assess groundwater movement patterns at the site; and
- Monitor groundwater quality to document dissolved BTEX and PAH concentrations at the dissolved-phase plume fringe.

To document achieving the objectives, this PRR presents the following:

- Site-wide data collected during the monitoring period including groundwater analytical data and groundwater and surface water elevation data; and
- Conclusions and recommendations for modifications to the monitoring requirements, if required.

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. Effectiveness monitoring, NAPL gauging, and O&M activities for the current reporting period were conducted in accordance with the SMP and are summarized in this PRR.

2 Effectiveness Monitoring and Results

A summary of monitoring, gauging, and O&M tasks completed during the reporting period covered by this PRR is presented in Table 1.

Table 1 – Effectiveness Monitoring, Operation, and Maintenance Tasks

Event	Dates Completed	Effectiveness Monitoring	NAPL Gauging	Site Inspection	Well Inspections
May Monitoring (Annual)	May 23-25, 2022	X	X	X	X
November Monitoring (Semi-Annual)	November 15-17, 2022	X	X		X

As described in the SMP, along with NYSDEC-approved modifications to the effectiveness monitoring program presented in previous PRRs, effectiveness monitoring during this reporting period consisted of:

- Semi-annual groundwater and surface water elevation measurement in 14 PMWs, 14 MWs, four staff gauges, and four piezometers;
- Semi-annual groundwater sampling from 10 MWs for BTEX and PAH analysis; and
- Triennial groundwater sampling from MW-9111S for PFAS analysis.

As presented in the ROD, BTEX data is used to evaluate the groundwater remedy effectiveness; however, for completeness, PAH data is also collected and evaluated. Effectiveness monitoring results are presented below.

2.1 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:

- Fourteen performance monitoring wells (PMW-01 through PMW-14);
- Fourteen site monitoring wells (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 staff gauges (SG-105, SG-107, SG-110, and SG-111); and
- Four piezometers (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 2022 gauging event is presented on Figure 3 and the potentiometric surface and groundwater flow direction for the November 2022 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 the previous years, no significant change to site-wide groundwater flow direction has occurred.

2.2 NAPL Monitoring

Field personnel gauged two NRWs (NRW-01 and NRW-02) for the potential presence of NAPL and replaced the sorbent sock in AW-12 during both monitoring events. Locations of existing wells NRW-01, NRW-02, and AW-12, along with the locations of abandoned NRWs (NRW-03 and NRW-04) are shown on Figure 2.

NAPL gauging data are presented in Table 2. NAPL was not observed in either NRW during the reporting period. Since first gauged in April 2008, NAPL has not been observed in either of the NRWs.

As recommended in the sixth Annual Report (Arcadis 2014), a NAPL sorbent sock was installed in AW-12 November 2014 to passively remove NAPL. During each semi-annual monitoring event, the sorbent sock is removed and a new sock reinstalled. Results of NAPL monitoring during this reporting period are as follows:

- During the May 2022 monitoring event, approximately 100% of the outer surface of the sorbent material was coated with NAPL; approximately 100% of the sock was saturated with NAPL; and the bottom 18 inches of the canister was coated with NAPL.
- During the November 2022 monitoring event, 25% of the outer surface of the sorbent material was coated with NAPL; 25% of the sock was saturated with NAPL; and the bottom approximate 12 inches of the canister was coated 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 A.

2.3 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 (BBL 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.

During the reporting period, groundwater samples collected from 10 MWs 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.

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 13 years of monitoring, as well as historical data from 2003, are also included in Table 3.

Additionally, during the reporting period, a groundwater sample collected from MW-9111S was submitted to Eurofins TestAmerica Laboratories located in Amherst, New York for analysis of:

- PFAS by USEPA Method 537 Modified.

Analytical results are summarized in Table 4. For comparison purposes, PFAS analytical results for samples collected in November 2019, are also included in Table 4.

Arcadis reviewed the May and November 2022 monitoring event laboratory data packages, conducted data validation, and prepared Data Usability Summary Reports (DUSRs). Data review indicated that overall laboratory

performance was acceptable, and that data quality was within guidelines specified in the respective methods. Laboratory reports are included as Appendix B and the DUSRs are included as Appendix C.

Groundwater analytical results for BTEX and PAHs are summarized below.

2.3.1 Dissolved BTEX

Groundwater analytical results for dissolved BTEX are summarized in Table 3 and shown on Graph 1 (Appendix D). Additionally, dissolved total BTEX data from 2022 and the previous eleven years of groundwater monitoring are presented on Figure 5. As shown on Figure 5, nine of the wells currently sampled are located around the study area perimeter (for discussion purposes MW-8806S is not considered a perimeter well). Analytical results for samples collected during the two 2022 monitoring events indicate the following:

- During the May monitoring event, BTEX was detected at concentrations greater than NYSDEC groundwater quality standards (GWQS) in groundwater collected from two perimeter wells (MW-0201 and PTMW-0202).
- During the November sampling event, BTEX was detected at concentrations greater than GWQS in groundwater samples collected from three of the nine perimeter wells (MW-0201, MW-9111S, and PTMW-0202).
- Total BTEX concentrations have continued an overall decreasing trend or remained below detection limits in groundwater samples collected at each perimeter well, except MW-9111S and PTMW-0202.
- Total BTEX concentrations at MW-9111S exhibit periodic low-level detections.
- Total BTEX concentrations at PTMW-0202 continue to fluctuate with a historical (slight) increasing trend.
- At “internal” well MW-8806S (located approximately 50 feet downgradient from the former treatment area), total BTEX concentrations were not detected in May 2022 and were detected below GWQS in November 2022. By 2018, total BTEX concentrations had reduced to non-detected levels, but increased in 2020 to a concentration exceeding GWQS. NYSEG believes this increase and the detected concentrations in November 2022 could be a result of the Damaschke Field construction/renovation activities conducted in late 2019 and will continue to monitor total BTEX concentrations at MW-8806S in subsequent years to see if they return to non-detected concentrations.
- Detected BTEX concentrations during the May monitoring event were generally less than the November monitoring event. This is consistent with historical site trends.

2.3.2 Dissolved PAHs

Laboratory data for dissolved PAHs are summarized in Table 3 and shown on Graph 2 (Appendix D). In addition, dissolved total PAH data from 2022 and the previous eleven years of groundwater monitoring are presented on Figure 6.

As shown on Figure 6, nine of the monitoring wells that are currently sampled are located around the study area perimeter (again, for discussion purposes MW-8806S is not considered a perimeter well). Analytical results for samples collected during the two 2022 monitoring events indicate the following:

- During the May monitoring event, only Acenaphthene was detected at a concentration greater than GWQS in groundwater from one of the nine perimeter wells (i.e., PTMW-0202).
- During the November monitoring event, PAHs were detected at concentrations greater than GWQS in groundwater from two of the nine perimeter wells (i.e., MW-0201 and PTMW-0202).

- PAH concentrations in PTMW-0202 have continued to fluctuate seasonally, with an overall decreasing trend observed since 2017.
- PAHs were not detected at concentrations greater than GWQS in the groundwater sample collected from “internal” well MW-8806S (located approximately 50 feet downgradient from the former treatment area) during this reporting period.
- 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.

2.3.3 PFAS

Laboratory data for PFAS are summarized in Table 4 and presented on Figure 6. Analytical results for the groundwater sample collected from MW-9111S during the May monitoring event indicate the following:

- Only Perfluorooctanesulfonic Acid was detected at a concentration greater than GWQS.
- The Perfluorooctanesulfonic Acid concentration decreased when compared to the concentration during the November 2019 monitoring event.

3 Operation and Maintenance

The City of Oneonta is responsible for 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.

3.1 Well Network

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

3.1.1 Well Inspection

Arcadis completed visual inspections of site wells (MWs, PMWs, NRWs, AWs, piezometers, and staff gauges) during the May monitoring event to confirm protective road box and surrounding concrete collar integrity was maintained, 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 E.

The City of Oneonta developed an area near MW-0203 as a dog park in 2021. As a result of the construction activities, monitoring well MW-0203 was observed to be damaged during the May 2021 monitoring event. The damage was repaired, a new flush-mounted surface completion was installed, and MW-0203 was redeveloped and resurveyed April 22, 2022.

Excluding MW-0203 repair, no significant deficiencies were identified during this reporting period.

3.1.2 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 re-development 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 wells and staff gauges were collected during the November monitoring event. A summary of the most recent gauging event results is provided below.

- Monitoring Wells:
  - Eight of the 14 wells did not contain measurable amounts of accumulated sediment.
  - Sediment accumulation in the remaining six wells ranged from 0.02 feet (MW-8807S) to 0.27 feet (MW-9111S).

- Application Wells:
  - 14 of the 16 AWs exhibited sediment accumulation, ranging from 0.03 feet (AW-05) to 2.46 feet (AW-14).
  - Quantities of sediment in the AWs are consistent with quantities previously reported and do not appear to be significantly increasing or decreasing.
- Performance Monitoring Wells:
  - Six of the 14 PMWs exhibited accumulated sediments ranging from 0.01 feet (PMW-04) to 0.55 feet (PMW-07).
  - Quantities of sediment in the PMWs are consistent with quantities previously reported and do not appear to be significantly increasing or decreasing.
- Piezometers:
  - Accumulated sediment in the piezometers ranged from 0.04 feet (PZ-0803) to 1.26 feet (PZ-0801).
  - Quantities of sediment in the piezometers are consistent with quantities previously reported and do not appear to be significantly increasing or decreasing.
- Staff Gauges – The four staff gauges (SG-105, SG-107, SG-110, and SG-111) were present and in good condition during the November monitoring event.

3.2 Annual Site Inspection

Arcadis completed an annual site inspection on May 25, 2022. 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 F. The annual site inspection indicated that the site cover is in good condition, and:

- Maintenance to the soil cover across the site was not required.
- Maintenance to the asphalt surface above the groundwater treatment system was not required.
- Drainage features were clear of obstructions.

During the November monitoring event, a board was observed across the doors of the onsite storage shed preventing access. The lock to the shed had been vandalized and was no longer operable. The City of Oneonta had installed the board to secure the shed. A tamper-resistant lock will be installed before or during the May 2023 monitoring event.

4 Conclusions and Recommendations

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

4.1 Conclusions

A summary of pertinent conclusions, based on results for the 2022 monitoring events, is presented below.

- Effectiveness 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 14 years of monitoring.
- NAPL Monitoring:
  - NAPL was not observed in either of the two NRWs during the reporting period; NAPL has not been observed in any of the NRWs during the 14 years of monitoring.
  - The sorbent sock installed in AW-12 successfully removed NAPL from the well.
- Groundwater Quality:
  - Total BTEX concentrations in groundwater shows an overall decreasing trend since suspending groundwater enhancement. The recent increase in total BTEX concentrations at MW-8806S are possibly a result of 2019 Damaschke Field construction/renovation activities and will be monitored to see if they return to non-detected concentrations.
  - Seasonal changes continue to influence dissolved BTEX and PAH concentrations. Where present, dissolved BTEX and PAH concentrations were generally greater during the November monitoring event when compared to May monitoring event.
- Well Network:
  - MW-0203 was repaired, redeveloped, and resurveyed April 22, 2022.
  - Accumulated sediment quantities observed within site wells were consistent with historical observed quantities, respective to each location.
- Annual Site Inspection:
  - Soil cover and asphalt surface above the groundwater treatment system were in good condition; no repairs were required.
  - Drainage features were clear of obstructions.
  - The storage shed lock was observed vandalized during the November monitoring event; however, the City of Oneonta temporarily secured the shed.

4.2 Recommendations

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

- Effectiveness Monitoring:
  - Continue conducting effectiveness monitoring as described in the SMP.

  - Continue installing a sorbent sock to passively remove accumulated NAPL in AW-12 and continue to replace the sorbent sock semi-annually.
  - Continue semi-annual and annual well gauging and annual MW sampling as described in the SMP.
- O&M
  - Continue conducting O&M, including site inspections and site maintenance as described in the SMP.
  - Because past re-development efforts have been unsuccessful at reducing the quantity of sediment in AW-14, and the AWs are not currently in use, no further efforts to remove sediment are considered at this time.
  - Install a tamper-resistant lock on the storage shed.
- Continue preparing annual PRRs as described in the NYSDEC's December 19, 2016 letter correspondence to NYSEG, and as described in the SMP.
- Analyze groundwater collected from monitoring well MW-9111S for PFAS on a triennial basis, with the next sample to be collected during the May 2025 monitoring event.

5 Certification Statement

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

6 References

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Tables

Table 2
Gauging Data
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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)	Percent Screen Occluded By Sediments (%)
MW-9502S	1080.74	23.72	19.0	April 21, 2008	5.56	1075.41	-	24.01	-0.09	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	7.47	1073.50	-	24.04	-0.12	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	6.67	1074.30	-	24.01	-0.09	0.00
				August 5, 2009	6.04	1074.93	-	24.02	-0.10	0.00
				November 30, 2009	6.77	1074.20	-	24.02	-0.10	0.00
				February 24, 2010	7.22	1073.75	-	24.03	-0.11	0.00
				May 17, 2010	6.15	1074.82	-	23.97	-0.05	0.00
				November 1, 2010	5.55	1075.42	-	23.80	0.12	0.63
				May 9, 2011	4.70	1076.07	-	23.80	-0.08	0.00
				November 7, 2011	6.08	1074.69	-	23.81	-0.09	0.00
				May 29, 2012	6.09	1074.68	-	23.82	-0.10	0.00
				November 26, 2012	7.23	1073.54	-	23.88	-0.16	0.00
				May 6, 2013	6.01	1074.76	-	23.77	-0.05	0.00
				November 12, 2013	7.22	1073.55	-	23.75	-0.03	0.00
				May 27, 2014	5.44	1075.33	-	23.76	-0.04	0.00
				November 17, 2014	7.35	1073.42	-	23.75	-0.03	0.00
				May 19, 2015	7.01	1073.76	-	23.74	-0.02	0.00
				November 16, 2015	6.10	1074.67	-	23.78	-0.06	0.00
				May 9, 2016	6.68	1074.09	-	23.74	-0.02	0.00
				November 15, 2016	8.01	1072.76	-	23.75	-0.03	0.00
				May 16, 2017	5.54	1075.23	-	23.75	-0.03	0.00
				November 6, 2017	7.65	1073.12	-	23.75	-0.03	0.00
				May 14, 2018	5.95	1074.82	-	23.75	-0.03	0.00
				November 12, 2018	5.79	1074.98	-	23.75	-0.03	0.00
				May 20, 2019	5.32	1075.45	-	23.73	-0.01	0.00
				November 4, 2019	5.59	1075.18	-	23.74	-0.02	0.00
				June 15, 2020	7.47	1073.30	-	23.79	-0.07	0.00
				November 17, 2020	8.01	1072.76	-	23.72	0.00	0.00
				May 25, 2021	6.10	1074.67	-	23.55	0.17	0.89
				November 10, 2021	5.99	1074.75	-	23.61	0.11	0.58
				May 23, 2022	6.83	1073.91	-	23.46	0.26	1.37
				November 14, 2022	8.38	1072.36	-	23.60	0.12	0.63
MW-0203*	1075.16	29.58	10.0	April 21, 2008	1.95	1073.21	-	28.82	0.76	5.60
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	3.57	1071.59	-	28.84	0.74	5.40
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	3.23	1071.93	-	28.80	0.78	5.80
				August 5, 2009	2.29	1072.87	-	28.84	0.74	5.40
				November 30, 2009	3.11	1072.05	-	28.81	0.77	5.70
				February 24, 2010	3.57	1071.59	-	28.81	0.77	5.70
				May 17, 2010	2.64	1072.52	-	29.58	0.00	0.00
				November 1, 2010	1.93	1073.23	-	29.63	-0.05	0.00
				May 9, 2011	1.09	1074.07	-	29.62	-0.04	0.00
				November 7, 2011	2.57	1072.59	-	29.58	0.00	0.00
				May 29, 2012	2.85	1072.31	-	29.66	-0.08	0.00
				November 26, 2012	3.69	1071.47	-	29.62	-0.04	0.00
				May 6, 2013	2.68	1072.48	-	29.54	0.04	0.00
				November 12, 2013	3.82	1071.34	-	29.57	0.01	0.00
				May 27, 2014	2.11	1073.05	-	29.63	-0.05	0.00
				November 17, 2014	3.90	1071.26	-	29.60	-0.02	0.00

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MW-0203* (cont.)	1075.16	29.58	10.0	May 19, 2015	3.85	1071.31	-	29.59	-0.01	0.00
				November 16, 2015	2.58	1072.58	-	29.59	-0.01	0.00
				May 9, 2016	3.19	1071.97	-	29.59	-0.01	0.00
				November 15, 2016	4.62	1070.54	-	29.59	-0.01	0.00
				May 16, 2017	2.02	1073.14	-	29.60	-0.02	0.00
				November 6, 2017	4.00	1071.16	-	29.59	-0.01	0.00
				May 14, 2018	2.59	1072.57	-	29.59	-0.01	0.00
				November 12, 2018	2.02	1073.14	-	29.59	-0.01	0.00
				May 20, 2019	1.59	1073.57	-	29.60	-0.02	0.00
				November 4, 2019	1.48	1073.68	-	29.60	-0.02	0.00
				June 15, 2020	4.14	1071.02	-	29.71	-0.13	0.00
				November 17, 2020	4.35	1070.81	-	29.62	-0.04	0.00
				May 25, 2021	-	-	-	-	-	-
				November 10, 2021	2.55	-	-	29.19	0.39	1.90
				May 23, 2022	4.34	1070.82	-	30.15	-0.57	0.00
				November 14, 2022	5.34	1069.82	-	30.18	-0.60	0.00
MW-9114S	1082.38	10.63	5.5	April 21, 2008	6.23	1076.15	-	11.16	-0.53	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	8.15	1074.23	-	11.16	-0.53	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	7.38	1075.00	-	11.16	-0.53	0.00
				August 5, 2009	6.71	1075.67	-	11.16	-0.53	0.00
				November 30, 2009	7.51	1074.87	-	11.15	-0.52	0.00
				February 24, 2010	7.83	1074.55	-	11.17	-0.54	0.00
				May 17, 2010	6.77	1075.61	-	11.11	-0.48	0.00
				November 1, 2010	6.38	1076.00	-	11.16	-0.53	0.00
				May 9, 2011	5.54	1076.84	-	11.16	-0.53	0.00
				November 7, 2011	7.10	1075.28	-	11.18	-0.55	0.00
				May 29, 2012	7.08	1075.30	-	11.18	-0.55	0.00
				November 26, 2012	8.21	1074.17	-	11.17	-0.54	0.00
				May 6, 2013	7.03	1075.35	-	11.16	-0.53	0.00
				November 12, 2013	8.09	1074.29	-	11.12	-0.49	0.00
				May 27, 2014	6.30	1076.08	-	11.15	-0.52	0.00
				November 17, 2014	8.20	1074.18	-	11.15	-0.52	0.00
				May 19, 2015	7.89	1074.49	-	11.11	-0.48	0.00
				November 16, 2015	7.04	1075.34	-	11.13	-0.50	0.00
				May 9, 2016	7.60	1074.78	-	11.13	-0.50	0.00
				November 15, 2016	8.89	1073.49	-	11.12	-0.49	0.00
				May 16, 2017	6.40	1075.98	-	11.13	-0.50	0.00
				November 6, 2017	8.40	1073.98	-	11.12	-0.49	0.00
				May 14, 2018	6.85	1075.53	-	11.15	-0.52	0.00
				November 12, 2018	6.66	1075.72	-	11.14	-0.51	0.00
				May 20, 2019	6.13	1076.25	-	11.13	-0.50	0.00
				November 4, 2019	6.45	1075.93	-	11.15	-0.52	0.00
				June 15, 2020	8.28	1074.10	-	11.16	-0.53	0.00
				November 17, 2020	8.75	1073.63	-	11.15	-0.52	0.00
				May 25, 2021	7.17	1075.21	-	11.12	-0.49	0.00
				November 10, 2021	7.04	1075.34	-	11.14	-0.51	0.00
				May 23, 2022	7.82	1074.56	-	11.13	-0.50	0.00
				November 14, 2022	9.12	1073.26	-	11.15	-0.52	0.00

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MW-8604S	1083.02	19.00	15.0	April 21, 2008	9.22	1073.80	-	19.48	-0.48	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	9.40	1073.62	-	19.49	-0.49	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	9.19	1073.83	-	19.48	-0.48	0.00
				August 5, 2009	8.97	1074.05	-	19.46	-0.46	0.00
				November 30, 2009	9.20	1073.82	-	19.48	-0.48	0.00
				February 24, 2010	9.37	1073.65	-	19.47	-0.47	0.00
				May 17, 2010	8.98	1074.04	-	19.44	-0.44	0.00
				November 1, 2010	8.89	1074.13	-	19.48	-0.48	0.00
				May 9, 2011	8.90	1074.12	-	19.51	-0.51	0.00
				November 7, 2011	9.23	1073.79	-	19.50	-0.50	0.00
				May 29, 2012	9.09	1073.93	-	19.44	-0.44	0.00
				November 26, 2012	9.36	1073.66	-	19.50	-0.50	0.00
				May 6, 2013	9.01	1074.01	-	19.45	-0.45	0.00
				November 12, 2013	9.29	1073.73	-	19.48	-0.48	0.00
				May 27, 2014	8.86	1074.16	-	19.44	-0.44	0.00
				November 17, 2014	9.31	1073.71	-	19.47	-0.47	0.00
				May 19, 2015	9.06	1073.96	-	19.45	-0.45	0.00
				November 16, 2015	9.35	1073.67	-	19.43	-0.43	0.00
				May 9, 2016	9.49	1073.53	-	19.47	-0.47	0.00
				November 15, 2016	10.11	1072.91	-	19.50	-0.50	0.00
				May 16, 2017	8.80	1074.22	-	19.45	-0.45	0.00
				November 6, 2017	8.95	1074.07	-	19.50	-0.50	0.00
				May 14, 2018	9.10	1073.92	-	19.35	-0.35	0.00
				November 12, 2018	9.24	1073.78	-	19.47	-0.47	0.00
				May 20, 2019	8.82	1074.20	-	19.46	-0.46	0.00
				November 4, 2019	9.25	1073.77	-	19.45	-0.45	0.00
				June 15, 2020	9.85	1073.17	-	20.16	-1.16	0.00
				November 17, 2020	10.13	1072.89	-	20.15	-1.15	0.00
				May 25, 2021	9.66	1073.36	-	20.09	-1.09	0.00
				November 10, 2021	9.41	1073.61	-	20.09	-1.09	0.00
				May 23, 2022	9.43	1073.59	-	20.02	-1.02	0.00
				November 14, 2022	10.06	1072.96	-	20.08	-1.08	0.00
MW-9112S	1079.32	9.44	5.0	April 21, 2008	3.46	1075.86	-	9.59	-0.15	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	5.87	1073.45	-	9.60	-0.16	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	5.24	1074.08	-	9.58	-0.14	0.00
				August 5, 2009	4.12	1075.20	-	9.59	-0.15	0.00
				November 30, 2009	5.19	1074.13	-	9.56	-0.12	0.00
				February 24, 2010	5.96	1073.36	-	9.59	-0.15	0.00
				May 17, 2010	4.96	1074.36	-	9.55	-0.11	0.00
				November 1, 2010	3.60	1075.72	-	9.60	-0.16	0.00
				May 9, 2011	4.85	1074.47	-	9.59	-0.15	0.00
				November 7, 2011	4.71	1074.61	-	9.61	-0.17	0.00
				May 29, 2012	4.95	1074.37	-	9.64	-0.20	0.00
				November 26, 2012	6.59	1072.73	-	9.53	-0.09	0.00
				May 6, 2013	4.91	1074.41	-	9.59	-0.15	0.00
				November 12, 2013	6.01	1073.31	-	9.55	-0.11	0.00
				May 27, 2014	3.50	1075.82	-	9.59	-0.15	0.00
				November 17, 2014	7.10	1072.22	-	9.59	-0.15	0.00

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MW-9112S (cont.)	1079.32	9.44	5.0	May 19, 2015	6.14	1073.18	-	9.54	-0.10	0.00
				November 16, 2015	4.84	1074.48	-	9.55	-0.11	0.00
				May 9, 2016	5.60	1073.72	-	9.56	-0.12	0.00
				November 15, 2016	7.81	1071.51	-	9.55	-0.11	0.00
				May 16, 2017	3.80	1075.52	-	9.58	-0.14	0.00
				November 6, 2017	6.85	1072.47	-	9.55	-0.11	0.00
				May 14, 2018	5.21	1074.11	-	9.60	-0.16	0.00
				November 12, 2018	4.28	1075.04	-	9.55	-0.11	0.00
				May 20, 2019	3.35	1075.97	-	9.54	-0.10	0.00
				November 4, 2019	3.54	1075.78	-	9.56	-0.12	0.00
				June 15, 2020	6.15	1073.17	-	9.56	-0.12	0.00
				November 17, 2020	6.57	1072.75	-	9.58	-0.14	0.00
				May 25, 2021	4.86	1074.46	-	9.53	-0.09	0.00
				November 10, 2021	4.71	1074.61	-	9.56	-0.12	0.00
				May 23, 2022	5.53	1073.79	-	9.54	-0.10	0.00
				November 14, 2022	6.92	1072.40	-	9.55	-0.11	0.00
PTMW-0202*	1078.17	16.40	10.0	April 21, 2008	3.28	1074.89	-	15.88	0.52	3.20
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	5.03	1073.14	-	15.88	0.52	3.20
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	4.24	1073.93	-	15.87	0.53	3.30
				August 5, 2009	3.75	1074.42	-	15.90	0.50	3.00
				November 30, 2009	4.34	1073.83	-	15.88	0.52	3.20
				February 24, 2010	4.71	1073.46	-	15.84	0.56	3.60
				May 17, 2010	3.88	1074.29	-	15.81	0.59	3.90
				November 1, 2010	3.43	1074.74	-	15.90	0.50	3.00
				May 9, 2011	2.73	1075.44	-	15.89	0.51	3.10
				November 7, 2011	3.90	1074.27	-	15.90	0.50	3.00
				May 29, 2012	3.92	1074.25	-	15.90	0.50	3.00
				November 26, 2012	4.78	1073.39	-	15.87	0.53	3.30
				May 6, 2013	3.75	1074.42	-	15.88	0.52	3.20
				November 12, 2013	4.71	1073.46	-	15.85	0.55	3.50
				May 27, 2014	3.29	1074.88	-	15.86	0.54	3.40
				November 17, 2014	5.05	1073.12	-	15.88	0.52	3.20
				May 19, 2015	4.55	1073.62	-	16.42	-0.02	0.00
				November 16, 2015	3.79	1074.38	-	16.44	-0.04	0.00
				May 9, 2016	4.33	1073.84	-	16.45	-0.05	0.00
				November 15, 2016	5.35	1072.82	-	16.44	-0.04	0.00
				May 16, 2017	3.20	1074.97	-	16.45	-0.05	0.00
				November 6, 2017	5.25	1072.92	-	16.39	0.01	0.00
				May 14, 2018	3.60	1074.57	-	16.45	-0.05	0.00
				November 12, 2018	3.62	1074.55	-	16.42	-0.02	0.00
				May 20, 2019	3.11	1075.06	-	16.40	0.00	0.00
				November 4, 2019	3.42	1074.75	-	16.44	-0.04	0.00
				June 15, 2020	5.04	1073.13	-	16.40	0.00	0.00
				November 17, 2020	5.68	1072.49	-	16.44	-0.04	0.00
				May 25, 2021	3.93	1074.24	-	16.38	0.02	0.00
				November 10, 2021	3.91	1074.26	-	16.41	-0.01	0.00
				May 23, 2022	4.60	1073.57	-	16.39	0.01	0.00
				November 14, 2022	6.11	1072.06	-	16.41	-0.01	0.00

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MW-9111S	1076.43	15.92	10.0	April 21, 2008	2.65	1073.78	-	15.98	-0.06	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	4.42	1072.01	-	15.95	-0.03	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	3.97	1072.46	-	15.92	0.00	0.00
				August 5, 2009	3.01	1073.42	-	15.91	0.01	0.10
				November 30, 2009	3.94	1072.49	-	15.93	-0.01	0.00
				February 24, 2010	4.39	1072.04	-	15.93	-0.01	0.00
				May 17, 2010	3.35	1073.08	-	15.89	0.03	0.30
				November 1, 2010	2.72	1073.71	-	15.80	0.12	1.20
				May 9, 2011	1.83	1074.60	-	15.92	0.00	0.00
				November 7, 2011	3.41	1073.02	-	15.82	0.10	1.00
				May 29, 2012	3.60	1072.83	-	15.92	0.00	0.00
				November 26, 2012	4.54	1071.89	-	15.87	0.05	0.50
				May 6, 2013	3.43	1073.00	-	15.90	0.02	0.20
				November 12, 2013	4.64	1071.79	-	15.85	0.07	0.70
				May 27, 2014	2.81	1073.62	-	15.74	0.18	1.80
				November 17, 2014	4.67	1071.76	-	15.88	0.04	0.40
				May 19, 2015	4.60	1071.83	-	15.75	0.17	1.70
				November 16, 2015	3.32	1073.11	-	15.82	0.10	1.00
				May 9, 2016	4.00	1072.43	-	15.80	0.12	1.20
				November 15, 2016	5.41	1071.02	-	15.78	0.14	1.40
				May 16, 2017	2.79	1073.64	-	15.68	0.24	2.40
				November 6, 2017	4.88	1071.55	-	15.70	0.22	2.20
				May 14, 2018	3.35	1073.08	-	15.72	0.20	2.00
				November 12, 2018	2.91	1073.52	-	15.74	0.18	1.80
				May 20, 2019	2.40	1074.03	-	15.68	0.24	2.40
				November 4, 2019	2.43	1074.00	-	15.75	0.17	1.70
				June 15, 2020	4.95	1071.48	-	15.66	0.26	2.60
				November 17, 2020	5.26	1071.17	-	15.71	0.21	2.10
				May 25, 2021	3.66	1072.77	-	15.68	0.24	2.40
				November 10, 2021	3.39	1073.04	-	15.68	0.24	2.40
				May 23, 2022	4.44	1071.99	-	15.70	0.22	2.20
				November 14, 2022	5.57	1070.86	-	15.65	0.27	2.70
MW-9109S	1076.45	7.86	5.0	April 21, 2008	5.63	1070.82	-	7.75	0.11	2.20
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	6.88	1069.57	-	7.74	0.12	2.40
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	6.16	1070.29	-	7.74	0.12	2.40
				August 5, 2009	6.12	1070.33	-	7.78	0.08	1.60
				November 30, 2009	6.53	1069.92	-	7.73	0.13	2.60
				February 24, 2010	6.91	1069.54	-	7.73	0.13	2.60
				May 17, 2010	6.23	1070.22	-	7.71	0.15	3.00
				November 1, 2010	5.67	1070.78	-	7.75	0.11	2.20
				May 9, 2011	4.83	1071.62	-	7.76	0.10	2.00
				November 7, 2011	6.07	1070.38	-	7.78	0.08	1.60
				May 29, 2012	6.18	1070.27	-	7.78	0.08	1.60
				November 26, 2012	6.92	1069.53	-	7.75	0.11	2.20
				May 6, 2013	5.96	1070.49	-	7.74	0.12	2.40
				November 12, 2013	6.94	1069.51	-	7.71	0.15	3.00
				May 27, 2014	5.72	1070.73	-	7.70	0.16	3.20
				November 17, 2014	7.52	1068.93	-	7.73	0.13	2.60

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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)	Percent Screen Occluded By Sediments (%)
MW-9109S (cont.)	1076.45	7.86	5.0	May 19, 2015	6.98	1069.47	-	7.75	0.11	2.20
				November 16, 2015	5.92	1070.53	-	7.74	0.12	2.40
				May 9, 2016	6.45	1070.00	-	7.75	0.11	2.20
				November 15, 2016	7.36	1069.09	-	7.75	0.11	2.20
				May 16, 2017	5.40	1071.05	-	7.76	0.10	2.00
				November 6, 2017	7.18	1069.27	-	7.72	0.14	2.80
				May 14, 2018	6.00	1070.45	-	7.75	0.11	2.20
				November 12, 2018	5.52	1070.93	-	7.75	0.11	2.20
				May 20, 2019	5.27	1071.18	-	7.74	0.12	2.40
				November 4, 2019	4.73	1071.72	-	7.78	0.08	1.60
				June 15, 2020	7.27	1069.18	-	7.75	0.11	2.20
				November 17, 2020	7.70	1068.75	-	7.77	0.09	1.80
				May 25, 2021	6.44	1070.01	-	7.73	0.13	2.60
				November 10, 2021	6.39	1070.06	-	7.76	0.10	2.00
				May 23, 2022	6.88	1069.57	-	7.76	0.10	2.00
				November 14, 2022	7.70	1068.75	-	7.75	0.11	2.20
MW-8808S	1076.00	17.65	16.3	April 21, 2008	4.65	1071.35	-	16.77	0.88	5.40
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	6.58	1069.42	-	16.78	0.87	5.34
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	4.76	1071.24	-	16.74	0.91	5.58
				August 5, 2009	4.56	1071.44	-	16.75	0.90	5.52
				November 30, 2009	5.59	1070.41	-	16.75	0.90	5.52
				February 24, 2010	6.17	1069.83	-	16.75	0.90	5.52
				May 17, 2010	5.45	1070.55	-	17.65	0.00	0.00
				November 1, 2010	5.04	1070.96	-	17.71	-0.06	0.00
				May 9, 2011	4.31	1071.69	-	17.70	-0.05	0.00
				November 7, 2011	5.13	1070.87	-	17.72	-0.07	0.00
				May 29, 2012	4.71	1071.29	-	17.74	-0.09	0.00
				November 26, 2012	6.31	1069.69	-	17.72	-0.07	0.00
				May 6, 2013	4.30	1071.70	-	17.70	-0.05	0.00
				November 12, 2013	6.34	1069.66	-	17.67	-0.02	0.00
				May 27, 2014	4.72	1071.28	-	17.71	-0.06	0.00
				November 17, 2014	7.05	1068.95	-	17.72	-0.07	0.00
				May 19, 2015	6.10	1069.90	-	17.67	-0.02	0.00
				November 16, 2015	5.08	1070.92	-	17.68	-0.03	0.00
				May 9, 2016	5.74	1070.26	-	17.70	-0.05	0.00
				November 15, 2016	6.21	1069.79	-	17.67	-0.02	0.00
				May 16, 2017	4.29	1071.71	-	17.70	-0.05	0.00
				November 6, 2017	6.78	1069.22	-	17.67	-0.02	0.00
				May 14, 2018	4.83	1071.17	-	17.70	-0.05	0.00
				November 12, 2018	5.18	1070.82	-	17.68	-0.03	0.00
				May 20, 2019	4.64	1071.36	-	17.69	-0.04	0.00
				November 4, 2019	4.45	1071.55	-	17.70	-0.05	0.00
				June 15, 2020	6.33	1069.67	-	17.68	-0.03	0.00
				November 17, 2020	7.57	1068.43	-	17.70	-0.05	0.00
				May 25, 2021	5.65	1070.35	-	17.63	0.02	0.12
				November 10, 2021	4.96	1071.04	-	17.70	-0.05	0.00
				May 23, 2022	6.43	1069.57	-	17.70	-0.05	0.00
				November 14, 2022	7.76	1068.24	-	17.68	-0.03	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)	Percent Screen Occluded By Sediments (%)
MW-0201*	1077.20	18.92	5.0	April 21, 2008	5.17	1072.03	-	19.71	-0.79	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	7.11	1070.09	-	19.62	-0.70	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	5.74	1071.46	-	19.62	-0.70	0.00
				August 5, 2009	5.84	1071.36	-	19.69	-0.77	0.00
				November 30, 2009	6.08	1071.12	-	19.63	-0.71	0.00
				February 24, 2010	6.41	1070.79	-	19.67	-0.75	0.00
				May 17, 2010	5.97	1071.23	-	19.63	-0.71	0.00
				November 1, 2010	5.29	1071.91	-	19.70	-0.78	0.00
				May 9, 2011	4.86	1072.34	-	19.68	-0.76	0.00
				November 7, 2011	5.51	1071.69	-	19.64	-0.72	0.00
				May 29, 2012	5.48	1071.72	-	19.72	-0.80	0.00
				November 26, 2012	6.61	1070.59	-	19.63	-0.71	0.00
				May 6, 2013	5.16	1072.04	-	19.62	-0.70	0.00
				November 12, 2013	6.88	1070.32	-	19.63	-0.71	0.00
				May 27, 2014	5.45	1071.75	-	19.69	-0.77	0.00
				November 17, 2014	7.33	1069.87	-	19.67	-0.75	0.00
				May 19, 2015	6.57	1070.63	-	19.64	-0.72	0.00
				November 16, 2015	5.66	1071.54	-	19.67	-0.75	0.00
				May 9, 2016	6.22	1070.98	-	19.65	-0.73	0.00
				November 15, 2016	6.76	1070.44	-	19.65	-0.73	0.00
				May 16, 2017	5.00	1072.20	-	19.66	-0.74	0.00
				November 6, 2017	7.13	1070.07	-	19.63	-0.71	0.00
				May 14, 2018	5.45	1071.75	-	19.65	-0.73	0.00
				November 12, 2018	5.84	1071.36	-	19.66	-0.74	0.00
				May 20, 2019	5.25	1071.95	-	19.65	-0.73	0.00
				November 4, 2019	5.26	1071.94	-	19.66	-0.74	0.00
				June 15, 2020	6.97	1070.23	-	19.66	-0.74	0.00
				November 17, 2020	7.82	1069.38	-	19.68	-0.76	0.00
				May 5, 2021	6.26	1070.94	-	19.65	-0.73	0.00
				November 10, 2021	6.08	1071.12	-	19.66	-0.74	0.00
				May 23, 2022	6.86	1070.34	-	19.68	-0.76	0.00
				November 14, 2022	8.11	1069.09	-	19.68	-0.76	0.00
MW-9110S	1077.66	22.00	10.0	April 21, 2008	4.84	1072.82	-	20.91	1.09	10.90
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	5.11	1072.55	-	20.64	1.36	13.60
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	5.11	1072.55	-	20.64	1.36	13.60
				August 5, 2009	4.92	1072.74	-	20.69	1.31	13.10
				November 30, 2009	5.21	1072.45	-	20.65	1.35	13.50
				February 24, 2010	5.55	1072.11	-	20.53	1.47	14.70
				May 17, 2010	4.99	1072.67	-	22.00	0.00	0.00
				November 1, 2010	4.74	1072.92	-	22.06	-0.06	0.00
				May 9, 2011	4.33	1073.33	-	22.05	-0.05	0.00
				November 7, 2011	3.95	1073.71	-	22.08	-0.08	0.00
				May 29, 2012	4.94	1072.72	-	22.08	-0.08	0.00
				November 26, 2012	5.71	1071.95	-	22.01	-0.01	0.00
				May 6, 2013	4.87	1072.79	-	22.05	-0.05	0.00
				November 12, 2013	5.63	1072.03	-	22.01	-0.01	0.00
				May 27, 2014	4.70	1072.96	-	22.01	-0.01	0.00
				November 17, 2014	5.74	1071.92	-	22.04	-0.04	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)	Percent Screen Occluded By Sediments (%)
MW-9110S (cont.)	1077.66	22.00	10.0	May 19, 2015	5.42	1072.24	-	22.01	-0.01	0.00
				November 16, 2015	4.84	1072.82	-	22.02	-0.02	0.00
				May 9, 2016	5.21	1072.45	-	22.03	-0.03	0.00
				November 15, 2016	5.94	1071.72	-	22.02	-0.02	0.00
				May 16, 2017	4.42	1073.24	-	22.01	-0.01	0.00
				November 6, 2017	5.62	1072.04	-	21.95	0.05	0.50
				May 14, 2018	4.89	1072.77	-	22.01	-0.01	0.00
				November 12, 2018	4.68	1072.98	-	22.00	0.00	0.00
				May 20, 2019	4.35	1073.31	-	22.01	-0.01	0.00
				November 4, 2019	4.59	1073.07	-	22.02	-0.02	0.00
				June 15, 2020	5.74	1071.92	-	21.74	0.26	2.60
				November 17, 2020	6.21	1071.45	-	22.00	0.00	0.00
				May 25, 2021	5.23	1072.43	-	21.96	0.04	0.40
				November 10, 2021	5.39	1072.27	-	21.92	0.08	0.80
				May 23, 2022	5.61	1072.05	-	21.68	0.32	3.20
				November 14, 2022	6.39	1071.27	-	21.89	0.11	1.10
MW-8807S	1077.89	17.94	16.3	April 21, 2008	4.50	1073.39	-	15.54	2.40	14.72
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	5.21	1072.68	-	15.37	2.57	15.77
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	4.75	1073.14	-	15.39	2.55	15.64
				August 5, 2009	4.40	1073.49	-	15.46	2.48	15.21
				November 30, 2009	4.76	1073.13	-	15.43	2.51	15.40
				February 24, 2010	5.10	1072.79	-	15.38	2.56	15.71
				May 17, 2010	4.53	1073.36	-	17.94	0.00	0.00
				November 1, 2010	4.38	1073.51	-	17.98	-0.04	0.00
				May 9, 2011	4.15	1073.74	-	17.97	-0.03	0.00
				November 7, 2011	4.61	1073.28	-	17.98	-0.04	0.00
				May 29, 2012	4.65	1073.24	-	17.99	-0.05	0.00
				November 26, 2012	5.19	1072.70	-	17.98	-0.04	0.00
				May 6, 2013	4.56	1073.33	-	17.98	-0.04	0.00
				November 12, 2013	5.91	1071.98	-	17.94	0.00	0.00
				May 27, 2014	4.39	1073.50	-	17.97	-0.03	0.00
				November 17, 2014	5.32	1072.57	-	17.95	-0.01	0.00
				May 19, 2015	4.90	1072.99	-	17.95	-0.01	0.00
				November 16, 2015	4.45	1073.44	-	17.98	-0.04	0.00
				May 9, 2016	4.86	1073.03	-	17.97	-0.03	0.00
				November 15, 2016	5.53	1072.36	-	17.96	-0.02	0.00
				May 16, 2017	4.05	1073.84	-	17.98	-0.04	0.00
				November 6, 2017	5.19	1072.70	-	17.96	-0.02	0.00
				May 14, 2018	4.41	1073.48	-	17.98	-0.04	0.00
				November 12, 2018	4.33	1073.56	-	17.95	-0.01	0.00
				May 20, 2019	4.19	1073.70	-	17.96	-0.02	0.00
				November 4, 2019	4.29	1073.60	-	17.97	-0.03	0.00
				June 15, 2020	5.33	1072.56	-	17.95	-0.01	0.00
				November 17, 2020	5.88	1072.01	-	17.98	-0.04	0.00
				May 25, 2021	4.68	1073.21	-	17.94	0.00	0.00
				November 10, 2021	4.83	1073.06	-	17.98	-0.04	0.00
				May 23, 2022	5.08	1072.81	-	17.91	0.03	0.18
				November 14, 2022	6.09	1071.80	-	17.92	0.02	0.12

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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)	Percent Screen Occluded By Sediments (%)
MW-0301*	1075.36	18.72	10.0	April 21, 2008	4.38	1070.98	-	18.57	0.15	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	6.35	1069.01	-	18.58	0.14	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	4.58	1070.78	-	18.56	0.16	0.00
				August 5, 2009	5.16	1070.20	-	18.52	0.20	0.00
				November 30, 2009	5.34	1070.02	-	18.54	0.18	0.00
				February 24, 2010	5.91	1069.45	-	18.54	0.18	0.00
				May 17, 2010	5.16	1070.20	-	18.72	0.00	0.00
				November 1, 2010	4.69	1070.67	-	18.75	-0.03	0.00
				May 9, 2011	3.94	1071.42	-	18.74	-0.02	0.00
				November 7, 2011	4.80	1070.56	-	18.78	-0.06	0.00
				May 29, 2012	4.45	1070.91	-	18.78	-0.06	0.00
				November 26, 2012	6.01	1069.35	-	18.74	-0.02	0.00
				May 6, 2013	4.06	1071.30	-	18.50	0.22	0.20
				November 12, 2013	6.07	1069.29	-	18.72	0.00	0.00
				May 27, 2014	4.42	1070.94	-	18.75	-0.03	0.00
				November 17, 2014	6.68	1068.68	-	18.79	-0.07	0.00
				May 19, 2015	5.88	1069.48	-	18.74	-0.02	0.00
				November 16, 2015	4.72	1070.64	-	18.73	-0.01	0.00
				May 9, 2016	5.39	1069.97	-	18.73	-0.01	0.00
				November 15, 2016	5.99	1069.37	-	18.74	-0.02	0.00
				May 16, 2017	4.01	1071.35	-	18.75	-0.03	0.00
				November 6, 2017	6.35	1069.01	-	18.72	0.00	0.00
				May 14, 2018	4.69	1070.67	-	18.75	-0.03	0.00
				November 12, 2018	4.80	1070.56	-	18.76	-0.04	0.00
				May 20, 2019	4.29	1071.07	-	18.74	-0.02	0.00
				November 4, 2019	4.11	1071.25	-	18.72	0.00	0.00
				June 15, 2020	6.16	1069.20	-	18.73	-0.01	0.00
				November 17, 2020	7.05	1068.31	-	18.75	-0.03	0.00
				May 25, 2021	5.47	1069.89	-	18.75	-0.03	0.00
				November 10, 2021	4.71	1070.65	-	18.78	-0.06	0.00
				May 23, 2022	6.21	1069.15	-	18.73	-0.01	0.00
				November 14, 2022	7.22	1068.14	-	18.77	-0.05	0.00
MW-8806S	1079.10	19.30	16.3	April 21, 2008	4.73	1074.37	-	18.66	0.64	3.93
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	5.72	1073.38	-	18.67	0.63	3.87
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	5.30	1073.80	-	18.60	0.70	4.29
				August 5, 2009	4.80	1074.30	-	18.67	0.63	3.87
				November 30, 2009	5.23	1073.87	-	18.56	0.74	4.54
				February 24, 2010	5.62	1073.48	-	18.65	0.65	3.99
				May 17, 2010	4.97	1074.13	-	19.30	0.00	0.00
				November 1, 2010	4.65	1074.45	-	19.37	-0.07	0.00
				May 9, 2011	4.33	1074.77	-	19.35	-0.05	0.00
				November 7, 2011	5.09	1074.01	-	19.38	-0.08	0.00
				May 29, 2012	5.02	1074.08	-	19.37	-0.07	0.00
				November 26, 2012	5.64	1073.46	-	19.34	-0.04	0.00
				May 6, 2013	4.91	1074.19	-	19.35	-0.05	0.00
				November 12, 2013	5.62	1073.48	-	19.30	0.00	0.00
				May 27, 2014	4.64	1074.46	-	19.34	-0.04	0.00
				November 17, 2014	5.52	1073.58	-	19.32	-0.02	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)	Percent Screen Occluded By Sediments (%)
MW-8806S (cont.)	1079.10	19.30	16.3	May 19, 2015	5.16	1073.94	-	19.29	0.01	0.06
				November 16, 2015	4.88	1074.22	-	19.30	0.00	0.00
				May 9, 2016	5.32	1073.78	-	19.30	0.00	0.00
				November 15, 2016	6.21	1072.89	-	19.31	-0.01	0.00
				May 16, 2017	4.16	1074.94	-	19.30	0.00	0.00
				November 6, 2017	5.75	1073.35	-	19.30	0.00	0.00
				May 14, 2018	4.78	1074.32	-	19.30	0.00	0.00
				November 12, 2018	4.74	1074.36	-	19.29	0.01	0.06
				May 20, 2019	4.34	1074.76	-	19.29	0.01	0.06
				November 6, 2019	4.85	1074.25	-	19.30	0.00	0.00
				June 15, 2020	5.83	1073.27	-	19.31	-0.01	0.00
				November 17, 2020	6.29	1072.81	-	19.32	-0.02	0.00
				May 25, 2021	5.05	1074.05	-	19.25	0.05	0.31
				November 10, 2021	5.19	1073.91	-	19.28	0.02	0.12
				May 23, 2022	5.51	1073.59	-	19.29	0.01	0.06
				November 14, 2022	6.28	1072.82	-	19.19	0.11	0.67
AW-01	1079.68	15.04	11.7	April 21, 2008	5.20	1074.73	-	15.26	0.03	0.26
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	15.29	0.00	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	15.23	0.06	0.51
				August 5, 2009	4.88	1075.05	-	15.12	0.17	1.45
				November 30, 2009	-	-	-	15.23	0.06	0.51
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	14.70	0.59	5.04
				November 1, 2010	4.68	1075.25	-	14.40	0.89	7.61
				May 9, 2011	4.77	1074.91	-	14.35	0.69	5.90
				November 7, 2011	4.83	1074.85	-	14.53	0.51	4.36
				May 29, 2012	4.85	1074.83	-	14.52	0.52	4.44
				November 26, 2012	5.16	1074.52	-	14.40	0.64	5.47
				May 6, 2013	4.89	1074.79	-	15.14	-0.10	0.00
				November 12, 2013	4.82	1074.86	-	15.12	-0.08	0.00
				May 27, 2014	4.78	1074.90	-	14.99	0.05	0.43
				May 19, 2015	-	-	-	15.00	0.04	0.34
				May 9, 2016	4.86	1074.82	-	15.50	-0.46	0.00
				May 16, 2017	4.60	1075.08	-	14.98	0.06	0.51
				May 14, 2018	4.80	1074.88	-	15.05	-0.01	0.00
				May 20, 2019	4.51	1075.17	-	14.91	0.13	1.11
				June 15, 2020	-	-	-	14.98	0.06	0.51
				May 25, 2021	-	-	-	14.96	0.08	0.68
				May 23, 2022	-	-	-	14.91	0.13	1.11
AW-02	1079.57	14.69	6.0	April 21, 2008	4.85	1074.72	-	13.79	0.90	15.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	13.70	0.99	16.50
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	13.48	1.21	20.17
				August 5, 2009	4.54	1075.03	-	13.41	1.28	21.33
				November 30, 2009	-	-	-	13.29	1.40	23.33
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	14.53	0.16	2.67
				November 1, 2010	4.47	1075.10	-	14.34	0.35	5.83
				May 9, 2011	4.55	1075.02	-	14.33	0.36	6.00

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AW-02 (cont.)	1079.57	14.69	6.0	November 7, 2011	4.60	1074.97	-	14.45	0.24	4.00
				May 29, 2012	4.61	1074.96	-	14.31	0.38	6.33
				November 26, 2012	4.95	1074.62	-	14.34	0.35	5.83
				May 6, 2013	4.65	1074.92	-	14.29	0.40	6.67
				November 12, 2013	4.61	1074.96	-	14.37	0.32	5.33
				May 27, 2014	4.52	1075.05	-	14.28	0.41	6.83
				May 19, 2015	-	-	-	14.27	0.42	7.00
				May 9, 2016	4.68	1074.89	-	14.33	0.36	6.00
				May 16, 2017	4.39	1075.18	-	14.20	0.49	8.17
				May 14, 2018	4.60	1074.97	-	14.19	0.50	8.33
				May 20, 2019	4.33	1075.24	-	13.99	0.70	11.67
				June 15, 2020	-	-	-	14.14	0.55	9.17
				May 25, 2021	-	-	-	14.16	0.53	8.83
				May 23, 2022	-	-	-	14.07	0.62	10.33
AW-03	1079.69	17.13	8.0	April 21, 2008	4.96	1074.73	-	14.83	2.30	28.75
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	14.65	2.48	31.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	14.27	2.86	35.75
				August 5, 2009	4.93	1074.76	-	14.35	2.78	34.75
				November 30, 2009	-	-	-	14.25	2.88	36.00
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	17.13	0.00	0.00
				November 1, 2010	4.56	1075.13	-	17.21	-0.08	0.00
				May 9, 2011	4.68	1075.01	-	17.10	0.03	0.37
				November 7, 2011	4.69	1075.00	-	17.15	-0.02	0.00
				May 29, 2012	4.73	1074.96	-	17.01	0.12	1.50
				November 26, 2012	5.05	1074.64	-	17.15	-0.02	0.00
				May 6, 2013	4.77	1074.92	-	17.10	0.03	0.37
				November 12, 2013	4.71	1074.98	-	17.12	0.01	0.12
				May 27, 2014	4.66	1075.03	-	16.97	0.16	2.00
				May 19, 2015	-	-	-	17.05	0.08	1.00
				May 9, 2016	4.79	1074.90	-	17.10	0.03	0.37
				May 16, 2017	4.45	1075.24	-	16.88	0.25	3.13
				May 14, 2018	4.67	1075.02	-	16.90	0.23	2.88
				May 20, 2019	4.41	1075.28	-	16.89	0.24	3.00
				June 15, 2020	-	-	-	16.72	0.41	5.13
				May 25, 2021	-	-	-	16.93	0.20	2.50
				May 23, 2022	-	-	-	16.90	0.23	2.88
AW-04	1081.31	18.97	10.0	April 21, 2008	7.01	1074.73	-	17.95	1.45	14.50
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	17.75	1.65	16.50
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	17.52	1.88	18.80
				August 5, 2009	6.71	1075.03	-	17.59	1.81	18.10
				November 30, 2009	-	-	-	17.32	2.08	20.80
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	19.40	0.00	0.00
				November 1, 2010	6.45	1075.29	-	19.28	0.12	1.20
				May 9, 2011	6.54	1074.77	-	19.27	-0.30	0.00
				November 7, 2011	6.58	1074.73	-	19.26	-0.29	0.00
				May 29, 2012	6.60	1074.71	-	19.30	-0.33	0.00

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AW-04 (cont.)	1081.31	18.97	10.0	November 26, 2012	6.93	1074.38	-	19.23	-0.26	0.00
				May 6, 2013	6.65	1074.66	-	19.24	-0.27	0.00
				November 12, 2013	6.95	1074.36	-	19.14	-0.17	0.00
				May 27, 2014	6.51	1074.80	-	19.22	-0.25	0.00
				May 19, 2015	-	-	-	19.19	-0.22	0.00
				May 9, 2016	6.64	1074.67	-	19.24	-0.27	0.00
				May 16, 2017	6.32	1074.99	-	19.20	-0.23	0.00
				May 14, 2018	6.42	1074.89	-	19.24	-0.27	0.00
				May 20, 2019	6.24	1075.07	-	19.16	-0.19	0.00
				June 15, 2020	-	-	-	19.29	-0.32	0.00
				May 25, 2021	-	-	-	19.20	-0.23	0.00
				May 23, 2022	-	-	-	19.17	-0.20	0.00
AW-05	1081.00	16.25	8.5	April 21, 2008	6.27	1074.73	-	15.54	0.71	8.35
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	15.65	0.60	7.06
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	15.21	1.04	12.24
				August 5, 2009	5.98	1075.02	-	15.38	0.87	10.24
				November 30, 2009	-	-	-	15.15	1.10	12.94
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	16.25	0.00	0.00
				November 1, 2010	5.88	1075.12	-	16.36	-0.11	0.00
				May 9, 2011	5.99	1075.01	-	16.23	0.02	0.24
				November 7, 2011	6.01	1074.99	-	16.25	0.00	0.00
				May 29, 2012	6.05	1074.95	-	16.30	-0.05	0.00
				November 26, 2012	6.35	1074.65	-	16.24	0.01	0.12
				May 6, 2013	6.08	1074.92	-	16.29	-0.04	0.00
				November 12, 2013	6.82	1074.18	-	16.20	0.05	0.59
				May 27, 2014	5.96	1075.04	-	16.22	0.03	0.35
				May 19, 2015	-	-	-	16.19	0.06	0.71
				May 9, 2016	6.09	1074.91	-	16.20	0.05	0.59
				May 16, 2017	5.76	1075.24	-	16.22	0.03	0.35
				May 14, 2018	6.00	1075.00	-	16.23	0.02	0.24
				May 20, 2019	5.72	1075.28	-	16.16	0.09	1.06
				June 15, 2020	-	-	-	16.25	0.00	0.00
				May 25, 2021	-	-	-	16.14	0.11	1.29
				May 23, 2022	-	-	-	16.22	0.03	0.35
AW-06	1080.72	14.80	9.0	April 21, 2008	6.00	1074.72	-	14.45	0.35	3.89
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	14.83	-0.03	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	14.11	0.69	7.67
				August 5, 2009	5.71	1075.01	-	13.90	0.90	10.00
				November 30, 2009	-	-	-	14.00	0.80	8.89
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	13.76	1.04	11.56
				November 1, 2010	5.61	1075.11	-	13.60	1.20	13.33
				May 9, 2011	5.71	1075.01	-	13.65	1.15	12.78
				November 7, 2011	5.74	1074.98	-	13.76	1.04	11.56
				May 29, 2012	5.78	1074.94	-	13.72	1.08	12.00
				November 26, 2012	6.08	1074.64	-	13.74	1.06	11.78
				May 6, 2013	5.81	1074.91	-	14.85	-0.05	0.00

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AW-06 (cont.)	1080.72	14.80	9.0	November 12, 2013	5.73	1074.99	-	14.28	0.52	5.78
				May 27, 2014	5.68	1075.04	-	14.51	0.29	3.22
				May 19, 2015	-	-	-	14.76	0.04	0.44
				May 9, 2016	5.82	1074.90	-	14.69	0.11	1.22
				May 16, 2017	5.51	1075.21	-	14.51	0.29	3.22
				May 14, 2018	5.67	1075.05	-	14.51	0.29	3.22
				May 20, 2019	5.44	1075.28	-	14.45	0.35	3.89
				June 15, 2020	-	-	-	14.50	0.30	3.33
				May 25, 2021	-	-	-	14.41	0.39	4.33
				May 23, 2022	-	-	-	14.46	0.34	3.78
AW-07	1080.38	14.56	9.0	April 21, 2008	5.65	1074.73	-	14.40	0.16	1.78
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	14.47	0.09	1.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	14.42	0.14	1.56
				August 5, 2009	5.38	1075.00	-	14.41	0.15	1.67
				November 30, 2009	-	-	-	14.32	0.24	2.67
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	14.25	0.31	3.44
				November 1, 2010	5.27	1075.11	-	14.35	0.21	2.33
				May 9, 2011	5.36	1075.02	-	14.35	0.21	2.33
				November 7, 2011	5.40	1074.98	-	14.40	0.16	1.78
				May 29, 2012	5.44	1074.94	-	14.38	0.18	2.00
				November 26, 2012	5.74	1074.64	-	14.36	0.20	2.22
				May 6, 2013	5.46	1074.92	-	14.35	0.21	2.33
				November 12, 2013	5.43	1074.95	-	14.33	0.23	2.56
				May 27, 2014	5.34	1075.04	-	14.19	0.37	4.11
				May 19, 2015	-	-	-	14.32	0.24	2.67
				May 9, 2016	5.47	1074.91	-	14.28	0.28	3.11
				May 16, 2017	5.11	1075.27	-	14.22	0.34	3.78
				May 14, 2018	5.35	1075.03	-	14.25	0.31	3.44
				May 20, 2019	5.10	1075.28	-	14.13	0.43	4.78
				June 15, 2020	-	-	-	14.16	0.40	4.44
				May 25, 2021	-	-	-	14.13	0.43	4.78
				May 23, 2022	-	-	-	14.12	0.44	4.89
AW-08	1079.93	13.95	8.0	April 21, 2008	5.59	1074.67	-	14.21	0.07	0.87
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	14.32	-0.04	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	14.22	0.06	0.75
				August 5, 2009	5.25	1075.01	-	14.12	0.16	2.00
				November 30, 2009	-	-	-	14.18	0.10	1.25
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	13.87	0.41	5.13
				November 1, 2010	5.02	1075.24	-	13.97	0.31	3.87
				May 9, 2011	5.11	1074.82	-	13.74	0.21	2.62
				November 7, 2011	5.16	1074.77	-	13.32	0.63	7.87
				May 29, 2012	5.19	1074.74	-	13.29	0.66	8.25
				November 26, 2012	5.49	1074.44	-	13.27	0.68	8.50
				May 6, 2013	5.23	1074.70	-	14.15	-0.20	0.00
				November 12, 2013	5.18	1074.75	-	13.75	0.20	2.50
				May 27, 2014	5.10	1074.83	-	13.21	0.74	9.25

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AW-08 (cont.)	1079.93	13.95	8.0	May 19, 2015	-	-	-	13.27	0.68	8.50
				May 9, 2016	5.22	1074.71	-	13.29	0.66	8.25
				May 16, 2017	4.90	1075.03	-	13.28	0.67	8.38
				May 14, 2018	5.10	1074.83	-	13.28	0.67	8.38
				May 20, 2019	4.87	1075.06	-	13.26	0.69	8.62
				June 15, 2020	-	-	-	13.19	0.76	9.50
				May 25, 2021	-	-	-	13.21	0.74	9.25
				May 23, 2022	-	-	-	13.16	0.79	9.87
AW-09	1080.15	15.13	7.5	April 21, 2008	5.42	1074.73	-	15.11	0.02	0.27
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	15.19	-0.06	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	14.95	0.18	2.40
				August 5, 2009	5.13	1075.02	-	14.90	0.23	3.07
				November 30, 2009	-	-	-	14.80	0.33	4.40
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	13.72	1.41	18.80
				November 1, 2010	5.03	1075.12	-	13.75	1.38	18.40
				May 9, 2011	5.12	1075.03	-	14.85	0.28	3.73
				November 7, 2011	5.17	1074.98	-	14.79	0.34	4.53
				May 29, 2012	5.18	1074.97	-	14.82	0.31	4.13
				November 26, 2012	5.51	1074.64	-	14.83	0.30	4.00
				May 6, 2013	5.25	1074.90	-	14.90	0.23	3.07
				November 12, 2013	5.16	1074.99	-	14.75	0.38	5.07
				May 27, 2014	5.12	1075.03	-	14.29	0.84	11.20
				May 19, 2015	-	-	-	14.65	0.48	6.40
				May 9, 2016	5.23	1074.92	-	14.60	0.53	7.07
				May 16, 2017	4.87	1075.28	-	14.43	0.70	9.33
				May 14, 2018	5.13	1075.02	-	14.44	0.69	9.20
				May 20, 2019	4.86	1075.29	-	14.45	0.68	9.07
				June 15, 2020	-	-	-	14.31	0.82	10.93
				May 25, 2021	-	-	-	14.25	0.88	11.73
				May 23, 2022	-	-	-	14.27	0.86	11.47
AW-10	1079.78	15.90	7.0	April 21, 2008	5.04	1074.74	-	15.90	0.00	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	15.92	-0.02	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	15.33	0.57	8.14
				August 5, 2009	4.77	1075.01	-	15.50	0.40	5.71
				November 30, 2009	-	-	-	15.30	0.60	8.57
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	15.24	0.66	9.43
				November 1, 2010	4.66	1075.12	-	15.14	0.76	10.86
				May 9, 2011	4.73	1075.05	-	14.80	1.10	15.71
				November 7, 2011	4.77	1075.01	-	15.37	0.53	7.57
				May 29, 2012	4.80	1074.98	-	15.25	0.65	9.29
				November 26, 2012	5.13	1074.65	-	15.20	0.70	10.00
				May 6, 2013	4.85	1074.93	-	15.92	-0.02	0.00
				November 12, 2013	4.81	1074.97	-	15.55	0.35	5.00
				May 27, 2014	4.73	1075.05	-	14.72	1.18	16.86
				May 19, 2015	-	-	-	15.10	0.80	11.43
				May 9, 2016	4.87	1074.91	-	14.85	1.05	15.00

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AW-10 (cont.)	1079.78	15.90	7.0	May 16, 2017	4.52	1075.26	-	14.78	1.12	16.00
				May 14, 2018	4.81	1074.97	-	14.80	1.10	15.71
				May 20, 2019	4.52	1075.26	-	14.71	1.19	17.00
				June 15, 2020	-	-	-	14.68	1.22	17.43
				May 25, 2021	-	-	-	14.88	1.02	14.57
				May 23, 2022	-	-	-	14.67	1.23	17.57
AW-11	1080.20	16.30	7.0	April 21, 2008	6.01	1074.73	-	16.19	0.11	1.57
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	16.26	0.04	0.57
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	16.12	0.18	2.57
				August 5, 2009	5.72	1075.02	-	16.02	0.28	4.00
				November 30, 2009	-	-	-	15.80	0.50	7.14
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	15.60	0.70	10.00
				November 1, 2010	5.29	1075.45	-	15.27	1.03	14.71
				May 9, 2011	5.42	1074.78	-	15.76	0.54	7.71
				November 7, 2011	4.45	1075.75	-	14.93	1.37	19.57
				May 29, 2012	5.47	1074.73	-	15.13	1.17	16.71
				November 26, 2012	5.80	1074.40	-	15.04	1.26	18.00
				May 6, 2013	5.52	1074.68	-	15.92	0.38	5.43
				November 12, 2013	5.45	1074.75	-	15.67	0.63	9.00
				May 27, 2014	5.40	1074.80	-	15.54	0.76	10.86
				May 19, 2015	-	-	-	15.52	0.78	11.14
				May 9, 2016	5.52	1074.68	-	15.57	0.73	10.43
				May 16, 2017	5.15	1075.05	-	15.56	0.74	10.57
				May 14, 2018	5.46	1074.74	-	15.56	0.74	10.57
				May 20, 2019	5.12	1075.08	-	15.50	0.80	11.43
				June 15, 2020	-	-	-	15.53	0.77	11.00
				May 25, 2021	-	-	-	15.41	0.89	12.71
				May 23, 2022	-	-	-	15.40	0.90	12.86
AW-12*	1079.47	19.43	10.0	April 21, 2008	4.73	1074.74	-	19.39	0.04	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	19.76	-0.33	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	18.72	19.22	0.21	0.00
				August 5, 2009	4.42	1075.05	18.8	19.30	0.13	0.00
				November 30, 2009	4.42	1075.05	18.06	19.40	0.03	0.00
				February 24, 2010	4.72	1074.75	18.88	19.38	0.05	0.00
				May 17, 2010	4.44	1075.03	19.17	19.37	0.06	0.00
				November 1, 2010	4.32	1075.15	19.06	19.76	-0.33	0.00
				May 9, 2011	4.43	1075.04	19.26	19.76	-0.33	0.00
				November 7, 2011	4.47	1075.00	19.26	19.76	-0.33	0.00
				May 29, 2012	4.51	1074.96	-	19.73	-0.30	0.00
				November 26, 2012	4.83	1074.64	-	19.73	-0.30	0.00
				May 6, 2013	4.55	1074.92	-	19.73	-0.30	0.00
				November 12, 2013	4.48	1074.99	-	19.73	-0.30	0.00
				May 27, 2014	4.42	1075.05	-	18.65	0.78	0.00
				November 17, 2014	-	-	-	19.32	0.11	0.00
				May 19, 2015	-	-	-	19.23	0.20	0.00
				November 18, 2015	-	-	-	-	-	-
				May 9, 2016	4.58	1074.89	-	18.50	0.93	0.00

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AW-12* (cont.)	1079.47	19.43	10.0	November 15, 2016	4.38	1075.09	-	18.55	0.88	0.00
				May 16, 2017	4.41	1075.06	-	19.25	0.18	0.00
				November 6, 2017	4.57	1074.90	-	19.05	0.38	0.00
				May 14, 2018	4.40	1075.07	-	19.40	0.03	0.00
				November 14, 2018	4.29	1075.18	-	19.29	0.14	0.00
				May 22, 2019	4.36	1075.11	-	19.33	0.10	0.00
				November 4, 2019	4.44	1075.03	-	19.28	0.15	0.00
				June 15, 2020	-	-	-	19.25	0.18	0.00
				November 17, 2020	-	-	-	19.30	0.13	0.00
				May 27, 2021	4.59	1074.88	-	19.31	0.12	0.00
				November 10, 2021	4.71	1074.76	-	19.29	0.14	0.00
				May 23, 2022	4.75	1074.72	-	18.45	0.98	0.00
AW-13	1079.39	19.00	11.0	April 21, 2008	4.66	1074.73	-	19.02	-0.02	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	19.35	-0.35	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	18.84	0.16	1.45
				August 5, 2009	4.37	1075.02	-	18.98	0.02	0.18
				November 30, 2009	-	-	-	18.84	0.16	1.45
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	18.89	0.11	1.00
				November 1, 2010	4.25	1075.14	-	18.54	0.46	4.18
				May 9, 2011	4.37	1075.02	-	18.63	0.37	3.36
				November 7, 2011	4.40	1074.99	-	18.45	0.55	5.00
				May 29, 2012	4.42	1074.97	-	18.57	0.43	3.91
				November 26, 2012	4.74	1074.65	-	18.55	0.45	4.09
				May 6, 2013	4.47	1074.92	-	18.54	0.46	4.18
				November 12, 2013	4.41	1074.98	-	18.42	0.58	5.27
				May 27, 2014	4.35	1075.04	-	18.25	0.75	6.82
				May 19, 2015	-	-	-	18.20	0.80	7.27
				May 9, 2016	4.45	1074.94	-	18.27	0.73	6.64
				May 16, 2017	4.13	1075.26	-	18.25	0.75	6.82
				May 14, 2018	4.40	1074.99	-	18.20	0.80	7.27
				May 20, 2019	4.12	1075.27	-	18.26	0.74	6.73
				June 15, 2020	-	-	-	18.16	0.84	7.64
				May 25, 2021	-	-	-	18.07	0.93	8.45
				May 23, 2022	-	-	-	18.11	0.89	8.09
AW-14	1079.60	23.05	4.0	April 21, 2008	4.01	1075.59	-	20.05	3.00	75.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	20.05	3.00	75.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	19.91	3.14	78.50
				August 5, 2009	4.26	1075.34	-	19.97	3.08	77.00
				November 30, 2009	-	-	-	19.90	3.15	78.75
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	20.15	2.90	72.50
				November 1, 2010	4.22	1075.38	-	19.86	3.19	79.75
				May 9, 2011	3.39	1076.21	-	21.05	2.00	50.00
				November 7, 2011	4.45	1075.15	-	21.94	1.11	27.75
				May 29, 2012	4.25	1075.35	-	20.80	2.25	56.25
				November 26, 2012	5.34	1074.26	-	20.75	2.30	57.50
				May 6, 2013	4.27	1075.33	-	20.65	2.40	60.00

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AW-14 (cont.)	1079.60	23.05	4.0	November 12, 2013	5.28	1074.32	-	20.73	2.32	58.00
				May 27, 2014	3.79	1075.81	-	20.66	2.39	59.75
				May 19, 2015	-	-	-	20.57	2.48	62.00
				May 9, 2016	4.80	1074.80	-	20.60	2.45	61.25
				May 16, 2017	3.80	1075.80	-	20.64	2.41	60.25
				May 14, 2018	4.10	1075.50	-	20.64	2.41	60.25
				May 20, 2019	3.52	1076.08	-	20.58	2.47	61.75
				June 15, 2020	-	-	-	20.59	2.46	61.50
				May 25, 2021	-	-	-	20.57	2.48	62.00
				May 23, 2022	-	-	-	20.59	2.46	61.50
AW-15	1079.85	19.33	3.0	April 21, 2008	4.27	1075.58	-	19.34	-0.01	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	19.34	-0.01	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	19.30	0.03	1.00
				August 5, 2009	4.52	1075.33	-	19.35	-0.02	0.00
				November 30, 2009	-	-	-	19.30	0.03	1.00
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	19.28	0.05	1.67
				November 1, 2010	4.41	1075.44	-	19.86	-0.53	0.00
				May 9, 2011	3.66	1076.19	-	19.29	0.04	1.33
				November 7, 2011	4.69	1075.16	-	19.36	-0.03	0.00
				May 29, 2012	4.51	1075.34	-	19.32	0.01	0.33
				November 26, 2012	5.60	1074.25	-	19.31	0.02	0.67
				May 6, 2013	4.53	1075.32	-	19.10	0.23	7.67
				November 12, 2013	5.56	1074.29	-	19.26	0.07	2.33
				May 27, 2014	4.01	1075.84	-	19.08	0.25	8.33
				May 19, 2015	-	-	-	19.42	-0.09	0.00
				May 9, 2016	5.05	1074.80	-	19.25	0.08	2.67
				May 16, 2017	4.01	1075.84	-	19.26	0.07	2.33
				May 14, 2018	4.35	1075.50	-	19.26	0.07	2.33
				May 20, 2019	3.60	1076.25	-	19.28	0.05	1.67
				June 15, 2020	-	-	-	19.12	0.21	7.00
				May 25, 2021	-	-	-	19.22	0.11	3.67
				May 23, 2022	-	-	-	19.16	0.17	5.67
AW-16	1079.61	18.39	3.0	April 21, 2008	4.04	1075.57	-	17.76	0.63	21.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	17.70	0.69	23.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	-	-	-	17.69	0.70	23.33
				August 5, 2009	4.30	1075.31	-	17.71	0.68	22.67
				November 30, 2009	-	-	-	17.69	0.70	23.33
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	-	-	-	18.39	0.00	0.00
				November 1, 2010	4.19	1075.42	-	18.47	-0.08	0.00
				May 9, 2011	3.39	1076.22	-	18.46	-0.07	0.00
				November 7, 2011	4.44	1075.17	-	18.48	-0.09	0.00
				May 29, 2012	4.29	1075.32	-	18.47	-0.08	0.00
				November 26, 2012	5.37	1074.24	-	18.45	-0.06	0.00
				May 6, 2013	4.32	1075.29	-	18.42	-0.03	0.00
				November 12, 2013	5.31	1074.30	-	18.39	0.00	0.00
				May 27, 2014	3.86	1075.75	-	18.40	-0.01	0.00

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AW-16 (cont.)	1079.61	18.39	3.0	May 19, 2015	-	-	-	18.39	0.00	0.00
				May 9, 2016	4.86	1074.75	-	18.44	-0.05	0.00
				May 16, 2017	3.83	1075.78	-	18.45	-0.06	0.00
				May 14, 2018	4.21	1075.40	-	18.45	-0.06	0.00
				May 20, 2019	3.46	1076.15	-	18.47	-0.08	0.00
				June 15, 2020	-	-	-	18.42	-0.03	0.00
				May 25, 2021	-	-	-	18.32	0.07	2.33
				May 23, 2022	-	-	-	18.43	-0.04	0.00
PMW-01	1079.56	14.65	6.0	April 21, 2008	4.83	1074.73	-	14.67	-0.02	0.00
				May 6, 2008	4.85	1074.71	-	14.50	0.15	2.50
				August 5, 2008	4.76	1074.80	-	14.52	0.13	2.17
				November 10, 2008	4.83	1074.73	-	14.62	0.03	0.50
				February 17, 2009	4.50	1075.06	-	14.50	0.15	2.50
				May 11, 2009	4.64	1074.92	-	14.47	0.18	3.00
				August 5, 2009	4.53	1075.03	-	14.52	0.13	2.17
				November 30, 2009	4.46	1075.10	-	14.41	0.24	4.00
				February 24, 2010	4.65	1074.91	-	14.52	0.13	2.17
				May 17, 2010	4.62	1074.94	-	14.48	0.17	2.83
				November 1, 2010	4.45	1075.11	-	14.47	0.18	3.00
				May 9, 2011	4.54	1075.02	-	14.47	0.18	3.00
				November 7, 2011	4.57	1074.99	-	14.50	0.15	2.50
				May 29, 2012	4.60	1074.96	-	14.51	0.14	2.33
				November 26, 2012	4.93	1074.63	-	14.45	0.20	3.33
				May 6, 2013	4.64	1074.92	-	14.44	0.21	3.50
				November 12, 2013	4.59	1074.97	-	14.44	0.21	3.50
				May 27, 2014	4.54	1075.02	-	14.44	0.21	3.50
				November 17, 2014	4.00	1075.56	-	14.40	0.25	4.17
				May 19, 2015	4.39	1075.17	-	14.40	0.25	4.17
				November 16, 2015	4.69	1074.87	-	14.46	0.19	3.17
				May 9, 2016	4.63	1074.93	-	14.43	0.22	3.67
				November 15, 2016	4.97	1074.59	-	14.38	0.27	4.50
				May 16, 2017	4.31	1075.25	-	14.40	0.25	4.17
				November 6, 2017	-	-	-	-	-	-
				May 14, 2018	4.65	1074.91	-	14.40	0.25	4.17
				November 12, 2018	4.45	1075.11	-	14.43	0.22	3.67
				May 20, 2019	4.29	1075.27	-	14.41	0.24	4.00
				November 4, 2019	4.35	1075.21	-	14.47	0.18	3.00
				June 15, 2020	4.83	1074.73	-	14.40	0.25	4.17
				November 17, 2020	4.91	1074.65	-	14.46	0.19	3.17
				May 25, 2021	4.86	1074.70	-	14.42	0.23	3.83
				November 10, 2021	4.75	1074.81	-	14.43	0.22	3.67
				May 23, 2022	4.69	1074.87	-	14.41	0.24	4.00
				November 14, 2022	4.83	1074.73	-	14.44	0.21	3.50
PMW-02*	1079.44	11.53	3.0	April 21, 2008	5.74	1074.02	-	11.73	-0.08	0.00
				May 6, 2008	6.09	1073.67	-	11.66	-0.01	0.00
				August 5, 2008	6.22	1073.54	-	11.62	0.03	1.00
				November 10, 2008	6.42	1073.34	-	11.68	-0.03	0.00
				February 17, 2009	5.50	1074.26	-	11.62	0.03	1.00
				May 11, 2009	6.04	1073.72	-	11.65	0.00	0.00
				August 5, 2009	5.63	1074.13	-	11.71	-0.06	0.00
				November 30, 2009	5.89	1073.87	-	11.55	0.10	3.33
				February 24, 2010	6.30	1073.46	-	11.66	-0.01	0.00
				May 17, 2010	5.86	1073.90	-	11.60	0.05	1.67

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PMW-02* (cont.)	1079.44	11.53	3.0	November 1, 2010	5.50	1074.26	-	11.68	-0.03	0.00
				May 9, 2011	5.36	1074.40	-	11.67	-0.02	0.00
				November 7, 2011	5.90	1073.86	-	11.67	-0.02	0.00
				May 29, 2012	5.90	1073.86	-	11.70	-0.05	0.00
				November 26, 2012	6.41	1073.35	-	11.65	0.00	0.00
				May 6, 2013	5.79	1073.97	-	11.68	-0.03	0.00
				November 12, 2013	6.35	1073.41	-	11.64	0.01	0.33
				May 27, 2014	5.59	1074.17	-	11.69	-0.04	0.00
				November 17, 2014	-	-	-	-	-	-
				May 19, 2015	5.86	1073.90	-	11.60	0.05	1.67
				November 16, 2015	6.01	1073.75	-	11.63	0.02	0.67
				May 9, 2016	6.18	1073.46	-	11.51	0.02	0.67
				November 15, 2016	6.86	1072.78	-	11.50	0.03	1.00
				May 16, 2017	5.20	1074.44	-	11.53	0.00	0.00
				November 6, 2017	-	-	-	-	-	-
				May 14, 2018	5.70	1073.94	-	11.53	0.00	0.00
				November 12, 2018	5.68	1073.96	-	11.53	0.00	0.00
				May 20, 2019	5.32	1074.32	-	11.53	0.00	0.00
				November 4, 2019	-	-	-	11.52	0.01	0.33
				June 15, 2020	6.58	1073.06	-	11.54	-0.01	0.00
				November 17, 2020	6.88	1072.76	-	11.56	-0.03	0.00
				May 25, 2021	6.09	1073.55	-	11.39	0.14	4.67
				November 10, 2021	5.92	1073.52	-	11.41	0.12	4.00
				May 23, 2022	4.89	1074.55	-	11.41	0.12	4.00
				November 14, 2022	6.78	1072.66	-	11.42	0.11	3.67
PMW-03	1079.80	14.57	9.0	April 21, 2008	5.06	1074.74	-	14.59	-0.02	0.00
				May 6, 2008	5.11	1074.69	-	14.60	-0.03	0.00
				August 5, 2008	4.99	1074.81	-	14.59	-0.02	0.00
				November 10, 2008	5.07	1074.73	-	14.59	-0.02	0.00
				February 17, 2009	4.79	1075.01	-	14.55	0.02	0.22
				May 11, 2009	4.87	1074.93	-	14.57	0.00	0.00
				August 5, 2009	4.78	1075.02	-	14.62	-0.05	0.00
				November 30, 2009	4.28	1075.52	-	14.58	-0.01	0.00
				February 24, 2010	4.89	1074.91	-	14.58	-0.01	0.00
				May 17, 2010	4.84	1074.96	-	14.53	0.04	0.44
				November 1, 2010	4.70	1075.10	-	14.58	-0.01	0.00
				May 9, 2011	4.76	1075.04	-	14.58	-0.01	0.00
				November 7, 2011	4.82	1074.98	-	14.50	0.07	0.78
				May 29, 2012	4.81	1074.99	-	14.37	0.20	2.22
				November 26, 2012	5.16	1074.64	-	14.45	0.12	1.33
				May 6, 2013	4.88	1074.92	-	14.50	0.07	0.78
				November 12, 2013	4.88	1074.92	-	14.51	0.06	0.67
				May 27, 2014	4.79	1075.01	-	14.50	0.07	0.78
				November 17, 2014	5.83	1073.97	-	14.52	0.05	0.56
				May 19, 2015	3.35	1076.45	-	14.49	0.08	0.89
				November 16, 2015	4.91	1074.89	-	14.52	0.05	0.56
				May 9, 2016	4.86	1074.94	-	14.51	0.06	0.67
				November 15, 2016	5.21	1074.59	-	14.51	0.06	0.67
				May 16, 2017	4.50	1075.30	-	14.53	0.04	0.44
				November 6, 2017	-	-	-	-	-	-
				May 14, 2018	4.80	1075.00	-	14.53	0.04	0.44
				November 12, 2018	4.65	1075.15	-	14.53	0.04	0.44
				May 20, 2019	4.46	1075.34	-	14.51	0.06	0.67
				November 4, 2019	4.75	1075.05	-	14.51	0.06	0.67

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PMW-03 (cont.)	1079.80	14.57	9.0	June 15, 2020	5.04	1074.76	-	14.54	0.03	0.33
				November 17, 2020	5.09	1074.71	-	14.55	0.02	0.22
				May 25, 2021	6.01	1073.79	-	14.45	0.12	1.33
				November 10, 2021	4.96	1074.84	-	14.50	0.07	0.78
				May 23, 2022	4.92	1074.88	-	14.51	0.06	0.67
				November 14, 2022	5.05	1074.75	-	14.52	0.05	0.56
PMW-04	1080.88	14.50	9.0	April 21, 2008	6.16	1074.72	-	14.54	-0.04	0.00
				May 6, 2008	6.21	1074.67	-	14.55	-0.05	0.00
				August 5, 2008	6.05	1074.83	-	14.49	0.01	0.11
				November 10, 2008	6.15	1074.73	-	14.56	-0.06	0.00
				February 17, 2009	5.85	1075.03	-	14.49	0.01	0.11
				May 11, 2009	5.95	1074.93	-	14.53	-0.03	0.00
				August 5, 2009	5.87	1075.01	-	14.56	-0.06	0.00
				November 30, 2009	5.78	1075.10	-	14.40	0.10	1.11
				February 24, 2010	5.97	1074.91	-	14.53	-0.03	0.00
				May 17, 2010	5.93	1074.95	-	14.49	0.01	0.11
				November 1, 2010	5.77	1075.11	-	14.52	-0.02	0.00
				May 9, 2011	5.86	1075.02	-	14.52	-0.02	0.00
				November 7, 2011	5.90	1074.98	-	14.53	-0.03	0.00
				May 29, 2012	5.91	1074.97	-	14.55	-0.05	0.00
				November 26, 2012	6.24	1074.64	-	14.50	0.00	0.00
				May 6, 2013	5.96	1074.92	-	14.49	0.01	0.11
				November 12, 2013	5.92	1074.96	-	14.70	-0.20	0.00
				May 27, 2014	5.85	1075.03	-	14.46	0.04	0.44
				November 17, 2014	5.32	1075.56	-	14.45	0.05	0.56
				May 19, 2015	5.70	1075.18	-	14.42	0.08	0.89
				November 16, 2015	6.01	1074.87	-	14.45	0.05	0.56
				May 9, 2016	5.96	1074.92	-	14.47	0.03	0.33
				November 15, 2016	6.32	1074.56	-	14.48	0.02	0.22
				May 16, 2017	5.64	1075.24	-	14.45	0.05	0.56
				November 6, 2017	5.82	1075.06	-	14.45	0.05	0.56
				May 14, 2018	5.85	1075.03	-	14.45	0.05	0.56
				November 12, 2018	5.74	1075.14	-	14.47	0.03	0.33
				May 20, 2019	5.60	1075.28	-	14.46	0.04	0.44
				November 4, 2019	5.83	1075.05	-	14.49	0.01	0.11
				June 15, 2020	6.13	1074.75	-	14.50	0.00	0.00
				November 17, 2020	6.17	1074.71	-	14.48	0.02	0.22
				May 25, 2021	6.12	1074.76	-	14.46	0.04	0.44
				November 10, 2021	6.08	1074.80	-	14.48	0.02	0.22
				May 23, 2022	6.01	1074.87	-	14.47	0.03	0.33
				November 14, 2022	6.15	1074.73	-	14.49	0.01	0.11
PMW-05	1079.79	15.50	7.0	April 21, 2008	5.02	1074.70	-	16.09	-0.59	0.00
				May 6, 2008	5.07	1074.65	-	16.09	-0.59	0.00
				August 5, 2008	4.93	1074.79	-	16.08	-0.58	0.00
				November 10, 2008	5.02	1074.70	-	16.10	-0.60	0.00
				February 17, 2009	4.68	1075.04	-	16.18	-0.68	0.00
				May 11, 2009	4.82	1074.90	-	16.10	-0.60	0.00
				August 5, 2009	4.71	1075.01	-	16.14	-0.64	0.00
				November 30, 2009	4.61	1075.11	-	16.04	-0.54	0.00
				February 24, 2010	4.83	1074.89	-	16.12	-0.62	0.00
				May 17, 2010	4.79	1074.93	-	16.07	-0.57	0.00
				November 1, 2010	4.62	1075.10	-	16.08	-0.58	0.00
				May 9, 2011	4.72	1075.00	-	16.11	-0.61	0.00
				November 7, 2011	4.75	1074.97	-	16.12	-0.62	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)	Percent Screen Occluded By Sediments (%)
PMW-05 (cont.)	1079.79	15.50	7.0	May 29, 2012	4.77	1074.95	-	16.14	-0.64	0.00
				November 26, 2012	5.09	1074.63	-	16.10	-0.60	0.00
				May 6, 2013	4.82	1074.90	-	16.10	-0.60	0.00
				November 12, 2013	4.78	1074.94	-	16.07	-0.57	0.00
				May 27, 2014	4.71	1075.01	-	16.09	-0.59	0.00
				November 17, 2014	4.14	1075.58	-	16.08	-0.58	0.00
				May 19, 2015	4.52	1075.27	-	16.06	-0.56	0.00
				November 16, 2015	4.86	1074.93	-	16.06	-0.56	0.00
				May 9, 2016	4.82	1074.97	-	16.07	-0.57	0.00
				November 15, 2016	5.14	1074.65	-	16.06	-0.56	0.00
				May 16, 2017	4.45	1075.34	-	16.08	-0.58	0.00
				November 6, 2017	-	-	-	-	-	-
				May 14, 2018	4.75	1075.04	-	16.08	-0.58	0.00
				November 12, 2018	4.60	1075.19	-	16.08	-0.58	0.00
				May 20, 2019	4.45	1075.34	-	16.08	-0.58	0.00
				November 4, 2019	4.68	1075.11	-	16.10	-0.60	0.00
				June 15, 2020	4.99	1074.80	-	16.12	-0.62	0.00
				November 17, 2020	5.03	1074.76	-	16.04	-0.54	0.00
				May 25, 2021	4.96	1074.83	-	16.05	-0.55	0.00
				November 10, 2021	4.91	1074.88	-	16.08	-0.58	0.00
				May 23, 2022	4.82	1074.97	-	16.50	-1.00	0.00
				November 14, 2022	5.00	1074.79	-	16.10	-0.60	0.00
PMW-06	1080.39	16.24	7.0	April 21, 2008	5.65	1074.73	-	16.29	-0.05	0.00
				May 6, 2008	5.71	1074.67	-	16.36	-0.12	0.00
				August 5, 2008	5.57	1074.81	-	16.25	-0.01	0.00
				November 10, 2008	5.65	1074.73	-	16.29	-0.05	0.00
				February 17, 2009	5.33	1075.05	-	16.23	0.01	0.14
				May 11, 2009	5.45	1074.93	-	16.27	-0.03	0.00
				August 5, 2009	5.37	1075.01	-	16.15	0.09	1.29
				November 30, 2009	5.27	1075.11	-	16.05	0.19	2.71
				February 24, 2010	5.46	1074.92	-	15.95	0.29	4.14
				May 17, 2010	5.43	1074.95	-	15.84	0.40	5.71
				November 1, 2010	5.27	1075.11	-	15.86	0.38	5.43
				May 9, 2011	5.35	1075.03	-	15.85	0.39	5.57
				November 7, 2011	5.39	1074.99	-	16.30	-0.06	0.00
				May 29, 2012	5.42	1074.96	-	16.29	-0.05	0.00
				November 26, 2012	5.73	1074.65	-	16.25	-0.01	0.00
				May 6, 2013	5.45	1074.93	-	16.23	0.01	0.14
				November 12, 2013	5.38	1075.00	-	16.25	-0.01	0.00
				May 27, 2014	5.34	1075.04	-	16.23	0.01	0.14
				November 17, 2014	4.78	1075.60	-	14.52	1.72	24.57
				May 19, 2015	5.15	1075.24	-	16.18	0.06	0.86
				November 16, 2015	5.51	1074.88	-	16.19	0.05	0.71
				May 9, 2016	5.45	1074.94	-	16.23	0.01	0.14
				November 15, 2016	5.80	1074.59	-	16.18	0.06	0.86
				May 16, 2017	5.12	1075.27	-	16.18	0.06	0.86
				November 6, 2017	5.30	1075.09	-	16.18	0.06	0.86
				May 14, 2018	5.35	1075.04	-	16.20	0.04	0.57
				November 12, 2018	5.19	1075.20	-	16.21	0.03	0.43
				May 20, 2019	5.11	1075.28	-	16.20	0.04	0.57
				November 4, 2019	5.33	1075.06	-	16.20	0.04	0.57
				June 15, 2020	5.64	1074.75	-	16.20	0.04	0.57
				November 17, 2020	5.67	1074.72	-	16.25	-0.01	0.00
				May 25, 2021	5.58	1074.81	-	16.15	0.09	1.29

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PMW-06 (cont.)	1080.39	16.24	7.0	November 10, 2021	5.54	1074.85	-	16.14	0.10	1.43
				May 23, 2022	5.00	1075.39	-	16.57	-0.33	0.00
				November 14, 2022	5.64	1074.75	-	16.19	0.05	0.71
PMW-07	1079.56	23.60	4.0	April 21, 2008	4.29	1075.64	-	22.26	1.34	33.50
				May 6, 2008	4.70	1075.23	-	22.26	1.34	33.50
				August 5, 2008	5.26	1074.67	-	22.18	1.42	35.50
				November 10, 2008	5.59	1074.34	-	22.43	1.17	29.25
				February 17, 2009	4.67	1075.26	-	22.43	1.17	29.25
				May 11, 2009	4.93	1075.00	-	22.43	1.17	29.25
				August 5, 2009	4.49	1075.44	-	22.25	1.35	33.75
				November 30, 2009	4.89	1075.04	-	22.14	1.46	36.50
				February 24, 2010	5.25	1074.68	-	22.24	1.36	34.00
				May 17, 2010	4.58	1075.35	-	22.15	1.45	36.25
				November 1, 2010	4.29	1075.64	-	21.12	2.48	62.00
				May 9, 2011	3.63	1076.30	-	23.60	0.00	0.00
				November 7, 2011	4.68	1075.25	-	22.95	0.65	16.25
				May 29, 2012	4.51	1075.42	-	22.86	0.74	18.50
				November 26, 2012	5.56	1074.37	-	22.90	0.70	17.50
				May 6, 2013	4.53	1075.40	-	23.65	-0.05	0.00
				November 12, 2013	5.48	1074.45	-	23.49	0.11	2.75
				May 27, 2014	4.07	1075.86	-	23.35	0.25	6.25
				November 17, 2014	5.10	1074.83	-	23.28	0.32	8.00
				May 19, 2015	4.97	1074.96	-	23.28	0.32	8.00
				November 16, 2015	4.84	1075.09	-	23.33	0.27	6.75
				May 9, 2016	5.01	1074.92	-	23.25	0.35	8.75
				November 15, 2016	5.96	1073.97	-	23.21	0.39	9.75
				May 16, 2017	4.05	1075.88	-	23.20	0.40	10.00
				November 6, 2017	-	-	-	-	-	-
				May 14, 2018	4.40	1075.53	-	23.20	0.40	10.00
				November 12, 2018	4.44	1075.49	-	23.20	0.40	10.00
				May 20, 2019	3.83	1076.10	-	23.14	0.46	11.50
				November 4, 2019	4.02	1075.91	-	23.23	0.37	9.25
				June 15, 2020	5.52	1074.41	-	23.24	0.36	9.00
				November 17, 2020	5.83	1074.10	-	23.09	0.51	12.75
				May 25, 2021	4.51	1075.42	-	23.00	0.60	15.00
				November 10, 2021	4.62	1074.94	-	23.04	0.56	14.00
				May 23, 2022	5.01	1074.55	-	23.03	0.57	14.25
				November 14, 2022	6.19	1073.37	-	23.05	0.55	13.75
PMW-08	1079.54	23.04	4.0	April 21, 2008	4.46	1075.08	-	23.08	-0.04	0.00
				May 6, 2008	5.32	1074.22	-	23.08	-0.04	0.00
				August 5, 2008	5.08	1074.46	-	23.02	0.02	0.50
				November 10, 2008	5.45	1074.09	-	23.12	-0.08	0.00
				February 17, 2009	4.55	1074.99	-	23.02	0.02	0.50
				May 11, 2009	4.89	1074.65	-	23.08	-0.04	0.00
				August 5, 2009	4.55	1074.99	-	23.11	-0.07	0.00
				November 30, 2009	4.85	1074.69	-	22.99	0.05	1.25
				February 24, 2010	5.15	1074.39	-	23.09	-0.05	0.00
				May 17, 2010	4.63	1074.91	-	23.05	-0.01	0.00
				November 1, 2010	4.34	1075.20	-	23.07	-0.03	0.00
				May 9, 2011	4.03	1075.51	-	23.09	-0.05	0.00
				November 7, 2011	4.65	1074.89	-	23.10	-0.06	0.00
				May 29, 2012	4.65	1074.89	-	23.13	-0.09	0.00
				November 26, 2012	5.38	1074.16	-	23.09	-0.05	0.00
				May 6, 2013	4.62	1074.92	-	23.10	-0.06	0.00

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PMW-08 (cont.)	1079.54	23.04	4.0	November 12, 2013	5.24	1074.30	-	23.05	-0.01	0.00
				May 27, 2014	4.30	1075.24	-	23.09	-0.05	0.00
				November 17, 2014	5.02	1074.52	-	23.06	-0.02	0.00
				May 19, 2015	4.94	1074.60	-	23.03	0.01	0.25
				November 16, 2015	4.72	1074.82	-	23.05	-0.01	0.00
				May 9, 2016	4.96	1074.58	-	23.05	-0.01	0.00
				November 15, 2016	5.78	1073.76	-	23.05	-0.01	0.00
				May 16, 2017	4.10	1075.44	-	23.07	-0.03	0.00
				November 6, 2017	-	-	-	-	-	-
				May 14, 2018	5.50	1074.04	-	23.07	-0.03	0.00
				November 12, 2018	4.41	1075.13	-	23.07	-0.03	0.00
				May 20, 2019	4.02	1075.52	-	23.04	0.00	0.00
				November 4, 2019	4.41	1075.13	-	23.06	-0.02	0.00
				June 15, 2020	5.42	1074.12	-	23.00	0.04	1.00
				November 17, 2020	5.82	1073.72	-	23.07	-0.03	0.00
				May 25, 2021	4.79	1074.75	-	23.04	0.00	0.00
				November 10, 2021	4.79	1074.75	-	23.06	-0.02	0.00
				May 23, 2022	5.11	1074.43	-	23.06	-0.02	0.00
				November 14, 2022	6.04	1073.50	-	23.10	-0.06	0.00
PMW-09	1080.18	14.43	8.5	April 21, 2008	5.45	1074.73	-	14.45	-0.02	0.00
				May 6, 2008	5.51	1074.67	-	14.47	-0.04	0.00
				August 5, 2008	5.36	1074.82	-	14.41	0.02	0.24
				November 10, 2008	5.45	1074.73	-	14.44	-0.01	0.00
				February 17, 2009	5.14	1075.04	-	14.40	0.03	0.35
				May 11, 2009	5.25	1074.93	-	14.44	-0.01	0.00
				August 5, 2009	5.16	1075.02	-	14.47	-0.04	0.00
				November 30, 2009	5.09	1075.09	-	14.35	0.08	0.94
				February 24, 2010	5.27	1074.91	-	14.45	-0.02	0.00
				May 17, 2010	5.21	1074.97	-	14.41	0.02	0.24
				November 1, 2010	5.08	1075.10	-	14.45	-0.02	0.00
				May 9, 2011	5.16	1075.02	-	14.42	0.01	0.12
				November 7, 2011	5.20	1074.98	-	14.46	-0.03	0.00
				May 29, 2012	5.21	1074.97	-	14.47	-0.04	0.00
				November 26, 2012	5.54	1074.64	-	14.45	-0.02	0.00
				May 6, 2013	5.26	1074.92	-	14.44	-0.01	0.00
				November 12, 2013	5.20	1074.98	-	14.41	0.02	0.24
				May 27, 2014	5.15	1075.03	-	14.45	-0.02	0.00
				November 17, 2014	4.60	1075.58	-	14.42	0.01	0.12
				May 19, 2015	5.01	1075.17	-	14.40	0.03	0.35
				November 16, 2015	5.31	1074.87	-	14.42	0.01	0.12
				May 9, 2016	5.30	1074.88	-	14.41	0.02	0.24
				November 15, 2016	5.60	1074.58	-	14.42	0.01	0.12
				May 16, 2017	4.94	1075.24	-	14.42	0.01	0.12
				November 6, 2017	5.12	1075.06	-	14.42	0.01	0.12
				May 14, 2018	5.16	1075.02	-	14.42	0.01	0.12
				November 12, 2018	5.04	1075.14	-	14.41	0.02	0.24
				May 20, 2019	4.91	1075.27	-	14.40	0.03	0.35
				November 4, 2019	5.13	1075.05	-	14.43	0.00	0.00
				June 15, 2020	5.45	1074.73	-	14.43	0.00	0.00
				November 17, 2020	5.47	1074.71	-	14.43	0.00	0.00
				May 25, 2021	5.39	1074.79	-	14.40	0.03	0.35
				November 10, 2021	5.38	1074.80	-	14.42	0.01	0.12
				May 23, 2022	5.31	1074.87	-	14.42	0.01	0.12
				November 14, 2022	5.46	1074.72	-	14.45	-0.02	0.00

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PMW-10	1080.25	14.70	8.5	April 21, 2008	5.52	1074.73	-	14.72	-0.02	0.00
				May 6, 2008	5.55	1074.70	-	14.70	0.00	0.00
				August 5, 2008	5.44	1074.81	-	14.68	0.02	0.24
				November 10, 2008	5.51	1074.74	-	14.74	-0.04	0.00
				February 17, 2009	5.23	1075.02	-	14.67	0.03	0.35
				May 11, 2009	5.33	1074.92	-	14.70	0.00	0.00
				August 5, 2009	5.23	1075.02	-	14.76	-0.06	0.00
				November 30, 2009	5.14	1075.11	-	14.63	0.07	0.82
				February 24, 2010	5.33	1074.92	-	14.73	-0.03	0.00
				May 17, 2010	5.30	1074.95	-	14.96	-0.26	0.00
				November 1, 2010	5.14	1075.11	-	14.72	-0.02	0.00
				May 9, 2011	5.23	1075.02	-	14.72	-0.02	0.00
				November 7, 2011	5.26	1074.99	-	14.75	-0.05	0.00
				May 29, 2012	5.29	1074.96	-	14.71	-0.01	0.00
				November 26, 2012	5.60	1074.65	-	14.72	-0.02	0.00
				May 6, 2013	5.33	1074.92	-	14.71	-0.01	0.00
				November 12, 2013	5.28	1074.97	-	14.66	0.04	0.47
				May 27, 2014	5.22	1075.03	-	14.75	-0.05	0.00
				November 17, 2014	4.68	1075.57	-	14.70	0.00	0.00
				May 19, 2015	5.06	1075.19	-	14.66	0.04	0.47
				November 16, 2015	5.38	1074.87	-	14.69	0.01	0.12
				May 9, 2016	5.32	1074.93	-	14.68	0.02	0.24
				November 15, 2016	5.66	1074.59	-	14.70	0.00	0.00
				May 16, 2017	5.02	1075.23	-	14.68	0.02	0.24
				November 6, 2017	5.18	1075.07	-	14.70	0.00	0.00
				May 14, 2018	5.25	1075.00	-	14.70	0.00	0.00
				November 12, 2018	5.09	1075.16	-	14.69	0.01	0.12
				May 20, 2019	4.98	1075.27	-	14.70	0.00	0.00
				November 4, 2019	6.30	1073.95	-	14.70	0.00	0.00
				June 15, 2020	5.52	1074.73	-	14.70	0.00	0.00
				November 17, 2020	5.54	1074.71	-	14.70	0.00	0.00
				May 25, 2021	5.46	1074.79	-	14.67	0.03	0.35
				November 10, 2021	5.44	1074.81	-	14.69	0.01	0.12
				May 23, 2022	5.36	1074.89	-	14.67	0.03	0.35
				November 14, 2022	5.53	1074.72	-	14.71	-0.01	0.00
PMW-11	1080.25	14.65	7.5	April 21, 2008	5.52	1074.73	-	14.68	-0.03	0.00
				May 6, 2008	5.56	1074.69	-	14.65	0.00	0.00
				August 5, 2008	5.45	1074.80	-	14.64	0.01	0.13
				November 10, 2008	5.53	1074.72	-	14.65	0.00	0.00
				February 17, 2009	5.22	1075.03	-	14.63	0.02	0.27
				May 11, 2009	5.33	1074.92	-	14.65	0.00	0.00
				August 5, 2009	5.25	1075.00	-	14.71	-0.06	0.00
				November 30, 2009	5.16	1075.09	-	14.58	0.07	0.93
				February 24, 2010	5.32	1074.93	-	14.67	-0.02	0.00
				May 17, 2010	5.31	1074.94	-	14.64	0.01	0.13
				November 1, 2010	3.13	1077.12	-	14.69	-0.04	0.00
				May 9, 2011	5.24	1075.01	-	14.67	-0.02	0.00
				November 7, 2011	5.27	1074.98	-	14.70	-0.05	0.00
				May 29, 2012	5.30	1074.95	-	14.67	-0.02	0.00
				November 26, 2012	5.60	1074.65	-	14.69	-0.04	0.00
				May 6, 2013	5.33	1074.92	-	14.64	0.01	0.13
				November 12, 2013	5.29	1074.96	-	14.62	0.03	0.40
				May 27, 2014	5.22	1075.03	-	14.69	-0.04	0.00
				November 17, 2014	4.67	1075.58	-	14.65	0.00	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)	Percent Screen Occluded By Sediments (%)
PMW-11 (cont.)	1080.25	14.65	7.5	May 19, 2015	5.03	1075.22	-	14.61	0.04	0.53
				November 16, 2015	5.39	1074.86	-	14.65	0.00	0.00
				May 9, 2016	5.43	1074.82	-	14.65	0.00	0.00
				November 15, 2016	5.67	1074.58	-	14.65	0.00	0.00
				May 16, 2017	5.02	1075.23	-	14.64	0.01	0.13
				November 6, 2017	5.20	1075.05	-	14.63	0.02	0.27
				May 14, 2018	5.25	1075.00	-	14.65	0.00	0.00
				November 12, 2018	5.12	1075.13	-	14.64	0.01	0.13
				May 20, 2019	4.99	1075.26	-	14.65	0.00	0.00
				November 4, 2019	5.21	1075.04	-	14.65	0.00	0.00
				June 15, 2020	5.57	1074.68	-	14.66	-0.01	0.00
				November 17, 2020	5.55	1074.70	-	14.63	0.02	0.27
				May 25, 2021	5.46	1074.79	-	14.61	0.04	0.53
				November 10, 2021	5.42	1074.83	-	14.63	0.02	0.27
				May 23, 2022	5.37	1074.88	-	14.62	0.03	0.40
				November 14, 2022	6.53	1073.72	-	14.66	-0.01	0.00
PMW-12	1079.99	15.20	7.0	April 21, 2008	5.61	1074.73	-	16.43	-1.23	0.00
				May 6, 2008	5.66	1074.68	-	16.34	-1.14	0.00
				August 5, 2008	5.50	1074.84	-	16.31	-1.11	0.00
				November 10, 2008	5.60	1074.74	-	16.30	-1.10	0.00
				February 17, 2009	5.30	1075.04	-	16.30	-1.10	0.00
				May 11, 2009	5.41	1074.93	-	16.20	-1.00	0.00
				August 5, 2009	5.33	1075.01	-	16.36	-1.16	0.00
				November 30, 2009	5.22	1075.12	-	16.24	-1.04	0.00
				February 24, 2010	5.42	1074.92	-	16.23	-1.03	0.00
				May 17, 2010	5.38	1074.96	-	16.31	-1.11	0.00
				November 1, 2010	5.21	1075.13	-	16.21	-1.01	0.00
				May 9, 2011	5.31	1075.03	-	16.22	-1.02	0.00
				November 7, 2011	5.34	1075.00	-	16.32	-1.12	0.00
				May 29, 2012	5.37	1074.97	-	16.37	-1.17	0.00
				November 26, 2012	5.69	1074.65	-	16.31	-1.11	0.00
				May 6, 2013	5.41	1074.93	-	16.31	-1.11	0.00
				November 12, 2013	5.35	1074.99	-	16.35	-1.15	0.00
				May 27, 2014	5.30	1075.04	-	16.32	-1.12	0.00
				November 17, 2014	4.73	1075.61	-	16.25	-1.05	0.00
				May 19, 2015	5.10	1075.24	-	16.26	-1.06	0.00
				November 16, 2015	5.45	1074.89	-	16.25	-1.05	0.00
				May 9, 2016	5.41	1074.93	-	16.28	-1.08	0.00
				November 15, 2016	5.75	1074.59	-	16.31	-1.11	0.00
				May 16, 2017	5.08	1075.26	-	16.25	-1.05	0.00
				November 6, 2017	5.21	1075.13	-	16.25	-1.05	0.00
				May 14, 2018	5.30	1075.04	-	16.25	-1.05	0.00
				November 12, 2018	5.19	1075.15	-	16.27	-1.07	0.00
				May 20, 2019	5.05	1075.29	-	16.28	-1.08	0.00
				November 4, 2019	5.28	1075.06	-	16.28	-1.08	0.00
				June 15, 2020	5.58	1074.76	-	16.30	-1.10	0.00
				November 17, 2020	5.62	1074.72	-	16.30	-1.10	0.00
				May 25, 2021	5.32	1075.02	-	16.05	-0.85	0.00
				November 10, 2021	5.29	1074.70	-	16.08	-0.88	0.00
				May 23, 2022	5.22	1074.77	-	16.07	-0.87	0.00
				November 14, 2022	5.39	1074.60	-	16.10	-0.90	0.00

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PMW-13	1080.16	15.53	6.5	April 21, 2008	5.45	1074.71	-	16.13	-0.60	0.00
				May 6, 2008	5.48	1074.68	-	16.13	-0.60	0.00
				August 5, 2008	5.34	1074.82	-	16.10	-0.57	0.00
				November 10, 2008	5.41	1074.75	-	16.15	-0.62	0.00
				February 17, 2009	5.10	1075.06	-	16.07	-0.54	0.00
				May 11, 2009	5.22	1074.94	-	16.12	-0.59	0.00
				August 5, 2009	5.14	1075.02	-	16.15	-0.62	0.00
				November 30, 2009	5.03	1075.13	-	16.04	-0.51	0.00
				February 24, 2010	5.24	1074.92	-	16.12	-0.59	0.00
				May 17, 2010	5.20	1074.96	-	16.08	-0.55	0.00
				November 1, 2010	5.04	1075.12	-	16.13	-0.60	0.00
				May 9, 2011	5.13	1075.03	-	16.12	-0.59	0.00
				November 7, 2011	5.18	1074.98	-	16.16	-0.63	0.00
				May 29, 2012	5.20	1074.96	-	16.16	-0.63	0.00
				November 26, 2012	5.52	1074.64	-	16.13	-0.60	0.00
				May 6, 2013	5.23	1074.93	-	16.13	-0.60	0.00
				November 12, 2013	5.18	1074.98	-	16.08	-0.55	0.00
				May 27, 2014	5.12	1075.04	-	16.14	-0.61	0.00
				November 17, 2014	4.57	1075.59	-	16.10	-0.57	0.00
				May 19, 2015	4.92	1075.24	-	16.09	-0.56	0.00
				November 16, 2015	5.22	1074.94	-	16.09	-0.56	0.00
				May 9, 2016	5.23	1074.93	-	16.10	-0.57	0.00
				November 15, 2016	5.51	1074.65	-	16.10	-0.57	0.00
				May 16, 2017	4.89	1075.27	-	16.10	-0.57	0.00
				November 6, 2017	5.03	1075.13	-	16.09	-0.56	0.00
				May 14, 2018	5.15	1075.01	-	16.10	-0.57	0.00
				November 12, 2018	4.97	1075.19	-	16.09	-0.56	0.00
				May 20, 2019	4.87	1075.29	-	16.08	-0.55	0.00
				November 4, 2019	5.10	1075.06	-	16.10	-0.57	0.00
				June 15, 2020	5.41	1074.75	-	16.11	-0.58	0.00
				November 17, 2020	5.44	1074.72	-	16.11	-0.58	0.00
				May 25, 2021	5.34	1074.82	-	16.08	-0.55	0.00
				November 10, 2021	5.33	1074.83	-	16.09	-0.56	0.00
				May 23, 2022	5.23	1074.93	-	16.10	-0.57	0.00
				November 14, 2022	5.41	1074.75	-	16.11	-0.58	0.00
PMW-14	1080.03	15.90	6.0	April 21, 2008	5.30	1074.73	-	15.96	-0.06	0.00
				May 6, 2008	5.34	1074.69	-	15.96	-0.06	0.00
				August 5, 2008	5.22	1074.81	-	15.92	-0.02	0.00
				November 10, 2008	5.29	1074.74	-	16.03	-0.13	0.00
				February 17, 2009	4.97	1075.06	-	15.90	0.00	0.00
				May 11, 2009	5.10	1074.93	-	15.94	-0.04	0.00
				August 5, 2009	5.01	1075.02	-	15.99	-0.09	0.00
				November 30, 2009	4.88	1075.15	-	15.87	0.03	0.50
				February 24, 2010	5.11	1074.92	-	15.96	-0.06	0.00
				May 17, 2010	5.09	1074.94	-	15.91	-0.01	0.00
				November 1, 2010	4.88	1075.15	-	15.96	-0.06	0.00
				May 9, 2011	4.99	1075.04	-	15.96	-0.06	0.00
				November 7, 2011	5.01	1075.02	-	15.97	-0.07	0.00
				May 29, 2012	5.08	1074.95	-	15.98	-0.08	0.00
				November 26, 2012	5.37	1074.66	-	15.95	-0.05	0.00
				May 6, 2013	5.09	1074.94	-	15.95	-0.05	0.00
				November 12, 2013	5.03	1075.00	-	15.91	-0.01	0.00
				May 27, 2014	4.92	1075.11	-	15.96	-0.06	0.00
				November 17, 2014	4.47	1075.56	-	15.92	-0.02	0.00

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PMW-14 (cont.)	1080.03	15.90	6.0	May 19, 2015	4.78	1075.25	-	15.90	0.00	0.00
				November 16, 2015	5.14	1074.89	-	15.92	-0.02	0.00
				May 9, 2016	5.08	1074.95	-	15.91	-0.01	0.00
				November 15, 2016	5.42	1074.61	-	15.92	-0.02	0.00
				May 16, 2017	4.74	1075.29	-	15.91	-0.01	0.00
				November 6, 2017	4.86	1075.17	-	15.90	0.00	0.00
				May 14, 2018	5.05	1074.98	-	15.91	-0.01	0.00
				November 12, 2018	4.86	1075.17	-	15.91	-0.01	0.00
				May 20, 2019	4.71	1075.32	-	15.92	-0.02	0.00
				November 4, 2019	4.95	1075.08	-	15.93	-0.03	0.00
				June 15, 2020	5.28	1074.75	-	15.95	-0.05	0.00
				November 17, 2020	5.30	1074.73	-	15.95	-0.05	0.00
				May 25, 2021	5.21	1074.82	-	15.92	-0.02	0.00
				November 10, 2021	5.21	1074.82	-	15.93	-0.03	0.00
				May 23, 2022	5.11	1074.92	-	15.92	-0.02	0.00
				November 14, 2022	5.28	1074.75	-	15.95	-0.05	0.00
NRW-01*	1079.09	18.36	13.0	April 21, 2008	4.41	1074.68	-	18.42	-0.06	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	5.29	1073.80	-	18.44	-0.08	0.00
				November 10, 2008	5.52	1073.57	-	18.42	-0.06	0.00
				February 17, 2009	4.51	1074.58	-	18.44	-0.08	0.00
				May 11, 2009	5.02	1074.07	-	18.44	-0.08	0.00
				August 5, 2009	-	-	-	-	-	-
				November 30, 2009	4.95	1074.14	-	18.33	0.03	0.00
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	4.73	1074.36	-	18.39	-0.03	0.00
				November 1, 2010	4.28	1074.81	-	18.41	-0.05	0.00
				May 9, 2011	3.98	1075.11	-	18.43	-0.07	0.00
				November 7, 2011	4.79	1074.30	-	18.45	-0.09	0.00
				May 29, 2012	4.73	1074.36	-	18.44	-0.08	0.00
				November 26, 2012	5.48	1073.61	-	18.43	-0.07	0.00
				May 6, 2013	4.68	1074.41	-	18.45	-0.09	0.00
				November 12, 2013	5.43	1073.66	-	18.35	0.01	0.00
				May 27, 2014	4.31	1074.78	-	18.44	-0.08	0.00
				November 17, 2014	4.72	1074.37	-	18.40	-0.04	0.00
				May 19, 2015	4.86	1074.23	-	18.39	-0.03	0.00
				November 16, 2015	4.74	1074.35	-	18.42	-0.06	0.00
				May 9, 2016	5.09	1074.00	-	18.38	-0.02	0.00
				November 15, 2016	6.01	1073.08	-	18.40	-0.04	0.00
				May 16, 2017	3.85	1075.24	-	18.41	-0.05	0.00
				November 6, 2017	5.30	1073.79	-	18.40	-0.04	0.00
				May 14, 2018	4.54	1074.55	-	18.40	-0.04	0.00
				November 12, 2018	4.43	1074.66	-	18.38	-0.02	0.00
				May 20, 2019	3.92	1075.17	-	18.42	-0.06	0.00
				November 4, 2019	4.51	1074.58	-	18.39	-0.03	0.00
				June 15, 2020	5.69	1073.40	-	18.49	-0.13	0.00
				November 17, 2020	6.22	1072.87	-	18.43	-0.07	0.00
				May 25, 2021	4.88	1074.21	-	18.37	-0.01	0.00
				November 10, 2021	4.99	1074.10	-	18.38	-0.02	0.00
				May 23, 2022	5.24	1073.85	-	18.38	-0.02	0.00
				November 14, 2022	6.36	1072.73	-	18.41	-0.05	0.00

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NRW-02*	1079.40	13.20	8.0	April 21, 2008	4.78	1074.72	-	13.34	-0.04	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	5.68	1073.82	-	13.25	0.05	0.00
				November 10, 2008	5.92	1073.58	-	13.35	-0.05	0.00
				February 17, 2009	4.90	1074.60	-	13.28	0.02	0.00
				May 11, 2009	5.40	1074.10	-	13.25	0.05	0.00
				August 5, 2009	-	-	-	-	-	-
				November 30, 2009	5.35	1074.15	-	13.12	0.18	0.00
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	5.10	1074.40	-	13.19	0.11	0.00
				November 1, 2010	4.46	1075.04	-	13.35	-0.05	0.00
				May 9, 2011	4.32	1075.18	-	13.35	-0.05	0.00
				November 7, 2011	5.18	1074.32	-	13.24	0.06	0.00
				May 29, 2012	5.14	1074.36	-	13.29	0.01	0.00
				November 26, 2012	5.87	1073.63	-	13.35	-0.05	0.00
				May 6, 2013	5.05	1074.45	-	13.26	0.04	0.00
				November 12, 2013	5.85	1073.65	-	13.29	0.01	0.00
				May 27, 2014	4.74	1074.76	-	13.25	0.05	0.00
				November 17, 2014	5.27	1074.23	-	13.37	-0.07	0.00
				May 19, 2015	5.31	1074.19	-	13.21	0.09	0.00
				November 16, 2015	5.20	1074.30	-	13.28	0.02	0.00
				May 9, 2016	5.43	1073.97	-	13.18	0.02	0.00
				November 15, 2016	6.35	1073.05	-	13.13	0.07	0.00
				May 16, 2017	4.22	1075.18	-	13.20	0.00	0.00
				November 6, 2017	5.61	1073.79	-	13.14	0.06	0.00
				May 14, 2018	4.95	1074.45	-	13.20	0.00	0.00
				November 12, 2018	4.82	1074.58	-	13.24	-0.04	0.00
				May 20, 2019	4.20	1075.20	-	13.21	-0.01	0.00
				November 4, 2019	4.92	1074.48	-	13.23	-0.03	0.00
				June 15, 2020	6.09	1073.31	-	13.23	-0.03	0.00
				November 17, 2020	6.62	1072.78	-	13.29	-0.09	0.00
				May 25, 2021	5.28	1074.12	-	13.20	0.00	0.00
				November 10, 2021	5.32	1074.08	-	13.22	-0.02	0.00
				May 23, 2022	5.72	1073.68	-	13.24	-0.04	0.00
				November 14, 2022	6.81	1072.59	-	13.29	-0.09	0.00
NRW-03*	1080.26	17.67	18.0	April 21, 2008	4.67	1075.59	-	17.68	-0.01	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	5.89	1074.37	-	17.71	-0.04	0.00
				November 10, 2008	6.18	1074.08	-	17.74	-0.07	0.00
				February 17, 2009	5.30	1074.96	-	17.74	-0.07	0.00
				May 11, 2009	5.46	1074.80	-	17.72	-0.05	0.00
				August 5, 2009	-	-	-	-	-	-
				November 30, 2009	5.56	1074.70	-	17.72	-0.05	0.00
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	5.06	1075.20	-	17.70	-0.03	0.00
				November 1, 2010	4.76	1075.50	-	17.73	-0.06	0.00
				May 9, 2011	4.14	1076.12	-	17.78	-0.11	0.00
				November 7, 2011	5.25	1075.01	-	17.78	-0.11	0.00
				May 29, 2012	5.25	1075.01	-	17.79	-0.12	0.00
				November 26, 2012	6.22	1074.04	-	17.78	-0.11	0.00
				May 6, 2013	5.21	1075.05	-	17.79	-0.12	0.00
				November 12, 2013	6.18	1074.08	-	17.73	-0.06	0.00
				May 27, 2014	4.79	1075.47	-	17.84	-0.17	0.00
				November 17, 2014	6.25	1074.01	-	17.80	-0.13	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)	Percent Screen Occluded By Sediments (%)
NRW-03* (cont.)	1080.26	17.67	18.0	May 19, 2015	6.09	1074.17	-	17.85	-0.18	0.00
				November 16, 2015	5.45	1074.81	-	17.90	-0.23	0.00
				May 9, 2016	5.84	1074.42	-	17.89	-0.22	0.00
				November 15, 2016	6.92	1073.34	-	17.90	-0.23	0.00
				May 16, 2017	4.90	1075.36	-	17.96	-0.29	0.00
				November 6, 2017	6.59	1073.67	-	17.92	-0.25	0.00
				May 14, 2018	5.35	1074.91	-	17.97	-0.30	0.00
				November 12, 2018	5.14	1075.12	-	17.95	-0.28	0.00
				May 20, 2019	4.75	1075.51	-	17.65	0.02	0.00
				Location abandoned May 22, 2019						
NRW-04*	1080.55	22.60	18.0	April 21, 2008	4.94	1075.61	-	22.29	0.31	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	6.15	1074.40	-	22.24	0.36	0.00
				November 10, 2008	6.44	1074.11	-	22.38	0.22	0.00
				February 17, 2009	5.31	1075.24	-	22.38	0.22	0.00
				May 11, 2009	5.72	1074.83	-	22.23	0.37	0.00
				August 5, 2009	-	-	-	-	-	-
				November 30, 2009	5.81	1074.74	-	22.22	0.38	0.00
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	5.28	1075.27	-	22.12	0.48	0.00
				November 1, 2010	4.98	1075.57	-	22.09	0.51	0.00
				May 9, 2011	4.43	1076.12	-	22.09	0.51	0.00
				November 7, 2011	5.44	1075.11	-	22.05	0.55	0.00
				May 29, 2012	5.43	1075.12	-	22.12	0.48	0.00
				November 26, 2012	6.40	1074.15	-	22.10	0.50	0.00
				May 6, 2013	5.39	1075.16	-	22.10	0.50	0.00
				November 12, 2013	6.38	1074.17	-	22.51	0.09	0.00
				May 27, 2014	4.90	1075.65	-	22.13	0.47	0.00
				November 17, 2014	6.35	1074.20	-	22.11	0.49	0.00
				May 19, 2015	6.13	1074.42	-	22.64	-0.04	0.00
				November 16, 2015	5.51	1075.04	-	22.54	0.06	0.00
				May 9, 2016	5.92	1074.63	-	22.65	-0.05	0.00
				November 15, 2016	6.87	1073.68	-	22.55	0.05	0.00
				May 16, 2017	4.94	1075.61	-	22.68	-0.08	0.00
				November 7, 2017	6.60	1073.95	-	22.70	-0.10	0.00
				May 14, 2018	5.30	1075.25	-	22.65	-0.05	0.00
				November 12, 2018	5.12	1075.43	-	22.60	0.00	0.00
				May 20, 2019	4.74	1075.81	-	22.55	0.05	0.00
				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	0.00
				August 5, 2009	-	-	-	-	-	-
				November 30, 2009	6.22	1074.54	-	20.15	0.59	0.00
				February 24, 2010	-	-	-	-	-	-
				May 17, 2010	5.59	1075.17	-	20.22	0.52	0.00
				November 1, 2010	5.18	1075.58	-	20.25	0.49	0.00
				May 9, 2011	4.37	1076.39	-	20.27	0.47	0.00
				November 7, 2011	5.80	1074.96	-	20.30	0.44	0.00
				May 29, 2012	5.78	1074.98	-	20.27	0.47	0.00
				November 26, 2012	6.91	1073.85	-	20.30	0.44	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)	Percent Screen Occluded By Sediments (%)
NRW-05* (cont.)	1080.76	20.74	14.0	May 6, 2013	5.68	1075.08	-	20.26	0.48	0.00
				November 12, 2013	6.87	1073.89	-	20.22	0.52	0.00
				May 27, 2014	5.08	1075.68	-	20.28	0.46	0.00
				November 17, 2014	5.48	1075.28	-	20.24	0.50	0.00
				May 19, 2015	6.60	1074.16	-	20.65	0.09	0.00
				November 16, 2015	5.77	1074.99	-	20.64	0.10	0.00
				May 9, 2016	6.28	1074.48	-	20.65	0.09	0.00
				November 15, 2016	7.59	1073.17	-	20.67	0.07	0.00
				May 16, 2017	5.07	1075.69	-	20.68	0.06	0.00
				November 6, 2017	7.20	1073.56	-	20.68	0.06	0.00
				May 14, 2018	5.61	1075.15	-	20.68	0.06	0.00
				November 12, 2018	5.39	1075.37	-	20.66	0.08	0.00
				May 20, 2019	4.43	1076.33	-	20.68	0.06	0.00
				Location abandoned May 22, 2019						
PZ-0801	1078.67	15.00	11.0	April 21, 2008	3.57	1075.16	-	14.89	0.11	1.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	5.36	1073.37	-	14.93	0.07	0.64
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	4.62	1074.11	-	14.88	0.12	1.09
				August 5, 2009	-	-	-	-	-	-
				November 30, 2009	4.71	1074.02	-	14.88	0.12	1.09
				February 24, 2010	5.22	1073.51	-	14.87	0.13	1.18
				May 17, 2010	4.21	1074.52	-	14.78	0.22	2.00
				November 1, 2010	3.71	1075.02	-	14.86	0.14	1.27
				May 9, 2011	2.96	1075.77	-	14.81	0.19	1.73
				November 7, 2011	4.25	1074.48	-	14.88	0.12	1.09
				May 29, 2012	4.04	1074.69	-	14.88	0.12	1.09
				November 26, 2012	5.24	1073.49	-	14.83	0.17	1.55
				May 6, 2013	3.95	1074.78	-	14.81	0.19	1.73
				November 12, 2013	5.21	1073.52	-	14.78	0.22	2.00
				May 27, 2014	3.57	1075.16	-	14.83	0.17	1.55
				November 17, 2014	-	-	-	-	-	-
				May 19, 2015	4.83	1074.07	-	13.90	1.10	10.00
				November 16, 2015	4.30	1074.60	-	13.90	1.10	10.00
				May 9, 2016	4.88	1074.02	-	13.88	1.12	10.18
				November 15, 2016	5.99	1072.91	-	13.89	1.11	10.09
				May 16, 2017	3.72	1075.18	-	13.87	1.13	10.27
				November 6, 2017	5.81	1073.09	-	13.85	1.15	10.45
				May 14, 2018	4.01	1074.89	-	13.85	1.15	10.45
				November 12, 2018	4.12	1074.78	-	13.86	1.14	10.36
				May 20, 2019	3.65	1075.25	-	13.89	1.11	10.09
				November 4, 2019	3.98	1074.92	-	13.90	1.10	10.00
				June 15, 2020	5.67	1073.23	-	13.89	1.11	10.09
				November 17, 2020	6.26	1072.64	-	13.92	1.08	9.82
				May 25, 2021	4.58	1074.32	-	13.85	1.15	10.45
				November 10, 2021	4.32	1074.35	-	13.71	1.29	11.73
				May 23, 2022	5.09	1073.58	-	13.76	1.24	11.27
				November 14, 2022	6.66	1072.01	-	13.74	1.26	11.45
PZ-0802	1081.37	14.30	11.0	April 21, 2008	5.54	1075.88	-	14.44	-0.14	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	6.73	1074.69	-	14.42	-0.12	0.00
				February 17, 2009	-	-	-	-	-	-

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PZ-0802 (cont.)	1081.37	14.30	11.0	May 11, 2009	5.78	1075.64	-	14.42	-0.12	0.00
				August 5, 2009	5.73	1075.69	-	14.45	-0.15	0.00
				November 30, 2009	6.11	1075.31	-	14.28	0.02	0.18
				February 24, 2010	6.40	1075.02	-	14.34	-0.04	0.00
				May 17, 2010	5.56	1075.86	-	14.38	-0.08	0.00
				November 1, 2010	5.58	1075.84	-	14.02	0.28	2.55
				May 9, 2011	5.17	1076.25	-	14.20	0.10	0.91
				November 7, 2011	5.75	1075.67	-	13.95	0.35	3.18
				May 29, 2012	5.72	1075.70	-	13.93	0.37	3.36
				November 26, 2012	6.70	1074.72	-	13.95	0.35	3.18
				May 6, 2013	5.83	1075.59	-	13.89	0.41	3.73
				November 12, 2013	6.42	1075.00	-	13.82	0.48	4.36
				May 27, 2014	5.63	1075.79	-	13.83	0.47	4.27
				November 17, 2014	6.42	1075.00	-	13.82	0.48	4.36
				May 19, 2015	6.29	1075.13	-	13.87	0.43	3.91
				November 16, 2015	5.95	1075.47	-	13.81	0.49	4.45
				May 9, 2016	5.32	1076.10	-	13.90	0.40	3.64
				November 15, 2016	7.80	1073.62	-	13.86	0.44	4.00
				May 16, 2017	5.50	1075.92	-	13.91	0.39	3.55
				November 6, 2017	6.09	1075.33	-	13.80	0.50	4.55
				May 14, 2018	4.48	1076.94	-	13.80	0.50	4.55
				November 12, 2018	5.71	1075.71	-	13.94	0.36	3.27
				May 20, 2019	5.45	1075.97	-	13.90	0.40	3.64
				November 4, 2019	5.61	1075.81	-	13.92	0.38	3.45
				June 15, 2020	6.71	1074.71	-	13.92	0.38	3.45
				November 17, 2020	7.22	1074.20	-	13.90	0.40	3.64
				May 25, 2021	6.16	1075.26	-	13.93	0.37	3.36
				November 10, 2021	5.98	1075.39	-	13.80	0.50	4.55
				May 23, 2022	6.60	1074.77	-	13.72	0.58	5.27
				November 14, 2022	7.49	1073.88	-	13.84	0.46	4.18
PZ-0803	1081.84	21.50	18.0	April 21, 2008	6.35	1075.49	-	21.55	-0.05	0.00
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	7.01	1074.83	-	21.56	-0.06	0.00
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	6.48	1075.36	-	21.49	0.01	0.06
				August 5, 2009	6.15	1075.69	-	21.58	-0.08	0.00
				November 30, 2009	7.49	1074.35	-	21.49	0.01	0.06
				February 24, 2010	6.70	1075.14	-	21.46	0.04	0.22
				May 17, 2010	6.25	1075.59	-	21.45	0.05	0.28
				November 1, 2010	6.15	1075.69	-	21.51	-0.01	0.00
				May 9, 2011	5.74	1076.10	-	21.50	0.00	0.00
				November 7, 2011	6.30	1075.54	-	21.52	-0.02	0.00
				May 29, 2012	6.19	1075.65	-	21.54	-0.04	0.00
				November 26, 2012	6.92	1074.92	-	21.48	0.02	0.11
				May 6, 2013	6.27	1075.57	-	21.51	-0.01	0.00
				November 12, 2013	6.74	1075.10	-	21.45	0.05	0.28
				May 27, 2014	5.93	1075.91	-	21.46	0.04	0.22
				November 17, 2014	6.62	1075.22	-	21.45	0.05	0.28
				May 19, 2015	6.39	1075.45	-	21.43	0.07	0.39
				November 16, 2015	6.42	1075.42	-	21.46	0.04	0.22
				May 9, 2016	6.39	1075.45	-	21.45	0.05	0.28
				November 15, 2016	7.15	1074.69	-	21.47	0.03	0.17
				May 16, 2017	5.98	1075.86	-	21.46	0.04	0.22

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PZ-0803 (cont.)	1081.84	21.50	18.0	November 6, 2017	6.82	1075.02	-	21.42	0.08	0.44
				May 14, 2018	6.09	1075.75	-	21.46	0.04	0.22
				November 12, 2018	6.06	1075.78	-	21.43	0.07	0.39
				May 20, 2019	5.76	1076.08	-	21.43	0.07	0.39
				November 4, 2019	6.12	1075.72	-	21.47	0.03	0.17
				June 15, 2020	6.76	1075.08	-	21.45	0.05	0.28
				November 17, 2020	7.02	1074.82	-	21.48	0.02	0.11
				May 25, 2021	6.33	1075.51	-	21.42	0.08	0.44
				November 10, 2021	6.46	1075.38	-	21.47	0.03	0.17
				May 23, 2022	6.55	1075.29	-	21.48	0.02	0.11
				November 14, 2022	7.28	1074.56	-	21.46	0.04	0.22
PZ-105*	1077.23	6.10	5.0	April 21, 2008	5.29	1071.94	-	5.68	0.42	6.40
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	-	-	-	5.69	0.41	6.20
				February 17, 2009	-	-	-	-	-	-
				May 11, 2009	4.92	1072.31	-	5.68	0.42	6.40
				August 5, 2009	-	-	-	5.68	0.42	6.40
				November 30, 2009	-	-	-	5.68	0.42	6.40
				February 24, 2010	-	-	-	5.71	0.39	5.80
				May 17, 2010	-	-	-	5.71	0.39	5.80
				November 1, 2010	-	-	-	5.74	0.36	5.20
				May 9, 2011	-	-	-	5.74	0.36	5.20
				November 7, 2011	5.67	1071.56	-	5.72	0.38	5.60
				May 29, 2012	5.03	1072.20	-	5.76	0.34	4.80
				November 26, 2012	-	-	-	5.69	0.41	6.20
				May 6, 2013	4.86	1072.37	-	5.69	0.41	6.20
				November 12, 2013	5.64	1071.59	-	5.71	0.39	5.80
				May 27, 2014	5.28	1071.95	-	5.68	0.42	6.40
				November 17, 2014	-	-	-	6.03	0.07	0.00
				May 19, 2015	-	-	-	5.71	0.39	5.80
				November 16, 2015	5.57	1071.66	-	5.71	0.39	5.80
				May 9, 2016	-	-	-	5.71	0.39	5.80
				November 15, 2016	5.56	1071.67	-	5.71	0.39	5.80
				May 16, 2017	4.85	1072.38	-	5.72	0.38	5.60
				November 6, 2017	-	-	-	5.71	0.39	5.80
				May 14, 2018	5.08	1072.15	-	5.72	0.38	5.60
				November 12, 2018	5.50	1071.73	-	5.72	0.38	5.60
				May 20, 2019	5.10	1072.13	-	5.70	0.40	6.00
				November 4, 2019	5.04	1072.19	-	5.71	0.39	5.80
				June 15, 2020	5.54	1071.69	-	5.70	0.40	6.00
				November 17, 2020	-	-	-	-	-	-
				May 25, 2021	5.58	1071.65	-	5.70	0.40	6.00
				November 10, 2021	Dry	-	-	5.71	0.39	5.80
				May 23, 2022	Dry	-	-	5.71	0.39	5.80
				November 14, 2022	Dry	-	-	5.70	0.40	6.00
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	-	-	-	-

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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)	Percent Screen Occluded By Sediments (%)
SG-107 (cont.)	1081.96	-	-	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	-		-	-
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	-	-	-	-	-	-
				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	-	-	-	-

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)	Percent Screen Occluded By Sediments (%)
SG-105 (cont.)	1079.45	-	-	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	-		-	-
SG-110	1081.30	-	-	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	-	-	-	-
				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	-		-	-
SG-111	1078.40	-	-	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	-	-	-	-

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)	Percent Screen Occluded By Sediments (%)
SG-111 (cont.)	1078.40	-	-	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	-		-	-

See notes on last page.

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

Notes:

1. All measurements from Top of Casing (TOC).
2. "-" Indicates measurement not taken or not available.
3. Elevations in feet above mean sea level (ft amsl), 1929 National Geodetic Vertical Datum (NGVD).
4. NA - indicates NRW not installed at time of gauging event.
5. Staff gauge SG-105 re-installed Apr 2008 and missing on Nov 2008 gauging event.
6. During the Nov 2009 gauging event SG-105 and SG-110 were destroyed.
7. During the Feb 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 resurveyed 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, AW-11 locations and elevations resurveyed May 9, 2011.
   - AW-06, AW-09, AW-AW-14, PMW-07 were redeveloped May 31, 2011. Depth to bottom measurements for these wells list depth to bottom recorded after redevelopment.
10. Staff gauge SG-110 missing during November 2010 and May 2011 gauging events.
11. Staff gauge SG-110 reinstalled during November 2011 site visit and discovered missing before it could be resurveyed.
12. Staff gauge SG-110 reinstalled during May 2012 site visit and resurveyed May 30, 2012.
13. Staff gauge SG-110 reinstalled during November 2012 site visit. Survey information 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 November 17, 2014 due to standing surface water at time of gauging.
17. Staff Gauge SG-110, Piezometer PZ-0801, and Performance Monitoring Wells PMW-05 and PMW-06 were resurveyed 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 time of gauging.
21. Due to standing surface water at the time of the November 6, 2017 gauging event, NRW-04 was gauged 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. Depth to water measurement 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 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.

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

Location ID:	NYSDEC GW		MW-0201													
Date Collected:	Stds & GVs	Units	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	- -	µg/L	NA	**100**	NA	**36**	**93**	**26 J**	**86**	**6.7 J**	**83**	**28**	**39**	**40**	**24**	**13**
o-Xylene	- -	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 3
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC GW		MW-0201													
Date Collected:	Stds & GVs	Units	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	- -	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	- -	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 3
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC GW		MW-0201			MW-0203										
Date Collected:	Stds & GVs	Units	11/11/21	05/24/22	11/15/22	05/29/03	04/23/08	11/11/08	05/12/09	12/01/09	05/18/10	11/02/10	11/02/10	05/10/11	11/08/11	05/31/12
BTEX																
Benzene	1	µg/L	**82**	**98**	**53**	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	1.0 U
Ethylbenzene	5	µg/L	**97**	**69**	**55**	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	1.0 U
m/p-Xylenes	- -	µg/L	**13**	**13**	**11**	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	2.0 U
o-Xylene	- -	µg/L	**63**	**48**	**37**	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	1.0 U
Toluene	5	µg/L	**3.3**	**2.9**	**2.2**	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	1.0 U
Xylenes (total)	5	µg/L	**76**	**61**	**48**	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	2.0 U
Total BTEX	- -	µg/L	**258**	**231**	**158**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Anthracene	50	µg/L	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 UB	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	**0.37 J**	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	**0.24 J**	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	1 U	0.5 UJ	0.5 U	0.47 U	0.47 U	0.5 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 UB	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	1 U	0.5 U	0.5 U	0.47 U	0.47 U	0.5 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Fluorene	50	µg/L	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Naphthalene	10	µg/L	**190 D**	**4.6 J**	**270 D**	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Pyrene	50	µg/L	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.48 U	0.48 U	4.8 U	4.7 U	4.7 U
Total PAHs	- -	µg/L	**190 D**	**4.6 J**	**270 D**	ND	ND	ND	ND	**0.61 J**	ND	ND	ND	ND	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-0203													
Date Collected:	Stds & GVs	Units	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	11/07/17	05/15/18	11/13/18	05/21/19
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	**0.9 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	1 U
m/p-Xylenes	- -	µg/L	**0.72 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	2 U
o-Xylene	- -	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	**0.72 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	**1.62 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	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	5 U	5 U	5 U	5 U
Acenaphthylene	- -	µg/L	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	5 U	5 U	5 U	5 U
Anthracene	50	µg/L	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	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	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	5 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	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	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	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	5 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	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	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	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	5 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	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	5 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	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	5 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	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	5 U	5 U	5 U	5 U
Fluorene	50	µg/L	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	5 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	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	5 U	5 U	5 U	5 U
Naphthalene	10	µg/L	**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	5 U	5 U	5 U	5 U
Phenanthrene	50	µg/L	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	5 U	5 U	5 U	5 U
Pyrene	50	µg/L	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	5 U	5 U	5 U	5 U
Total PAHs	- -	µg/L	**1.4 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-0203					MW-0301								
Date Collected:	Stds & GVs	Units	11/05/19	06/16/20	11/18/20	05/24/22	11/15/22	05/29/03	04/22/08	11/12/08	05/12/09	12/01/09	05/18/10	11/02/10	05/10/11	11/08/11
BTEX																
Benzene	1	µg/L	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	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 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
m/p-Xylenes	- -	µg/L	2 U	2 U	2 U	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
o-Xylene	- -	µg/L	1 U	1 U	1 U	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
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	1.0 U	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	1 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
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	5.4 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Acenaphthylene	- -	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Anthracene	50	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Benzo(a)anthracene	0.002	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	1.0 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Benzo(a)pyrene	0	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	1.0 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	1.0 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5.4 U	5 U	5 U	5.2 U	1 U	0.5 UJ	0.5 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Chrysene	0.002	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5.4 U	5 U	5 U	5.2 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Fluoranthene	50	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Fluorene	50	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	1.0 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Naphthalene	10	µg/L	5 U	5.4 U	**1.1 J**	5 U	5.2 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Phenanthrene	50	µg/L	5 U	5.4 UB	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Pyrene	50	µg/L	5 U	5.4 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U	4.8 U
Total PAHs	- -	µg/L	ND	ND	**1.1 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-0301					MW-8604S								
Date Collected:	Stds & GVs	Units	05/30/12	11/29/12	05/09/13	11/15/13	05/29/14	05/23/03	04/22/08	11/11/08	05/13/09	12/01/09	05/20/10	11/03/10	05/11/11	11/08/11
BTEX																
Benzene	1	µg/L	1.0 U	1 U	1 U	1 U	1 U	**360**	**22**	**33**	**43**	**24**	**20**	**31**	**14**	**3.2**
Ethylbenzene	5	µg/L	1.0 U	1 U	1 U	1 U	1 U	**230**	**31**	**35**	**62**	**35**	**21**	**18**	1.0 U	**1.1**
m/p-Xylenes	- -	µg/L	2.0 U	2 U	2 U	2 U	2 U	NA	**1.9 J**	NA	**6.8**	**2.8**	**2.3**	**2.0**	2.0 U	2.0 U
o-Xylene	- -	µg/L	1.0 U	1 U	1 U	1 U	1 U	NA	**9.3**	NA	**17**	**11**	**10**	**5.2**	**0.83 J**	**2.0**
Toluene	5	µg/L	1.0 U	1 U	1 U	1 U	1 U	**3.7 J**	**0.55 J**	**0.78 J**	**1.4**	**0.86 J**	**0.87 J**	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	µg/L	2.0 U	2 U	2 U	2 U	2 U	**32**	NA	**10**	**24**	**14**	**13**	**7.1**	**0.83 J**	**2.0**
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	**626 J**	**54 J**	**79 J**	**130**	**74 J**	**55 J**	**56**	**15 J**	**6.3**
PAHs																
Acenaphthene	20	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	**3.3 J**	**9.0**	**41**	**22**	**24**	**4.0 J**	**20**	**2.3 J**	**7.9**
Acenaphthylene	- -	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	**0.80 J**	**0.80**	**2.0**	**1.2**	**0.81**	**0.21 J**	**0.44 J**	4.8 U	**0.52 J**
Anthracene	50	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	10 U	0.50 U	**1.0**	0.47 U	**0.31 J**	0.50 U	**0.22 J**	4.8 U	4.7 U
Benzo(a)anthracene	0.002	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 UB	0.50 U	0.47 U	4.8 U	4.7 U
Benzo(a)pyrene	0	µg/L	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U
Benzo(b)fluoranthene	0.002	µg/L	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U
Benzo(g,h,i)perylene	- -	µg/L	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U
Benzo(k)fluoranthene	0.002	ug/L	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	1 U	0.5 UJ	0.5 U	0.47 U	0.47 U	0.5 U	0.47 U	4.8 U	4.7 U
Chrysene	0.002	µg/L	4.7 U	4.8 U	4.7 U	NA	NA	10 U	0.50 U	0.50 U	0.47 U	0.47 UB	0.50 U	0.47 U	4.8 U	4.7 U
Dibenzo(a,h)anthracene	- -	ug/L	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	1 U	0.5 U	0.5 U	0.47 U	0.47 U	0.5 U	0.47 U	4.8 U	4.7 U
Fluoranthene	50	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	10 U	0.50 U	**0.90**	0.47 U	**0.24 J**	0.50 U	**0.18 J**	4.8 U	4.7 U
Fluorene	50	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	**2.0 J**	**2.0**	**7.0**	**3.9**	**3.6**	**0.61**	**3.4**	4.8 U	**1.3 J**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.7 U	4.8 U	4.7 U	4.7 UJ	5.1 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U
Naphthalene	10	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	**53**	**14**	**34**	**33**	**32 J**	**7.2 J**	**24**	**1.6 J**	**3.6 J**
Phenanthrene	50	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	**0.70 J**	**0.40 J**	**5.0**	**1.3**	**1.7**	**0.22 J**	**1.6**	4.8 U	**0.61 J**
Pyrene	50	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	5.1 U	10 U	0.50 U	**0.70**	0.47 U	**0.19 J**	0.50 U	**0.14 J**	4.8 U	4.7 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	**60 J**	**26 J**	**92 J**	**62 J**	**63 J**	**12 J**	**50 J**	**3.9 J**	**14 J**

See notes on last page.

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

Location ID:	NYSDEC GW		MW-8604S												
Date Collected:	Stds & GVs	Units	05/31/12	11/30/12	05/10/13	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
BTEX																
Benzene	1	µg/L	**5.8**	**0.67 J**	**2.5**	**0.72 J**	**3.9**	**2.1**	**2.2**	**2.1**	**2.6**	**3.1**	**1.6**	**1.6**	**1.1**	**2.4**
Ethylbenzene	5	µg/L	**1.7**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**5.5**	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	- -	µg/L	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**0.7 J**	2 U	2 U	2 U	2 U	2 U
o-Xylene	- -	µg/L	**1.9**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.4**	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	**1.9 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**3.1**	2 U	2 U	3 U	2 U	2 U
Total BTEX	- -	µg/L	**9.4 J**	**0.67 J**	**2.5**	**0.72 J**	**3.9**	**2.1**	**2.2**	**2.1**	**11.2**	**3.1**	**1.6**	**1.6**	**1.1**	**2.4**
PAHs																
Acenaphthene	20	µg/L	**7.3**	**7.9**	**1.5 J**	**16**	**6.1**	**14**	**8.8**	**11**	**3.7 J**	**12**	**5.3**	**15**	**5.5**	7.6
Acenaphthylene	- -	µg/L	4.7 U	**1.2 J**	4.7 U	**2 J**	**0.42 J**	**1.8 J**	**0.73 J**	**1 J**	**0.49 J**	**0.75 J**	5 U	**1.4 J**	**0.5 J**	**1.1 J**
Anthracene	50	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 UJ	4.8 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 UJ	5.1 U	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	4.7 U	4.8 U	4.7 U	**0.45 J**	4.9 U	**0.39 J**	5.1 U	4.7 U	5 U	**0.6 J**	5 U	**0.66 J**	**5 U**	**0.52 J**
Fluorene	50	µg/L	**1.4 J**	**1.5 J**	4.7 U	**2.4 J**	**1.2 J**	**2.3 J**	**1.6 J**	**2.1 J**	**0.99 J**	**1.4 J**	**1.1 J**	**1.7 J**	**0.97 J**	**0.92 J**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 UJ	5.1 U	4.7 U	5 UJ	4.8 U	5 U	5 U	5 U	5 U
Naphthalene	10	µg/L	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	**2.6 J**	4.8 U	5 U	5 U	5 U	5 U
Phenanthrene	50	µg/L	**0.63 J**	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U	5 U	5 U	5 U
Pyrene	50	µg/L	4.7 U	**0.34 J**	4.7 U	**0.42 J**	4.9 U	**0.34 J**	5.1 U	4.7 U	5 U	**0.54 J**	5 U	**0.62 J**	**5 U**	**0.46 J**
Total PAHs	- -	µg/L	**9.3 J**	**11 J**	**1.5 J**	**21.3 J**	**7.72 J**	**18.8 J**	**11.1 J**	**14.1 J**	**7.78 J**	**15.3 J**	**6.4 J**	**19.4 J**	**7.0 J**	**10.6 J**

See notes on last page.

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

Location ID:	NYSDEC GW		MW-8604S								MW-8806S					
Date Collected:	Stds & GVs	Units	05/21/19	11/06/19	06/16/20	11/18/20	05/26/21	11/11/21	05/24/22	11/15/22	05/23/03	04/23/08	11/12/08	05/12/09	12/01/09	05/18/10
BTEX																
Benzene	1	µg/L	**0.8 J**	1 U	**1.3**	1 U	1 U	1 U	1 U	1 U	**580**	1.0 U	**150 D**	1.0 U	**14**	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.8 J**	1.0 U	**26**	1.0 U	1.0 U	1.0 U
m/p-Xylenes	- -	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2.0 U	NA	2.0 U	2.0 U	2.0 U
o-Xylene	- -	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	1.0 U	NA	1.0 U	**1.4**	1.0 U
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.1 J**	1.0 U	**4.4**	1.0 U	**0.52 J**	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**74**	NA	**52**	2.0 U	**2.0**	2.0 U
Total BTEX	- -	µg/L	**0.8 J**	ND	**1.3**	ND	ND	ND	ND	ND	**658**	ND	**232**	ND	**17 J**	ND
PAHs																
Acenaphthene	20	µg/L	**3.2 J**	5 U	**11**	**3.6 J**	**1.2 J**	**1.8 J**	**5.2**	**5.7**	**2.8**	0.50 U	**10**	0.48 U	0.47 U	0.48 U
Acenaphthylene	- -	µg/L	5 U	**0.4 J**	**0.78 J**	**0.6 J**	5.2 U	**0.59 J**	**0.43 J**	**0.76 J**	**1.6 J**	0.50 U	**0.90**	0.48 U	0.47 U	0.48 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	1 U	0.5 UJ	0.5 U	0.48 U	0.47 U	0.48 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	1 U	0.5 U	0.5 U	0.48 U	0.47 U	0.48 U
Fluoranthene	50	µg/L	5 U	5 U	**0.45 J**	**0.55 J**	5.2 U	5 U	5 U	**0.54 J**	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U
Fluorene	50	µg/L	**0.44 J**	5 U	**1.6 J**	5 U	5.2 U	5 U	**1.2 J**	**0.74 J**	**0.20 J**	0.50 U	**0.30 J**	0.48 U	0.47 U	0.48 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	5.2 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U
Naphthalene	10	µg/L	5 U	5 U	**3.1 J**	5 U	5.2 U	5 U	5 U	5 U	**130**	0.50 U	**7.0**	0.48 U	**2.0**	0.48 U
Phenanthrene	50	µg/L	5 U	5 U	5 UB	5 U	5.2 U	5 U	5 U	5 U	**0.40 J**	0.50 U	**0.60**	0.48 U	0.47 U	0.48 U
Pyrene	50	µg/L	5 U	**0.56 J**	5 U	**0.57 J**	5.2 U	5 U	5 U	**0.53 J**	10 U	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U
Total PAHs	- -	µg/L	**3.64 J**	**0.96 J**	**16.9 J**	**5.32 J**	**1.2 J**	**2.39 J**	**6.83 J**	**8.27**	**140 J**	ND	**19 J**	ND	**2.0**	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-8806S												
Date Collected:	Stds & GVs	Units	11/02/10	05/10/11	11/09/11	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
BTEX																
Benzene	1	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	**4.5 J**	1 U	**810 DJ**	1 U	**120 D**	1 U	1 U	1 U	**100**	1 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	**4**	1 U	**200 D**	1 U	**49**	1 U	1 U	1 U	**31**	1 U
m/p-Xylenes	- -	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	**0.92 J**	2 U	**100**	2 U	**28**	2 U	2 U	2 U	**7.7**	2 U
o-Xylene	- -	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	**1.3**	1 U	**220 D**	1 U	**49**	1 U	1 U	1 U	**19**	1 U
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	**18**	1 U	**8.1**	1 U	1 U	1 U	**2.6**	1 U
Xylenes (total)	5	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	**2.2**	2 U	**310 D**	2 U	**77**	2 U	2 U	2 U	**27**	2 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	**11 J**	ND	**1,338 J**	ND	**254**	ND	ND	ND	**161**	ND
PAHs																
Acenaphthene	20	µg/L	0.47 U	4.8 U	4.8 U	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
Acenaphthylene	- -	µg/L	0.47 U	4.8 U	4.8 U	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
Anthracene	50	µg/L	0.47 U	4.8 U	4.8 U	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
Benzo(a)anthracene	0.002	µg/L	**0.37 J**	4.8 U	4.8 U	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
Benzo(a)pyrene	0	µg/L	**0.38 J**	4.8 U	4.8 U	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
Benzo(b)fluoranthene	0.002	µg/L	**0.32 J**	4.8 U	4.8 U	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
Benzo(g,h,i)perylene	- -	µg/L	0.47 U	4.8 U	4.8 U	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
Benzo(k)fluoranthene	0.002	ug/L	0.47 U	4.8 U	4.8 U	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
Chrysene	0.002	µg/L	**0.24 J**	4.8 U	4.8 U	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
Dibenzo(a,h)anthracene	- -	ug/L	0.47 U	4.8 U	4.8 U	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
Fluoranthene	50	µg/L	**0.31 J**	4.8 U	4.8 U	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
Fluorene	50	µg/L	0.47 U	4.8 U	4.8 U	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
Indeno(1,2,3-cd)pyrene	0.002	µg/L	**0.12 J**	4.8 U	4.8 U	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
Naphthalene	10	µg/L	0.47 U	4.8 U	4.8 U	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
Phenanthrene	50	µg/L	0.47 U	4.8 U	4.8 U	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
Pyrene	50	µg/L	**0.30 J**	4.8 U	4.8 U	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
Total PAHs	- -	µg/L	**2.0 J**	ND	ND	ND	**11 J**	ND	**1,445 J**	ND	**260**	ND	ND	ND	**78.3 J**	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-8806S											MW-8807S		
Date Collected:	Stds & GVs	Units	11/07/17	05/15/18	11/13/18	05/22/19	11/06/19	06/16/20	11/18/20	05/26/21	11/11/21	05/24/22	11/15/22	05/28/03	04/22/08	11/11/08
BTEX																
Benzene	1	µg/L	**24**	1 U	1 U	1 U	1 U	**0.60 J**	**23**	1 U	1 U	1 U	**0.88 J**	**96**	1.0 U	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	**13**	1 U	1 U	1 U	1 U	**24**	1.0 U	1.0 U
m/p-Xylenes	- -	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	**1.4 J**	2 U	2 U	2 U	2 U	NA	2.0 U	NA
o-Xylene	- -	µg/L	**5.5**	1 U	1 U	1 U	1 U	1 U	**6.7**	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	**0.75 J**	1 U	1 U	1 U	1 U	**0.40 J**	1.0 U	1.0 U
Xylenes (total)	5	µg/L	**5.5**	2 U	2 U	2 U	2 U	2 U	**8.1**	2 U	2 U	2 U	2 U	**2.6 J**	NA	3.0 U
Total BTEX	- -	µg/L	**29.5**	ND	ND	ND	ND	**0.60 J**	**44.9 J**	ND	ND	ND	**0.88 J**	**123**	ND	ND
PAHs																
Acenaphthene	20	µg/L	**1.7 J**	5 U	5 U	5 U	5 U	5 U	**3.3 J**	5 U	5 U	5 U	**0.51 J**	**2.9 J**	**0.90**	0.50 U
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	**0.30 J**	0.50 U	0.50 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	10 U	0.50 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 U	5 U	5 U	5.2 U	1.0 U	0.50 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 U	5 U	5 U	5.2 U	1.0 U	0.50 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 U	5 U	5 U	5.2 U	1.0 U	0.50 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 U	5 U	5 U	5.2 U	10 U	0.50 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 U	5 U	5 U	5.2 U	1 U	0.5 UJ	0.5 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	10 U	0.50 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 U	5 U	5 U	5.2 U	1 U	0.5 U	0.5 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	10 U	0.50 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 U	5 U	5 U	5.2 U	1.0 U	0.50 U	0.50 U
Naphthalene	10	µg/L	**15**	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	**3.0 J**	**13**	0.50 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 UB	5 U	5 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	10 U	0.50 U	0.50 U
Total PAHs	- -	µg/L	**16.7 J**	ND	ND	ND	ND	ND	**3.3 J**	ND	ND	ND	**0.51 J**	**6.2**	**14**	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-8807S													
Date Collected:	Stds & GVs	Units	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	11/17/15
BTEX																
Benzene	1	µg/L	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	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 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	- -	µg/L	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	2 U
o-Xylene	- -	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	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 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	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	**8.5**	ND	ND	**16**	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	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	5.2 U
Acenaphthylene	- -	µg/L	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	5.2 U
Anthracene	50	µg/L	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	5.2 U
Benzo(a)anthracene	0.002	µg/L	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	5.2 U
Benzo(a)pyrene	0	µg/L	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	5.2 U
Benzo(b)fluoranthene	0.002	µg/L	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	5.2 U
Benzo(g,h,i)perylene	- -	µg/L	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	5.2 U
Benzo(k)fluoranthene	0.002	ug/L	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	5.2 U
Chrysene	0.002	µg/L	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	5.2 U
Dibenzo(a,h)anthracene	- -	ug/L	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	5.2 U
Fluoranthene	50	µg/L	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	5.2 U
Fluorene	50	µg/L	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	5.2 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	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	5.2 U
Naphthalene	10	µg/L	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	5.2 U
Phenanthrene	50	µg/L	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	5.2 U
Pyrene	50	µg/L	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	5.2 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 3
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC GW		MW-8807S						MW-8808S							
Date Collected:	Stds & GVs	Units	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	05/10/11
BTEX																
Benzene	1	µg/L	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	1.0 U
Ethylbenzene	5	µg/L	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	1.0 U
m/p-Xylenes	- -	µg/L	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	2.0 U
o-Xylene	- -	µg/L	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	1.0 U
Toluene	5	µg/L	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	1.0 U
Xylenes (total)	5	µg/L	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	2.0 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.3 J**	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	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	4.7 U
Acenaphthylene	- -	µg/L	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	4.7 U
Anthracene	50	µg/L	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	4.7 U
Benzo(a)anthracene	0.002	µg/L	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	4.7 U
Benzo(a)pyrene	0	µg/L	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	4.7 U
Benzo(b)fluoranthene	0.002	µg/L	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	4.7 U
Benzo(g,h,i)perylene	- -	µg/L	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	4.7 U
Benzo(k)fluoranthene	0.002	ug/L	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	4.7 U
Chrysene	0.002	µg/L	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	4.7 U
Dibenzo(a,h)anthracene	- -	ug/L	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	4.7 U
Fluoranthene	50	µg/L	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	4.7 U
Fluorene	50	µg/L	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	4.7 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	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	4.7 U
Naphthalene	10	µg/L	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	4.7 U
Phenanthrene	50	µg/L	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	4.7 U
Pyrene	50	µg/L	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	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 3
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC GW		MW-8808S											
Date Collected:	Stds & GVs	Units	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 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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	- -	µg/L	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	- -	µg/L	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 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 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
PAHs															
Acenaphthene	20	µg/L	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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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	4.8 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

See notes on last page.

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

Location ID:	NYSDEC GW		MW-8808S		MW-9109S											
Date Collected:	Stds & GVs	Units	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	- -	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	- -	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 3
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC GW		MW-9109S		MW-9110S											
Date Collected:	Stds & GVs	Units	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	- -	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	- -	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 3
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC GW		MW-9110S											MW-9111S		
Date Collected:	Stds & GVs	Units	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	- -	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	- -	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 3
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC GW		MW-9111S												
Date Collected:	Stds & GVs	Units	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	- -	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	- -	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 3
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC GW		MW-9111S													
Date Collected:	Stds & GVs	Units	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	- -	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	- -	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 3
Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC GW		MW-9112D													
Date Collected:	Stds & GVs	Units	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	05/30/12	11/29/12	05/09/13	11/13/13
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	1.0 U	1.0 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	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	1.0 U	**0.75 J**	1 U	1 U
m/p-Xylenes	- -	µg/L	NA	NA	NA	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
o-Xylene	- -	µg/L	NA	NA	NA	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
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	1.0 U	1.0 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	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	2.0 U	2 U	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.75 J**	ND	ND
PAHs																
Acenaphthene	20	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Acenaphthylene	- -	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Anthracene	50	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Benzo(a)anthracene	0.002	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Benzo(a)pyrene	0	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Benzo(b)fluoranthene	0.002	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Benzo(g,h,i)perylene	- -	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Benzo(k)fluoranthene	0.002	ug/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Chrysene	0.002	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Dibenzo(a,h)anthracene	- -	ug/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Fluoranthene	50	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Fluorene	50	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Naphthalene	10	µg/L	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	5.6 U	**1.2 J**	4.8 U	4.8 U
Phenanthrene	50	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Pyrene	50	µg/L	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	5.6 U	4.7 U	4.8 U	4.8 U
Total PAHs	- -	µg/L	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	**1.2 J**	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-9112D													
Date Collected:	Stds & GVs	Units	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	05/21/19	11/05/19	06/16/20	11/18/20
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	- -	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	- -	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	2 U	3 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	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acenaphthylene	- -	µg/L	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	5 U	5 U	5 U	5 U
Anthracene	50	µg/L	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	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	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	5 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	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	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	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	5 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	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	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	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	5 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	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	5 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	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	5 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	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	5 U	5 U	5 U	5 U
Fluorene	50	µg/L	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	5 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	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	5 U	5 U	5 U	5 U
Naphthalene	10	µg/L	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	5 U	5 U	5 U	5 U
Phenanthrene	50	µg/L	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	5 U	5 U	5 U	5 U
Pyrene	50	µg/L	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	5 U	5 U	5 U	5 U
Total PAHs	- -	µg/L	ND	ND	**0.95 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-9112D				MW-9112S									
Date Collected:	Stds & GVs	Units	05/26/21	11/11/21	05/24/22	11/15/22	05/22/03	09/18/07	12/17/07	04/23/08	11/11/08	05/12/09	12/01/09	05/19/10	11/03/10	05/10/11
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 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 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	- -	µg/L	2 U	2 U	2 U	2 U	NA	NA	NA	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-Xylene	- -	µg/L	1 U	1 U	1 U	1 U	NA	NA	NA	1.0 U	NA	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 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 U	5.0 U	1.5 U	1.5 U	NA	3.0 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	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	1.0 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	1.0 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	1.0 U	NA	NA	0.50 UJ	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Benzo(g,h,i)perylene	- -	µg/L	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	1 U	NA	NA	0.5 UJ	0.5 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	5 U	1 U	NA	NA	0.5 UJ	0.5 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	1.0 U	NA	NA	0.50 UJ	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	10 U	NA	NA	**0.50**	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.50 U	0.48 U	0.48 U	0.47 U	0.47 U	4.8 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	NA	NA	**0.50**	ND	ND	ND	ND	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-9112S												
Date Collected:	Stds & GVs	Units	11/08/11	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	05/15/18
BTEX																
Benzene	1	µg/L	1.0 U	1.0 U	**0.42 J**	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	**1.2**	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	- -	µg/L	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	2 U
o-Xylene	- -	µg/L	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	1 U
Toluene	5	µg/L	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	1 U
Xylenes (total)	5	µg/L	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	2 U
Total BTEX	- -	µg/L	ND	ND	**1.6 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Acenaphthylene	- -	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Anthracene	50	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 UJ	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Fluorene	50	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 UJ	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Naphthalene	10	µg/L	4.7 U	5.6 U	**1.8 J**	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Phenanthrene	50	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Pyrene	50	µg/L	4.7 U	5.6 U	4.7 U	4.8 U	5.6 U	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Total PAHs	- -	µg/L	ND	ND	**1.8 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-9112S									MW-9114S				
Date Collected:	Stds & GVs	Units	11/13/18	05/21/19	11/06/19	06/16/20	11/18/20	05/26/21	11/11/21	05/24/22	11/15/22	05/21/03	04/23/08	11/11/08	05/12/09	12/02/09
BTEX																
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.42 J**
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	- -	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	NA	2.0 U	NA	2.0 U	2.0 U
o-Xylene	- -	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	1.0 U	NA	1.0 U	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	5.0 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 U	2 U	2 U	5.0 U	NA	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	**0.42 J**
PAHs																
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U
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	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U
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	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U
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	10 U	0.50 U	0.50 U	0.47 U	0.47 U
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	1 U	0.5 UJ	0.5 U	0.47 U	0.47 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U
Dibenzo(a,h)anthracene	- -	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	0.5 U	0.5 U	0.47 U	0.47 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 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 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	**1.0**	0.50 U	0.47 U	0.47 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 UB	5 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.2 J**	ND	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-9114S													
Date Collected:	Stds & GVs	Units	05/19/10	11/02/10	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
BTEX																
Benzene	1	µg/L	1.0 U	1.0 U	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
Ethylbenzene	5	µg/L	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	1 U	1 U	1 U	1 U
m/p-Xylenes	- -	µg/L	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	2 U	2 U
o-Xylene	- -	µg/L	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	1 U	1 U
Toluene	5	µg/L	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	**1.9**	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 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	**2.7 J**	ND	ND	ND	ND	ND	**1.9**	ND	ND
PAHs																
Acenaphthene	20	µg/L	0.49 U	0.47 U	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
Acenaphthylene	- -	µg/L	0.49 U	0.47 U	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
Anthracene	50	µg/L	0.49 U	0.47 U	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
Benzo(a)anthracene	0.002	µg/L	0.49 U	0.47 U	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
Benzo(a)pyrene	0	µg/L	0.49 U	0.47 U	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
Benzo(b)fluoranthene	0.002	µg/L	0.49 U	0.47 U	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
Benzo(g,h,i)perylene	- -	µg/L	0.49 U	0.47 U	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
Benzo(k)fluoranthene	0.002	ug/L	0.49 U	0.47 U	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
Chrysene	0.002	µg/L	0.49 U	0.47 U	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
Dibenzo(a,h)anthracene	- -	ug/L	0.49 U	0.47 U	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
Fluoranthene	50	µg/L	0.49 U	0.47 U	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
Fluorene	50	µg/L	0.49 U	0.47 U	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
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.49 U	0.47 U	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
Naphthalene	10	µg/L	0.49 U	0.47 U	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
Phenanthrene	50	µg/L	0.49 U	0.47 U	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
Pyrene	50	µg/L	0.49 U	0.47 U	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
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	**2.3 J**	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-9114S												MW-9502S	
Date Collected:	Stds & GVs	Units	05/16/17	11/07/17	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	05/21/03	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 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 U	4.0 U	**0.94**
m/p-Xylenes	- -	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	NA
o-Xylene	- -	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	NA
Toluene	5	µg/L	**25**	1 U	**0.55 J**	1 U	**19**	**1.9**	1U	1U	**1.1**	1 U	1 U	1 U	5.0 U	0.50 U
Xylenes (total)	5	µg/L	2 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5.0 U	**1.4 J**
Total BTEX	- -	µg/L	**25**	ND	**0.55 J**	ND	**19**	**1.9**	ND	ND	**1.1**	ND	ND	ND	ND	**2.3 J**
PAHs																
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	10 U	NA
Acenaphthylene	- -	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	10 U	NA
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 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	6 U	5 U	5.4 U	5 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	6 U	5 U	5.4 U	5 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	6 U	5 U	5.4 U	5 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	6 U	5 U	5.4 U	5 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	6 U	5 U	5.4 U	5 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	6 U	5 U	5.4 U	5 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	6 U	5 U	5.4 U	5 U	1 U	NA
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	**0.45 J**	5 U	6 U	5 U	5.4 U	5 U	10 U	NA
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 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	6 U	5 U	5.4 U	5 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	6 U	5 U	5.4 U	5 U	10 U	NA
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 UB	5 U	6 U	5 U	5.4 U	5 U	10 U	NA
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5.4 U	5 U	10 U	NA
Total PAHs	- -	µg/L	ND	ND	ND	ND	ND	ND	**0.45 J**	ND	ND	ND	ND	ND	ND	NA

See notes on last page.

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

Location ID:	NYSDEC GW		MW-9502S												
Date Collected:	Stds & GVs	Units	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	05/19/15	11/17/15
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	**1.9**	1 U	1 U	1 U	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	**1.3**	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	- -	µg/L	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	2 U	2 U
o-Xylene	- -	µg/L	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	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 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	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	2 U	2 U
Total BTEX	- -	µg/L	ND	ND	ND	ND	ND	ND	ND	**3.2**	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	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	4.8 U	5 U
Acenaphthylene	- -	µg/L	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	4.8 U	5 U
Anthracene	50	µg/L	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	4.8 U	5 U
Benzo(a)anthracene	0.002	µg/L	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	4.8 U	5 U
Benzo(a)pyrene	0	µg/L	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	4.8 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	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	4.8 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	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	4.8 UJ	5 U
Benzo(k)fluoranthene	0.002	ug/L	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	4.8 U	5 U
Chrysene	0.002	µg/L	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	4.8 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	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	4.8 U	5 U
Fluoranthene	50	µg/L	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	4.8 U	5 U
Fluorene	50	µg/L	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	4.8 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	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	4.8 UJ	5 U
Naphthalene	10	µg/L	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	4.8 U	5 U
Phenanthrene	50	µg/L	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	4.8 U	5 U
Pyrene	50	µg/L	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	4.8 U	5 U
Total PAHs	- -	µg/L	NA	ND	ND	ND	ND	ND	ND	**2.6 J**	ND	ND	ND	ND	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		MW-9502S													
Date Collected:	Stds & GVs	Units	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	05/24/22	11/15/22
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	- -	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	- -	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	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs																
Acenaphthene	20	µg/L	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	5 U	5 U
Acenaphthylene	- -	µg/L	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	5 U	5 U
Anthracene	50	µg/L	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	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	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	5 U	5 U
Benzo(a)pyrene	0	µg/L	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	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	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	5 U	5 U
Benzo(g,h,i)perylene	- -	µg/L	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	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	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	5 U	5 U
Chrysene	0.002	µg/L	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	5 U	5 U
Dibenzo(a,h)anthracene	- -	ug/L	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	5 U	5 U
Fluoranthene	50	µg/L	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	5 U	5 U
Fluorene	50	µg/L	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	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	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	5 U	5 U
Naphthalene	10	µg/L	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	5 U	5 U
Phenanthrene	50	µg/L	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	5 U	5 U
Pyrene	50	µg/L	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	5 U	5 U
Total PAHs	- -	µg/L	ND	**0.38 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page.

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

Location ID:	NYSDEC GW		PTMW-0202													
Date Collected:	Stds & GVs	Units	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	11/14/13	05/29/14	11/19/14	05/21/15	11/17/15
BTEX																
Benzene	1	µg/L	**22**	**12**	**7.1**	**33**	1.0 U	1.0 U	**32**	**320 D**	**120**	**30**	**53**	**290 D**	**90**	**230**
Ethylbenzene	5	µg/L	**7.7**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**12**	2 U	1 U	1 U	**0.92 J**	1 U	**21**
m/p-Xylenes	- -	µg/L	NA	2.0 U	2.0 U	**1.4 J**	2.0 U	2.0 U	2.0 U	**1.2 J**	4 U	2 U	2 U	**2.6**	2 U	8 U
o-Xylene	- -	µg/L	NA	**2.4**	1.0 U	**3.2**	1.0 U	1.0 U	1.0 U	**12**	**6.2**	1 U	**1.6**	**7.5**	**1.9**	**7.2**
Toluene	5	µg/L	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	1 U	1 U	1 U	1 U	4 U
Xylenes (total)	5	µg/L	**1.6 J**	**2.9**	2.0 U	**4.6**	2.0 U	2.0 U	2.0 U	**13**	**6.2**	2 U	**1.6 J**	**10**	**1.9 J**	**7.2 J**
Total BTEX	- -	µg/L	**31 J**	**15**	**7.1**	**38 J**	ND	ND	**32**	**346 J**	**126**	**30**	**54.6 J**	**301 J**	**91.9 J**	**258 J**
PAHs																
Acenaphthene	20	µg/L	**52**	**39**	**34**	**42**	**23**	**41**	**35**	**55**	**43 J**	**20**	**43**	**61 J**	**40**	**20**
Acenaphthylene	- -	µg/L	**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	5.5 U	**0.4 J**	230 U	**0.43 J**	4.7 U
Anthracene	50	µg/L	**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	5.5 U	**0.34 J**	230 U	5.1 U	**0.27 J**
Benzo(a)anthracene	0.002	µg/L	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**	5.5 U	4.6 U	230 U	5.1 U	4.7 U
Benzo(a)pyrene	0	µg/L	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	5.5 U	4.6 U	230 U	5.1 U	4.7 U
Benzo(b)fluoranthene	0.002	µg/L	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**	5.5 U	4.6 U	230 U	5.1 U	4.7 U
Benzo(g,h,i)perylene	- -	µg/L	10 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	R	5.5 U	4.6 U	230 U	5.1 U	4.7 U
Benzo(k)fluoranthene	0.002	ug/L	1 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	R	5.5 U	4.6 U	230 U	5.1 U	4.7 U
Chrysene	0.002	µg/L	10 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	R	5.5 U	4.6 U	230 UJ	5.1 U	4.7 U
Dibenzo(a,h)anthracene	- -	ug/L	1 U	0.47 U	0.48 U	0.48 U	4.8 U	4.7 U	5.3 U	4.7 U	R	5.5 U	4.6 U	230 U	5.1 U	4.7 U
Fluoranthene	50	µg/L	**0.50 J**	**0.56**	**0.45 J**	**0.88**	4.8 U	4.7 U	5.3 U	**0.41 J**	R	**0.5 J**	**0.56 J**	230 U	5.1 U	**0.44 J**
Fluorene	50	µg/L	**6.9 J**	**3.1**	**5.2**	**9.8**	4.8 U	**4.7**	**5.2 J**	**7.8**	**3.9 J**	**2.2 J**	**8.4**	230 U	**3.4 J**	**3.5 J**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	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	5.5 U	4.6 U	230 UJ	5.1 U	4.7 U
Naphthalene	10	µg/L	**0.70 J**	**16**	**0.36 J**	**48**	4.8 U	4.7 U	5.3 U	**69**	**R**	**1.3 J**	4.6 U	**120 J**	5.1 U	**18**
Phenanthrene	50	µg/L	**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**	5.5 U	**1.5 J**	230 U	**0.89 J**	**1.1 J**
Pyrene	50	µg/L	**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**	**0.53 J**	**0.68 J**	230 U	5.1 U	4.7 U
Total PAHs	- -	µg/L	**68 J**	**60 J**	**41 J**	**100 J**	**23**	**47 J**	**40 J**	**136 J**	**50 J**	**24.5 J**	**54.9 J**	**181 J**	**44.7 J**	**43.3 J**

See notes on last page.

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

Location ID:	NYSDEC GW		PTMW-0202													
Date Collected:	Stds & GVs	Units	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	11/18/20	05/26/21	11/11/21	05/24/22	11/15/22
BTEX																
Benzene	1	µg/L	**97**	1 U	**40**	**380**	**260**	**160**	**18**	**390**	54	**580 D**	**56 J**	**64**	**16**	**460**
Ethylbenzene	5	µg/L	4 U	1 U	1 U	**43**	4 U	4 U	1 U	4 U	1 U	**0.98 J**	1 U	1 U	1 U	10 U
m/p-Xylenes	- -	µg/L	8 U	2 U	2 U	**3.8**	8 U	8 U	2 U	**2.9 J**	2 U	**2.9**	2 U	**1.1 J**	2 U	20 U
o-Xylene	- -	µg/L	4 U	1 U	**2.7**	**17**	**4.9**	**5.3**	**1.8**	**8.3**	**0.97 J**	**11**	**2**	**2.8**	1 U	**8.4 J**
Toluene	5	µg/L	4 U	1 U	**0.52 J**	**0.86 J**	4 U	4 U	1 U	4 U	1 U	**0.64 J**	1 U	1 U	1 U	10 U
Xylenes (total)	5	µg/L	8 U	2 U	**2.7**	**21**	**4.9 J**	**5.3 J**	**1.8 J**	**11**	**0.97 J**	**14**	**2**	**3.9**	2 U	**8.4 J**
Total BTEX	- -	µg/L	**97**	ND	**43.2 J**	**445 J**	**265 J**	**165 J**	**19.8 J**	**401**	**55.0 J**	**596 DJ**	**58 J**	**67.9 J**	**16**	**468 J**
PAHs																
Acenaphthene	20	µg/L	**39**	4.6 U	**57**	**86 D**	**63**	**88**	**40**	**77 D**	**41**	**73**	**41 J**	**51**	**34**	**60 J**
Acenaphthylene	- -	µg/L	4.8 U	4.6 U	5 U	**0.8 J**	**0.62 J**	5 U	5 U	5 U	25 U	25 U	25 U	25 U	26 U	25 U
Anthracene	50	µg/L	**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	25 U	25 U	25 U	26 U	25 U
Benzo(a)anthracene	0.002	µg/L	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	26 U	25 U
Benzo(a)pyrene	0	µg/L	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	26 U	25 U
Benzo(b)fluoranthene	0.002	µg/L	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	26 U	25 U
Benzo(g,h,i)perylene	- -	µg/L	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	26 U	25 U
Benzo(k)fluoranthene	0.002	ug/L	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	26 U	25 U
Chrysene	0.002	µg/L	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	26 U	25 U
Dibenzo(a,h)anthracene	- -	ug/L	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	26 UJ	25 U
Fluoranthene	50	µg/L	**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	25 U	25 U	25 U	26 U	25 U
Fluorene	50	µg/L	**5.9**	4.6 U	**8**	**16**	**11**	**21**	**9.7**	**18**	**4.1 J**	**15 J**	**5.2 J**	**11 J**	**5.5 J**	**13 J**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U	26 U	25 U
Naphthalene	10	µg/L	**12**	4.6 U	5 U	**290 D**	**7.8**	**99 D**	5 U	**90 D**	25 U	**110**	25 U	**15 J**	26 U	**43 J**
Phenanthrene	50	µg/L	**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	**3.2 J**	25 U	**2.8 J**	26 U	25 U
Pyrene	50	µg/L	**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	25 U	25 U	25 U	26 U	25 U
Total PAHs	- -	µg/L	**61.1 J**	ND	**69.5 J**	**401 J**	**86.2 J**	**221 DJ**	**53 J**	**192 J**	**45.1 J**	**201 J**	**46.2 J**	**79.8 J**	**39.5 J**	**116 J**

See notes on last page.

Table 3
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. D - Compound quantitated using a secondary dilution.
3. J - Indicates that the analyte was detected at a concentration less than the practical quantitation limit (PQL).
4. U - Indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.
5. B - Indicates an estimated values between the instrument detection limit (IDL) and the PQL.
6. ND - not detected
7. Sample results detected above the Method Detection Limit (MDL) are presented in bold font.
8. Shading indicates that the result exceeds the NYSDEC TOGS 1.1.1 Water Quality Standard or Guidance Value.
9. Only detected Benzene, Ethylbenzene, Toluene, Xylenes [BTEX] and Polycyclic Aromatic Hydrocarbons [PAH] are presented.
10. NA - not analyzed
11. 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.

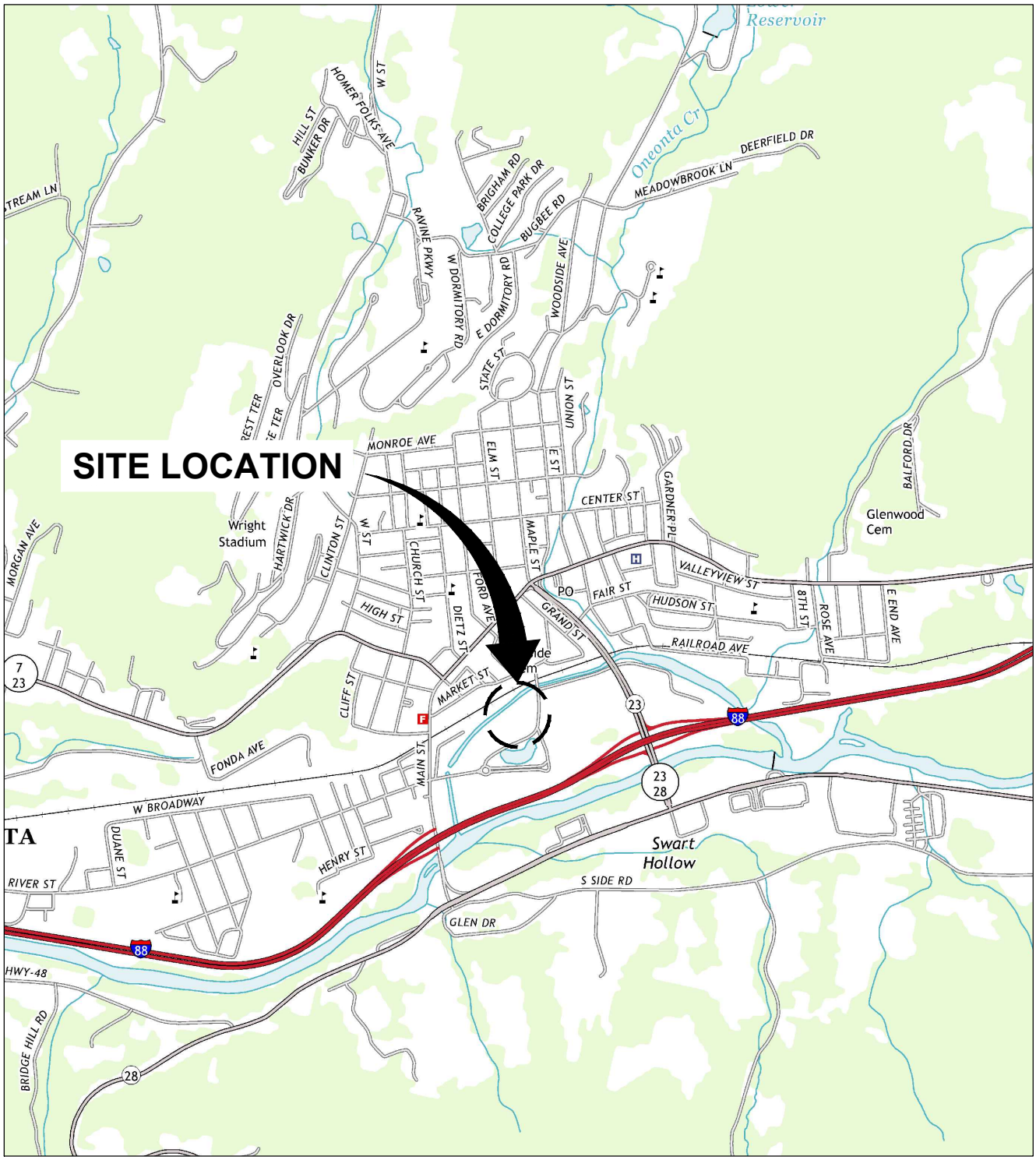
Table 4
PFAS Groundwater Analytical Results
Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID:	NYSDEC Groundwater Screening Level	Units	MW-0201	MW-9111S		MW-9114S
Date Collected:			11/05/19	11/05/19	05/24/22	11/05/19
PFOA/PFOS						
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	- -	ng/L	2.01 U	2.05 U	2.6 U	2 U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	- -	ng/L	2.01 U	2.05 U	4.3 U	2 U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	- -	ng/L	2.01 U	2.05 U	2.6 U	2 U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	- -	ng/L	2.01 U	2.05 U	1.7 UJ	2 U
Perfluorobutanesulfonic Acid (PFBS)	- -	ng/L	**0.803 J**	**2.59**	**1.4 J**	**2.9**
Perfluorobutanoic Acid (PFBA)	- -	ng/L	**1.34 J**	**1.44 J**	4.3 U	**2.38**
Perfluorodecanesulfonic Acid (PFDS)	- -	ng/L	2.01 UJ	2.05 UJ	1.7 UJ	2 UJ
Perfluorodecanoic Acid (PFDA)	- -	ng/L	2.01 U	2.05 U	1.7 U	2 U
Perfluorododecanoic Acid (PFDoA)	- -	ng/L	2.01 U	2.05 U	R	2 U
Perfluoroheptanesulfonic Acid (PFHpS)	- -	ng/L	2.01 U	**1.19 J**	**0.86 J**	2 U
Perfluoroheptanoic Acid (PFHpA)	- -	ng/L	**0.884 J**	**0.668 J**	**0.47 J**	**0.524 J**
Perfluorohexanesulfonic Acid (PFHxS)	- -	ng/L	**0.598 J**	**46.7**	**22**	2 U
Perfluorohexanoic Acid (PFHxA)	- -	ng/L	2.01 UB	2.05 UB	1 UB	2 UB
Perfluorononanoic Acid (PFNA)	- -	ng/L	2.01 U	**0.336 J**	1.7 U	**0.332 J**
Perfluorooctanesulfonamide (FOSA)	- -	ng/L	2.01 UJ	2.05 UJ	1.7 UJ	2 UJ
Perfluorooctanesulfonic Acid (PFOS)	10	ng/L	2.01 U	**40.3**	**27**	**0.764 J**
Perfluorooctanoic Acid (PFOA)	10	ng/L	**1.76 J**	**2.74**	**1.8**	**1 J**
Perfluoropentanoic Acid (PFPeA)	- -	ng/L	**2.53**	**0.717 J**	**0.58 J**	**0.856 J**
Perfluorotetradecanoic Acid (PFTA)	- -	ng/L	2.01 U	2.05 U	R	2 U
Perfluorotridecanoic Acid (PFTrDA)	- -	ng/L	2.01 U	2.05 U	1.7 UJ	2 U
Perfluoroundecanoic Acid (PFUnA)	- -	ng/L	2.01 U	2.05 U	1.7 UJ	2 U
Total PFOA/PFOS	- -	ng/L	7.92 J	96.7 J	54.1 J	8.76 J

Acronyms and Abbreviations:
B - The analyte was detected above the reporting limit in the associated method blank.
J - Indicates an estimated value.
ng/L - nanograms per liter (or parts per trillion [ppt]).
PFAS - per- and polyfluoroalkyl substances.
R - The data was rejected. Refer to Data Usability Summary Report.
U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Notes:
1. Groundwater samples analyzed by Eurofins TestAmerica, Amherst, New York .
2. Groundwater samples were analyzed for the 21 PFAS listed in New York State Department of Environmental Conservation's November 2022 guidance using USEPA Method 537M.
3. Data have been validated.
4. PFOA/PFOS groundwater screening criteria provided in NYSDEC's November 2022 guidance.
5. Bold values exceed the method detection limit.
6. Shaded results exceed the applicable screening values.

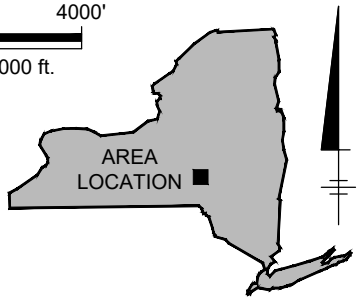
Figures



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

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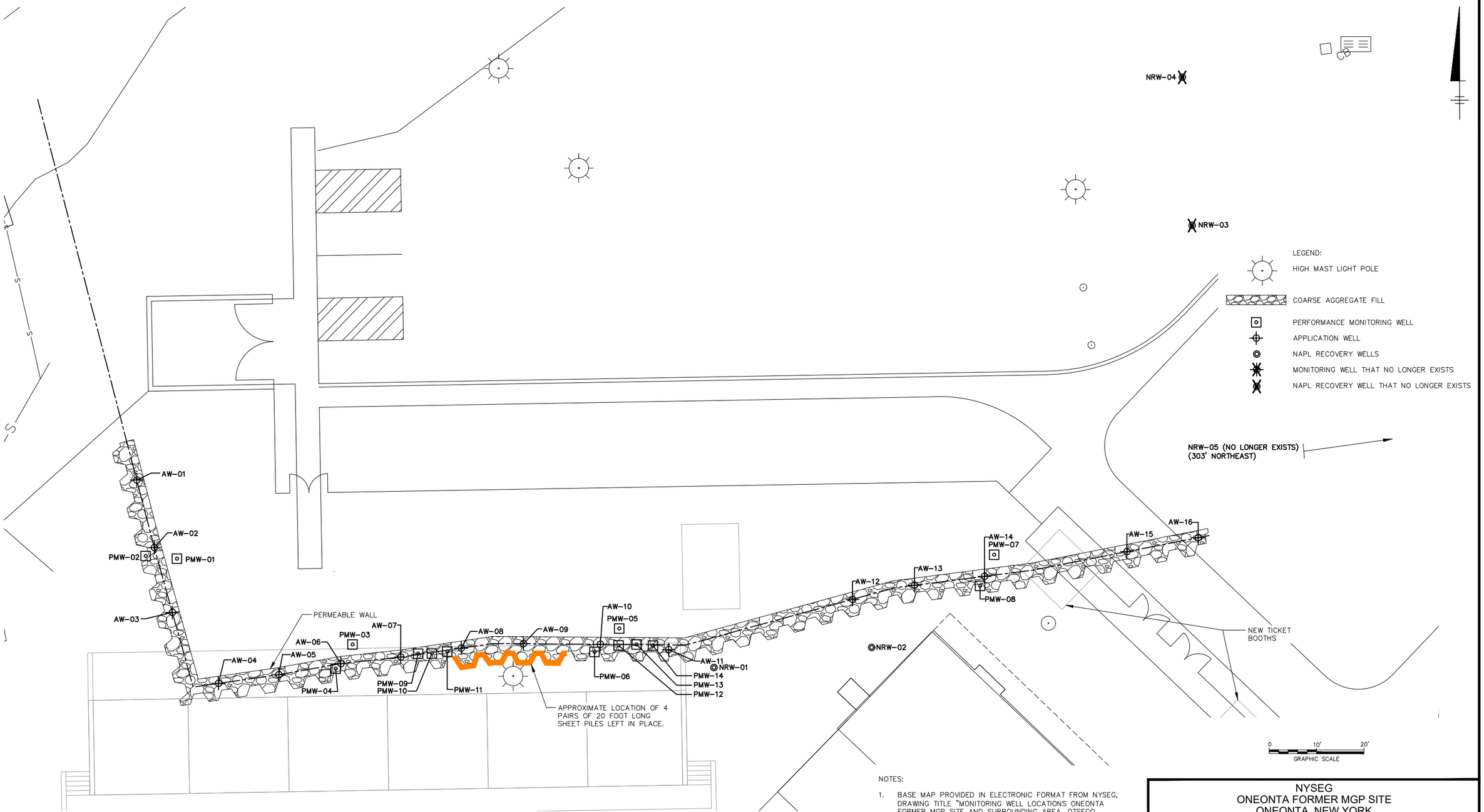


NOTES:

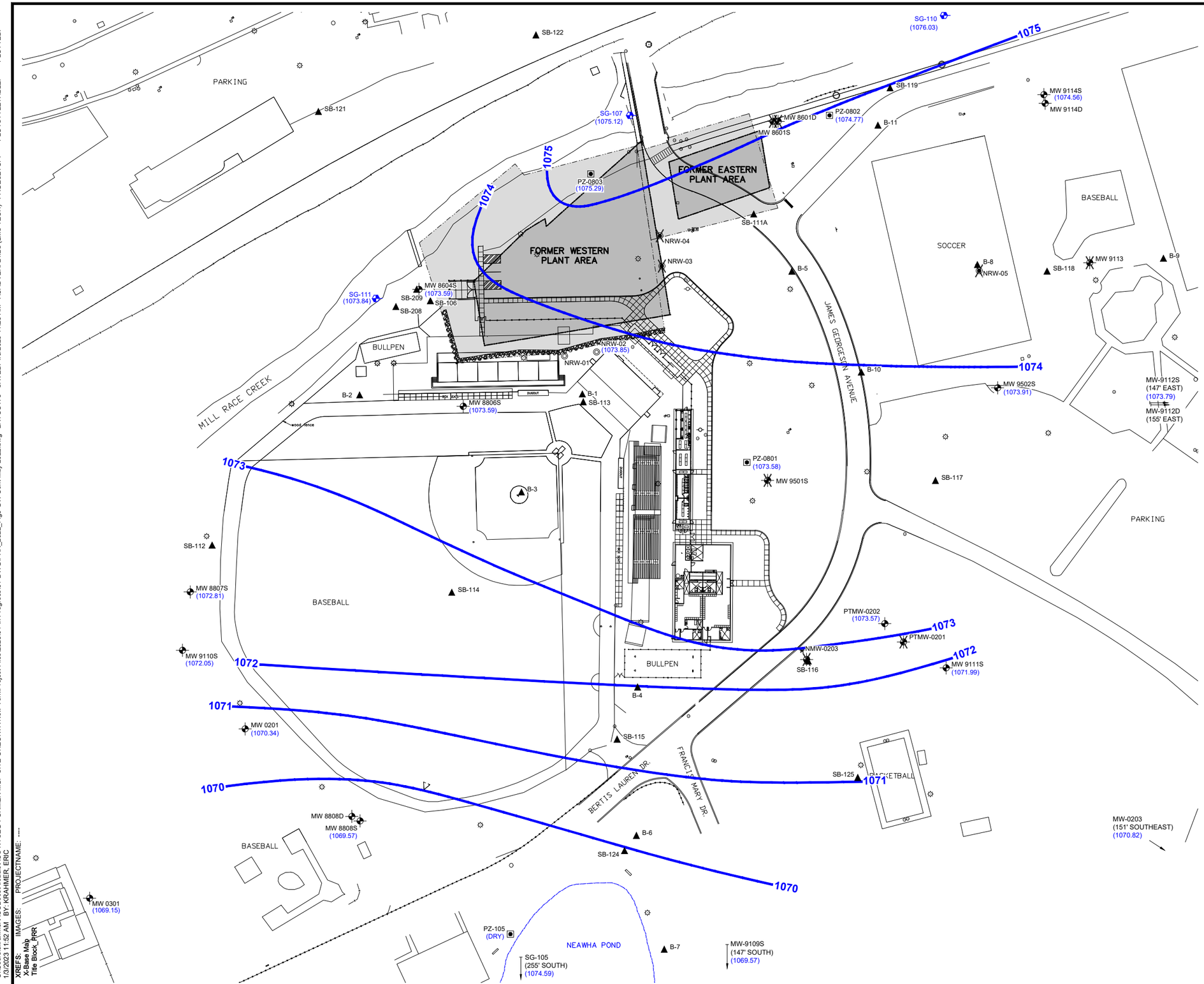
1. BASE MAP PROVIDED IN ELECTRONIC FORMAT FROM NYSEG, DRAWING TITLE "MONITORING WELL LOCATIONS ONEONTA FORMER MGP SITE AND SURROUNDING AREA, OTSEGO COUNTY, NEW YORK", AT A SCALE OF 1"=60', DATED 2/18/02.
2. DAMASCHKE FIELD RENOVATIONS BASED DRAWING TITLE "AIR MONITORING LOCATIONS ONEONTA MGP" FROM NYSEG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

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
- WELL EQUIPPED WITH SUMP
- PIEZOMETER
- MONITORING WELL THAT NO LONGER EXISTS
- NAPL RECOVERY WELL THAT NO LONGER EXISTS
- 1073 — WATER TABLE ELEVATION (FAMSL)
- (1073.91) 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 23, 2022

ARCADIS

FIGURE
3

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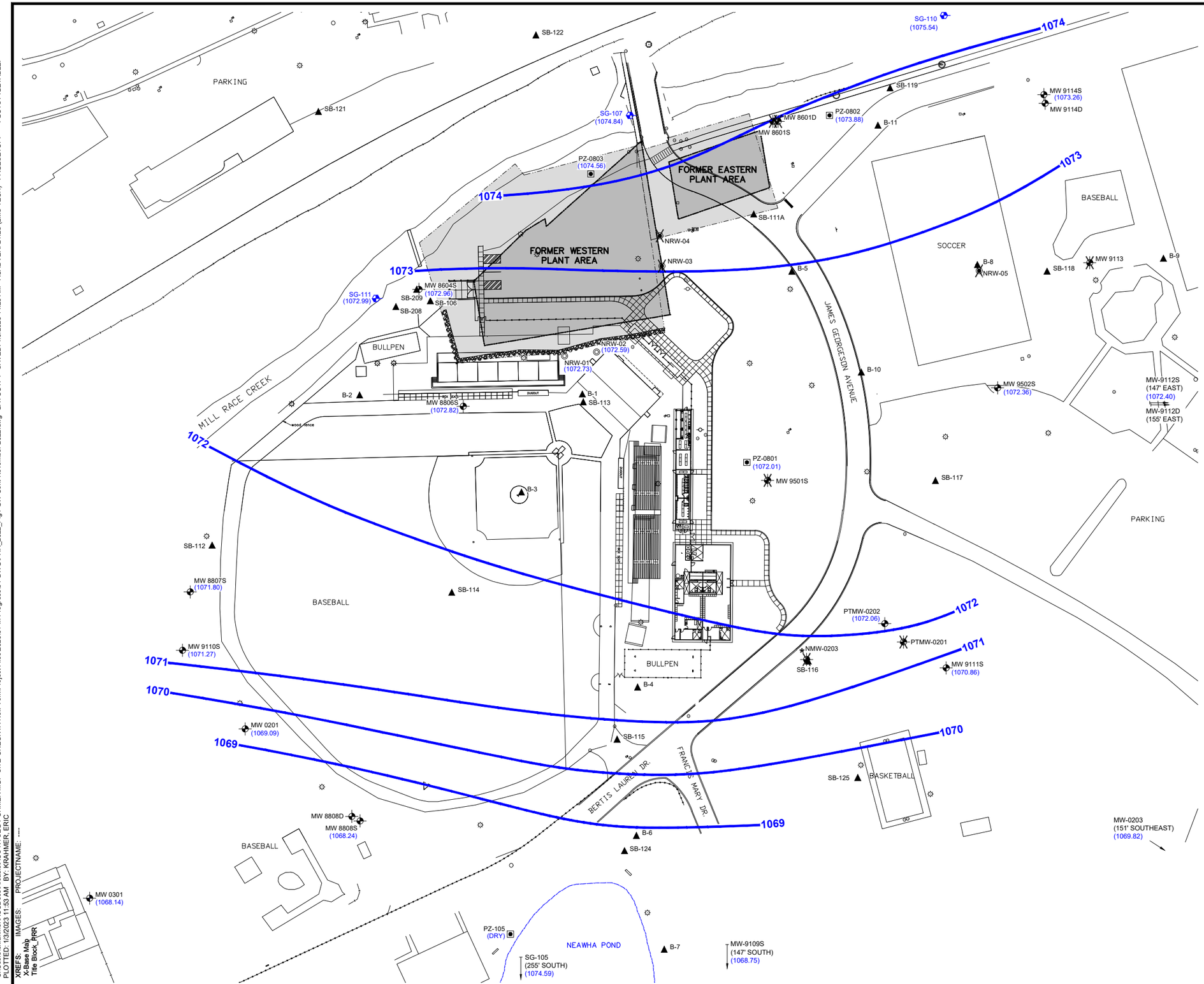
Tile Block_PRR



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
- WELL EQUIPPED WITH SUMP
- PIEZOMETER
- MONITORING WELL THAT NO LONGER EXISTS
- NAPL RECOVERY WELL THAT NO LONGER EXISTS
- 1073 — WATER TABLE ELEVATION (FAMSL)
- (1072.36) 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.

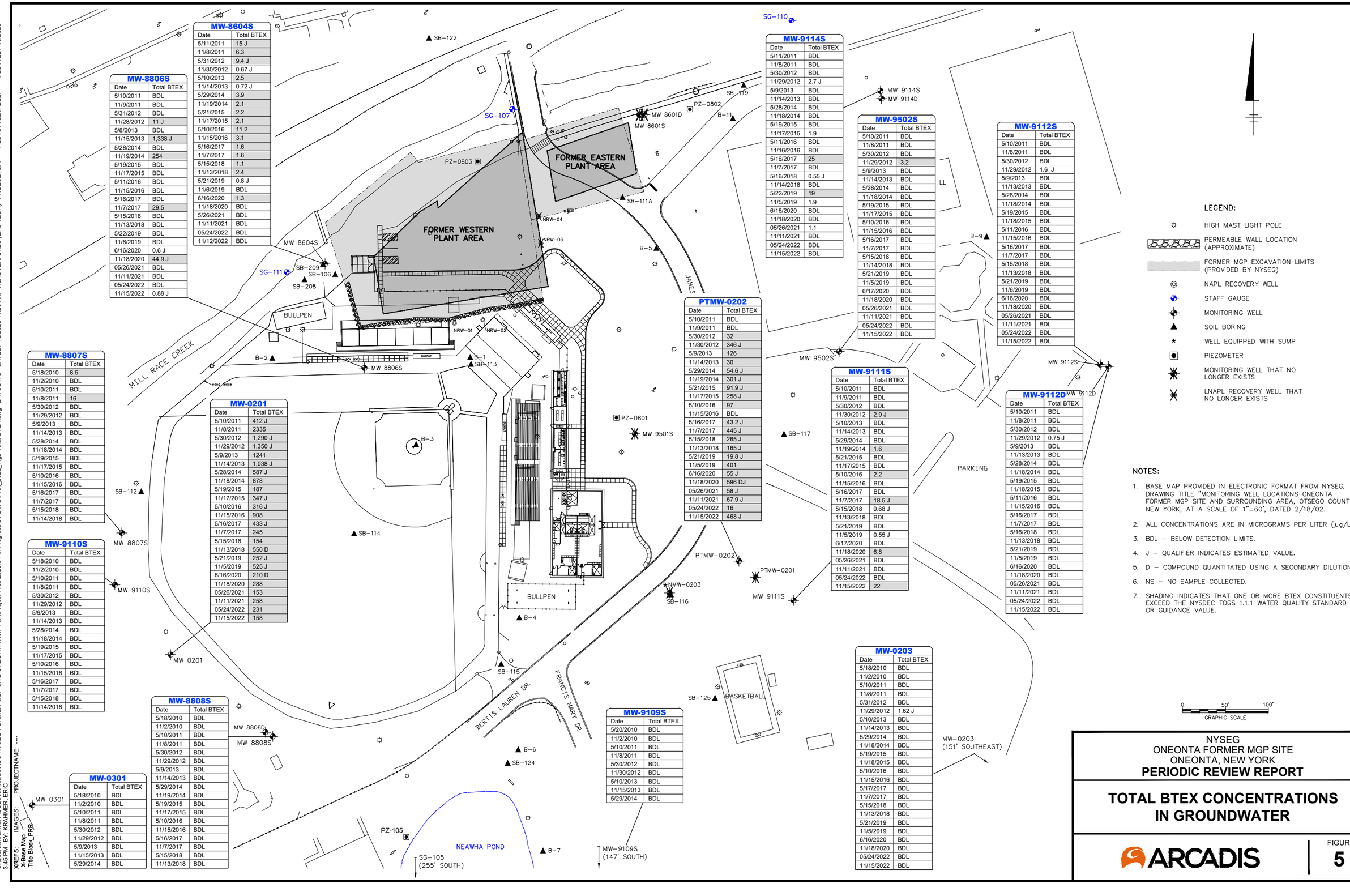
0 50' 100'
GRAPHIC SCALE

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

POTENTIOMETRIC SURFACE - NOVEMBER 14, 2022

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
05/26/2021	BDL
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	0.88 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
05/24/2022	BDL
11/12/2022	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
05/26/2021	153
11/11/2021	258
05/24/2022	231
11/15/2022	158

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
05/26/2021	58 J
11/11/2021	67.9 J
05/24/2022	16
11/15/2022	468 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
05/26/2021	1.1
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	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
05/26/2021	BDL
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	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
05/26/2021	BDL
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	22

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
11/5/2019	BDL
6/16/2020	BDL
11/18/2020	BDL
05/26/2021	BDL
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	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
05/26/2021	BDL
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	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
05/24/2022	BDL
11/15/2022	BDL

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
- WELL EQUIPPED WITH SUMP
- PIEZOMETER
- MONITORING WELL THAT NO LONGER EXISTS
- LNAPL RECOVERY WELL THAT NO LONGER EXISTS

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. BDL – BELOW DETECTION LIMITS.
4. J – QUALIFIER INDICATES ESTIMATED VALUE.
5. D – COMPOUND QUANTITATED USING A SECONDARY DILUTION.
6. NS – NO SAMPLE COLLECTED.
7. 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

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

TOTAL BTEX CONCENTRATIONS IN GROUNDWATER

ARCADIS

FIGURE 5

C:\Users\ekrahmer\ACCDocs\Arcadis\AUS-NYSEG-FORMER MGP SITE-ONEONTA New York\Project Files\2023\01-In Progress\01-DWG\PRR_2022_Fig5-Total BTEX.dwg LAYOUT: 5 SAVED: 1/3/2023 11:29 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: --- PLOTTED: 1/3/2023 3:45 PM BY: KRAHMER, ERIC
XREFS: X-Base Map Title Block_PRR IMAGES: PROJECTNAME: ---

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
05/26/2021	1.2 J
11/11/2021	2.39 J
05/24/2022	6.83 J
11/15/2022	8.27 J

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
05/26/2021	BDL
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	0.51 J

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-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-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
05/26/2021	BDL
11/11/2021	190 D
05/24/2022	4.6 J
11/15/2022	270 D

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-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
05/26/2021	BDL
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	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
05/26/2021	46.2 J
11/11/2021	79.8 J
05/24/2022	39.5 J
11/15/2022	116 J

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-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
05/26/2021	BDL
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	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
11/5/2019	BDL
6/16/2020	BDL
11/18/2020	BDL
05/26/2021	BDL
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	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
05/26/2021	BDL
11/11/2021	BDL
05/24/2022	BDL
11/15/2022	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
05/26/2021	3.4 J
11/11/2021	4.6 J
05/24/2022	3.3 J
11/15/2022	5.28

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
05/24/2022	BDL
11/15/2022	BDL

FORMER EASTERN PLANT AREA
FORMER WESTERN PLANT AREA
MILL RACE CREEK
BULLPEN
BASEBALL
BASKETBALL
PARKING
NEAWHA POND
BERTIS LAUREN DR.
FRANCIS MARY DR.
wood fence
DUGOUT
SB-122
SB-107
SB-111A
SB-111
SB-209
SB-106
SB-208
SB-112
SB-114
SB-115
SB-116
SB-117
SB-118
SB-124
SB-125
B-1
B-2
B-3
B-4
B-5
B-6
B-7
SB-113
NRW-01
NRW-02
NRW-03
NRW-04
PZ-0803
PZ-0801
PZ-105
SG-110
SG-107
SG-111
SG-105 (255' SOUTH)
MW-9109S (147' SOUTH)
MW-0203 (151' SOUTHEAST)
MW 8601D
MW 8601S
MW 8604S
MW 8806S
MW 8807S
MW 8808D
MW 8808S
MW 9110S
MW 0201
MW 0301
MW 9501S
MW 9502S
MW 9114S
MW 9114D
MW 9113
MW 9112S
9112D
PTMW-0202
PTMW-0201
NMW-0203
MW 9111S

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
- WELL EQUIPPED WITH SUMP
- PIEZOMETER
- MONITORING WELL THAT NO LONGER EXISTS
- NAPL RECOVERY WELL THAT NO LONGER EXISTS

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. NS – NO SAMPLE COLLECTED.
7. SHADING INDICATES THAT ONE OR MORE PAH CONSTITUENTS EXCEED THE NYSDEC TOGS 1.1.1 WATER QUALITY STANDARD OR GUIDANCE VALUE.

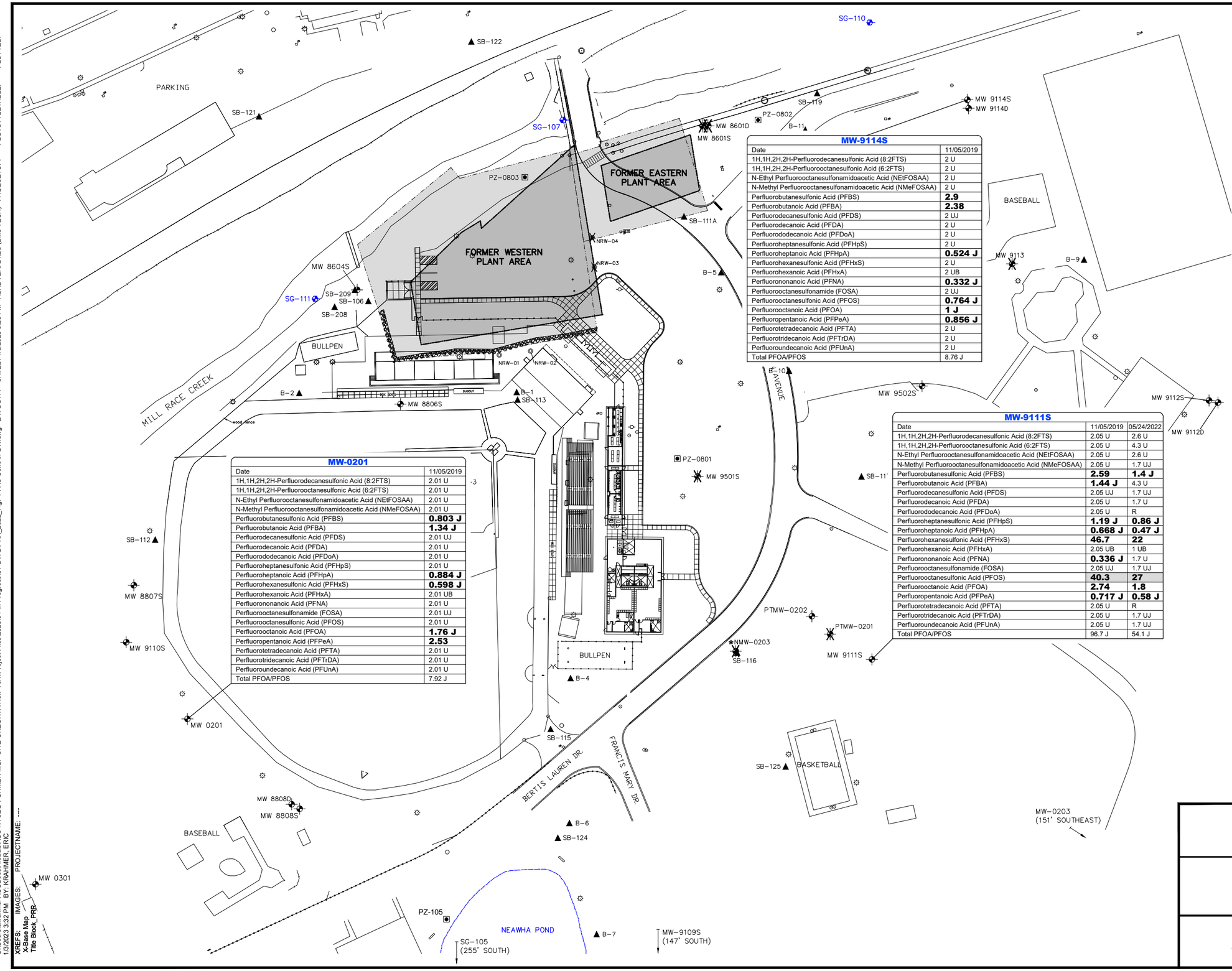
0 50' 100'
GRAPHIC SCALE

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

TOTAL PAH CONCENTRATIONS IN GROUNDWATER

ARCADIS

FIGURE
6



MW-0201

Date	11/05/2019
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	2.01 U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.01 U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.01 U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2.01 U
Perfluorobutanesulfonic Acid (PFBS)	**0.803 J**
Perfluorobutanoic Acid (PFBA)	**1.34 J**
Perfluorodecanesulfonic Acid (PFDS)	2.01 UJ
Perfluorodecanoic Acid (PFDA)	2.01 U
Perfluorododecanoic Acid (PFDoA)	2.01 U
Perfluoroheptanesulfonic Acid (PFHpS)	2.01 U
Perfluoroheptanoic Acid (PFHpA)	**0.884 J**
Perfluorohexanesulfonic Acid (PFHxS)	**0.598 J**
Perfluorohexanoic Acid (PFHxA)	2.01 UB
Perfluorononanoic Acid (PFNA)	2.01 U
Perfluorooctanesulfonamide (FOSA)	2.01 UJ
Perfluorooctanesulfonic Acid (PFOS)	2.01 U
Perfluorooctanoic Acid (PFOA)	**1.76 J**
Perfluoropentanoic Acid (PFPeA)	**2.53**
Perfluorotetradecanoic Acid (PFTA)	2.01 U
Perfluorotridecanoic Acid (PFTrDA)	2.01 U
Perfluoroundecanoic Acid (PFUnA)	2.01 U
Total PFOA/PFOS	7.92 J

MW-9114S

Date	11/05/2019
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	2 U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2 U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2 U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2 U
Perfluorobutanesulfonic Acid (PFBS)	**2.9**
Perfluorobutanoic Acid (PFBA)	**2.38**
Perfluorodecanesulfonic Acid (PFDS)	2 UJ
Perfluorodecanoic Acid (PFDA)	2 U
Perfluorododecanoic Acid (PFDoA)	2 U
Perfluoroheptanesulfonic Acid (PFHpS)	2 U
Perfluoroheptanoic Acid (PFHpA)	**0.524 J**
Perfluorohexanesulfonic Acid (PFHxS)	2 U
Perfluorohexanoic Acid (PFHxA)	2 UB
Perfluorononanoic Acid (PFNA)	**0.332 J**
Perfluorooctanesulfonamide (FOSA)	2 UJ
Perfluorooctanesulfonic Acid (PFOS)	**0.764 J**
Perfluorooctanoic Acid (PFOA)	**1 J**
Perfluoropentanoic Acid (PFPeA)	**0.856 J**
Perfluorotetradecanoic Acid (PFTA)	2 U
Perfluorotridecanoic Acid (PFTrDA)	2 U
Perfluoroundecanoic Acid (PFUnA)	2 U
Total PFOA/PFOS	8.76 J

MW-9111S

Date	11/05/2019	05/24/2022
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	2.05 U	2.6 U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.05 U	4.3 U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.05 U	2.6 U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2.05 U	1.7 UJ
Perfluorobutanesulfonic Acid (PFBS)	**2.59**	**1.4 J**
Perfluorobutanoic Acid (PFBA)	**1.44 J**	4.3 U
Perfluorodecanesulfonic Acid (PFDS)	2.05 UJ	1.7 UJ
Perfluorodecanoic Acid (PFDA)	2.05 U	1.7 U
Perfluorododecanoic Acid (PFDoA)	2.05 U	R
Perfluoroheptanesulfonic Acid (PFHpS)	**1.19 J**	**0.86 J**
Perfluoroheptanoic Acid (PFHpA)	**0.668 J**	**0.47 J**
Perfluorohexanesulfonic Acid (PFHxS)	**46.7**	**22**
Perfluorohexanoic Acid (PFHxA)	2.05 UB	1 UB
Perfluorononanoic Acid (PFNA)	**0.336 J**	1.7 U
Perfluorooctanesulfonamide (FOSA)	2.05 UJ	1.7 UJ
Perfluorooctanesulfonic Acid (PFOS)	**40.3**	**27**
Perfluorooctanoic Acid (PFOA)	**2.74**	**1.8**
Perfluoropentanoic Acid (PFPeA)	**0.717 J**	**0.58 J**
Perfluorotetradecanoic Acid (PFTA)	2.05 U	R
Perfluorotridecanoic Acid (PFTrDA)	2.05 U	1.7 UJ
Perfluoroundecanoic Acid (PFUnA)	2.05 U	1.7 UJ
Total PFOA/PFOS	96.7 J	54.1 J

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
- WELL EQUIPPED WITH SUMP
- PIEZOMETER
- MONITORING WELL THAT NO LONGER EXISTS
- LNAPL RECOVERY WELL THAT NO LONGER EXISTS

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 NANOGRAMS PER LITER (ng/L).
3. BOLD VALUES EXCEED THE METHOD DETECTION LIMIT.
4. SHADED RESULTS EXCEED THE APPLICABLE SCREENING VALUES.
5. B – THE ANALYTE WAS DETECTED ABOVE THE REPORTING LIMIT IN THE ASSOCIATED METHOD BLANK.
6. J – INDICATES AN ESTIMATED VALUE.
7. PFAS – PER– AND POLYFLUOROALKYL SUBSTANCES.
8. R – THE DATA WAS REJECTED. REFER TO DATA USABILITY SUMMARY REPORT.
9. U – THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. THE ASSOCIATED VALUE IS THE COMPOUND QUANTITATION LIMIT.

0 50' 100'
GRAPHIC SCALE

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

PFAS CONCENTRATIONS IN GROUNDWATER

ARCADIS

FIGURE 7

C:\Users\ekrahmer\ACCDocs\Arcadis\AUS-NYSEG-FORMER MGP SITE-ONEONTA New York\Project Files\2023\01-In Progress\01-DWG\PRR_2022_Fig7-PFAS Conc in GW.dwg LAYOUT: 7 SAVED: 1/3/2023 3:26 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 1/3/2023 3:32 PM BY: KRAHMER, ERIC

XREFS: IMAGES: PROJECTNAME: ----
X-Base Map
Title Block_PRR

Appendix A

Absorbent Socks Photographic Log

PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 1

Description:
Bottom 18-inches of canister coated in DNAPL. Outside of sorbent sock is fully coated in DNAPL.

Location:
AW-12

Photograph taken by:
KCF

Date: 5/24/2022

Photograph: 2

Description:
Picture showing inside of sock installed at bottom of well fully saturated with DNAPL.

Location:
AW-12

Photograph taken by:
KCF

Date: 5/24/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 3

Description:
Bottom 6-inches of canister coated in DNAPL. Outside of sorbent sock at bottom end is partially coated in DNAPL.

Location:
AW-12

Photograph taken by:
KCF

Date: 11/14/2022

Photograph: 4

Description:
Picture showing inside of sock installed at bottom of well 4-inches saturated with DNAPL.

Location:
AW-12

Photograph taken by:
KCF

Date: 11/14/2022

Appendix B

Laboratory Data Packages

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-198411-1
Client Project/Site: NYSEG - Oneonta Former MGP
Sampling Event: NYSEG - Oneonta Former MGP

For:
New York State Electric & Gas
18 Link Drive
Binghamton, New York 13902

Attn: Mr. John J Ruspantini

Authorized for release by:
6/17/2022 3:52:20 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@et.eurofinsus.com

Table of Contents

Definitions/Glossary

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

Job ID: 480-198411-1

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.
S1-	Surrogate recovery exceeds control limits, low biased.

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
I	Value is EMPC (estimated maximum possible concentration).
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: 480-198411-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-198411-1

Comments
No additional comments.

Receipt
The samples were received on 5/27/2022 10:00 AM. 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 2.4º C, 2.9º C and 3.1º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-0201 (480-198411-1). 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 samples were diluted due to the abundance of non-target analytes: PTMW-0202 (480-198411-10), PTMW-0202 (480-198411-10[MS]) and PTMW-0202 (480-198411-10[MSD]). Elevated reporting limits (RLs) are provided.

Method 8270D: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-0201 (480-198411-1), MW-9111S (480-198411-5), MW-9112D (480-198411-6), MW-9112S (480-198411-7), MW-9114S (480-198411-8), MW-9502S (480-198411-9), PTMW-0202 (480-198411-10), PTMW-0202 (480-198411-10[MS]) and PTMW-0202 (480-198411-10[MSD]). These results have been reported and qualified.

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

LCMS
Method 537 (modified): The recovery for the labeled isotope(s) is outside the QC acceptance limits in the background, matrix spike and matrix spike duplicate samples: MW-9111S (480-198411-5), MW-9111S (480-198411-5[MS]) and MW-9111S (480-198411-5[MSD]), indicating a matrix effect.

Method 537 (modified): The recovery for the labeled isotope(s) in the following sample: DUP-PFAS-052522 (480-198411-15) is outside the QC acceptance limits. The following action was taken: This sample was re-extracted outside of the required holding time and the recovery for labeled isotope(s) was within QC acceptance limits.

Target analyte Perfluorooctanesulfonic acid were detected in the method blank associated with the following sample: DUP-PFAS-052522 (480-198411-15). The following action was taken: This sample(s) was re-extracted outside the required holding time and target analyte(s) were not detected in the re-extracted method blank. Both sets of data are reported.

Method 537 (modified): Target analytes Perfluoroheptanoic acid and Perfluorooctanesulfonic acid were detected in the following field blank sample: FB-02-052522 (480-198411-16). The following action was taken: This sample was re-extracted outside the required holding time and the recovery target analytes were not detected in the re-extracted field blank sample. Both sets of data are reported.

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

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

Detection Summary

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

Job ID: 480-198411-1

Client Sample ID: MW-0201 — Lab Sample ID: 480-198411-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	98		2.0	0.82	ug/L	2		8260C	Total/NA
Ethylbenzene	69		2.0	1.5	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	13		4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	48		2.0	1.5	ug/L	2		8260C	Total/NA
Toluene	2.9		2.0	1.0	ug/L	2		8260C	Total/NA
Xylenes, Total	61		4.0	1.3	ug/L	2		8260C	Total/NA
Naphthalene	4.6	J	5.0	0.76	ug/L	1		8270D	Total/NA

Client Sample ID: MW-0203 — Lab Sample ID: 480-198411-2

No Detections.

Client Sample ID: MW-8604S — Lab Sample ID: 480-198411-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	5.2		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.43	J	5.0	0.38	ug/L	1		8270D	Total/NA
Fluorene	1.2	J	5.0	0.36	ug/L	1		8270D	Total/NA

Client Sample ID: MW-8806S — Lab Sample ID: 480-198411-4

No Detections.

Client Sample ID: MW-9111S — Lab Sample ID: 480-198411-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	3.3	J	5.0	0.41	ug/L	1		8270D	Total/NA
Perfluorobutanesulfonic acid	1.4	J	1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluoroheptanesulfonic acid	0.86	J	1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	0.47	J	1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	22		1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	1.0	J	1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	27		1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	1.8		1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	0.58	J	1.7	0.43	ng/L	1		537 IDA	Total/NA

Client Sample ID: MW-9112D — Lab Sample ID: 480-198411-6

No Detections.

Client Sample ID: MW-9112S — Lab Sample ID: 480-198411-7

No Detections.

Client Sample ID: MW-9114S — Lab Sample ID: 480-198411-8

No Detections.

Client Sample ID: MW-9502S — Lab Sample ID: 480-198411-9

No Detections.

Client Sample ID: PTMW-0202 — Lab Sample ID: 480-198411-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	16		1.0	0.41	ug/L	1		8260C	Total/NA
Acenaphthene	34		26	2.1	ug/L	5		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: PTMW-0202 (Continued) — Lab Sample ID: 480-198411-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	5.5	J	26	1.9	ug/L	5		8270D	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-198411-11

No Detections.

Client Sample ID: DUP-052522 — Lab Sample ID: 480-198411-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	14		1.0	0.41	ug/L	1		8260C	Total/NA
Acenaphthene	30		5.0	0.41	ug/L	1		8270D	Total/NA
Anthracene	0.43	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	0.52	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	5.3		5.0	0.36	ug/L	1		8270D	Total/NA
Pyrene	0.52	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: FB-01-052522 — Lab Sample ID: 480-198411-13

No Detections.

Client Sample ID: EB-01-052522 — Lab Sample ID: 480-198411-14

No Detections.

Client Sample ID: DUP-PFAS-052522 — Lab Sample ID: 480-198411-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid	1.7		1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluoroheptanesulfonic acid	0.79	J	1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	22		1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	1.1	J	1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	28	B	1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	2.0		1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	0.83	J	1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluorobutanesulfonic acid - RE	1.6	J H	1.8	0.44	ng/L	1		537 IDA	Total/NA
Perfluoroheptanesulfonic acid - RE	0.81	J H	1.8	0.44	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid - RE	0.47	J H	1.8	0.44	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid - RE	22	H	1.8	0.44	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid - RE	1.2	J H	1.8	0.44	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid - RE	24	H	1.8	0.44	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid - RE	1.9	H	1.8	0.44	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid - RE	0.52	J H	1.8	0.44	ng/L	1		537 IDA	Total/NA
Perfluorotetradecanoic acid - RE	3.6	H	1.8	0.44	ng/L	1		537 IDA	Total/NA

Client Sample ID: FB-02-052522 — Lab Sample ID: 480-198411-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	0.54	J I	1.7	0.43	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	1.2	J B	1.7	0.43	ng/L	1		537 IDA	Total/NA

Client Sample ID: EB-02-052522 — Lab Sample ID: 480-198411-17

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-0201

Date Collected: 05/24/22 14:45
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-1

Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**98**		2.0	0.82	ug/L			06/02/22 04:24	2
Ethylbenzene	**69**		2.0	1.5	ug/L			06/02/22 04:24	2
m-Xylene & p-Xylene	**13**		4.0	1.3	ug/L			06/02/22 04:24	2
o-Xylene	**48**		2.0	1.5	ug/L			06/02/22 04:24	2
Toluene	**2.9**		2.0	1.0	ug/L			06/02/22 04:24	2
Xylenes, Total	**61**		4.0	1.3	ug/L			06/02/22 04:24	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/02/22 04:24*	*2*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*06/02/22 04:24*	*2*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/02/22 04:24*	*2*
Toluene-d8 (Surr)	*109*		*80 - 120*		*06/02/22 04:24*	*2*

Method: 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		05/31/22 09:32	06/01/22 18:26	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 18:26	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 18:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 18:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 18:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 18:26	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 18:26	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 18:26	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 18:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 18:26	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 18:26	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 18:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 18:26	1
Naphthalene	**4.6**	**J**	5.0	0.76	ug/L		05/31/22 09:32	06/01/22 18:26	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 18:26	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*89*		*46 - 120*	*05/31/22 09:32*	*06/01/22 18:26*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*05/31/22 09:32*	*06/01/22 18:26*	*1*
p-Terphenyl-d14 (Surr)	*54*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 18:26*	*1*

Client Sample ID: MW-0203

Date Collected: 05/24/22 09:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-2

Matrix: WG

Method: 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			06/02/22 04:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 04:46	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 04:46	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 04:46	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 04:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 04:46	1

Client Sample ID: MW-0203

Date Collected: 05/24/22 09:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-2

Matrix: WG

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/02/22 04:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/02/22 04:46*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/02/22 04:46*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/02/22 04:46*	*1*

Method: 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		05/31/22 09:32	06/01/22 18:54	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 18:54	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 18:54	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 18:54	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 18:54	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 18:54	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 18:54	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 18:54	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 18:54	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 18:54	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 18:54	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 18:54	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 18:54	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 18:54	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 18:54	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*98*		*46 - 120*	*05/31/22 09:32*	*06/01/22 18:54*	*1*
2-Fluorobiphenyl	*110*		*48 - 120*	*05/31/22 09:32*	*06/01/22 18:54*	*1*
p-Terphenyl-d14 (Surr)	*70*		*60 - 148*	*05/31/22 09:32*	*06/01/22 18:54*	*1*

Client Sample ID: MW-8604S

Date Collected: 05/24/22 12:40
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-3

Matrix: WG

Method: 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			06/02/22 05:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 05:09	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 05:09	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 05:09	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 05:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/02/22 05:09*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/02/22 05:09*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/02/22 05:09*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/02/22 05:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**5.2**		5.0	0.41	ug/L		05/31/22 09:32	06/01/22 19:22	1

Client Sample ID: MW-8604S

Date Collected: 05/24/22 12:40
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-3
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**0.43**	**J**	5.0	0.38	ug/L		05/31/22 09:32	06/01/22 19:22	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 19:22	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 19:22	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 19:22	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 19:22	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 19:22	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 19:22	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 19:22	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 19:22	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 19:22	1
Fluorene	**1.2**	**J**	5.0	0.36	ug/L		05/31/22 09:32	06/01/22 19:22	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 19:22	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 19:22	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 19:22	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*99*		*46 - 120*	*05/31/22 09:32*	*06/01/22 19:22*	*1*
2-Fluorobiphenyl	*106*		*48 - 120*	*05/31/22 09:32*	*06/01/22 19:22*	*1*
p-Terphenyl-d14 (Surr)	*68*		*60 - 148*	*05/31/22 09:32*	*06/01/22 19:22*	*1*

Client Sample ID: MW-8806S

Date Collected: 05/24/22 10:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-4
Matrix: WG

Method: 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			06/02/22 05:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 05:31	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 05:31	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 05:31	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 05:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/02/22 05:31*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*06/02/22 05:31*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/02/22 05:31*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/02/22 05:31*	*1*

Method: 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		05/31/22 09:32	06/01/22 19:50	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 19:50	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 19:50	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 19:50	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 19:50	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 19:50	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 19:50	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 19:50	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 19:50	1

Client Sample ID: MW-8806S

Date Collected: 05/24/22 10:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-4
Matrix: WG

Method: 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		05/31/22 09:32	06/01/22 19:50	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 19:50	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 19:50	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 19:50	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 19:50	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 19:50	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*93*		*46 - 120*	*05/31/22 09:32*	*06/01/22 19:50*	*1*
2-Fluorobiphenyl	*102*		*48 - 120*	*05/31/22 09:32*	*06/01/22 19:50*	*1*
p-Terphenyl-d14 (Surr)	*61*		*60 - 148*	*05/31/22 09:32*	*06/01/22 19:50*	*1*

Client Sample ID: MW-9111S

Date Collected: 05/24/22 08:50
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-5
Matrix: WG

Method: 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			06/02/22 05:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 05:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 05:53	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 05:53	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 05:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/02/22 05:53*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/02/22 05:53*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/02/22 05:53*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/02/22 05:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**3.3**	**J**	5.0	0.41	ug/L		05/31/22 09:32	06/01/22 20:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 20:18	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 20:18	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 20:18	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 20:18	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 20:18	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 20:18	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 20:18	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 20:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 20:18	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 20:18	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 20:18	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 20:18	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 20:18	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 20:18	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 20:18	1

Client Sample ID: MW-9111S

Date Collected: 05/24/22 08:50
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-5

Matrix: WG

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*92*		*46 - 120*	*05/31/22 09:32*	*06/01/22 20:18*	*1*
2-Fluorobiphenyl	*103*		*48 - 120*	*05/31/22 09:32*	*06/01/22 20:18*	*1*
p-Terphenyl-d14 (Surr)	*55*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 20:18*	*1*

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		4.3	1.7	ng/L		06/06/22 09:16	06/08/22 19:45	1
8:2 Fluorotelomer sulfonic acid	ND		2.6	0.87	ng/L		06/06/22 09:16	06/08/22 19:45	1
NEtFOSAA	ND		2.6	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
NMeFOSAA	ND		1.7	0.52	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorobutanesulfonic acid	**1.4**	**J**	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorobutanoic acid	ND		4.3	1.7	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorodecanesulfonic acid	ND	F1	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorodecanoic acid	ND		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorododecanoic acid	ND		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluoroheptanesulfonic acid	**0.86**	**J**	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluoroheptanoic acid	**0.47**	**J**	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorohexanesulfonic acid	**22**		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorohexanoic acid	**1.0**	**J**	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorononanoic acid	ND		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorooctanesulfonamide	ND		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorooctanesulfonic acid	**27**		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorooctanoic acid	**1.8**		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluoropentanoic acid	**0.58**	**J**	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorotetradecanoic acid	ND		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorotridecanoic acid	ND	F1	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluoroundecanoic acid	ND		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	*2*	**5-*	*10 - 179*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C2-PFDoDA	*2*	**5-*	*17 - 176*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C3 PFBS	*114*		*16 - 200*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C3 PFHxS	*99*		*28 - 188*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C4 PFBA	*100*		*42 - 165*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C4 PFHpA	*101*		*31 - 182*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C5 PFHxA	*100*		*24 - 179*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C5 PFPeA	*108*		*38 - 187*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C6 PFDA	*79*		*49 - 163*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C7 PFUnA	*18*	**5-*	*34 - 174*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C8 FOSA	*15*		*10 - 168*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C8 PFOA	*94*		*48 - 162*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C8 PFOS	*90*		*51 - 159*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
13C9 PFNA	*130*		*51 - 167*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
d3-NMeFOSAA	*41*		*31 - 174*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
d5-NEtFOSAA	*23*	**5-*	*29 - 195*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
M2-6:2 FTS	*146*		*17 - 200*	*06/06/22 09:16*	*06/08/22 19:45*	*1*
M2-8:2 FTS	*87*		*33 - 200*	*06/06/22 09:16*	*06/08/22 19:45*	*1*

Client Sample ID: MW-9112D

Date Collected: 05/24/22 13:50
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-6

Matrix: WG

Method: 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			06/02/22 06:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 06:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 06:15	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 06:15	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 06:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/02/22 06:15*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*06/02/22 06:15*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/02/22 06:15*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/02/22 06:15*	*1*

Method: 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		05/31/22 09:32	06/01/22 20:46	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 20:46	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 20:46	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 20:46	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 20:46	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 20:46	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 20:46	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 20:46	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 20:46	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 20:46	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 20:46	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 20:46	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 20:46	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 20:46	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 20:46	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*93*		*46 - 120*	*05/31/22 09:32*	*06/01/22 20:46*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*05/31/22 09:32*	*06/01/22 20:46*	*1*
p-Terphenyl-d14 (Surr)	*57*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 20:46*	*1*

Client Sample ID: MW-9112S

Date Collected: 05/24/22 12:55
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-7

Matrix: WG

Method: 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			06/02/22 06:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 06:37	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 06:37	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 06:37	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 06:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 06:37	1

Client Sample ID: MW-9112S

Date Collected: 05/24/22 12:55
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-7

Matrix: WG

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/02/22 06:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*06/02/22 06:37*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/02/22 06:37*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/02/22 06:37*	*1*

Method: 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		05/31/22 09:32	06/01/22 21:13	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 21:13	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 21:13	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 21:13	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 21:13	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 21:13	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 21:13	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 21:13	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 21:13	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 21:13	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 21:13	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 21:13	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 21:13	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 21:13	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 21:13	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*51*		*46 - 120*	*05/31/22 09:32*	*06/01/22 21:13*	*1*
2-Fluorobiphenyl	*60*		*48 - 120*	*05/31/22 09:32*	*06/01/22 21:13*	*1*
p-Terphenyl-d14 (Surr)	*47*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 21:13*	*1*

Client Sample ID: MW-9114S

Date Collected: 05/24/22 15:10
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-8

Matrix: WG

Method: 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			06/02/22 06:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 06:59	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 06:59	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 06:59	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 06:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 06:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/02/22 06:59*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/02/22 06:59*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/02/22 06:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/02/22 06:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		05/31/22 09:32	06/01/22 21:41	1

Client Sample ID: MW-9114S

Date Collected: 05/24/22 15:10
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-8
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.4	0.41	ug/L		05/31/22 09:32	06/01/22 21:41	1
Anthracene	ND		5.4	0.30	ug/L		05/31/22 09:32	06/01/22 21:41	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		05/31/22 09:32	06/01/22 21:41	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		05/31/22 09:32	06/01/22 21:41	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		05/31/22 09:32	06/01/22 21:41	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		05/31/22 09:32	06/01/22 21:41	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		05/31/22 09:32	06/01/22 21:41	1
Chrysene	ND		5.4	0.36	ug/L		05/31/22 09:32	06/01/22 21:41	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		05/31/22 09:32	06/01/22 21:41	1
Fluoranthene	ND		5.4	0.43	ug/L		05/31/22 09:32	06/01/22 21:41	1
Fluorene	ND		5.4	0.39	ug/L		05/31/22 09:32	06/01/22 21:41	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		05/31/22 09:32	06/01/22 21:41	1
Naphthalene	ND		5.4	0.83	ug/L		05/31/22 09:32	06/01/22 21:41	1
Phenanthrene	ND		5.4	0.48	ug/L		05/31/22 09:32	06/01/22 21:41	1
Pyrene	ND		5.4	0.37	ug/L		05/31/22 09:32	06/01/22 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*86*		*46 - 120*	*05/31/22 09:32*	*06/01/22 21:41*	*1*
2-Fluorobiphenyl	*91*		*48 - 120*	*05/31/22 09:32*	*06/01/22 21:41*	*1*
p-Terphenyl-d14 (Surr)	*55*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 21:41*	*1*

Client Sample ID: MW-9502S

Date Collected: 05/24/22 10:25
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-9
Matrix: WG

Method: 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			06/02/22 07:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 07:21	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 07:21	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 07:21	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 07:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/02/22 07:21*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/02/22 07:21*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/02/22 07:21*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/02/22 07:21*	*1*

Method: 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		05/31/22 09:32	06/01/22 22:09	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 22:09	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 22:09	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 22:09	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 22:09	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 22:09	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 22:09	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 22:09	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 22:09	1

Client Sample ID: MW-9502S

Lab Sample ID: 480-198411-9

Date Collected: 05/24/22 10:25

Matrix: WG

Date Received: 05/27/22 10:00

Method: 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		05/31/22 09:32	06/01/22 22:09	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 22:09	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 22:09	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 22:09	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 22:09	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 22:09	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*90*		*46 - 120*	*05/31/22 09:32*	*06/01/22 22:09*	*1*
2-Fluorobiphenyl	*97*		*48 - 120*	*05/31/22 09:32*	*06/01/22 22:09*	*1*
p-Terphenyl-d14 (Surr)	*51*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 22:09*	*1*

Client Sample ID: PTMW-0202

Lab Sample ID: 480-198411-10

Date Collected: 05/24/22 08:15

Matrix: WG

Date Received: 05/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**16**		1.0	0.41	ug/L			06/03/22 05:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/03/22 05:47	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/03/22 05:47	1
o-Xylene	ND		1.0	0.76	ug/L			06/03/22 05:47	1
Toluene	ND		1.0	0.51	ug/L			06/03/22 05:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/03/22 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*06/03/22 05:47*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/03/22 05:47*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 123*		*06/03/22 05:47*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*06/03/22 05:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**34**		26	2.1	ug/L		05/31/22 09:32	06/01/22 17:58	5
Acenaphthylene	ND		26	2.0	ug/L		05/31/22 09:32	06/01/22 17:58	5
Anthracene	ND		26	1.5	ug/L		05/31/22 09:32	06/01/22 17:58	5
Benzo[a]anthracene	ND		26	1.9	ug/L		05/31/22 09:32	06/01/22 17:58	5
Benzo[a]pyrene	ND		26	2.4	ug/L		05/31/22 09:32	06/01/22 17:58	5
Benzo[b]fluoranthene	ND		26	1.8	ug/L		05/31/22 09:32	06/01/22 17:58	5
Benzo[g,h,i]perylene	ND		26	1.8	ug/L		05/31/22 09:32	06/01/22 17:58	5
Benzo[k]fluoranthene	ND		26	3.8	ug/L		05/31/22 09:32	06/01/22 17:58	5
Chrysene	ND		26	1.7	ug/L		05/31/22 09:32	06/01/22 17:58	5
Dibenz(a,h)anthracene	ND	F2	26	2.2	ug/L		05/31/22 09:32	06/01/22 17:58	5
Fluoranthene	ND		26	2.1	ug/L		05/31/22 09:32	06/01/22 17:58	5
Fluorene	**5.5**	**J**	26	1.9	ug/L		05/31/22 09:32	06/01/22 17:58	5
Indeno[1,2,3-cd]pyrene	ND		26	2.4	ug/L		05/31/22 09:32	06/01/22 17:58	5
Naphthalene	ND		26	4.0	ug/L		05/31/22 09:32	06/01/22 17:58	5
Phenanthrene	ND		26	2.3	ug/L		05/31/22 09:32	06/01/22 17:58	5
Pyrene	ND		26	1.8	ug/L		05/31/22 09:32	06/01/22 17:58	5

Client Sample ID: PTMW-0202

Lab Sample ID: 480-198411-10
Matrix: WG
Date Collected: 05/24/22 08:15
Date Received: 05/27/22 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*05/31/22 09:32*	*06/01/22 17:58*	*5*
2-Fluorobiphenyl	*93*		*48 - 120*	*05/31/22 09:32*	*06/01/22 17:58*	*5*
p-Terphenyl-d14 (Surr)	*59*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 17:58*	*5*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-198411-11
Matrix: WQ
Date Collected: 05/24/22 00:00
Date Received: 05/27/22 10:00

Method: 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			06/02/22 07:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 07:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 07:43	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 07:43	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 07:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 07:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/02/22 07:43*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/02/22 07:43*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*06/02/22 07:43*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/02/22 07:43*	*1*

Client Sample ID: DUP-052522

Lab Sample ID: 480-198411-12
Matrix: Water
Date Collected: 05/24/22 00:00
Date Received: 05/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**14**		1.0	0.41	ug/L			06/02/22 08:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 08:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 08:06	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 08:06	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 08:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/02/22 08:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*06/02/22 08:06*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/02/22 08:06*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/02/22 08:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**30**		5.0	0.41	ug/L		05/31/22 09:32	06/01/22 22:36	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 22:36	1
Anthracene	**0.43**	**J**	5.0	0.28	ug/L		05/31/22 09:32	06/01/22 22:36	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 22:36	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 22:36	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 22:36	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 22:36	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 22:36	1

Client Sample ID: DUP-052522

Lab Sample ID: 480-198411-12

Date Collected: 05/24/22 00:00

Matrix: Water

Date Received: 05/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 22:36	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 22:36	1
Fluoranthene	**0.52**	**J**	5.0	0.40	ug/L		05/31/22 09:32	06/01/22 22:36	1
Fluorene	**5.3**		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 22:36	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 22:36	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 22:36	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 22:36	1
Pyrene	**0.52**	**J**	5.0	0.34	ug/L		05/31/22 09:32	06/01/22 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*72*		*46 - 120*	*05/31/22 09:32*	*06/01/22 22:36*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*05/31/22 09:32*	*06/01/22 22:36*	*1*
p-Terphenyl-d14 (Surr)	*63*		*60 - 148*	*05/31/22 09:32*	*06/01/22 22:36*	*1*

Client Sample ID: FB-01-052522

Lab Sample ID: 480-198411-13

Date Collected: 05/25/22 09:45

Matrix: Water

Date Received: 05/27/22 10:00

Method: 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			06/03/22 18:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/03/22 18:20	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/03/22 18:20	1
o-Xylene	ND		1.0	0.76	ug/L			06/03/22 18:20	1
Toluene	ND		1.0	0.51	ug/L			06/03/22 18:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/03/22 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/03/22 18:20*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*06/03/22 18:20*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/03/22 18:20*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/03/22 18:20*	*1*

Method: 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		05/31/22 09:32	06/01/22 23:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 23:05	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 23:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 23:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 23:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 23:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 23:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 23:05	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 23:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 23:05	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 23:05	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 23:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 23:05	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 23:05	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 23:05	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 23:05	1

Client Sample ID: FB-01-052522

Lab Sample ID: 480-198411-13

Date Collected: 05/25/22 09:45

Matrix: Water

Date Received: 05/27/22 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*92*		*46 - 120*	*05/31/22 09:32*	*06/01/22 23:05*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*05/31/22 09:32*	*06/01/22 23:05*	*1*
p-Terphenyl-d14 (Surr)	*64*		*60 - 148*	*05/31/22 09:32*	*06/01/22 23:05*	*1*

Client Sample ID: EB-01-052522

Lab Sample ID: 480-198411-14

Date Collected: 05/25/22 10:10

Matrix: Water

Date Received: 05/27/22 10:00

Method: 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			06/03/22 18:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/03/22 18:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/03/22 18:43	1
o-Xylene	ND		1.0	0.76	ug/L			06/03/22 18:43	1
Toluene	ND		1.0	0.51	ug/L			06/03/22 18:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/03/22 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/03/22 18:43*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/03/22 18:43*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*06/03/22 18:43*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/03/22 18:43*	*1*

Method: 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		05/31/22 09:32	06/01/22 23:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 23:33	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 23:33	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 23:33	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 23:33	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 23:33	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 23:33	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 23:33	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 23:33	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 23:33	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 23:33	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 23:33	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 23:33	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 23:33	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 23:33	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*88*		*46 - 120*	*05/31/22 09:32*	*06/01/22 23:33*	*1*
2-Fluorobiphenyl	*95*		*48 - 120*	*05/31/22 09:32*	*06/01/22 23:33*	*1*
p-Terphenyl-d14 (Surr)	*70*		*60 - 148*	*05/31/22 09:32*	*06/01/22 23:33*	*1*

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

Job ID: 480-198411-1

Client Sample ID: DUP-PFAS-052522

Date Collected: 05/25/22 00:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-15

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		4.3	1.7	ng/L		06/06/22 07:37	06/09/22 00:23	1
8:2 Fluorotelomer sulfonic acid	ND		2.6	0.86	ng/L		06/06/22 07:37	06/09/22 00:23	1
NEtFOSAA	ND		2.6	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
NMeFOSAA	ND		1.7	0.52	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorobutanesulfonic acid	**1.7**		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorobutanoic acid	ND		4.3	1.7	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorodecanesulfonic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorodecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorododecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluoroheptanesulfonic acid	**0.79**	**J**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluoroheptanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorohexanesulfonic acid	**22**		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorohexanoic acid	**1.1**	**J**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorononanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorooctanesulfonamide	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorooctanesulfonic acid	**28**	**B**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorooctanoic acid	**2.0**		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluoropentanoic acid	**0.83**	**J**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorotetradecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorotridecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluoroundecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*0.2*	**5-*	*10 - 179*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C2-PFDoDA	*1*	**5-*	*17 - 176*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C3 PFBS	*104*		*16 - 200*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C3 PFHxS	*87*		*28 - 188*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C4 PFBA	*86*		*42 - 165*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C4 PFHpA	*87*		*31 - 182*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C5 PFHxA	*88*		*24 - 179*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C5 PFPeA	*93*		*38 - 187*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C6 PFDA	*65*		*49 - 163*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C7 PFUnA	*13*	**5-*	*34 - 174*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C8 FOSA	*10*		*10 - 168*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C8 PFOA	*81*		*48 - 162*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C8 PFOS	*74*		*51 - 159*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C9 PFNA	*117*		*51 - 167*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
d3-NMeFOSAA	*35*		*31 - 174*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
d5-NEtFOSAA	*14*	**5-*	*29 - 195*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
M2-6:2 FTS	*109*		*17 - 200*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
M2-8:2 FTS	*66*		*33 - 200*	*06/06/22 07:37*	*06/09/22 00:23*	*1*

Method: 537 IDA - EPA 537 Isotope Dilution - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND	H	4.4	1.8	ng/L		06/14/22 07:27	06/17/22 04:16	1
8:2 Fluorotelomer sulfonic acid	ND	H	2.7	0.88	ng/L		06/14/22 07:27	06/17/22 04:16	1
NEtFOSAA	ND	H	2.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
NMeFOSAA	ND	H	1.8	0.53	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorobutanesulfonic acid	**1.6**	**J H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorobutanoic acid	ND	H	4.4	1.8	ng/L		06/14/22 07:27	06/17/22 04:16	1

Client Sample ID: DUP-PFAS-052522

Lab Sample ID: 480-198411-15

Date Collected: 05/25/22 00:00

Matrix: Water

Date Received: 05/27/22 10:00

Method: 537 IDA - EPA 537 Isotope Dilution - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorodecanoic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorododecanoic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluoroheptanesulfonic acid	**0.81**	**J H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluoroheptanoic acid	**0.47**	**J H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorohexanesulfonic acid	**22**	**H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorohexanoic acid	**1.2**	**J H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorononanoic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorooctanesulfonamide	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorooctanesulfonic acid	**24**	**H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorooctanoic acid	**1.9**	**H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluoropentanoic acid	**0.52**	**J H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorotetradecanoic acid	**3.6**	**H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorotridecanoic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluoroundecanoic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*8*	*5-	*10 - 179*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C2-PFDoDA	*44*		*17 - 176*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C3 PFBS	*113*		*16 - 200*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C3 PFHxS	*95*		*28 - 188*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C4 PFBA	*87*		*42 - 165*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C4 PFHpA	*92*		*31 - 182*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C5 PFHxA	*92*		*24 - 179*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C5 PFPeA	*98*		*38 - 187*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C6 PFDA	*82*		*49 - 163*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C7 PFUnA	*68*		*34 - 174*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C8 FOSA	*22*		*10 - 168*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C8 PFOA	*91*		*48 - 162*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C8 PFOS	*91*		*51 - 159*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C9 PFNA	*92*		*51 - 167*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
d3-NMeFOSAA	*72*		*31 - 174*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
d5-NEtFOSAA	*66*		*29 - 195*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
M2-6:2 FTS	*148*		*17 - 200*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
M2-8:2 FTS	*97*		*33 - 200*	*06/14/22 07:27*	*06/17/22 04:16*	*1*

Client Sample ID: FB-02-052522

Lab Sample ID: 480-198411-16

Date Collected: 05/25/22 10:20

Matrix: Water

Date Received: 05/27/22 10:00

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		4.3	1.7	ng/L		06/06/22 07:37	06/09/22 00:34	1
8:2 Fluorotelomer sulfonic acid	ND		2.6	0.87	ng/L		06/06/22 07:37	06/09/22 00:34	1
NEtFOSAA	ND		2.6	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
NMeFOSAA	ND		1.7	0.52	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorobutanesulfonic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorobutanoic acid	ND		4.3	1.7	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorodecanesulfonic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorodecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorododecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1

Client Sample ID: FB-02-052522
Date Collected: 05/25/22 10:20
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-16
Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluoroheptanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorohexanesulfonic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorohexanoic acid	**0.54**	**J I**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorononanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorooctanesulfonamide	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorooctanesulfonic acid	**1.2**	**J B**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorooctanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluoropentanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorotetradecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorotridecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluoroundecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*71*		*10 - 179*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C2-PFDoDA	*79*		*17 - 176*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C3 PFBS	*88*		*16 - 200*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C3 PFHxS	*83*		*28 - 188*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C4 PFBA	*85*		*42 - 165*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C4 PFHpA	*86*		*31 - 182*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C5 PFHxA	*78*		*24 - 179*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C5 PFPeA	*84*		*38 - 187*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C6 PFDA	*80*		*49 - 163*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C7 PFUnA	*82*		*34 - 174*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C8 FOSA	*65*		*10 - 168*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C8 PFOA	*80*		*48 - 162*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C8 PFOS	*89*		*51 - 159*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C9 PFNA	*93*		*51 - 167*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
d3-NMeFOSAA	*88*		*31 - 174*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
d5-NEtFOSAA	*83*		*29 - 195*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
M2-6:2 FTS	*81*		*17 - 200*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
M2-8:2 FTS	*75*		*33 - 200*	*06/06/22 07:37*	*06/09/22 00:34*	*1*

Method: 537 IDA - EPA 537 Isotope Dilution - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND	H	4.4	1.7	ng/L		06/14/22 07:27	06/17/22 04:27	1
8:2 Fluorotelomer sulfonic acid	ND	H	2.6	0.87	ng/L		06/14/22 07:27	06/17/22 04:27	1
NEtFOSAA	ND	H	2.6	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
NMeFOSAA	ND	H	1.7	0.52	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorobutanesulfonic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorobutanoic acid	ND	H	4.4	1.7	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorodecanesulfonic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorodecanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorododecanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluoroheptanesulfonic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluoroheptanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorohexanesulfonic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorohexanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorononanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorooctanesulfonamide	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1

Client Sample ID: FB-02-052522

Lab Sample ID: 480-198411-16

Date Collected: 05/25/22 10:20

Matrix: Water

Date Received: 05/27/22 10:00

Method: 537 IDA - EPA 537 Isotope Dilution - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorooctanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluoropentanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorotetradecanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorotridecanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluoroundecanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*90*		*10 - 179*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C2-PFDoDA	*102*		*17 - 176*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C3 PFBS	*100*		*16 - 200*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C3 PFHxS	*102*		*28 - 188*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C4 PFBA	*100*		*42 - 165*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C4 PFHpA	*106*		*31 - 182*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C5 PFHxA	*102*		*24 - 179*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C5 PFPeA	*99*		*38 - 187*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C6 PFDA	*105*		*49 - 163*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C7 PFUnA	*108*		*34 - 174*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C8 FOSA	*96*		*10 - 168*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C8 PFOA	*103*		*48 - 162*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C8 PFOS	*99*		*51 - 159*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C9 PFNA	*104*		*51 - 167*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
d3-NMeFOSAA	*106*		*31 - 174*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
d5-NEtFOSAA	*105*		*29 - 195*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
M2-6:2 FTS	*107*		*17 - 200*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
M2-8:2 FTS	*103*		*33 - 200*	*06/14/22 07:27*	*06/17/22 04:27*	*1*

Client Sample ID: EB-02-052522

Lab Sample ID: 480-198411-17

Date Collected: 05/25/22 10:30

Matrix: Water

Date Received: 05/27/22 10:00

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		4.6	1.9	ng/L		06/06/22 07:37	06/09/22 00:56	1
8:2 Fluorotelomer sulfonic acid	ND		2.8	0.93	ng/L		06/06/22 07:37	06/09/22 00:56	1
NEtFOSAA	ND		2.8	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
NMeFOSAA	ND		1.9	0.56	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorobutanesulfonic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorobutanoic acid	ND		4.6	1.9	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorodecanesulfonic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorodecanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorododecanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluoroheptanesulfonic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluoroheptanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorohexanesulfonic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorohexanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorononanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorooctanesulfonamide	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorooctanesulfonic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorooctanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluoropentanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1

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

Job ID: 480-198411-1

Client Sample ID: EB-02-052522
Date Collected: 05/25/22 10:30
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-17
Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorotridecanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluoroundecanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*78*		*10 - 179*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C2-PFDoDA	*87*		*17 - 176*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C3 PFBS	*93*		*16 - 200*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C3 PFHxS	*91*		*28 - 188*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C4 PFBA	*88*		*42 - 165*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C4 PFHpA	*88*		*31 - 182*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C5 PFHxA	*84*		*24 - 179*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C5 PFPeA	*88*		*38 - 187*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C6 PFDA	*86*		*49 - 163*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C7 PFUnA	*87*		*34 - 174*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C8 FOSA	*67*		*10 - 168*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C8 PFOA	*83*		*48 - 162*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C8 PFOS	*95*		*51 - 159*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C9 PFNA	*98*		*51 - 167*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
d3-NMeFOSAA	*91*		*31 - 174*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
d5-NEtFOSAA	*94*		*29 - 195*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
M2-6:2 FTS	*92*		*17 - 200*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
M2-8:2 FTS	*86*		*33 - 200*	*06/06/22 07:37*	*06/09/22 00:56*	*1*

Surrogate Summary

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

Job ID: 480-198411-1

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)
480-198411-12	DUP-052522	104	100	105	103
480-198411-13	FB-01-052522	99	107	99	94
480-198411-14	EB-01-052522	99	102	98	101
LCS 480-628347/6	Lab Control Sample	99	96	102	109
LCS 480-628588/6	Lab Control Sample	85	95	87	88
LCS 480-628658/6	Lab Control Sample	103	103	101	100
MB 480-628347/8	Method Blank	101	101	104	103
MB 480-628588/8	Method Blank	87	104	89	88
MB 480-628658/8	Method Blank	95	93	96	99

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)
480-198411-1	MW-0201	103	97	105	109
480-198411-2	MW-0203	102	102	105	104
480-198411-3	MW-8604S	103	102	105	104
480-198411-4	MW-8806S	101	100	104	104
480-198411-5	MW-9111S	102	101	106	103
480-198411-6	MW-9112D	103	100	106	103
480-198411-7	MW-9112S	102	100	105	103
480-198411-8	MW-9114S	102	101	104	101
480-198411-9	MW-9502S	103	101	106	104
480-198411-10	PTMW-0202	88	105	88	89
480-198411-10 MS	PTMW-0202	82	106	87	89
480-198411-10 MSD	PTMW-0202	82	105	85	91

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)
480-198411-11	TRIP BLANK	104	102	108	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Client: New York State Electric & Gas
Job ID: 480-198411-1
Project/Site: NYSEG - Oneonta Former MGP

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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	(46-120)	(48-120)	(60-148)
480-198411-12	DUP-052522	72	83	63
480-198411-13	FB-01-052522	92	100	64
480-198411-14	EB-01-052522	88	95	70
LCS 480-628095/2-A	Lab Control Sample	87	88	88
MB 480-628095/1-A	Method Blank	86	94	80

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	(46-120)	(48-120)	(60-148)
480-198411-1	MW-0201	89	94	54 S1-
480-198411-2	MW-0203	98	110	70
480-198411-3	MW-8604S	99	106	68
480-198411-4	MW-8806S	93	102	61
480-198411-5	MW-9111S	92	103	55 S1-
480-198411-6	MW-9112D	93	99	57 S1-
480-198411-7	MW-9112S	51	60	47 S1-
480-198411-8	MW-9114S	86	91	55 S1-
480-198411-9	MW-9502S	90	97	51 S1-
480-198411-10	PTMW-0202	79	93	59 S1-
480-198411-10 MS	PTMW-0202	101	101	53 S1-
480-198411-10 MSD	PTMW-0202	86	93	45 S1-

Surrogate Legend

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

Isotope Dilution Summary

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

Job ID: 480-198411-1

Method: 537 IDA - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-179)	PFDoDA (17-176)	C3PFBS (16-200)	C3PFHS (28-188)	PFBA (42-165)	C4PFHA (31-182)	13C5PHA (24-179)	PFPeA (38-187)
480-198411-15	DUP-PFAS-052522	0.2 *5-	1 *5-	104	87	86	87	88	93
480-198411-15 - RE	DUP-PFAS-052522	8 *5-	44	113	95	87	92	92	98
480-198411-16	FB-02-052522	71	79	88	83	85	86	78	84
480-198411-16 - RE	FB-02-052522	90	102	100	102	100	106	102	99
480-198411-17	EB-02-052522	78	87	93	91	88	88	84	88
LCS 410-262277/3-A	Lab Control Sample	82	78	93	83	86	80	81	86
LCS 410-262339/2-A	Lab Control Sample	86	90	93	94	92	94	91	92
LCS 410-265148/3-A	Lab Control Sample	82	88	88	95	89	95	95	88
MB 410-262277/1-A	Method Blank	79	83	89	87	87	87	82	83
MB 410-262339/1-A	Method Blank	81	86	89	87	88	84	86	89
MB 410-265148/1-A	Method Blank	80	84	87	94	89	93	91	89

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	C6PFDA (49-163)	13C7PUA (34-174)	PFOSA (10-168)	C8PFOA (48-162)	C8PFOS (51-159)	C9PFNA (51-167)	d3NMFOS (31-174)	d5NEFOS (29-195)
480-198411-15	DUP-PFAS-052522	65	13 *5-	10	81	74	117	35	14 *5-
480-198411-15 - RE	DUP-PFAS-052522	82	68	22	91	91	92	72	66
480-198411-16	FB-02-052522	80	82	65	80	89	93	88	83
480-198411-16 - RE	FB-02-052522	105	108	96	103	99	104	106	105
480-198411-17	EB-02-052522	86	87	67	83	95	98	91	94
LCS 410-262277/3-A	Lab Control Sample	86	85	71	80	89	93	94	86
LCS 410-262339/2-A	Lab Control Sample	93	92	85	87	103	99	100	91
LCS 410-265148/3-A	Lab Control Sample	92	93	84	95	92	93	91	87
MB 410-262277/1-A	Method Blank	84	85	71	81	89	94	93	80
MB 410-262339/1-A	Method Blank	90	87	83	83	94	96	99	93
MB 410-265148/1-A	Method Blank	90	92	83	91	89	85	90	88

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	M262FTS (17-200)	M282FTS (33-200)
480-198411-15	DUP-PFAS-052522	109	66
480-198411-15 - RE	DUP-PFAS-052522	148	97
480-198411-16	FB-02-052522	81	75
480-198411-16 - RE	FB-02-052522	107	103
480-198411-17	EB-02-052522	92	86
LCS 410-262277/3-A	Lab Control Sample	88	96
LCS 410-262339/2-A	Lab Control Sample	98	90
LCS 410-265148/3-A	Lab Control Sample	94	90
MB 410-262277/1-A	Method Blank	90	88
MB 410-262339/1-A	Method Blank	90	92
MB 410-265148/1-A	Method Blank	99	86

Surrogate Legend

PFTDA = 13C2 PFTeDA
PFDoDA = 13C2-PFDoDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
PFBA = 13C4 PFBA
C4PFHA = 13C4 PFHpA
13C5PHA = 13C5 PFHxA
PFPeA = 13C5 PFPeA

Isotope Dilution Summary

Client: New York State Electric & Gas
Job ID: 480-198411-1
Project/Site: NYSEG - Oneonta Former MGP

C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFOSA = 13C8 FOSA
C8PFOA = 13C8 PFOA
C8PFOS = 13C8 PFOS
C9PFNA = 13C9 PFNA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

Method: 537 IDA - EPA 537 Isotope Dilution

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	PFDoDA	C3PFBS	C3PFHS	PFBA	C4PFHA	13C5PHA	PFPeA
Lab Sample ID	Client Sample ID	(10-179)	(17-176)	(16-200)	(28-188)	(42-165)	(31-182)	(24-179)	(38-187)
480-198411-5	MW-9111S	2 *5-	2 *5-	114	99	100	101	100	108
480-198411-5 MS	MW-9111S	1 *5-	12 *5-	113	94	90	92	90	99
480-198411-5 MSD	MW-9111S	1 *5-	11 *5-	106	91	89	91	83	94

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		C6PFDA	13C7PUA	PFOSA	C8PFOA	C8PFOS	C9PFNA	d3NMFOS	d5NEFOS
Lab Sample ID	Client Sample ID	(49-163)	(34-174)	(10-168)	(48-162)	(51-159)	(51-167)	(31-174)	(29-195)
480-198411-5	MW-9111S	79	18 *5-	15	94	90	130	41	23 *5-
480-198411-5 MS	MW-9111S	80	43	18	89	84	99	62	52
480-198411-5 MSD	MW-9111S	74	42	18	81	83	94	63	48

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS						
Lab Sample ID	Client Sample ID	(17-200)	(33-200)						
480-198411-5	MW-9111S	146	87						
480-198411-5 MS	MW-9111S	130	98						
480-198411-5 MSD	MW-9111S	129	92						

Surrogate Legend

PFTDA = 13C2 PFTeDA
PFDoDA = 13C2-PFDoDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
PFBA = 13C4 PFBA
C4PFHA = 13C4 PFHpA
13C5PHA = 13C5 PFHxA
PFPeA = 13C5 PFPeA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFOSA = 13C8 FOSA
C8PFOA = 13C8 PFOA
C8PFOS = 13C8 PFOS
C9PFNA = 13C9 PFNA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

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

Lab Sample ID: MB 480-628347/8
Matrix: Water
Analysis Batch: 628347

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			06/01/22 23:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/22 23:36	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/01/22 23:36	1
o-Xylene	ND		1.0	0.76	ug/L			06/01/22 23:36	1
Toluene	ND		1.0	0.51	ug/L			06/01/22 23:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/01/22 23:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/01/22 23:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/01/22 23:36*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/01/22 23:36*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/01/22 23:36*	*1*

Lab Sample ID: LCS 480-628347/6
Matrix: Water
Analysis Batch: 628347

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	23.3		ug/L		93	71 - 124
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
m-Xylene & p-Xylene	25.0	23.0		ug/L		92	76 - 122
o-Xylene	25.0	23.2		ug/L		93	76 - 122
Toluene	25.0	24.4		ug/L		97	80 - 122
Xylenes, Total	50.0	46.2		ug/L		92	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: MB 480-628588/8
Matrix: Water
Analysis Batch: 628588

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			06/03/22 01:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/03/22 01:55	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/03/22 01:55	1
o-Xylene	ND		1.0	0.76	ug/L			06/03/22 01:55	1
Toluene	ND		1.0	0.51	ug/L			06/03/22 01:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/03/22 01:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*06/03/22 01:55*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*06/03/22 01:55*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*06/03/22 01:55*	*1*

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

Lab Sample ID: MB 480-628588/8
Matrix: Water
Analysis Batch: 628588

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		80 - 120		06/03/22 01:55	1

Lab Sample ID: LCS 480-628588/6
Matrix: Water
Analysis Batch: 628588

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	22.3		ug/L		89	71 - 124
Ethylbenzene	25.0	21.7		ug/L		87	77 - 123
m-Xylene & p-Xylene	25.0	22.1		ug/L		88	76 - 122
o-Xylene	25.0	22.8		ug/L		91	76 - 122
Toluene	25.0	21.8		ug/L		87	80 - 122
Xylenes, Total	50.0	44.9		ug/L		90	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	87		75 - 123
Toluene-d8 (Surr)	88		80 - 120

Lab Sample ID: 480-198411-10 MS
Matrix: WG
Analysis Batch: 628588

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	16		25.0	40.2		ug/L		96	71 - 124
Ethylbenzene	ND		25.0	23.4		ug/L		93	77 - 123
m-Xylene & p-Xylene	ND		25.0	25.5		ug/L		102	76 - 122
o-Xylene	ND		25.0	24.4		ug/L		97	76 - 122
Toluene	ND		25.0	23.2		ug/L		93	80 - 122
Xylenes, Total	ND		50.0	49.9		ug/L		100	76 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	87		75 - 123
Toluene-d8 (Surr)	89		80 - 120

Lab Sample ID: 480-198411-10 MSD
Matrix: WG
Analysis Batch: 628588

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	16		25.0	37.7		ug/L		86	71 - 124	6	13
Ethylbenzene	ND		25.0	24.9		ug/L		100	77 - 123	6	15
m-Xylene & p-Xylene	ND		25.0	25.9		ug/L		104	76 - 122	2	16
o-Xylene	ND		25.0	25.2		ug/L		101	76 - 122	3	16
Toluene	ND		25.0	24.3		ug/L		97	80 - 122	5	15

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

Lab Sample ID: 480-198411-10 MSD
Matrix: WG
Analysis Batch: 628588

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	ND		50.0	51.1		ug/L		102	76 - 122	2	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*85*		*75 - 123*
Toluene-d8 (Surr)	*91*		*80 - 120*

Lab Sample ID: MB 480-628658/8
Matrix: Water
Analysis Batch: 628658

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			06/03/22 13:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/03/22 13:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/03/22 13:39	1
o-Xylene	ND		1.0	0.76	ug/L			06/03/22 13:39	1
Toluene	ND		1.0	0.51	ug/L			06/03/22 13:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/03/22 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*06/03/22 13:39*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*06/03/22 13:39*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*06/03/22 13:39*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/03/22 13:39*	*1*

Lab Sample ID: LCS 480-628658/6
Matrix: Water
Analysis Batch: 628658

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	23.9		ug/L		96	71 - 124		
Ethylbenzene			25.0	23.2		ug/L		93	77 - 123		
m-Xylene & p-Xylene			25.0	24.5		ug/L		98	76 - 122		
o-Xylene			25.0	23.0		ug/L		92	76 - 122		
Toluene			25.0	23.2		ug/L		93	80 - 122		
Xylenes, Total			50.0	47.5		ug/L		95	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 480-628095/1-A
Matrix: Water
Analysis Batch: 628371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		05/31/22 09:32	06/01/22 16:06	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 16:06	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 16:06	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 16:06	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 16:06	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 16:06	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 16:06	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 16:06	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 16:06	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 16:06	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 16:06	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 16:06	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 16:06	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 16:06	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 16:06	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 16:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*86*		*46 - 120*	*05/31/22 09:32*	*06/01/22 16:06*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*05/31/22 09:32*	*06/01/22 16:06*	*1*
p-Terphenyl-d14 (Surr)	*80*		*60 - 148*	*05/31/22 09:32*	*06/01/22 16:06*	*1*

Lab Sample ID: LCS 480-628095/2-A
Matrix: Water
Analysis Batch: 628371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	27.7		ug/L		87	60 - 120
Acenaphthylene	32.0	27.3		ug/L		85	63 - 120
Anthracene	32.0	32.9		ug/L		103	67 - 120
Benzo[a]anthracene	32.0	30.7		ug/L		96	70 - 121
Benzo[a]pyrene	32.0	26.7		ug/L		83	60 - 123
Benzo[b]fluoranthene	32.0	29.3		ug/L		92	66 - 126
Benzo[g,h,i]perylene	32.0	28.6		ug/L		89	66 - 150
Benzo[k]fluoranthene	32.0	29.8		ug/L		93	65 - 124
Chrysene	32.0	30.0		ug/L		94	69 - 120
Dibenz(a,h)anthracene	32.0	29.0		ug/L		91	65 - 135
Fluoranthene	32.0	33.3		ug/L		104	69 - 126
Fluorene	32.0	29.6		ug/L		92	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	29.1		ug/L		91	69 - 146
Naphthalene	32.0	26.2		ug/L		82	57 - 120
Phenanthrene	32.0	31.7		ug/L		99	68 - 120
Pyrene	32.0	32.9		ug/L		103	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*87*		*46 - 120*
2-Fluorobiphenyl	*88*		*48 - 120*
p-Terphenyl-d14 (Surr)	*88*		*60 - 148*

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

Lab Sample ID: 480-198411-10 MS
Matrix: WG
Analysis Batch: 628371

Client Sample ID: PTMW-0202
Prep Type: Total/NA
Prep Batch: 628095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	34		32.0	66.8		ug/L		103	48 - 120
Acenaphthylene	ND		32.0	30.4		ug/L		95	63 - 120
Anthracene	ND		32.0	33.4		ug/L		104	65 - 122
Benzo[a]anthracene	ND		32.0	20.3	J	ug/L		63	43 - 124
Benzo[a]pyrene	ND		32.0	14.0	J	ug/L		44	23 - 125
Benzo[b]fluoranthene	ND		32.0	15.5	J	ug/L		48	27 - 127
Benzo[g,h,i]perylene	ND		32.0	12.9	J	ug/L		40	16 - 147
Benzo[k]fluoranthene	ND		32.0	17.2	J	ug/L		54	20 - 124
Chrysene	ND		32.0	19.0	J	ug/L		59	44 - 122
Dibenz(a,h)anthracene	ND	F2	32.0	12.7	J	ug/L		40	16 - 139
Fluoranthene	ND		32.0	31.4		ug/L		98	63 - 129
Fluorene	5.5	J	32.0	37.8		ug/L		101	62 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	13.4	J	ug/L		42	16 - 140
Naphthalene	ND		32.0	29.9		ug/L		94	45 - 120
Phenanthrene	ND		32.0	31.5		ug/L		98	65 - 122
Pyrene	ND		32.0	29.6		ug/L		93	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*101*		*46 - 120*
2-Fluorobiphenyl	*101*		*48 - 120*
p-Terphenyl-d14 (Surr)	*53*	*S1-*	*60 - 148*

Lab Sample ID: 480-198411-10 MSD
Matrix: WG
Analysis Batch: 628371

Client Sample ID: PTMW-0202
Prep Type: Total/NA
Prep Batch: 628095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	34		32.0	61.6		ug/L		86	48 - 120	8	24
Acenaphthylene	ND		32.0	29.1		ug/L		91	63 - 120	5	18
Anthracene	ND		32.0	33.4		ug/L		104	65 - 122	0	15
Benzo[a]anthracene	ND		32.0	19.4	J	ug/L		60	43 - 124	5	15
Benzo[a]pyrene	ND		32.0	12.6	J	ug/L		39	23 - 125	10	15
Benzo[b]fluoranthene	ND		32.0	14.2	J	ug/L		44	27 - 127	9	15
Benzo[g,h,i]perylene	ND		32.0	12.5	J	ug/L		39	16 - 147	3	15
Benzo[k]fluoranthene	ND		32.0	15.4	J	ug/L		48	20 - 124	11	22
Chrysene	ND		32.0	18.7	J	ug/L		58	44 - 122	2	15
Dibenz(a,h)anthracene	ND	F2	32.0	10.7	J F2	ug/L		33	16 - 139	17	15
Fluoranthene	ND		32.0	31.0		ug/L		97	63 - 129	1	15
Fluorene	5.5	J	32.0	35.3		ug/L		93	62 - 120	7	15
Indeno[1,2,3-cd]pyrene	ND		32.0	12.5	J	ug/L		39	16 - 140	7	15
Naphthalene	ND		32.0	28.0		ug/L		87	45 - 120	7	29
Phenanthrene	ND		32.0	31.1		ug/L		97	65 - 122	1	15
Pyrene	ND		32.0	28.8		ug/L		90	58 - 128	3	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*86*		*46 - 120*
2-Fluorobiphenyl	*93*		*48 - 120*
p-Terphenyl-d14 (Surr)	*45*	*S1-*	*60 - 148*

Method: 537 IDA - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-262277/1-A
Matrix: Water
Analysis Batch: 263346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 262277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		5.0	2.0	ng/L		06/06/22 07:37	06/08/22 20:41	1
8:2 Fluorotelomer sulfonic acid	ND		3.0	1.0	ng/L		06/06/22 07:37	06/08/22 20:41	1
NEtFOSAA	ND		3.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
NMeFOSAA	ND		2.0	0.60	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorobutanoic acid	ND		5.0	2.0	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluoroheptanoic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorohexanesulfonic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorooctanesulfonic acid	0.558	J	2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorooctanoic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluoropentanoic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		06/06/22 07:37	06/08/22 20:41	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*79*		*10 - 179*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C2-PFDoDA	*83*		*17 - 176*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C3 PFBS	*89*		*16 - 200*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C3 PFHxS	*87*		*28 - 188*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C4 PFBA	*87*		*42 - 165*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C4 PFHpA	*87*		*31 - 182*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C5 PFHxA	*82*		*24 - 179*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C5 PFPeA	*83*		*38 - 187*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C6 PFDA	*84*		*49 - 163*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C7 PFUnA	*85*		*34 - 174*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C8 FOSA	*71*		*10 - 168*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C8 PFOA	*81*		*48 - 162*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C8 PFOS	*89*		*51 - 159*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
13C9 PFNA	*94*		*51 - 167*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
d3-NMeFOSAA	*93*		*31 - 174*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
d5-NEtFOSAA	*80*		*29 - 195*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
M2-6:2 FTS	*90*		*17 - 200*	*06/06/22 07:37*	*06/08/22 20:41*	*1*
M2-8:2 FTS	*88*		*33 - 200*	*06/06/22 07:37*	*06/08/22 20:41*	*1*

Lab Sample ID: LCS 410-262277/3-A
Matrix: Water
Analysis Batch: 263346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 262277

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
6:2 Fluorotelomer sulfonic acid			24.3	21.8		ng/L		90	28 - 173		
8:2 Fluorotelomer sulfonic acid			24.5	21.8		ng/L		89	55 - 138		

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-262277/3-A
Matrix: Water
Analysis Batch: 263346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 262277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSAA	25.6	23.8		ng/L		93	55 - 134
NMeFOSAA	25.6	22.5		ng/L		88	59 - 140
Perfluorobutanesulfonic acid	22.7	20.4		ng/L		90	53 - 138
Perfluorobutanoic acid	25.6	25.3		ng/L		99	59 - 136
Perfluorodecanesulfonic acid	24.7	22.2		ng/L		90	55 - 137
Perfluorodecanoic acid	25.6	24.7		ng/L		96	56 - 138
Perfluorododecanoic acid	25.6	26.5		ng/L		103	59 - 143
Perfluoroheptanesulfonic acid	24.4	22.8		ng/L		93	56 - 140
Perfluoroheptanoic acid	25.6	25.2		ng/L		98	59 - 145
Perfluorohexanesulfonic acid	23.3	22.2		ng/L		95	58 - 134
Perfluorohexanoic acid	25.6	25.7		ng/L		100	58 - 139
Perfluorononanoic acid	25.6	23.6		ng/L		92	61 - 139
Perfluorooctanesulfonamide	25.6	25.5		ng/L		99	43 - 167
Perfluorooctanesulfonic acid	23.7	22.2		ng/L		94	45 - 150
Perfluorooctanoic acid	25.6	24.1		ng/L		94	51 - 145
Perfluoropentanoic acid	25.6	25.0		ng/L		98	57 - 141
Perfluorotetradecanoic acid	25.6	25.4		ng/L		99	62 - 139
Perfluorotridecanoic acid	25.6	29.9		ng/L		117	58 - 146
Perfluoroundecanoic acid	25.6	25.8		ng/L		101	60 - 141

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 PFTeDA	*82*		*10 - 179*
13C2-PFDoDA	*78*		*17 - 176*
13C3 PFBS	*93*		*16 - 200*
13C3 PFHxS	*83*		*28 - 188*
13C4 PFBA	*86*		*42 - 165*
13C4 PFHpA	*80*		*31 - 182*
13C5 PFHxA	*81*		*24 - 179*
13C5 PFPeA	*86*		*38 - 187*
13C6 PFDA	*86*		*49 - 163*
13C7 PFUnA	*85*		*34 - 174*
13C8 FOSA	*71*		*10 - 168*
13C8 PFOA	*80*		*48 - 162*
13C8 PFOS	*89*		*51 - 159*
13C9 PFNA	*93*		*51 - 167*
d3-NMeFOSAA	*94*		*31 - 174*
d5-NEtFOSAA	*86*		*29 - 195*
M2-6:2 FTS	*88*		*17 - 200*
M2-8:2 FTS	*96*		*33 - 200*

Lab Sample ID: MB 410-262339/1-A
Matrix: Water
Analysis Batch: 263346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 262339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		5.0	2.0	ng/L		06/06/22 09:16	06/08/22 16:04	1
8:2 Fluorotelomer sulfonic acid	ND		3.0	1.0	ng/L		06/06/22 09:16	06/08/22 16:04	1
NEtFOSAA	ND		3.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
NMeFOSAA	ND		2.0	0.60	ng/L		06/06/22 09:16	06/08/22 16:04	1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: MB 410-262339/1-A
Matrix: Water
Analysis Batch: 263346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 262339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorobutanoic acid	ND		5.0	2.0	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluoroheptanoic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorohexanesulfonic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorooctanesulfonic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorooctanoic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluoropentanoic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		06/06/22 09:16	06/08/22 16:04	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*81*		*10 - 179*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C2-PFDoDA	*86*		*17 - 176*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C3 PFBS	*89*		*16 - 200*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C3 PFHxS	*87*		*28 - 188*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C4 PFBA	*88*		*42 - 165*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C4 PFHpA	*84*		*31 - 182*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C5 PFHxA	*86*		*24 - 179*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C5 PFPeA	*89*		*38 - 187*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C6 PFDA	*90*		*49 - 163*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C7 PFUnA	*87*		*34 - 174*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C8 FOSA	*83*		*10 - 168*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C8 PFOA	*83*		*48 - 162*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C8 PFOS	*94*		*51 - 159*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
13C9 PFNA	*96*		*51 - 167*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
d3-NMeFOSAA	*99*		*31 - 174*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
d5-NEtFOSAA	*93*		*29 - 195*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
M2-6:2 FTS	*90*		*17 - 200*	*06/06/22 09:16*	*06/08/22 16:04*	*1*
M2-8:2 FTS	*92*		*33 - 200*	*06/06/22 09:16*	*06/08/22 16:04*	*1*

Lab Sample ID: LCS 410-262339/2-A
Matrix: Water
Analysis Batch: 263346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 262339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
6:2 Fluorotelomer sulfonic acid	24.3	19.3		ng/L		80	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	23.7		ng/L		97	55 - 138
NEtFOSAA	25.6	24.0		ng/L		94	55 - 134
NMeFOSAA	25.6	21.6		ng/L		84	59 - 140
Perfluorobutanesulfonic acid	22.7	19.8		ng/L		87	53 - 138
Perfluorobutanoic acid	25.6	24.0		ng/L		94	59 - 136

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-262339/2-A
Matrix: Water
Analysis Batch: 263346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 262339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorodecanesulfonic acid	24.7	21.1		ng/L		86	55 - 137
Perfluorodecanoic acid	25.6	23.7		ng/L		93	56 - 138
Perfluorododecanoic acid	25.6	24.3		ng/L		95	59 - 143
Perfluoroheptanesulfonic acid	24.4	21.7		ng/L		89	56 - 140
Perfluoroheptanoic acid	25.6	23.8		ng/L		93	59 - 145
Perfluorohexanesulfonic acid	23.3	21.0		ng/L		90	58 - 134
Perfluorohexanoic acid	25.6	23.3		ng/L		91	58 - 139
Perfluorononanoic acid	25.6	24.8		ng/L		97	61 - 139
Perfluorooctanesulfonamide	25.6	24.3		ng/L		95	43 - 167
Perfluorooctanesulfonic acid	23.7	20.3		ng/L		86	45 - 150
Perfluorooctanoic acid	25.6	23.8		ng/L		93	51 - 145
Perfluoropentanoic acid	25.6	24.3		ng/L		95	57 - 141
Perfluorotetradecanoic acid	25.6	22.8		ng/L		89	62 - 139
Perfluorotridecanoic acid	25.6	23.8		ng/L		93	58 - 146
Perfluoroundecanoic acid	25.6	24.5		ng/L		96	60 - 141

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 PFTeDA	*86*		*10 - 179*
13C2-PFDoDA	*90*		*17 - 176*
13C3 PFBS	*93*		*16 - 200*
13C3 PFHxS	*94*		*28 - 188*
13C4 PFBA	*92*		*42 - 165*
13C4 PFHpA	*94*		*31 - 182*
13C5 PFHxA	*91*		*24 - 179*
13C5 PFPeA	*92*		*38 - 187*
13C6 PFDA	*93*		*49 - 163*
13C7 PFUnA	*92*		*34 - 174*
13C8 FOSA	*85*		*10 - 168*
13C8 PFOA	*87*		*48 - 162*
13C8 PFOS	*103*		*51 - 159*
13C9 PFNA	*99*		*51 - 167*
d3-NMeFOSAA	*100*		*31 - 174*
d5-NEtFOSAA	*91*		*29 - 195*
M2-6:2 FTS	*98*		*17 - 200*
M2-8:2 FTS	*90*		*33 - 200*

Lab Sample ID: 480-198411-5 MS
Matrix: WG
Analysis Batch: 263346

Client Sample ID: MW-9111S
Prep Type: Total/NA
Prep Batch: 262339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
6:2 Fluorotelomer sulfonic acid	ND		21.2	16.9		ng/L		80	28 - 173
8:2 Fluorotelomer sulfonic acid	ND		21.4	19.0		ng/L		89	55 - 138
NEtFOSAA	ND		22.4	22.2		ng/L		99	55 - 134
NMeFOSAA	ND		22.4	21.8		ng/L		98	59 - 140
Perfluorobutanesulfonic acid	1.4	J	19.8	18.4		ng/L		86	53 - 138
Perfluorobutanoic acid	ND		22.4	21.9		ng/L		98	59 - 136
Perfluorodecanesulfonic acid	ND	F1	21.5	4.28	F1	ng/L		20	55 - 137
Perfluorodecanoic acid	ND		22.4	20.4		ng/L		91	56 - 138

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: 480-198411-5 MS
Matrix: WG
Analysis Batch: 263346

Client Sample ID: MW-9111S
Prep Type: Total/NA
Prep Batch: 262339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanoic acid	ND		22.4	22.0		ng/L		98	59 - 143
Perfluoroheptanesulfonic acid	0.86	J	21.3	19.0		ng/L		85	56 - 140
Perfluoroheptanoic acid	0.47	J	22.4	21.9		ng/L		96	59 - 145
Perfluorohexanesulfonic acid	22		20.4	42.1		ng/L		99	58 - 134
Perfluorohexanoic acid	1.0	J	22.4	23.3		ng/L		100	58 - 139
Perfluorononanoic acid	ND		22.4	20.1		ng/L		90	61 - 139
Perfluorooctanesulfonamide	ND		22.4	19.9		ng/L		89	43 - 167
Perfluorooctanesulfonic acid	27		20.7	43.7		ng/L		83	45 - 150
Perfluorooctanoic acid	1.8		22.4	21.1		ng/L		86	51 - 145
Perfluoropentanoic acid	0.58	J	22.4	21.1		ng/L		92	57 - 141
Perfluorotetradecanoic acid	ND		22.4	18.9		ng/L		84	62 - 139
Perfluorotridecanoic acid	ND	F1	22.4	4.33	F1	ng/L		19	58 - 146
Perfluoroundecanoic acid	ND		22.4	22.3		ng/L		100	60 - 141

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C2 PFTeDA	*1*	**5-*	*10 - 179*
13C2-PFDoDA	*12*	**5-*	*17 - 176*
13C3 PFBS	*113*		*16 - 200*
13C3 PFHxS	*94*		*28 - 188*
13C4 PFBA	*90*		*42 - 165*
13C4 PFHpA	*92*		*31 - 182*
13C5 PFHxA	*90*		*24 - 179*
13C5 PFPeA	*99*		*38 - 187*
13C6 PFDA	*80*		*49 - 163*
13C7 PFUnA	*43*		*34 - 174*
13C8 FOSA	*18*		*10 - 168*
13C8 PFOA	*89*		*48 - 162*
13C8 PFOS	*84*		*51 - 159*
13C9 PFNA	*99*		*51 - 167*
d3-NMeFOSAA	*62*		*31 - 174*
d5-NEtFOSAA	*52*		*29 - 195*
M2-6:2 FTS	*130*		*17 - 200*
M2-8:2 FTS	*98*		*33 - 200*

Lab Sample ID: 480-198411-5 MSD
Matrix: WG
Analysis Batch: 263346

Client Sample ID: MW-9111S
Prep Type: Total/NA
Prep Batch: 262339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid	ND		21.1	16.4		ng/L		78	28 - 173	3	30
8:2 Fluorotelomer sulfonic acid	ND		21.4	19.2		ng/L		90	55 - 138	1	30
NEtFOSAA	ND		22.3	21.4		ng/L		96	55 - 134	4	30
NMeFOSAA	ND		22.3	20.4		ng/L		91	59 - 140	7	30
Perfluorobutanesulfonic acid	1.4	J	19.7	18.5		ng/L		86	53 - 138	0	30
Perfluorobutanoic acid	ND		22.3	21.5		ng/L		96	59 - 136	2	30
Perfluorodecanesulfonic acid	ND	F1	21.5	4.43	F1	ng/L		21	55 - 137	4	30
Perfluorodecanoic acid	ND		22.3	21.4		ng/L		96	56 - 138	5	30
Perfluorododecanoic acid	ND		22.3	19.4		ng/L		87	59 - 143	12	30
Perfluoroheptanesulfonic acid	0.86	J	21.2	17.8		ng/L		80	56 - 140	6	30

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: 480-198411-5 MSD
Matrix: WG
Analysis Batch: 263346

Client Sample ID: MW-9111S
Prep Type: Total/NA
Prep Batch: 262339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroheptanoic acid	0.47	J	22.3	20.8		ng/L		91	59 - 145	5	30
Perfluorohexanesulfonic acid	22		20.3	38.8		ng/L		84	58 - 134	8	30
Perfluorohexanoic acid	1.0	J	22.3	23.3		ng/L		100	58 - 139	0	30
Perfluorononanoic acid	ND		22.3	21.3		ng/L		95	61 - 139	6	30
Perfluorooctanesulfonamide	ND		22.3	20.3		ng/L		91	43 - 167	2	30
Perfluorooctanesulfonic acid	27		20.6	43.3		ng/L		81	45 - 150	1	30
Perfluorooctanoic acid	1.8		22.3	21.7		ng/L		89	51 - 145	3	30
Perfluoropentanoic acid	0.58	J	22.3	20.8		ng/L		91	57 - 141	2	30
Perfluorotetradecanoic acid	ND		22.3	23.2		ng/L		104	62 - 139	21	30
Perfluorotridecanoic acid	ND	F1	22.3	4.13	F1	ng/L		19	58 - 146	5	30
Perfluoroundecanoic acid	ND		22.3	22.5		ng/L		101	60 - 141	1	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C2 PFTeDA	*1*	*5-	*10 - 179*
13C2-PFDoDA	*11*	*5-	*17 - 176*
13C3 PFBS	*106*		*16 - 200*
13C3 PFHxS	*91*		*28 - 188*
13C4 PFBA	*89*		*42 - 165*
13C4 PFHpA	*91*		*31 - 182*
13C5 PFHxA	*83*		*24 - 179*
13C5 PFPeA	*94*		*38 - 187*
13C6 PFDA	*74*		*49 - 163*
13C7 PFUnA	*42*		*34 - 174*
13C8 FOSA	*18*		*10 - 168*
13C8 PFOA	*81*		*48 - 162*
13C8 PFOS	*83*		*51 - 159*
13C9 PFNA	*94*		*51 - 167*
d3-NMeFOSAA	*63*		*31 - 174*
d5-NEtFOSAA	*48*		*29 - 195*
M2-6:2 FTS	*129*		*17 - 200*
M2-8:2 FTS	*92*		*33 - 200*

Lab Sample ID: MB 410-265148/1-A
Matrix: Water
Analysis Batch: 266270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 265148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		5.0	2.0	ng/L		06/14/22 07:27	06/16/22 23:39	1
8:2 Fluorotelomer sulfonic acid	ND		3.0	1.0	ng/L		06/14/22 07:27	06/16/22 23:39	1
NEtFOSAA	ND		3.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
NMeFOSAA	ND		2.0	0.60	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorobutanoic acid	ND		5.0	2.0	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluoroheptanoic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorohexanesulfonic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: MB 410-265148/1-A
Matrix: Water
Analysis Batch: 266270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 265148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorooctanesulfonic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorooctanoic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluoropentanoic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		06/14/22 07:27	06/16/22 23:39	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*80*		*10 - 179*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C2-PFDoDA	*84*		*17 - 176*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C3 PFBS	*87*		*16 - 200*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C3 PFHxS	*94*		*28 - 188*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C4 PFBA	*89*		*42 - 165*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C4 PFHpA	*93*		*31 - 182*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C5 PFHxA	*91*		*24 - 179*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C5 PFPeA	*89*		*38 - 187*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C6 PFDA	*90*		*49 - 163*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C7 PFUnA	*92*		*34 - 174*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C8 FOSA	*83*		*10 - 168*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C8 PFOA	*91*		*48 - 162*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C8 PFOS	*89*		*51 - 159*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
13C9 PFNA	*85*		*51 - 167*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
d3-NMeFOSAA	*90*		*31 - 174*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
d5-NEtFOSAA	*88*		*29 - 195*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
M2-6:2 FTS	*99*		*17 - 200*	*06/14/22 07:27*	*06/16/22 23:39*	*1*
M2-8:2 FTS	*86*		*33 - 200*	*06/14/22 07:27*	*06/16/22 23:39*	*1*

Lab Sample ID: LCS 410-265148/3-A
Matrix: Water
Analysis Batch: 266270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 265148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
6:2 Fluorotelomer sulfonic acid	24.3	23.1		ng/L		95	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	20.7		ng/L		84	55 - 138
NEtFOSAA	25.6	24.3		ng/L		95	55 - 134
NMeFOSAA	25.6	24.8		ng/L		97	59 - 140
Perfluorobutanesulfonic acid	22.7	21.7		ng/L		96	53 - 138
Perfluorobutanoic acid	25.6	22.7		ng/L		88	59 - 136
Perfluorodecanesulfonic acid	24.7	19.9		ng/L		81	55 - 137
Perfluorodecanoic acid	25.6	23.8		ng/L		93	56 - 138
Perfluorododecanoic acid	25.6	23.3		ng/L		91	59 - 143
Perfluoroheptanesulfonic acid	24.4	20.2		ng/L		83	56 - 140
Perfluoroheptanoic acid	25.6	24.1		ng/L		94	59 - 145
Perfluorohexanesulfonic acid	23.3	20.8		ng/L		89	58 - 134
Perfluorohexanoic acid	25.6	22.8		ng/L		89	58 - 139
Perfluorononanoic acid	25.6	23.9		ng/L		94	61 - 139

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-265148/3-A
Matrix: Water
Analysis Batch: 266270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 265148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide	25.6	22.8		ng/L		89	43 - 167
Perfluorooctanesulfonic acid	23.7	22.1		ng/L		93	45 - 150
Perfluorooctanoic acid	25.6	22.6		ng/L		88	51 - 145
Perfluoropentanoic acid	25.6	22.1		ng/L		86	57 - 141
Perfluorotetradecanoic acid	25.6	24.5		ng/L		96	62 - 139
Perfluorotridecanoic acid	25.6	23.4		ng/L		91	58 - 146
Perfluoroundecanoic acid	25.6	22.7		ng/L		89	60 - 141

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 PFTeDA	*82*		*10 - 179*
13C2-PFDoDA	*88*		*17 - 176*
13C3 PFBS	*88*		*16 - 200*
13C3 PFHxS	*95*		*28 - 188*
13C4 PFBA	*89*		*42 - 165*
13C4 PFHpA	*95*		*31 - 182*
13C5 PFHxA	*95*		*24 - 179*
13C5 PFPeA	*88*		*38 - 187*
13C6 PFDA	*92*		*49 - 163*
13C7 PFUnA	*93*		*34 - 174*
13C8 FOSA	*84*		*10 - 168*
13C8 PFOA	*95*		*48 - 162*
13C8 PFOS	*92*		*51 - 159*
13C9 PFNA	*93*		*51 - 167*
d3-NMeFOSAA	*91*		*31 - 174*
d5-NEtFOSAA	*87*		*29 - 195*
M2-6:2 FTS	*94*		*17 - 200*
M2-8:2 FTS	*90*		*33 - 200*

GC/MS VOA

Analysis Batch: 628347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198411-1	MW-0201	Total/NA	WG	8260C	
480-198411-2	MW-0203	Total/NA	WG	8260C	
480-198411-3	MW-8604S	Total/NA	WG	8260C	
480-198411-4	MW-8806S	Total/NA	WG	8260C	
480-198411-5	MW-9111S	Total/NA	WG	8260C	
480-198411-6	MW-9112D	Total/NA	WG	8260C	
480-198411-7	MW-9112S	Total/NA	WG	8260C	
480-198411-8	MW-9114S	Total/NA	WG	8260C	
480-198411-9	MW-9502S	Total/NA	WG	8260C	
480-198411-11	TRIP BLANK	Total/NA	WQ	8260C	
480-198411-12	DUP-052522	Total/NA	Water	8260C	
MB 480-628347/8	Method Blank	Total/NA	Water	8260C	
LCS 480-628347/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 628588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198411-10	PTMW-0202	Total/NA	WG	8260C	
MB 480-628588/8	Method Blank	Total/NA	Water	8260C	
LCS 480-628588/6	Lab Control Sample	Total/NA	Water	8260C	
480-198411-10 MS	PTMW-0202	Total/NA	WG	8260C	
480-198411-10 MSD	PTMW-0202	Total/NA	WG	8260C	

Analysis Batch: 628658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198411-13	FB-01-052522	Total/NA	Water	8260C	
480-198411-14	EB-01-052522	Total/NA	Water	8260C	
MB 480-628658/8	Method Blank	Total/NA	Water	8260C	
LCS 480-628658/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 628095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198411-1	MW-0201	Total/NA	WG	3510C	
480-198411-2	MW-0203	Total/NA	WG	3510C	
480-198411-3	MW-8604S	Total/NA	WG	3510C	
480-198411-4	MW-8806S	Total/NA	WG	3510C	
480-198411-5	MW-9111S	Total/NA	WG	3510C	
480-198411-6	MW-9112D	Total/NA	WG	3510C	
480-198411-7	MW-9112S	Total/NA	WG	3510C	
480-198411-8	MW-9114S	Total/NA	WG	3510C	
480-198411-9	MW-9502S	Total/NA	WG	3510C	
480-198411-10	PTMW-0202	Total/NA	WG	3510C	
480-198411-12	DUP-052522	Total/NA	Water	3510C	
480-198411-13	FB-01-052522	Total/NA	Water	3510C	
480-198411-14	EB-01-052522	Total/NA	Water	3510C	
MB 480-628095/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-628095/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-198411-10 MS	PTMW-0202	Total/NA	WG	3510C	
480-198411-10 MSD	PTMW-0202	Total/NA	WG	3510C	

GC/MS Semi VOA

Analysis Batch: 628371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198411-1	MW-0201	Total/NA	WG	8270D	628095
480-198411-2	MW-0203	Total/NA	WG	8270D	628095
480-198411-3	MW-8604S	Total/NA	WG	8270D	628095
480-198411-4	MW-8806S	Total/NA	WG	8270D	628095
480-198411-5	MW-9111S	Total/NA	WG	8270D	628095
480-198411-6	MW-9112D	Total/NA	WG	8270D	628095
480-198411-7	MW-9112S	Total/NA	WG	8270D	628095
480-198411-8	MW-9114S	Total/NA	WG	8270D	628095
480-198411-9	MW-9502S	Total/NA	WG	8270D	628095
480-198411-10	PTMW-0202	Total/NA	WG	8270D	628095
480-198411-12	DUP-052522	Total/NA	Water	8270D	628095
480-198411-13	FB-01-052522	Total/NA	Water	8270D	628095
480-198411-14	EB-01-052522	Total/NA	Water	8270D	628095
MB 480-628095/1-A	Method Blank	Total/NA	Water	8270D	628095
LCS 480-628095/2-A	Lab Control Sample	Total/NA	Water	8270D	628095
480-198411-10 MS	PTMW-0202	Total/NA	WG	8270D	628095
480-198411-10 MSD	PTMW-0202	Total/NA	WG	8270D	628095

LCMS

Prep Batch: 262277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198411-15	DUP-PFAS-052522	Total/NA	Water	537 IDA	
480-198411-16	FB-02-052522	Total/NA	Water	537 IDA	
480-198411-17	EB-02-052522	Total/NA	Water	537 IDA	
MB 410-262277/1-A	Method Blank	Total/NA	Water	537 IDA	
LCS 410-262277/3-A	Lab Control Sample	Total/NA	Water	537 IDA	

Prep Batch: 262339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198411-5	MW-9111S	Total/NA	WG	537 IDA	
MB 410-262339/1-A	Method Blank	Total/NA	Water	537 IDA	
LCS 410-262339/2-A	Lab Control Sample	Total/NA	Water	537 IDA	
480-198411-5 MS	MW-9111S	Total/NA	WG	537 IDA	
480-198411-5 MSD	MW-9111S	Total/NA	WG	537 IDA	

Analysis Batch: 263346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198411-5	MW-9111S	Total/NA	WG	537 IDA	262339
480-198411-15	DUP-PFAS-052522	Total/NA	Water	537 IDA	262277
480-198411-16	FB-02-052522	Total/NA	Water	537 IDA	262277
480-198411-17	EB-02-052522	Total/NA	Water	537 IDA	262277
MB 410-262277/1-A	Method Blank	Total/NA	Water	537 IDA	262277
MB 410-262339/1-A	Method Blank	Total/NA	Water	537 IDA	262339
LCS 410-262277/3-A	Lab Control Sample	Total/NA	Water	537 IDA	262277
LCS 410-262339/2-A	Lab Control Sample	Total/NA	Water	537 IDA	262339
480-198411-5 MS	MW-9111S	Total/NA	WG	537 IDA	262339
480-198411-5 MSD	MW-9111S	Total/NA	WG	537 IDA	262339

QC Association Summary

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

Job ID: 480-198411-1

LCMS

Prep Batch: 265148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198411-15 - RE	DUP-PFAS-052522	Total/NA	Water	537 IDA	
480-198411-16 - RE	FB-02-052522	Total/NA	Water	537 IDA	
MB 410-265148/1-A	Method Blank	Total/NA	Water	537 IDA	
LCS 410-265148/3-A	Lab Control Sample	Total/NA	Water	537 IDA	

Analysis Batch: 266270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198411-15 - RE	DUP-PFAS-052522	Total/NA	Water	537 IDA	265148
480-198411-16 - RE	FB-02-052522	Total/NA	Water	537 IDA	265148
MB 410-265148/1-A	Method Blank	Total/NA	Water	537 IDA	265148
LCS 410-265148/3-A	Lab Control Sample	Total/NA	Water	537 IDA	265148

Lab Chronicle

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

Job ID: 480-198411-1

Client Sample ID: MW-0201
Date Collected: 05/24/22 14:45
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-1
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	628347	06/02/22 04:24	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 18:26	PJQ	TAL BUF

Client Sample ID: MW-0203
Date Collected: 05/24/22 09:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-2
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628347	06/02/22 04:46	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 18:54	PJQ	TAL BUF

Client Sample ID: MW-8604S
Date Collected: 05/24/22 12:40
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-3
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628347	06/02/22 05:09	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 19:22	PJQ	TAL BUF

Client Sample ID: MW-8806S
Date Collected: 05/24/22 10:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-4
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628347	06/02/22 05:31	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 19:50	PJQ	TAL BUF

Client Sample ID: MW-9111S
Date Collected: 05/24/22 08:50
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-5
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628347	06/02/22 05:53	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 20:18	PJQ	TAL BUF
Total/NA	Prep	537 IDA			262339	06/06/22 09:16	D5VP	ELLE
Total/NA	Analysis	537 IDA		1	263346	06/08/22 19:45	MT26	ELLE

Lab Chronicle

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

Job ID: 480-198411-1

Client Sample ID: MW-9112D
Date Collected: 05/24/22 13:50
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-6
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628347	06/02/22 06:15	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 20:46	PJQ	TAL BUF

Client Sample ID: MW-9112S
Date Collected: 05/24/22 12:55
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-7
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628347	06/02/22 06:37	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 21:13	PJQ	TAL BUF

Client Sample ID: MW-9114S
Date Collected: 05/24/22 15:10
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-8
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628347	06/02/22 06:59	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 21:41	PJQ	TAL BUF

Client Sample ID: MW-9502S
Date Collected: 05/24/22 10:25
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-9
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628347	06/02/22 07:21	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 22:09	PJQ	TAL BUF

Client Sample ID: PTMW-0202
Date Collected: 05/24/22 08:15
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-10
Matrix: WG

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628588	06/03/22 05:47	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		5	628371	06/01/22 17:58	PJQ	TAL BUF

Client Sample ID: TRIP BLANK
Date Collected: 05/24/22 00:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-11
Matrix: WQ

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628347	06/02/22 07:43	CRL	TAL BUF

Lab Chronicle

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

Job ID: 480-198411-1

Client Sample ID: DUP-052522
Date Collected: 05/24/22 00:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628347	06/02/22 08:06	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 22:36	PJQ	TAL BUF

Client Sample ID: FB-01-052522
Date Collected: 05/25/22 09:45
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628658	06/03/22 18:20	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 23:05	PJQ	TAL BUF

Client Sample ID: EB-01-052522
Date Collected: 05/25/22 10:10
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628658	06/03/22 18:43	CRL	TAL BUF
Total/NA	Prep	3510C			628095	05/31/22 09:32	JMP	TAL BUF
Total/NA	Analysis	8270D		1	628371	06/01/22 23:33	PJQ	TAL BUF

Client Sample ID: DUP-PFAS-052522
Date Collected: 05/25/22 00:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 IDA	RE		265148	06/14/22 07:27	D5VP	ELLE
Total/NA	Analysis	537 IDA	RE	1	266270	06/17/22 04:16	PY4D	ELLE
Total/NA	Prep	537 IDA			262277	06/06/22 07:37	RC3V	ELLE
Total/NA	Analysis	537 IDA		1	263346	06/09/22 00:23	MT26	ELLE

Client Sample ID: FB-02-052522
Date Collected: 05/25/22 10:20
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 IDA	RE		265148	06/14/22 07:27	D5VP	ELLE
Total/NA	Analysis	537 IDA	RE	1	266270	06/17/22 04:27	PY4D	ELLE
Total/NA	Prep	537 IDA			262277	06/06/22 07:37	RC3V	ELLE
Total/NA	Analysis	537 IDA		1	263346	06/09/22 00:34	MT26	ELLE

Lab Chronicle

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

Job ID: 480-198411-1

Client Sample ID: EB-02-052522

Date Collected: 05/25/22 10:30
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 IDA			262277	06/06/22 07:37	RC3V	ELLE
Total/NA	Analysis	537 IDA		1	263346	06/09/22 00:56	MT26	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

TAL 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: 480-198411-1
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	03-31-23

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	11-30-22
A2LA	ISO/IEC 17025	0001.01	11-30-22
Alaska	State	PA00009	06-30-22
Alaska (UST)	State	17-027	02-28-23
Arizona	State	AZ0780	03-12-23
Arkansas DEQ	State	88-0660	08-10-22
California	State	2792	11-30-22
Colorado	State	PA00009	06-30-22
Connecticut	State	PH-0746	06-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-23
Delaware (DW)	State	N/A	01-31-23
Florida	NELAP	E87997	06-30-22
Georgia (DW)	State	C048	01-31-23
Hawaii	State	N/A	01-31-23
Illinois	NELAP	200027	01-31-23
Iowa	State	361	03-02-22 *
Kansas	NELAP	E-10151	10-31-22
Kentucky (DW)	State	KY90088	12-31-22
Kentucky (UST)	State	1.01	11-30-22
Kentucky (WW)	State	KY90088	01-01-23
Louisiana	NELAP	02055	06-30-22
Maine	State	2019012	03-12-23
Maryland	State	100	06-30-22
Massachusetts	State	M-PA009	06-30-22
Michigan	State	9930	01-31-23
Minnesota	NELAP	042-999-487	12-31-22
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-23
Montana (UST)	State	<cert No.>	02-01-23
Nebraska	State	NE-OS-32-17	01-31-23
New Hampshire	NELAP	2730	01-10-23
New Jersey	NELAP	PA011	06-30-22
New York	NELAP	10670	04-01-23
North Carolina (DW)	State	42705	07-31-22
North Carolina (WW/SW)	State	521	12-31-22
North Dakota	State	R-205	01-31-23
Oklahoma	NELAP	R-205	08-31-22
Oregon	NELAP	PA200001	09-11-22
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-23
Rhode Island	State	LAO00338	12-30-22
South Carolina	State	89002	01-31-23
Tennessee	State	02838	01-31-23
Texas	NELAP	T104704194-21-40	08-31-22

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: New York State Electric & Gas
Job ID: 480-198411-1
Project/Site: NYSEG - Oneonta Former MGP

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
USDA	US Federal Programs	P330-19-00197	07-03-22
Vermont	State	VT - 36037	10-28-22
Virginia	NELAP	460182	06-15-23
Washington	State	C457	04-11-23
West Virginia (DW)	State	9906 C	12-31-22
West Virginia DEP	State	055	07-31-22
Wyoming	State	8TMS-L	01-31-23
Wyoming (UST)	A2LA	1.01	11-30-22

Method Summary

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

Job ID: 480-198411-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

TAL 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: 480-198411-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-198411-1	MW-0201	WG	05/24/22 14:45	05/27/22 10:00
480-198411-2	MW-0203	WG	05/24/22 09:00	05/27/22 10:00
480-198411-3	MW-8604S	WG	05/24/22 12:40	05/27/22 10:00
480-198411-4	MW-8806S	WG	05/24/22 10:00	05/27/22 10:00
480-198411-5	MW-9111S	WG	05/24/22 08:50	05/27/22 10:00
480-198411-6	MW-9112D	WG	05/24/22 13:50	05/27/22 10:00
480-198411-7	MW-9112S	WG	05/24/22 12:55	05/27/22 10:00
480-198411-8	MW-9114S	WG	05/24/22 15:10	05/27/22 10:00
480-198411-9	MW-9502S	WG	05/24/22 10:25	05/27/22 10:00
480-198411-10	PTMW-0202	WG	05/24/22 08:15	05/27/22 10:00
480-198411-11	TRIP BLANK	WQ	05/24/22 00:00	05/27/22 10:00
480-198411-12	DUP-052522	Water	05/24/22 00:00	05/27/22 10:00
480-198411-13	FB-01-052522	Water	05/25/22 09:45	05/27/22 10:00
480-198411-14	EB-01-052522	Water	05/25/22 10:10	05/27/22 10:00
480-198411-15	DUP-PFAS-052522	Water	05/25/22 00:00	05/27/22 10:00
480-198411-16	FB-02-052522	Water	05/25/22 10:20	05/27/22 10:00
480-198411-17	EB-02-052522	Water	05/25/22 10:30	05/27/22 10:00

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Svensson, K. Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-174233-37584.1
Client Contact: Ryan Clare	Phone: 716-909-9063	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):			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone: 585-880-7747	PO #: 4505261722			
Email: Ryan.Clare@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

480-198411 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	PFC_IDA - NY 21 PFAS	Total Number of conta	Special Instructions/Note:
			Preservation Code:				N	A	N		
MW-8604S	5/24/22	1240	G	Water	N		X	X		5	
MW-9114S	5/24/22	1510	G	Water	N		X	X		5	
MW-8806S	5/24/22	1000	G	Water	N		X	X		5	
MW-0201	5/24/22	1445	G	Water	N		X	X		5	
MW-9111S	5/25/22	0850	G	Water	N	Y	X	X	X	11	
MW-0203	5/24/22	0900	G	Water	N		X	X		5	
MW-9112S	5/24/22	1255	G	Water	N		X	X		5	
MW-9112D	5/24/22	1350	G	Water	N		X	X		5	
MW-9502S	5/24/22	1025	G	Water	N		X	X		5	
PTMW-0202	5/25/22	0815	G	Water	N	Y	X	X		15	
DUP-052522	5/25/22	—	G	Water	N		X	X		5	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Adam Svensson /ANA	5/26/22 1200			5/27/22 1000	TVT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.9 3.1 2.4 # 1 ICE

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 America

Client Information	Sampler: A. Svensson, K. Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-174233-37584.2
Client Contact: Ryan Clare	Phone: 716-909-9063	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):			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone: 585-880-7747	PO #: 4505261722			
Email: Ryan.Clare@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
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	PFC_IDA - NY 21 PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	N		
FB-01-052522	5/25/22	0945	G	Water	N		X	X		5	
EB-01-052522	5/25/22	1010	G	Water	N		X	X		5	
DUP-PFAS-052522	5/25/22	—	G	Water	N				X	2	
TRIP BLNK	5/17/22	—	G	Water	N		X			1	
FIELD BLANK FB-02-052522	5/25/22	1020	G	Water	N				X	2	
EQUIPMENT BLANK EB-02-052522	5/25/22	1030	G	Water	N				X	2	

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	Adam Svensson	5/26/22 1200	ANA	PSL		
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

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 America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-72691.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 480-198411-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/13/2022			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601	PO #			
Phone: 717-656-2300(Tel)	WO #			
Email:	Project #: 48004125			
Project Name: NYSEG - Oneonta Former MGP	SSOW#:			
Site: NYSEG - Oneonta Former MGP				

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify), Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	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)	PFC_IDA/3535_PFC NY 21 PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-9111S (480-198411-5)	5/24/22	08:50 Eastern		Water			X	2	
MW-9111S (480-198411-5MS)	5/24/22	08:50 Eastern	MS	Water			X	2	
MW-9111S (480-198411-5MSD)	5/24/22	08:50 Eastern	MSD	Water			X	2	
DUP-PFAS-052522 (480-198411-15)	5/25/22	Eastern		Water			X	2	
FB-02-052522 (480-198411-16)	5/25/22	10:20 Eastern		Water			X	2	
EB-02-052522 (480-198411-17)	5/25/22	10:30 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	5/31/22 1700	TA			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	6/1/22 1118	ECET

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-198411-1

Login Number: 198411
List Number: 1
Creator: Sabuda, Brendan D

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	29. 3.1 2.4 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-198411-1

Login Number: 198411
List Number: 2
Creator: McCaskey, Jonathan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 06/01/22 02:52 PM

Question	Answer	Comment
The cooler's custody seal 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 (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/23/2022 4:57:31 PM

JOB DESCRIPTION

NYSEG - Oneonta Former MGP
NYSEG - Oneonta Former MGP

JOB NUMBER

480-203965-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

my EOL

Table of Contents

Definitions/Glossary

Client: New York State Electric & Gas
Job ID: 480-203965-1
Project/Site: NYSEG - Oneonta Former MGP

Qualifiers

GC/MS 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.

GC/MS Semi 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.

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: 480-203965-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-203965-1

Comments
No additional comments.

Receipt
The samples were received on 11/16/2022 1:30 PM. 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 2.8º C and 3.1º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PTMW-0202 (480-203965-10), PTMW-0202 (480-203965-10[MS]), PTMW-0202 (480-203965-10[MSD]) and DUP-111522 (480-203965-12). 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 samples were diluted due to color, appearance, and viscosity: PTMW-0202 (480-203965-10), PTMW-0202 (480-203965-10[MS]) and PTMW-0202 (480-203965-10[MSD]). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-0201 (480-203965-1) and DUP-111522 (480-203965-12). 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.

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

Detection Summary

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

Job ID: 480-203965-1

Client Sample ID: MW-0201 — Lab Sample ID: 480-203965-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	53		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	55		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	11		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	37		1.0	0.76	ug/L	1		8260C	Total/NA
Toluene	2.2		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	48		2.0	0.66	ug/L	1		8260C	Total/NA
Naphthalene	160	E	5.0	0.76	ug/L	1		8270D	Total/NA
Naphthalene - DL	270		50	7.6	ug/L	10		8270D	Total/NA

Client Sample ID: MW-0203 — Lab Sample ID: 480-203965-2

No Detections.

Client Sample ID: MW-8604S — Lab Sample ID: 480-203965-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	5.7		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.76	J	5.0	0.38	ug/L	1		8270D	Total/NA
Fluoranthene	0.54	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	0.74	J	5.0	0.36	ug/L	1		8270D	Total/NA
Pyrene	0.53	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MW-8806S — Lab Sample ID: 480-203965-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.88	J	1.0	0.41	ug/L	1		8260C	Total/NA
Acenaphthene	0.51	J	5.2	0.43	ug/L	1		8270D	Total/NA

Client Sample ID: MW-9111S — Lab Sample ID: 480-203965-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	22		1.0	0.41	ug/L	1		8260C	Total/NA
Acenaphthene	4.4	J	5.2	0.43	ug/L	1		8270D	Total/NA
Naphthalene	0.88	J	5.2	0.79	ug/L	1		8270D	Total/NA

Client Sample ID: MW-9112D — Lab Sample ID: 480-203965-6

No Detections.

Client Sample ID: MW-9112S — Lab Sample ID: 480-203965-7

No Detections.

Client Sample ID: MW-9114S — Lab Sample ID: 480-203965-8

No Detections.

Client Sample ID: MW-9502S — Lab Sample ID: 480-203965-9

No Detections.

Client Sample ID: PTMW-0202 — Lab Sample ID: 480-203965-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	460		10	4.1	ug/L	10		8260C	Total/NA
o-Xylene	8.4	J	10	7.6	ug/L	10		8260C	Total/NA
Xylenes, Total	8.4	J	20	6.6	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: PTMW-0202 (Continued) — Lab Sample ID: 480-203965-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	60	F1	25	2.1	ug/L	5		8270D	Total/NA
Fluorene	13	J	25	1.8	ug/L	5		8270D	Total/NA
Naphthalene	43	F1	25	3.8	ug/L	5		8270D	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-203965-11

No Detections.

Client Sample ID: DUP-111522 — Lab Sample ID: 480-203965-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	460	E	1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	0.84	J	1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	2.5		2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	9.1		1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	12		2.0	0.66	ug/L	1		8260C	Total/NA
Benzene - DL	460		10	4.1	ug/L	10		8260C	Total/NA
o-Xylene - DL	8.6	J	10	7.6	ug/L	10		8260C	Total/NA
Xylenes, Total - DL	8.6	J	20	6.6	ug/L	10		8260C	Total/NA
Acenaphthene	79	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	1.3	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	20		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	60		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	2.2	J	5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	1.3	J	5.0	0.34	ug/L	1		8270D	Total/NA
Acenaphthene - DL	78		25	2.1	ug/L	5		8270D	Total/NA
Fluorene - DL	19	J	25	1.8	ug/L	5		8270D	Total/NA
Naphthalene - DL	60		25	3.8	ug/L	5		8270D	Total/NA
Phenanthrene - DL	2.3	J	25	2.2	ug/L	5		8270D	Total/NA

Client Sample ID: FB-01-111522 — Lab Sample ID: 480-203965-13

No Detections.

Client Sample ID: EB-01-111522 — Lab Sample ID: 480-203965-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-0201
Date Collected: 11/15/22 12:05
Date Received: 11/16/22 13:30

Lab Sample ID: 480-203965-1
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**53**		1.0	0.41	ug/L			11/17/22 11:20	1
Ethylbenzene	**55**		1.0	0.74	ug/L			11/17/22 11:20	1
m-Xylene & p-Xylene	**11**		2.0	0.66	ug/L			11/17/22 11:20	1
o-Xylene	**37**		1.0	0.76	ug/L			11/17/22 11:20	1
Toluene	**2.2**		1.0	0.51	ug/L			11/17/22 11:20	1
Xylenes, Total	**48**		2.0	0.66	ug/L			11/17/22 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*11/17/22 11:20*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/17/22 11:20*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/17/22 11:20*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*11/17/22 11:20*	*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		11/18/22 08:41	11/21/22 14:52	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 14:52	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 14:52	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 14:52	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 14:52	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 14:52	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 14:52	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 14:52	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 14:52	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 14:52	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 14:52	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 14:52	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 14:52	1
Naphthalene	**160**	**E**	5.0	0.76	ug/L		11/18/22 08:41	11/21/22 14:52	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 14:52	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*46 - 120*	*11/18/22 08:41*	*11/21/22 14:52*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*11/18/22 08:41*	*11/21/22 14:52*	*1*
p-Terphenyl-d14 (Surr)	*100*		*60 - 148*	*11/18/22 08:41*	*11/21/22 14:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		50	4.1	ug/L		11/18/22 08:41	11/22/22 12:03	10
Acenaphthylene	ND		50	3.8	ug/L		11/18/22 08:41	11/22/22 12:03	10
Anthracene	ND		50	2.8	ug/L		11/18/22 08:41	11/22/22 12:03	10
Benzo[a]anthracene	ND		50	3.6	ug/L		11/18/22 08:41	11/22/22 12:03	10
Benzo[a]pyrene	ND		50	4.7	ug/L		11/18/22 08:41	11/22/22 12:03	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		11/18/22 08:41	11/22/22 12:03	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		11/18/22 08:41	11/22/22 12:03	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		11/18/22 08:41	11/22/22 12:03	10
Chrysene	ND		50	3.3	ug/L		11/18/22 08:41	11/22/22 12:03	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		11/18/22 08:41	11/22/22 12:03	10
Fluoranthene	ND		50	4.0	ug/L		11/18/22 08:41	11/22/22 12:03	10

Client Sample ID: MW-0201
Lab Sample ID: 480-203965-1

Date Collected: 11/15/22 12:05
Matrix: WG
Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		50	3.6	ug/L		11/18/22 08:41	11/22/22 12:03	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		11/18/22 08:41	11/22/22 12:03	10
Naphthalene	**270**		50	7.6	ug/L		11/18/22 08:41	11/22/22 12:03	10
Phenanthrene	ND		50	4.4	ug/L		11/18/22 08:41	11/22/22 12:03	10
Pyrene	ND		50	3.4	ug/L		11/18/22 08:41	11/22/22 12:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*61*		*46 - 120*	*11/18/22 08:41*	*11/22/22 12:03*	*10*
2-Fluorobiphenyl	*87*		*48 - 120*	*11/18/22 08:41*	*11/22/22 12:03*	*10*
p-Terphenyl-d14 (Surr)	*98*		*60 - 148*	*11/18/22 08:41*	*11/22/22 12:03*	*10*

Client Sample ID: MW-0203
Lab Sample ID: 480-203965-2

Date Collected: 11/15/22 16:35
Matrix: WG
Date Received: 11/16/22 13:30

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			11/17/22 11:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 11:47	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 11:47	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 11:47	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 11:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/17/22 11:47*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/17/22 11:47*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/17/22 11:47*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*11/17/22 11:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.2	0.43	ug/L		11/18/22 08:41	11/21/22 15:19	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/18/22 08:41	11/21/22 15:19	1
Anthracene	ND		5.2	0.29	ug/L		11/18/22 08:41	11/21/22 15:19	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 15:19	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 15:19	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 15:19	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/18/22 08:41	11/21/22 15:19	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/18/22 08:41	11/21/22 15:19	1
Chrysene	ND		5.2	0.34	ug/L		11/18/22 08:41	11/21/22 15:19	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/18/22 08:41	11/21/22 15:19	1
Fluoranthene	ND		5.2	0.42	ug/L		11/18/22 08:41	11/21/22 15:19	1
Fluorene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 15:19	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 15:19	1
Naphthalene	ND		5.2	0.79	ug/L		11/18/22 08:41	11/21/22 15:19	1
Phenanthrene	ND		5.2	0.46	ug/L		11/18/22 08:41	11/21/22 15:19	1
Pyrene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*69*		*46 - 120*	*11/18/22 08:41*	*11/21/22 15:19*	*1*

Client Sample ID: MW-0203

Lab Sample ID: 480-203965-2

Date Collected: 11/15/22 16:35

Matrix: WG

Date Received: 11/16/22 13:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*91*		*48 - 120*	*11/18/22 08:41*	*11/21/22 15:19*	*1*
p-Terphenyl-d14 (Surr)	*115*		*60 - 148*	*11/18/22 08:41*	*11/21/22 15:19*	*1*

Client Sample ID: MW-8604S

Lab Sample ID: 480-203965-3

Date Collected: 11/15/22 16:15

Matrix: WG

Date Received: 11/16/22 13:30

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			11/17/22 12:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 12:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 12:06	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 12:06	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 12:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*11/17/22 12:06*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/17/22 12:06*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/17/22 12:06*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/17/22 12:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**5.7**		5.0	0.41	ug/L		11/18/22 08:41	11/21/22 15:46	1
Acenaphthylene	**0.76**	**J**	5.0	0.38	ug/L		11/18/22 08:41	11/21/22 15:46	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 15:46	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 15:46	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 15:46	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 15:46	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 15:46	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 15:46	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 15:46	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 15:46	1
Fluoranthene	**0.54**	**J**	5.0	0.40	ug/L		11/18/22 08:41	11/21/22 15:46	1
Fluorene	**0.74**	**J**	5.0	0.36	ug/L		11/18/22 08:41	11/21/22 15:46	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 15:46	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 15:46	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 15:46	1
Pyrene	**0.53**	**J**	5.0	0.34	ug/L		11/18/22 08:41	11/21/22 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*67*		*46 - 120*	*11/18/22 08:41*	*11/21/22 15:46*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*11/18/22 08:41*	*11/21/22 15:46*	*1*
p-Terphenyl-d14 (Surr)	*101*		*60 - 148*	*11/18/22 08:41*	*11/21/22 15:46*	*1*

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

Job ID: 480-203965-1

Client Sample ID: MW-8806S

Lab Sample ID: 480-203965-4

Date Collected: 11/15/22 15:05

Matrix: WG

Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.88**	**J**	1.0	0.41	ug/L			11/17/22 12:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 12:29	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 12:29	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 12:29	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 12:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*11/17/22 12:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/17/22 12:29*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*11/17/22 12:29*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*11/17/22 12:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.51**	**J**	5.2	0.43	ug/L		11/18/22 08:41	11/21/22 16:14	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/18/22 08:41	11/21/22 16:14	1
Anthracene	ND		5.2	0.29	ug/L		11/18/22 08:41	11/21/22 16:14	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 16:14	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 16:14	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 16:14	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/18/22 08:41	11/21/22 16:14	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/18/22 08:41	11/21/22 16:14	1
Chrysene	ND		5.2	0.34	ug/L		11/18/22 08:41	11/21/22 16:14	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/18/22 08:41	11/21/22 16:14	1
Fluoranthene	ND		5.2	0.42	ug/L		11/18/22 08:41	11/21/22 16:14	1
Fluorene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 16:14	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 16:14	1
Naphthalene	ND		5.2	0.79	ug/L		11/18/22 08:41	11/21/22 16:14	1
Phenanthrene	ND		5.2	0.46	ug/L		11/18/22 08:41	11/21/22 16:14	1
Pyrene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*11/18/22 08:41*	*11/21/22 16:14*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*11/18/22 08:41*	*11/21/22 16:14*	*1*
p-Terphenyl-d14 (Surr)	*110*		*60 - 148*	*11/18/22 08:41*	*11/21/22 16:14*	*1*

Client Sample ID: MW-9111S

Lab Sample ID: 480-203965-5

Date Collected: 11/15/22 13:00

Matrix: WG

Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**22**		1.0	0.41	ug/L			11/17/22 12:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 12:54	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 12:54	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 12:54	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 12:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 12:54	1

Client Sample ID: MW-9111S

Lab Sample ID: 480-203965-5

Date Collected: 11/15/22 13:00

Matrix: WG

Date Received: 11/16/22 13:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*11/17/22 12:54*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/17/22 12:54*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*11/17/22 12:54*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/17/22 12:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**4.4**	**J**	5.2	0.43	ug/L		11/18/22 08:41	11/21/22 16:43	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/18/22 08:41	11/21/22 16:43	1
Anthracene	ND		5.2	0.29	ug/L		11/18/22 08:41	11/21/22 16:43	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 16:43	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 16:43	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 16:43	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/18/22 08:41	11/21/22 16:43	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/18/22 08:41	11/21/22 16:43	1
Chrysene	ND		5.2	0.34	ug/L		11/18/22 08:41	11/21/22 16:43	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/18/22 08:41	11/21/22 16:43	1
Fluoranthene	ND		5.2	0.42	ug/L		11/18/22 08:41	11/21/22 16:43	1
Fluorene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 16:43	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 16:43	1
Naphthalene	**0.88**	**J**	5.2	0.79	ug/L		11/18/22 08:41	11/21/22 16:43	1
Phenanthrene	ND		5.2	0.46	ug/L		11/18/22 08:41	11/21/22 16:43	1
Pyrene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*11/18/22 08:41*	*11/21/22 16:43*	*1*
2-Fluorobiphenyl	*107*		*48 - 120*	*11/18/22 08:41*	*11/21/22 16:43*	*1*
p-Terphenyl-d14 (Surr)	*118*		*60 - 148*	*11/18/22 08:41*	*11/21/22 16:43*	*1*

Client Sample ID: MW-9112D

Lab Sample ID: 480-203965-6

Date Collected: 11/15/22 10:40

Matrix: WG

Date Received: 11/16/22 13:30

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			11/17/22 13:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 13:17	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 13:17	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 13:17	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 13:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 13:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*11/17/22 13:17*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/17/22 13:17*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/17/22 13:17*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/17/22 13:17*	*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		11/18/22 08:41	11/21/22 17:10	1

Client Sample ID: MW-9112D

Date Collected: 11/15/22 10:40
Date Received: 11/16/22 13:30

Lab Sample ID: 480-203965-6
Matrix: WG

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		11/18/22 08:41	11/21/22 17:10	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 17:10	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 17:10	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 17:10	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 17:10	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 17:10	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 17:10	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 17:10	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 17:10	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 17:10	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 17:10	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 17:10	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 17:10	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 17:10	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*74*		*46 - 120*	*11/18/22 08:41*	*11/21/22 17:10*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*11/18/22 08:41*	*11/21/22 17:10*	*1*
p-Terphenyl-d14 (Surr)	*110*		*60 - 148*	*11/18/22 08:41*	*11/21/22 17:10*	*1*

Client Sample ID: MW-9112S

Date Collected: 11/15/22 09:20
Date Received: 11/16/22 13:30

Lab Sample ID: 480-203965-7
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			11/17/22 13:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 13:40	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 13:40	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 13:40	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 13:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/17/22 13:40*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/17/22 13:40*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/17/22 13:40*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*11/17/22 13:40*	*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		11/18/22 08:41	11/21/22 17:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 17:37	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 17:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 17:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 17:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 17:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 17:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 17:37	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 17:37	1

Client Sample ID: MW-9112S
Lab Sample ID: 480-203965-7

Date Collected: 11/15/22 09:20
Matrix: WG
Date Received: 11/16/22 13:30

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		11/18/22 08:41	11/21/22 17:37	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 17:37	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 17:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 17:37	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 17:37	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 17:37	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*71*		*46 - 120*	*11/18/22 08:41*	*11/21/22 17:37*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*11/18/22 08:41*	*11/21/22 17:37*	*1*
p-Terphenyl-d14 (Surr)	*102*		*60 - 148*	*11/18/22 08:41*	*11/21/22 17:37*	*1*

Client Sample ID: MW-9114S
Lab Sample ID: 480-203965-8

Date Collected: 11/15/22 13:55
Matrix: WG
Date Received: 11/16/22 13:30

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			11/17/22 14:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 14:03	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 14:03	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 14:03	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 14:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*11/17/22 14:03*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/17/22 14:03*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/17/22 14:03*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*11/17/22 14:03*	*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		11/18/22 08:41	11/21/22 18:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 18:05	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 18:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 18:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 18:05	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 18:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 18:05	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 18:05	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:05	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 18:05	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 18:05	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:05	1

Client Sample ID: MW-9114S

Lab Sample ID: 480-203965-8

Date Collected: 11/15/22 13:55

Matrix: WG

Date Received: 11/16/22 13:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*62*		*46 - 120*	*11/18/22 08:41*	*11/21/22 18:05*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*11/18/22 08:41*	*11/21/22 18:05*	*1*
p-Terphenyl-d14 (Surr)	*84*		*60 - 148*	*11/18/22 08:41*	*11/21/22 18:05*	*1*

Client Sample ID: MW-9502S

Lab Sample ID: 480-203965-9

Date Collected: 11/15/22 09:15

Matrix: WG

Date Received: 11/16/22 13:30

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			11/17/22 14:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 14:26	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 14:26	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 14:26	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 14:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*11/17/22 14:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/17/22 14:26*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/17/22 14:26*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*11/17/22 14:26*	*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		11/18/22 08:41	11/21/22 18:32	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 18:32	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 18:32	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:32	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:32	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:32	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 18:32	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 18:32	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 18:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 18:32	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 18:32	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:32	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 18:32	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 18:32	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*70*		*46 - 120*	*11/18/22 08:41*	*11/21/22 18:32*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*11/18/22 08:41*	*11/21/22 18:32*	*1*
p-Terphenyl-d14 (Surr)	*99*		*60 - 148*	*11/18/22 08:41*	*11/21/22 18:32*	*1*

Client Sample ID: PTMW-0202

Lab Sample ID: 480-203965-10

Date Collected: 11/15/22 10:55

Matrix: WG

Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**460**		10	4.1	ug/L			11/18/22 23:32	10
Ethylbenzene	ND		10	7.4	ug/L			11/18/22 23:32	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			11/18/22 23:32	10
o-Xylene	**8.4**	**J**	10	7.6	ug/L			11/18/22 23:32	10
Toluene	ND		10	5.1	ug/L			11/18/22 23:32	10
Xylenes, Total	**8.4**	**J**	20	6.6	ug/L			11/18/22 23:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/18/22 23:32*	*10*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/18/22 23:32*	*10*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/18/22 23:32*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/18/22 23:32*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**60**	**F1**	25	2.1	ug/L		11/18/22 08:41	11/21/22 14:24	5
Acenaphthylene	ND		25	1.9	ug/L		11/18/22 08:41	11/21/22 14:24	5
Anthracene	ND		25	1.4	ug/L		11/18/22 08:41	11/21/22 14:24	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/18/22 08:41	11/21/22 14:24	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/18/22 08:41	11/21/22 14:24	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/18/22 08:41	11/21/22 14:24	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/18/22 08:41	11/21/22 14:24	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/18/22 08:41	11/21/22 14:24	5
Chrysene	ND		25	1.7	ug/L		11/18/22 08:41	11/21/22 14:24	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/18/22 08:41	11/21/22 14:24	5
Fluoranthene	ND		25	2.0	ug/L		11/18/22 08:41	11/21/22 14:24	5
Fluorene	**13**	**J**	25	1.8	ug/L		11/18/22 08:41	11/21/22 14:24	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/18/22 08:41	11/21/22 14:24	5
Naphthalene	**43**	**F1**	25	3.8	ug/L		11/18/22 08:41	11/21/22 14:24	5
Phenanthrene	ND		25	2.2	ug/L		11/18/22 08:41	11/21/22 14:24	5
Pyrene	ND		25	1.7	ug/L		11/18/22 08:41	11/21/22 14:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*46 - 120*	*11/18/22 08:41*	*11/21/22 14:24*	*5*
2-Fluorobiphenyl	*77*		*48 - 120*	*11/18/22 08:41*	*11/21/22 14:24*	*5*
p-Terphenyl-d14 (Surr)	*91*		*60 - 148*	*11/18/22 08:41*	*11/21/22 14:24*	*5*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-203965-11

Date Collected: 11/15/22 00:00

Matrix: WQ

Date Received: 11/16/22 13:30

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			11/17/22 15:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 15:11	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 15:11	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 15:11	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 15:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 15:11	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-203965-11

Date Collected: 11/15/22 00:00
Matrix: WQ
Date Received: 11/16/22 13:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/17/22 15:11*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/17/22 15:11*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/17/22 15:11*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*11/17/22 15:11*	*1*

Client Sample ID: DUP-111522
Lab Sample ID: 480-203965-12

Date Collected: 11/15/22 00:00
Matrix: Water
Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**460**	**E**	1.0	0.41	ug/L			11/17/22 15:34	1
Ethylbenzene	**0.84**	**J**	1.0	0.74	ug/L			11/17/22 15:34	1
m-Xylene & p-Xylene	**2.5**		2.0	0.66	ug/L			11/17/22 15:34	1
o-Xylene	**9.1**		1.0	0.76	ug/L			11/17/22 15:34	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 15:34	1
Xylenes, Total	**12**		2.0	0.66	ug/L			11/17/22 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*83*		*77 - 120*		*11/17/22 15:34*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/17/22 15:34*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 123*		*11/17/22 15:34*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/17/22 15:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**460**		10	4.1	ug/L			11/18/22 23:55	10
Ethylbenzene	ND		10	7.4	ug/L			11/18/22 23:55	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			11/18/22 23:55	10
o-Xylene	**8.6**	**J**	10	7.6	ug/L			11/18/22 23:55	10
Toluene	ND		10	5.1	ug/L			11/18/22 23:55	10
Xylenes, Total	**8.6**	**J**	20	6.6	ug/L			11/18/22 23:55	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/18/22 23:55*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/18/22 23:55*	*10*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/18/22 23:55*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/18/22 23:55*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**79**	**E**	5.0	0.41	ug/L		11/18/22 08:41	11/21/22 18:59	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 18:59	1
Anthracene	**1.3**	**J**	5.0	0.28	ug/L		11/18/22 08:41	11/21/22 18:59	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:59	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:59	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:59	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 18:59	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 18:59	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 18:59	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 18:59	1

Client Sample ID: DUP-111522

Lab Sample ID: 480-203965-12

Date Collected: 11/15/22 00:00

Matrix: Water

Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1.3**	**J**	5.0	0.40	ug/L		11/18/22 08:41	11/21/22 18:59	1
Fluorene	**20**		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:59	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:59	1
Naphthalene	**60**		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 18:59	1
Phenanthrene	**2.2**	**J**	5.0	0.44	ug/L		11/18/22 08:41	11/21/22 18:59	1
Pyrene	**1.3**	**J**	5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*11/18/22 08:41*	*11/21/22 18:59*	*1*
2-Fluorobiphenyl	*109*		*48 - 120*	*11/18/22 08:41*	*11/21/22 18:59*	*1*
p-Terphenyl-d14 (Surr)	*108*		*60 - 148*	*11/18/22 08:41*	*11/21/22 18:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**78**		25	2.1	ug/L		11/18/22 08:41	11/22/22 11:08	5
Acenaphthylene	ND		25	1.9	ug/L		11/18/22 08:41	11/22/22 11:08	5
Anthracene	ND		25	1.4	ug/L		11/18/22 08:41	11/22/22 11:08	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/18/22 08:41	11/22/22 11:08	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/18/22 08:41	11/22/22 11:08	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/18/22 08:41	11/22/22 11:08	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/18/22 08:41	11/22/22 11:08	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/18/22 08:41	11/22/22 11:08	5
Chrysene	ND		25	1.7	ug/L		11/18/22 08:41	11/22/22 11:08	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/18/22 08:41	11/22/22 11:08	5
Fluoranthene	ND		25	2.0	ug/L		11/18/22 08:41	11/22/22 11:08	5
Fluorene	**19**	**J**	25	1.8	ug/L		11/18/22 08:41	11/22/22 11:08	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/18/22 08:41	11/22/22 11:08	5
Naphthalene	**60**		25	3.8	ug/L		11/18/22 08:41	11/22/22 11:08	5
Phenanthrene	**2.3**	**J**	25	2.2	ug/L		11/18/22 08:41	11/22/22 11:08	5
Pyrene	ND		25	1.7	ug/L		11/18/22 08:41	11/22/22 11:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*11/18/22 08:41*	*11/22/22 11:08*	*5*
2-Fluorobiphenyl	*101*		*48 - 120*	*11/18/22 08:41*	*11/22/22 11:08*	*5*
p-Terphenyl-d14 (Surr)	*92*		*60 - 148*	*11/18/22 08:41*	*11/22/22 11:08*	*5*

Client Sample ID: FB-01-111522

Lab Sample ID: 480-203965-13

Date Collected: 11/15/22 12:00

Matrix: Water

Date Received: 11/16/22 13:30

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			11/17/22 15:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 15:57	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 15:57	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 15:57	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 15:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/17/22 15:57*	*1*

Client Sample ID: FB-01-111522

Lab Sample ID: 480-203965-13

Date Collected: 11/15/22 12:00

Matrix: Water

Date Received: 11/16/22 13:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/17/22 15:57*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*11/17/22 15:57*	*1*
Toluene-d8 (Surr)	*86*		*80 - 120*		*11/17/22 15:57*	*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		11/18/22 08:41	11/21/22 19:27	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 19:27	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 19:27	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 19:27	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 19:27	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 19:27	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 19:27	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 19:27	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 19:27	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 19:27	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 19:27	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 19:27	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 19:27	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 19:27	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 19:27	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*11/18/22 08:41*	*11/21/22 19:27*	*1*
2-Fluorobiphenyl	*106*		*48 - 120*	*11/18/22 08:41*	*11/21/22 19:27*	*1*
p-Terphenyl-d14 (Surr)	*131*		*60 - 148*	*11/18/22 08:41*	*11/21/22 19:27*	*1*

Client Sample ID: EB-01-111522

Lab Sample ID: 480-203965-14

Date Collected: 11/15/22 12:10

Matrix: Water

Date Received: 11/16/22 13:30

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			11/17/22 16:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 16:20	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 16:20	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 16:20	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 16:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/17/22 16:20*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/17/22 16:20*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/17/22 16:20*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/17/22 16:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.2	0.43	ug/L		11/18/22 08:41	11/21/22 19:54	1

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

Job ID: 480-203965-1

Client Sample ID: EB-01-111522
Date Collected: 11/15/22 12:10
Date Received: 11/16/22 13:30

Lab Sample ID: 480-203965-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.2	0.40	ug/L		11/18/22 08:41	11/21/22 19:54	1
Anthracene	ND		5.2	0.29	ug/L		11/18/22 08:41	11/21/22 19:54	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 19:54	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 19:54	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 19:54	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/18/22 08:41	11/21/22 19:54	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/18/22 08:41	11/21/22 19:54	1
Chrysene	ND		5.2	0.34	ug/L		11/18/22 08:41	11/21/22 19:54	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/18/22 08:41	11/21/22 19:54	1
Fluoranthene	ND		5.2	0.42	ug/L		11/18/22 08:41	11/21/22 19:54	1
Fluorene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 19:54	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 19:54	1
Naphthalene	ND		5.2	0.79	ug/L		11/18/22 08:41	11/21/22 19:54	1
Phenanthrene	ND		5.2	0.46	ug/L		11/18/22 08:41	11/21/22 19:54	1
Pyrene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*78*		*46 - 120*	*11/18/22 08:41*	*11/21/22 19:54*	*1*
2-Fluorobiphenyl	*98*		*48 - 120*	*11/18/22 08:41*	*11/21/22 19:54*	*1*
p-Terphenyl-d14 (Surr)	*121*		*60 - 148*	*11/18/22 08:41*	*11/21/22 19:54*	*1*

Surrogate Summary

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

Job ID: 480-203965-1

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)
480-203965-12	DUP-111522	83	96	88	89
480-203965-12 - DL	DUP-111522	106	101	103	100
480-203965-13	FB-01-111522	86	92	90	86
480-203965-14	EB-01-111522	86	96	92	89
LCS 480-650394/5	Lab Control Sample	86	96	94	92
LCS 480-650679/6	Lab Control Sample	103	97	103	101
MB 480-650394/7	Method Blank	88	94	92	88
MB 480-650679/8	Method Blank	104	99	104	98

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)
480-203965-1	MW-0201	85	94	93	87
480-203965-2	MW-0203	86	94	91	88
480-203965-3	MW-8604S	85	96	93	89
480-203965-4	MW-8806S	85	95	89	87
480-203965-5	MW-9111S	89	97	96	89
480-203965-6	MW-9112D	87	93	93	89
480-203965-7	MW-9112S	86	96	92	90
480-203965-8	MW-9114S	87	92	92	85
480-203965-9	MW-9502S	88	96	93	87
480-203965-10	PTMW-0202	106	99	104	99
480-203965-10 MS	PTMW-0202	105	98	101	102
480-203965-10 MSD	PTMW-0202	103	98	102	100

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)
480-203965-11	TRIP BLANK	86	92	92	88

Surrogate Legend

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

Surrogate Summary

Client: New York State Electric & Gas
Job ID: 480-203965-1
Project/Site: NYSEG - Oneonta Former MGP

TOL = Toluene-d8 (Surr)

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	(46-120)	(48-120)	(60-148)
480-203965-12	DUP-111522	81	109	108
480-203965-12 - DL	DUP-111522	75	101	92
480-203965-13	FB-01-111522	77	106	131
480-203965-14	EB-01-111522	78	98	121
LCS 480-650626/2-A	Lab Control Sample	81	101	106
MB 480-650626/1-A	Method Blank	77	101	116

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	(46-120)	(48-120)	(60-148)
480-203965-1	MW-0201	62	87	100
480-203965-1 - DL	MW-0201	61	87	98
480-203965-2	MW-0203	69	91	115
480-203965-3	MW-8604S	67	90	101
480-203965-4	MW-8806S	76	100	110
480-203965-5	MW-9111S	79	107	118
480-203965-6	MW-9112D	74	99	110
480-203965-7	MW-9112S	71	93	102
480-203965-8	MW-9114S	62	86	84
480-203965-9	MW-9502S	70	94	99
480-203965-10	PTMW-0202	53	77	91
480-203965-10 MS	PTMW-0202	79	96	96
480-203965-10 MSD	PTMW-0202	83	96	94

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 480-650394/7
Matrix: Water
Analysis Batch: 650394

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			11/17/22 10:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 10:12	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 10:12	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 10:12	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 10:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 10:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*11/17/22 10:12*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/17/22 10:12*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/17/22 10:12*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*11/17/22 10:12*	*1*

Lab Sample ID: LCS 480-650394/5
Matrix: Water
Analysis Batch: 650394

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	24.7		ug/L		99	77 - 123
m-Xylene & p-Xylene	25.0	25.0		ug/L		100	76 - 122
o-Xylene	25.0	25.2		ug/L		101	76 - 122
Toluene	25.0	24.4		ug/L		97	80 - 122
Xylenes, Total	50.0	50.2		ug/L		100	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: MB 480-650679/8
Matrix: Water
Analysis Batch: 650679

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			11/18/22 23:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/18/22 23:10	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/18/22 23:10	1
o-Xylene	ND		1.0	0.76	ug/L			11/18/22 23:10	1
Toluene	ND		1.0	0.51	ug/L			11/18/22 23:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/18/22 23:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*11/18/22 23:10*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/18/22 23:10*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/18/22 23:10*	*1*

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

Lab Sample ID: MB 480-650679/8
Matrix: Water
Analysis Batch: 650679

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		11/18/22 23:10	1

Lab Sample ID: LCS 480-650679/6
Matrix: Water
Analysis Batch: 650679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	25.8		ug/L		103	71 - 124
Ethylbenzene	25.0	25.4		ug/L		102	77 - 123
m-Xylene & p-Xylene	25.0	25.7		ug/L		103	76 - 122
o-Xylene	25.0	26.0		ug/L		104	76 - 122
Toluene	25.0	25.7		ug/L		103	80 - 122
Xylenes, Total	50.0	51.7		ug/L		103	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: 480-203965-10 MS
Matrix: WG
Analysis Batch: 650679

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	460		250	649		ug/L		75	71 - 124
Ethylbenzene	ND		250	253		ug/L		101	77 - 123
m-Xylene & p-Xylene	ND		250	252		ug/L		101	76 - 122
o-Xylene	8.4	J	250	270		ug/L		105	76 - 122
Toluene	ND		250	252		ug/L		101	80 - 122
Xylenes, Total	8.4	J	500	522		ug/L		103	76 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 480-203965-10 MSD
Matrix: WG
Analysis Batch: 650679

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	460		250	670		ug/L		84	71 - 124	3	13
Ethylbenzene	ND		250	256		ug/L		102	77 - 123	1	15
m-Xylene & p-Xylene	ND		250	255		ug/L		102	76 - 122	1	16
o-Xylene	8.4	J	250	266		ug/L		103	76 - 122	1	16
Toluene	ND		250	251		ug/L		101	80 - 122	0	15

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

Lab Sample ID: 480-203965-10 MSD
Matrix: WG
Analysis Batch: 650679

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	8.4	J	500	521		ug/L		103	76 - 122	0	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 480-650626/1-A
Matrix: Water
Analysis Batch: 650797

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 650626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/18/22 08:41	11/21/22 12:34	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 12:34	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 12:34	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 12:34	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 12:34	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 12:34	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 12:34	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 12:34	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 12:34	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 12:34	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 12:34	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 12:34	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 12:34	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 12:34	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 12:34	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 12:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*11/18/22 08:41*	*11/21/22 12:34*	*1*
2-Fluorobiphenyl	*101*		*48 - 120*	*11/18/22 08:41*	*11/21/22 12:34*	*1*
p-Terphenyl-d14 (Surr)	*116*		*60 - 148*	*11/18/22 08:41*	*11/21/22 12:34*	*1*

Lab Sample ID: LCS 480-650626/2-A
Matrix: Water
Analysis Batch: 650797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	29.5		ug/L		92	60 - 120
Acenaphthylene	32.0	29.6		ug/L		93	63 - 120
Anthracene	32.0	32.9		ug/L		103	67 - 120
Benzo[a]anthracene	32.0	30.2		ug/L		94	70 - 121
Benzo[a]pyrene	32.0	30.9		ug/L		97	60 - 123
Benzo[b]fluoranthene	32.0	36.9		ug/L		115	66 - 126

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

Lab Sample ID: LCS 480-650626/2-A
Matrix: Water
Analysis Batch: 650797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[g,h,i]perylene	32.0	32.4		ug/L		101	66 - 150
Benzo[k]fluoranthene	32.0	30.4		ug/L		95	65 - 124
Chrysene	32.0	30.4		ug/L		95	69 - 120
Dibenz(a,h)anthracene	32.0	33.2		ug/L		104	65 - 135
Fluoranthene	32.0	31.6		ug/L		99	69 - 126
Fluorene	32.0	31.1		ug/L		97	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	32.4		ug/L		101	69 - 146
Naphthalene	32.0	29.2		ug/L		91	57 - 120
Phenanthrene	32.0	29.7		ug/L		93	68 - 120
Pyrene	32.0	30.0		ug/L		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*
2-Fluorobiphenyl	*101*		*48 - 120*
p-Terphenyl-d14 (Surr)	*106*		*60 - 148*

Lab Sample ID: 480-203965-10 MS
Matrix: WG
Analysis Batch: 650797

Client Sample ID: PTMW-0202
Prep Type: Total/NA
Prep Batch: 650626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	60	F1	32.0	101	F1	ug/L		129	48 - 120
Acenaphthylene	ND		32.0	30.7		ug/L		96	63 - 120
Anthracene	ND		32.0	34.9		ug/L		109	65 - 122
Benzo[a]anthracene	ND		32.0	30.2		ug/L		94	43 - 124
Benzo[a]pyrene	ND		32.0	30.2		ug/L		94	23 - 125
Benzo[b]fluoranthene	ND		32.0	29.1		ug/L		91	27 - 127
Benzo[g,h,i]perylene	ND		32.0	29.9		ug/L		93	16 - 147
Benzo[k]fluoranthene	ND		32.0	32.9		ug/L		103	20 - 124
Chrysene	ND		32.0	32.2		ug/L		101	44 - 122
Dibenz(a,h)anthracene	ND		32.0	32.0		ug/L		100	16 - 139
Fluoranthene	ND		32.0	34.8		ug/L		109	63 - 129
Fluorene	13	J	32.0	51.3		ug/L		118	62 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	29.4		ug/L		92	16 - 140
Naphthalene	43	F1	32.0	90.8	F1	ug/L		149	45 - 120
Phenanthrene	ND		32.0	32.2		ug/L		101	65 - 122
Pyrene	ND		32.0	33.2		ug/L		104	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*
2-Fluorobiphenyl	*96*		*48 - 120*
p-Terphenyl-d14 (Surr)	*96*		*60 - 148*

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

Lab Sample ID: 480-203965-10 MSD
Matrix: WG
Analysis Batch: 650797

Client Sample ID: PTMW-0202
Prep Type: Total/NA
Prep Batch: 650626

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	60	F1	33.3	103	F1	ug/L		128	48 - 120	1	24
Acenaphthylene	ND		33.3	33.7		ug/L		101	63 - 120	9	18
Anthracene	ND		33.3	35.6		ug/L		107	65 - 122	2	15
Benzo[a]anthracene	ND		33.3	32.1		ug/L		96	43 - 124	6	15
Benzo[a]pyrene	ND		33.3	31.3		ug/L		94	23 - 125	4	15
Benzo[b]fluoranthene	ND		33.3	30.4		ug/L		91	27 - 127	4	15
Benzo[g,h,i]perylene	ND		33.3	33.0		ug/L		99	16 - 147	10	15
Benzo[k]fluoranthene	ND		33.3	35.7		ug/L		107	20 - 124	8	22
Chrysene	ND		33.3	33.9		ug/L		102	44 - 122	5	15
Dibenz(a,h)anthracene	ND		33.3	29.8		ug/L		89	16 - 139	7	15
Fluoranthene	ND		33.3	35.2		ug/L		106	63 - 129	1	15
Fluorene	13	J	33.3	49.3		ug/L		107	62 - 120	4	15
Indeno[1,2,3-cd]pyrene	ND		33.3	31.2		ug/L		93	16 - 140	6	15
Naphthalene	43	F1	33.3	91.8	F1	ug/L		147	45 - 120	1	29
Phenanthrene	ND		33.3	33.8		ug/L		101	65 - 122	5	15
Pyrene	ND		33.3	33.8		ug/L		102	58 - 128	2	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*83*		*46 - 120*
2-Fluorobiphenyl	*96*		*48 - 120*
p-Terphenyl-d14 (Surr)	*94*		*60 - 148*

GC/MS VOA

Analysis Batch: 650394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-203965-1	MW-0201	Total/NA	WG	8260C	
480-203965-2	MW-0203	Total/NA	WG	8260C	
480-203965-3	MW-8604S	Total/NA	WG	8260C	
480-203965-4	MW-8806S	Total/NA	WG	8260C	
480-203965-5	MW-9111S	Total/NA	WG	8260C	
480-203965-6	MW-9112D	Total/NA	WG	8260C	
480-203965-7	MW-9112S	Total/NA	WG	8260C	
480-203965-8	MW-9114S	Total/NA	WG	8260C	
480-203965-9	MW-9502S	Total/NA	WG	8260C	
480-203965-11	TRIP BLANK	Total/NA	WQ	8260C	
480-203965-12	DUP-111522	Total/NA	Water	8260C	
480-203965-13	FB-01-111522	Total/NA	Water	8260C	
480-203965-14	EB-01-111522	Total/NA	Water	8260C	
MB 480-650394/7	Method Blank	Total/NA	Water	8260C	
LCS 480-650394/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 650679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-203965-10	PTMW-0202	Total/NA	WG	8260C	
480-203965-12 - DL	DUP-111522	Total/NA	Water	8260C	
MB 480-650679/8	Method Blank	Total/NA	Water	8260C	
LCS 480-650679/6	Lab Control Sample	Total/NA	Water	8260C	
480-203965-10 MS	PTMW-0202	Total/NA	WG	8260C	
480-203965-10 MSD	PTMW-0202	Total/NA	WG	8260C	

GC/MS Semi VOA

Prep Batch: 650626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-203965-1	MW-0201	Total/NA	WG	3510C	
480-203965-1 - DL	MW-0201	Total/NA	WG	3510C	
480-203965-2	MW-0203	Total/NA	WG	3510C	
480-203965-3	MW-8604S	Total/NA	WG	3510C	
480-203965-4	MW-8806S	Total/NA	WG	3510C	
480-203965-5	MW-9111S	Total/NA	WG	3510C	
480-203965-6	MW-9112D	Total/NA	WG	3510C	
480-203965-7	MW-9112S	Total/NA	WG	3510C	
480-203965-8	MW-9114S	Total/NA	WG	3510C	
480-203965-9	MW-9502S	Total/NA	WG	3510C	
480-203965-10	PTMW-0202	Total/NA	WG	3510C	
480-203965-12 - DL	DUP-111522	Total/NA	Water	3510C	
480-203965-12	DUP-111522	Total/NA	Water	3510C	
480-203965-13	FB-01-111522	Total/NA	Water	3510C	
480-203965-14	EB-01-111522	Total/NA	Water	3510C	
MB 480-650626/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-650626/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-203965-10 MS	PTMW-0202	Total/NA	WG	3510C	
480-203965-10 MSD	PTMW-0202	Total/NA	WG	3510C	

GC/MS Semi VOA

Analysis Batch: 650797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-203965-1	MW-0201	Total/NA	WG	8270D	650626
480-203965-2	MW-0203	Total/NA	WG	8270D	650626
480-203965-3	MW-8604S	Total/NA	WG	8270D	650626
480-203965-4	MW-8806S	Total/NA	WG	8270D	650626
480-203965-5	MW-9111S	Total/NA	WG	8270D	650626
480-203965-6	MW-9112D	Total/NA	WG	8270D	650626
480-203965-7	MW-9112S	Total/NA	WG	8270D	650626
480-203965-8	MW-9114S	Total/NA	WG	8270D	650626
480-203965-9	MW-9502S	Total/NA	WG	8270D	650626
480-203965-10	PTMW-0202	Total/NA	WG	8270D	650626
480-203965-12	DUP-111522	Total/NA	Water	8270D	650626
480-203965-13	FB-01-111522	Total/NA	Water	8270D	650626
480-203965-14	EB-01-111522	Total/NA	Water	8270D	650626
MB 480-650626/1-A	Method Blank	Total/NA	Water	8270D	650626
LCS 480-650626/2-A	Lab Control Sample	Total/NA	Water	8270D	650626
480-203965-10 MS	PTMW-0202	Total/NA	WG	8270D	650626
480-203965-10 MSD	PTMW-0202	Total/NA	WG	8270D	650626

Analysis Batch: 650927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-203965-1 - DL	MW-0201	Total/NA	WG	8270D	650626
480-203965-12 - DL	DUP-111522	Total/NA	Water	8270D	650626

Lab Chronicle

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

Job ID: 480-203965-1

Client Sample ID: MW-0201

Lab Sample ID: 480-203965-1

Date Collected: 11/15/22 12:05

Matrix: WG

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 11:20
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 14:52
Total/NA	Prep	3510C	DL		650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D	DL	10	650927	JMM	EET BUF	11/22/22 12:03

Client Sample ID: MW-0203

Lab Sample ID: 480-203965-2

Date Collected: 11/15/22 16:35

Matrix: WG

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 11:47
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 15:19

Client Sample ID: MW-8604S

Lab Sample ID: 480-203965-3

Date Collected: 11/15/22 16:15

Matrix: WG

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 12:06
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 15:46

Client Sample ID: MW-8806S

Lab Sample ID: 480-203965-4

Date Collected: 11/15/22 15:05

Matrix: WG

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 12:29
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 16:14

Client Sample ID: MW-9111S

Lab Sample ID: 480-203965-5

Date Collected: 11/15/22 13:00

Matrix: WG

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 12:54
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 16:43

Client Sample ID: MW-9112D

Lab Sample ID: 480-203965-6

Date Collected: 11/15/22 10:40

Matrix: WG

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 13:17
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 17:10

Client Sample ID: MW-9112S

Lab Sample ID: 480-203965-7

Date Collected: 11/15/22 09:20

Matrix: WG

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 13:40
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 17:37

Client Sample ID: MW-9114S

Lab Sample ID: 480-203965-8

Date Collected: 11/15/22 13:55

Matrix: WG

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 14:03
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 18:05

Client Sample ID: MW-9502S

Lab Sample ID: 480-203965-9

Date Collected: 11/15/22 09:15

Matrix: WG

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 14:26
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 18:32

Client Sample ID: PTMW-0202

Lab Sample ID: 480-203965-10

Date Collected: 11/15/22 10:55

Matrix: WG

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	650679	CR	EET BUF	11/18/22 23:32
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		5	650797	JMM	EET BUF	11/21/22 14:24

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-203965-11

Date Collected: 11/15/22 00:00

Matrix: WQ

Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 15:11

Lab Chronicle

Client: New York State Electric & Gas
Job ID: 480-203965-1
Project/Site: NYSEG - Oneonta Former MGP

Client Sample ID: DUP-111522
Lab Sample ID: 480-203965-12
Date Collected: 11/15/22 00:00
Matrix: Water
Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 15:34
Total/NA	Analysis	8260C	DL	10	650679	CR	EET BUF	11/18/22 23:55
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 18:59
Total/NA	Prep	3510C	DL		650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D	DL	5	650927	JMM	EET BUF	11/22/22 11:08

Client Sample ID: FB-01-111522
Lab Sample ID: 480-203965-13
Date Collected: 11/15/22 12:00
Matrix: Water
Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 15:57
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 19:27

Client Sample ID: EB-01-111522
Lab Sample ID: 480-203965-14
Date Collected: 11/15/22 12:10
Matrix: Water
Date Received: 11/16/22 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	650394	CB	EET BUF	11/17/22 16:20
Total/NA	Prep	3510C			650626	MS	EET BUF	11/18/22 08:41
Total/NA	Analysis	8270D		1	650797	JMM	EET BUF	11/21/22 19:54

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: 480-203965-1
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	03-31-23

Method Summary

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

Job ID: 480-203965-1

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: 480-203965-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-203965-1	MW-0201	WG	11/15/22 12:05	11/16/22 13:30
480-203965-2	MW-0203	WG	11/15/22 16:35	11/16/22 13:30
480-203965-3	MW-8604S	WG	11/15/22 16:15	11/16/22 13:30
480-203965-4	MW-8806S	WG	11/15/22 15:05	11/16/22 13:30
480-203965-5	MW-9111S	WG	11/15/22 13:00	11/16/22 13:30
480-203965-6	MW-9112D	WG	11/15/22 10:40	11/16/22 13:30
480-203965-7	MW-9112S	WG	11/15/22 09:20	11/16/22 13:30
480-203965-8	MW-9114S	WG	11/15/22 13:55	11/16/22 13:30
480-203965-9	MW-9502S	WG	11/15/22 09:15	11/16/22 13:30
480-203965-10	PTMW-0202	WG	11/15/22 10:55	11/16/22 13:30
480-203965-11	TRIP BLANK	WQ	11/15/22 00:00	11/16/22 13:30
480-203965-12	DUP-111522	Water	11/15/22 00:00	11/16/22 13:30
480-203965-13	FB-01-111522	Water	11/15/22 12:00	11/16/22 13:30
480-203965-14	EB-01-111522	Water	11/15/22 12:10	11/16/22 13:30

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: Carson Fenhagen & Kaitlyn Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-179087-37584.1
Client Contact: Ryan Clare	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	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):			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4505261722			
Email: Ryan.Clare@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

480-203965 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 Number of	Special Instructions/Note:
			Preservation Code:				N	A		
MW-8604S	11/15/22	1015	G	Water	N	N	X	X	5	
MW-9114S	11/15/22	1355	G	Water	N	N	X	X	5	
MW-8806S	11/15/22	1505	G	Water	N	N	X	X	5	
MW-0201	11/15/22	1205	G	Water	N	N	X	X	5	
MW-9111S	11/15/22	1300	G	Water	N	N	X	X	5	
MW-0203	11/15/22	1635	G	Water	N	N	X	X	5	
MW-9112S	11/15/22	0920	G	Water	N	N	X	X	5	
MW-9112D	11/15/22	1040	G	Water	N	N	X	X	5	
MW-9502S	11/15/22	0915	G	Water	N	N	X	X	5	
PTMW-0202	11/15/22	1055	G	Water	N	Y	X	X	5	
DUP - 111522	11/15/22	—	G	Water	N	N	X	X	5	

15 X MS/MSD

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
	Kaitlyn Fleming	11/16/22 1330	Arcadis			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	11-16-22 1330	TAB

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

Cooler Temperature(s) °C and Other Remarks: 3.1, 2.8 #1 ICE

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:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-179087-37584.2
Client Contact: Ryan Clare	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	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):			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4505261722			
Email: Ryan.Clare@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
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:				N	A		
				Water						
				Water						
				Water						
TRIP BLNK	—	—	—	Water	N	N		X	1	
~~FIELD BLANK~~ FB-01-111522	11/15/22	1200	G	Water	N	N	X	X	5	
~~EQUIPMENT BLANK~~ EB-01-111522	11/15/22	1210	G	Water	N	N	X	X	5	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Kathryn Fenn	11/16/22 1330	Arcadis			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11-16-22 1330	Company TAS

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: 480-203965-1

Login Number: 203965

List Source: Eurofins Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	3.1 2.8 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Eurofins Buffalo

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

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Authorization

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Appendix C

DUSRs

NYSEG Oneonta Former MGP Site

Data Usability Summary Report

Oneonta, New York

Volatile Organic Compound (VOC), Semi-volatile Organic Compound (SVOC), and Perfluoroalkyl Substances (PFAS) Analyses

SDG # 480-198411-1

Analyses Performed By:
Eurofins Buffalo
Amherst, New York

Report # 46013R
Review Level: Tier III
Project: 30126801.2

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) # 480-198411-1 for samples collected in association with the NYSEG Oneonta 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	PFAS
MW-0201	480-198411-1	Water	5/24/2022		X	X	
MW-0203	480-198411-2	Water	5/24/2022		X	X	
MW-8604S	480-198411-3	Water	5/24/2022		X	X	
MW-8806S	480-198411-4	Water	5/24/2022		X	X	
MW-9111S	480-198411-5	Water	5/25/2022		X	X	X
MW-9112D	480-198411-6	Water	5/24/2022		X	X	
MW-9112S	480-198411-7	Water	5/24/2022		X	X	
MW-9114S	480-198411-8	Water	5/24/2022		X	X	
MW-9502S	480-198411-9	Water	5/24/2022		X	X	
PTMW-0202	480-198411-10	Water	5/25/2022		X	X	
TRIP BLANK	480-198411-11	Water	5/17/2022		X		
DUP-052522	480-198411-12	Water	5/25/2022	PTMW-0202	X	X	
FB-01-052522	480-198411-13	Water	5/25/2022		X	X	
EB-01-052522	480-198411-14	Water	5/25/2022		X	X	
DUP-PFAS-052522	480-198411-15	Water	5/25/2022	MW-9111S			X
FB-02-052522	480-198411-16	Water	5/25/2022				X
EB-02-052522	480-198411-17	Water	5/25/2022				X

Notes:

VOC = Volatile Organic Compounds

SVOC = Semi-volatile Organic Compounds

PFAS = Polyfluoroalkyl Substances

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

1) For samples MW-9111S, PTMW-0202, DUP-052522, sampling dates were mentioned as 05/24/22 in laboratory report. The sampling dates were corrected as 05/25/22 as mentioned in COC.
2) For sample TRIP BLANK, sampling date was mentioned as 05/24/22 in laboratory report. The sampling date was corrected as 05/17/22 as mentioned in COC.

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260C, 8270D and Modified Method 537. 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, Guidelines for sampling and Analysis of PFAS, NYSDEC, January 2021. The forementioned documents were followed for qualification purposes.

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

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

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

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u. with hydrochloric acid.

Note:
s.u. = standard units

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the initial calibrations were within the specified control limits.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the continuing calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on sample PTMW-0202. The MS/MSD analysis exhibited acceptable recoveries and RPDs.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field

duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound	Sample Result (µg/L)	Duplicate Result (µg/L)	RPD
PTMW-0202/DUP-052522	Benzene	16	14	13%

The calculated differences between the parent and field duplicate sample were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial calibration %Ds		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = Relative standard deviation
%R = Percent recovery
RPD = Relative percent difference
%D = Percent difference

Semi-volatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270D	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the initial calibrations were within the specified control limits.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the continuing calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that two of the three SVOC surrogate compounds within each fraction exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on samples where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on sample PTMW-0202. The MS/MSD analysis exhibited acceptable recoveries and RPDs with the exceptions noted in the table below.

Sample ID	Compound
PTMW-0202	Dibenz(a,h)anthracene

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.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound	Sample Result (µg/L)	Duplicate Result (µg/L)	RPD
PTMW-0202/DUP-052522	Acenaphthene	34	30	AC
	Anthracene	26 U	0.43 J	AC
	Fluoranthene	26 U	0.52 J	AC
	Fluorene	5.5 J	5.3	AC
	Pyrene	26 U	0.52 J	AC

Notes:
U = non detect
AC = acceptable

The calculated differences between the parent and field duplicate sample were acceptable.

10. Compound Identification

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial calibration %Ds		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) ANALYSIS

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
USEPA modified Method 537	Water	14 days to extraction; 28 days from extraction to analysis	Cool to <6 °C

The holding time has been changed from the original holding time documented in EPA 537 and by the NYSDEC is 14 days to extraction hold time that has now been changed to 28 days. This was documented in EPA Technical Brief EPA/600/F-17/022h Updated January 2020. Utilizing the new guidance of 28 days all samples were analyzed within the specified holding time criteria.

The original analysis of all samples were analyzed within the specified holding time criteria. Samples DUP-PFAS-052522 and FB-02-052522 were re-extracted 5 days beyond the holding time of 14 days due to QA/QC issues documented below. The samples were not qualified due to this exceedance.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method, instrument, and equipment rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Instrument blanks measure carryover in the instrument from one sample to another. Method blanks measure laboratory contamination. Equipment rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of ten times the concentration of a detected compound in an associated blank 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.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample ID	Analytes	Sample Result	Qualification
MW-9111S	Perfluorohexanoic acid (FB)	Detected sample results <RL and <BAL	“UB” at the RL
DUP-PFAS-052522	Perfluorohexanoic acid (FB)	Detected sample results <RL and <BAL	“UB” at the RL

Note:

FB = field blank

RL = reporting limit

3. Mass Calibration

Mass calibration and system performance 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 percent relative standard deviation (%RSD) of the response factors (RF) must be less than 20%, or for linear calibration, $r^2 \geq 0.99$. Analytes must be within 70-130% of their true value for each calibration standard.

All compounds associated with initial calibration were within the 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 of 30%.

All compounds associated with CCV %D were within control limits.

5. Isotopically labeled Standards

5.1 Extracted Internal Standards (EIS)

Labeled standards must be added to all field samples and QC samples prior to extraction. EIS recoveries must be within 50% to 150% of ICAL midpoint standard area or area measured in the initial CCV on days when ICAL not performed.

Samples associated with EIS exhibiting recoveries outside of the control limits are presented in the following table.

Sample ID	EIS	Associated Compounds	%R
MW-9111S	13C2 PFTeDA	Perfluorotetradecanoic acid (PFTeA)	< 10
	13C2-PFDoDA	Perfluorododecanoic acid (PFDoA)	< 10
	13C7 PFUnA	Perfluoroundecanoic acid (PFUnA)	< 25% but > 10%
	13C8 FOSA	Perfluorooctanesulfonamide (PFOSA)	< 25% but > 10%
	d5-NEtFOSAA	NMeFOSAA	< 25% but > 10%
DUP-PFAS-052522	13C2 PFTeDA	Perfluorotetradecanoic acid (PFTeA)	< 10
	13C2-PFDoDA	Perfluorododecanoic acid (PFDoA)	< 10
	13C7 PFUnA	Perfluoroundecanoic acid (PFUnA)	< 25% but > 10%
	13C8 FOSA	Perfluorooctanesulfonamide (PFOSA)	< 25% but > 10%
	d5-NEtFOSAA	NMeFOSAA	< 25% but > 10%

Note: Sample DUP-PFAS-052522 was re-extracted outside of the NYSDEC technical holding time due to the EIS performance issues. Sample MW-9111S was not re-extracted due to the EIS performance issues since the MS/MSD was also performed on this sample and exhibited the same the EIS performance issues. The site location MW-9111S is the parent sample of DUP-PFAS-052522. Therefore, the analysis was performed on the same site location MW-9111S five tines including the QA/QC analysis of the MS/MSD and the retraction of DUP-PFAS-052522. The analysis of the sample DUP-PFAS-052522 was reported from the original extraction (6/6/22) and analysis of 6/9/022 since the parent sample and the MS/MSD also performed on this date and exhibited the same EIS recovery issues.

The criteria used to evaluate the EIS recoveries are presented in the following table. In the case of an EIS deviation, the sample results associated with the EIS are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> 150%	Non-detect	No Action
	Detect	J
< 25% but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

5.2 Injection Internal Standards

Injection internal standards must be added to the aliquot of sample dilutions, QC samples, and standards just prior to analysis. Peak areas must be within -50% to +50% of the area measured in the ICAL midpoint standard. When an ICAL is not performed, the peak areas must be within -50% to +50% of the peak area measured in daily initial CCV.

Samples associated with internal standards exhibited acceptable responses.

6. 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 70-130%. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within 30%.

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.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table

Sample ID	Compound	MS Recovery	MSD Recovery
MW-9111S/ DUP-PFAS-052522	Perfluorodecanesulfonic acid	< 70% but > 10%	< 70% but > 10%
	Perfluorotridecanoic acid	< 70% but > 10%	< 70% but > 10%

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

Control Limit	Sample Result	Qualification
> 130	Non-detect	No Action
	Detect	J
< 70% but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

Control Limit	Sample Result	Qualification
SR>4X: Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within 70-130%. The relative percent difference (RPD) between the LCS/LCSSD recoveries must exhibit an RPD within 30%.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

8. 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 LOQ, a control limit of two times the LOQ is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Compound	Sample Result (ng/L)	Duplicate Result (ng/L)	RPD
MW-9111S/ DUP-PFAS-052522	Perfluorobutanesulfonic acid	1.4 J	1.7	AC
	Perfluoroheptanesulfonic acid	0.86 J	0.76 J	AC
	Perfluoroheptanoic acid	0.47 J	1.7 U	AC
	Perfluorohexanesulfonic acid	22	22	0%
	Perfluorooctanesulfonic acid	27	28	4%
	Perfluorooctanoic acid	1.8	2.0	10%
	Perfluoropentanoic acid	0.58 J	0.83 J	AC

Note:
U = Non detect
AC = Acceptable

The calculated differences between the parent and field duplicate sample were acceptable.

9. Compound Identification

PFC analytes are identified by using the compound's ion abundance ratios, signal-to-noise values, and relative retention times.

All identified compounds met method criteria.

10. 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 PFAS

PFAS: USEPA modified Method 537	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
LIQUID CHROMATOGRAPHY/MASS SPECTROMETRY (LC/MS/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks		X		X	
C. Field blanks		X	X		
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate (MSD) %R		X	X		
MS/MSD Precision (RPD)		X		X	
Field Duplicate (RPD)		X		X	
Extracted Internal Standard %R		X	X		
Injection Internal Standard %R		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
Instrument tune and performance check		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
Instrument sensitivity check		X		X	
Ion transitions used		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Ion Ratio %R		X		X	

PFAS: USEPA modified Method 537	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
LIQUID CHROMATOGRAPHY/MASS SPECTROMETRY (LC/MS/MS)					
E. Transcription/calculations acceptable		X		X	
F. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

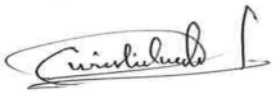
SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	PFAS	
480-198411-1	5/24/2022	SW846	MW-0201	Water	Yes	Yes	--	--
	5/24/2022	SW846	MW-0203	Water	Yes	Yes	--	--
	5/24/2022	SW846	MW-8604S	Water	Yes	Yes	--	--
	5/24/2022	SW846	MW-8806S	Water	Yes	Yes	--	--
	5/25/2022	SW846	MW-9111S	Water	Yes	Yes	No	PFAS –Isotope Dilution, MS/MSD %R, Field Blank
	5/24/2022	SW846	MW-9112D	Water	Yes	Yes	--	--
	5/24/2022	SW846	MW-9112S	Water	Yes	Yes	--	--
	5/24/2022	SW846	MW-9114S	Water	Yes	Yes	--	--
	5/24/2022	SW846	MW-9502S	Water	Yes	Yes	--	--
	5/24/2022	SW846	PTMW-0202	Water	Yes	No	--	SVOC – MS/MSD %R
	5/17/2022	SW846	TRIP BLANK	Water	Yes	--	--	--
	5/25/2022	SW846	DUP-052522	Water	Yes	No	Yes	SVOC – MS/MSD %R
	5/25/2022	SW846	FB-01-052522	Water	Yes	Yes	--	--
	5/25/2022	SW846	EB-01-052522	Water	Yes	Yes	--	--
	5/25/2022	SW846	DUP-PFAS-052522	Water	--	--	No	PFAS – Isotope Dilution, MS/MSD %R, Field Blank
	5/25/2022	SW846	FB-02-052522	Water	--	--	Yes	
	5/25/2022	SW846	EB-02-052522	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: Hrishikesh Upadhyaya

SIGNATURE: 

DATE: June 24, 2022

PEER REVIEW: Joe Houser

DATE: July 22, 2022

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 America

Client Information	Sampler: A. Svensson, K. Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-174233-37584.1
Client Contact: Ryan Clare	Phone: 716-909-9063	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):			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone: 585-880-7747	PO #: 4505261722			
Email: Ryan.Clare@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

480-198411 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	PFC_IDA - NY 21 PFAS	Total Number of conta	Special Instructions/Note:
			Preservation Code:				N	A	N		
MW-8604S	5/24/22	1240	G	Water	N		X	X		5	
MW-9114S	5/24/22	1510	G	Water	N		X	X		5	
MW-8806S	5/24/22	1000	G	Water	N		X	X		5	
MW-0201	5/24/22	1445	G	Water	N		X	X		5	
MW-9111S	5/25/22	0850	G	Water	N	Y	X	X	X	11	
MW-0203	5/24/22	0900	G	Water	N		X	X		5	
MW-9112S	5/24/22	1255	G	Water	N		X	X		5	
MW-9112D	5/24/22	1350	G	Water	N		X	X		5	
MW-9502S	5/24/22	1025	G	Water	N		X	X		5	
PTMW-0202	5/25/22	0815	G	Water	N	Y	X	X		15	
DUP-052522	5/25/22	—	G	Water	N		X	X		5	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Adam Svensson /ANA	5/26/22 1200			5/27/22 1000	TVT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 2.9 3.1 2.4 # 1 ICE

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 America

Client Information	Sampler: A. Svensson, K. Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-174233-37584.2
Client Contact: Ryan Clare	Phone: 716-909-9063	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):			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone: 585-880-7747	PO #: 4505261722			
Email: Ryan.Clare@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
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	PFC_IDA - NY 21 PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	N		
FB-01-052522	5/25/22	0945	G	Water	N		X	X		5	
EB-01-052522	5/25/22	1010	G	Water	N		X	X		5	
DUP-PFAS-052522	5/25/22	—	G	Water	N				X	2	
TRIP BLNK	5/17/22	—	G	Water	N		X			1	
FIELD BLANK FB-02-052522	5/25/22	1020	G	Water	N				X	2	
EQUIPMENT BLANK EB-02-052522	5/25/22	1030	G	Water	N				X	2	

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
Adam Svensson	5/26/22 1200	ANA	PSL		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 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 America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-72691.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 480-198411-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/13/2022			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601	PO #			
Phone: 717-656-2300(Tel)	WO #			
Email:	Project #: 48004125			
Project Name: NYSEG - Oneonta Former MGP	SSOW#:			
Site: NYSEG - Oneonta Former MGP				

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify), Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	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)	PFC_IDA/3535_PFC NY 21 PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-9111S (480-198411-5)	5/24/22	08:50 Eastern		Water			X	2	
MW-9111S (480-198411-5MS)	5/24/22	08:50 Eastern	MS	Water			X	2	
MW-9111S (480-198411-5MSD)	5/24/22	08:50 Eastern	MSD	Water			X	2	
DUP-PFAS-052522 (480-198411-15)	5/25/22	Eastern		Water			X	2	
FB-02-052522 (480-198411-16)	5/25/22	10:20 Eastern		Water			X	2	
EB-02-052522 (480-198411-17)	5/25/22	10:30 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	5/31/22 1700	TA			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	6/1/22 1118	ECET

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.8

Ver: 06/08/2021

Client Sample ID: MW-0201

Date Collected: 05/24/22 14:45
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-1

Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**98**		2.0	0.82	ug/L			06/02/22 04:24	2
Ethylbenzene	**69**		2.0	1.5	ug/L			06/02/22 04:24	2
m-Xylene & p-Xylene	**13**		4.0	1.3	ug/L			06/02/22 04:24	2
o-Xylene	**48**		2.0	1.5	ug/L			06/02/22 04:24	2
Toluene	**2.9**		2.0	1.0	ug/L			06/02/22 04:24	2
Xylenes, Total	**61**		4.0	1.3	ug/L			06/02/22 04:24	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/02/22 04:24*	*2*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*06/02/22 04:24*	*2*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/02/22 04:24*	*2*
Toluene-d8 (Surr)	*109*		*80 - 120*		*06/02/22 04:24*	*2*

Method: 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		05/31/22 09:32	06/01/22 18:26	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 18:26	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 18:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 18:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 18:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 18:26	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 18:26	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 18:26	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 18:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 18:26	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 18:26	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 18:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 18:26	1
Naphthalene	**4.6**	**J**	5.0	0.76	ug/L		05/31/22 09:32	06/01/22 18:26	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 18:26	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*89*		*46 - 120*	*05/31/22 09:32*	*06/01/22 18:26*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*05/31/22 09:32*	*06/01/22 18:26*	*1*
p-Terphenyl-d14 (Surr)	*54*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 18:26*	*1*

Client Sample ID: MW-0203

Date Collected: 05/24/22 09:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-2

Matrix: WG

Method: 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			06/02/22 04:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 04:46	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 04:46	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 04:46	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 04:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 04:46	1

Client Sample ID: MW-0203

Date Collected: 05/24/22 09:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-2

Matrix: WG

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/02/22 04:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/02/22 04:46*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/02/22 04:46*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/02/22 04:46*	*1*

Method: 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		05/31/22 09:32	06/01/22 18:54	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 18:54	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 18:54	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 18:54	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 18:54	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 18:54	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 18:54	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 18:54	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 18:54	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 18:54	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 18:54	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 18:54	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 18:54	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 18:54	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 18:54	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*98*		*46 - 120*	*05/31/22 09:32*	*06/01/22 18:54*	*1*
2-Fluorobiphenyl	*110*		*48 - 120*	*05/31/22 09:32*	*06/01/22 18:54*	*1*
p-Terphenyl-d14 (Surr)	*70*		*60 - 148*	*05/31/22 09:32*	*06/01/22 18:54*	*1*

Client Sample ID: MW-8604S

Date Collected: 05/24/22 12:40
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-3

Matrix: WG

Method: 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			06/02/22 05:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 05:09	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 05:09	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 05:09	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 05:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/02/22 05:09*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/02/22 05:09*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/02/22 05:09*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/02/22 05:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**5.2**		5.0	0.41	ug/L		05/31/22 09:32	06/01/22 19:22	1

Client Sample ID: MW-8604S

Date Collected: 05/24/22 12:40
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-3
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**0.43**	**J**	5.0	0.38	ug/L		05/31/22 09:32	06/01/22 19:22	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 19:22	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 19:22	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 19:22	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 19:22	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 19:22	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 19:22	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 19:22	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 19:22	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 19:22	1
Fluorene	**1.2**	**J**	5.0	0.36	ug/L		05/31/22 09:32	06/01/22 19:22	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 19:22	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 19:22	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 19:22	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*99*		*46 - 120*	*05/31/22 09:32*	*06/01/22 19:22*	*1*
2-Fluorobiphenyl	*106*		*48 - 120*	*05/31/22 09:32*	*06/01/22 19:22*	*1*
p-Terphenyl-d14 (Surr)	*68*		*60 - 148*	*05/31/22 09:32*	*06/01/22 19:22*	*1*

Client Sample ID: MW-8806S

Date Collected: 05/24/22 10:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-4
Matrix: WG

Method: 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			06/02/22 05:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 05:31	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 05:31	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 05:31	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 05:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/02/22 05:31*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*06/02/22 05:31*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/02/22 05:31*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/02/22 05:31*	*1*

Method: 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		05/31/22 09:32	06/01/22 19:50	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 19:50	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 19:50	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 19:50	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 19:50	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 19:50	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 19:50	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 19:50	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 19:50	1

Client Sample ID: MW-8806S

Date Collected: 05/24/22 10:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-4
Matrix: WG

Method: 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		05/31/22 09:32	06/01/22 19:50	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 19:50	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 19:50	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 19:50	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 19:50	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 19:50	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*93*		*46 - 120*	*05/31/22 09:32*	*06/01/22 19:50*	*1*
2-Fluorobiphenyl	*102*		*48 - 120*	*05/31/22 09:32*	*06/01/22 19:50*	*1*
p-Terphenyl-d14 (Surr)	*61*		*60 - 148*	*05/31/22 09:32*	*06/01/22 19:50*	*1*

Client Sample ID: MW-9111S

Date Collected: 05/24/22 08:50
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-5
Matrix: WG

Method: 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			06/02/22 05:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 05:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 05:53	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 05:53	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 05:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/02/22 05:53*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/02/22 05:53*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/02/22 05:53*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/02/22 05:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**3.3**	**J**	5.0	0.41	ug/L		05/31/22 09:32	06/01/22 20:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 20:18	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 20:18	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 20:18	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 20:18	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 20:18	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 20:18	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 20:18	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 20:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 20:18	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 20:18	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 20:18	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 20:18	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 20:18	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 20:18	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 20:18	1

Client Sample ID: MW-9111S

Date Collected: 05/24/22 08:50
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-5

Matrix: WG

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	92		46 - 120	05/31/22 09:32	06/01/22 20:18	1
2-Fluorobiphenyl	103		48 - 120	05/31/22 09:32	06/01/22 20:18	1
p-Terphenyl-d14 (Surr)	55	S1-	60 - 148	05/31/22 09:32	06/01/22 20:18	1

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		4.3	1.7	ng/L		06/06/22 09:16	06/08/22 19:45	1
8:2 Fluorotelomer sulfonic acid	ND		2.6	0.87	ng/L		06/06/22 09:16	06/08/22 19:45	1
NEtFOSAA	ND		2.6	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
NMeFOSAA	ND	UJ	1.7	0.52	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorobutanesulfonic acid	**1.4**	**J**	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorobutanoic acid	ND		4.3	1.7	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorodecanesulfonic acid	ND	~~F1~~ UJ	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorodecanoic acid	ND		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
~~Perfluorododecanoic acid~~	~~ND~~		~~1.7~~	~~0.43~~	~~ng/L~~		~~06/06/22 09:16~~	~~06/08/22 19:45~~	R 1
Perfluoroheptanesulfonic acid	**0.86**	**J**	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluoroheptanoic acid	**0.47**	**J**	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorohexanesulfonic acid	**22**		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorohexanoic acid	~~1.0~~	~~J~~ 1.7 UB	~~1.7~~	~~0.43~~	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorononanoic acid	ND		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorooctanesulfonamide	ND	UJ	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorooctanesulfonic acid	**27**		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluorooctanoic acid	**1.8**		1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluoropentanoic acid	**0.58**	**J**	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
~~Perfluorotetradecanoic acid~~	~~ND~~		~~1.7~~	~~0.43~~	~~ng/L~~		~~06/06/22 09:16~~	~~06/08/22 19:45~~	R 1
Perfluorotridecanoic acid	ND	~~F1~~ UJ	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1
Perfluoroundecanoic acid	ND	UJ	1.7	0.43	ng/L		06/06/22 09:16	06/08/22 19:45	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	2	*5-	10 - 179	06/06/22 09:16	06/08/22 19:45	1
13C2-PFDoDA	2	*5-	17 - 176	06/06/22 09:16	06/08/22 19:45	1
13C3 PFBS	114		16 - 200	06/06/22 09:16	06/08/22 19:45	1
13C3 PFHxS	99		28 - 188	06/06/22 09:16	06/08/22 19:45	1
13C4 PFBA	100		42 - 165	06/06/22 09:16	06/08/22 19:45	1
13C4 PFHpA	101		31 - 182	06/06/22 09:16	06/08/22 19:45	1
13C5 PFHxA	100		24 - 179	06/06/22 09:16	06/08/22 19:45	1
13C5 PFPeA	108		38 - 187	06/06/22 09:16	06/08/22 19:45	1
13C6 PFDA	79		49 - 163	06/06/22 09:16	06/08/22 19:45	1
13C7 PFUnA	18	*5-	34 - 174	06/06/22 09:16	06/08/22 19:45	1
13C8 FOSA	15		10 - 168	06/06/22 09:16	06/08/22 19:45	1
13C8 PFOA	94		48 - 162	06/06/22 09:16	06/08/22 19:45	1
13C8 PFOS	90		51 - 159	06/06/22 09:16	06/08/22 19:45	1
13C9 PFNA	130		51 - 167	06/06/22 09:16	06/08/22 19:45	1
d3-NMeFOSAA	41		31 - 174	06/06/22 09:16	06/08/22 19:45	1
d5-NEtFOSAA	23	*5-	29 - 195	06/06/22 09:16	06/08/22 19:45	1
M2-6:2 FTS	146		17 - 200	06/06/22 09:16	06/08/22 19:45	1
M2-8:2 FTS	87		33 - 200	06/06/22 09:16	06/08/22 19:45	1

Client Sample ID: MW-9112D

Date Collected: 05/24/22 13:50
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-6

Matrix: WG

Method: 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			06/02/22 06:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 06:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 06:15	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 06:15	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 06:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/02/22 06:15*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*06/02/22 06:15*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/02/22 06:15*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/02/22 06:15*	*1*

Method: 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		05/31/22 09:32	06/01/22 20:46	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 20:46	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 20:46	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 20:46	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 20:46	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 20:46	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 20:46	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 20:46	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 20:46	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 20:46	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 20:46	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 20:46	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 20:46	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 20:46	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 20:46	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*93*		*46 - 120*	*05/31/22 09:32*	*06/01/22 20:46*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*05/31/22 09:32*	*06/01/22 20:46*	*1*
p-Terphenyl-d14 (Surr)	*57*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 20:46*	*1*

Client Sample ID: MW-9112S

Date Collected: 05/24/22 12:55
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-7

Matrix: WG

Method: 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			06/02/22 06:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 06:37	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 06:37	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 06:37	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 06:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 06:37	1

Client Sample ID: MW-9112S

Date Collected: 05/24/22 12:55
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-7

Matrix: WG

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/02/22 06:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*06/02/22 06:37*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/02/22 06:37*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/02/22 06:37*	*1*

Method: 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		05/31/22 09:32	06/01/22 21:13	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 21:13	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 21:13	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 21:13	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 21:13	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 21:13	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 21:13	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 21:13	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 21:13	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 21:13	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 21:13	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 21:13	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 21:13	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 21:13	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 21:13	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*51*		*46 - 120*	*05/31/22 09:32*	*06/01/22 21:13*	*1*
2-Fluorobiphenyl	*60*		*48 - 120*	*05/31/22 09:32*	*06/01/22 21:13*	*1*
p-Terphenyl-d14 (Surr)	*47*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 21:13*	*1*

Client Sample ID: MW-9114S

Date Collected: 05/24/22 15:10
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-8

Matrix: WG

Method: 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			06/02/22 06:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 06:59	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 06:59	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 06:59	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 06:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 06:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/02/22 06:59*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/02/22 06:59*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/02/22 06:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/02/22 06:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		05/31/22 09:32	06/01/22 21:41	1

Client Sample ID: MW-9114S

Date Collected: 05/24/22 15:10
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-8
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.4	0.41	ug/L		05/31/22 09:32	06/01/22 21:41	1
Anthracene	ND		5.4	0.30	ug/L		05/31/22 09:32	06/01/22 21:41	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		05/31/22 09:32	06/01/22 21:41	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		05/31/22 09:32	06/01/22 21:41	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		05/31/22 09:32	06/01/22 21:41	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		05/31/22 09:32	06/01/22 21:41	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		05/31/22 09:32	06/01/22 21:41	1
Chrysene	ND		5.4	0.36	ug/L		05/31/22 09:32	06/01/22 21:41	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		05/31/22 09:32	06/01/22 21:41	1
Fluoranthene	ND		5.4	0.43	ug/L		05/31/22 09:32	06/01/22 21:41	1
Fluorene	ND		5.4	0.39	ug/L		05/31/22 09:32	06/01/22 21:41	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		05/31/22 09:32	06/01/22 21:41	1
Naphthalene	ND		5.4	0.83	ug/L		05/31/22 09:32	06/01/22 21:41	1
Phenanthrene	ND		5.4	0.48	ug/L		05/31/22 09:32	06/01/22 21:41	1
Pyrene	ND		5.4	0.37	ug/L		05/31/22 09:32	06/01/22 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*86*		*46 - 120*	*05/31/22 09:32*	*06/01/22 21:41*	*1*
2-Fluorobiphenyl	*91*		*48 - 120*	*05/31/22 09:32*	*06/01/22 21:41*	*1*
p-Terphenyl-d14 (Surr)	*55*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 21:41*	*1*

Client Sample ID: MW-9502S

Date Collected: 05/24/22 10:25
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-9
Matrix: WG

Method: 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			06/02/22 07:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 07:21	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 07:21	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 07:21	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 07:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/02/22 07:21*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/02/22 07:21*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/02/22 07:21*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/02/22 07:21*	*1*

Method: 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		05/31/22 09:32	06/01/22 22:09	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 22:09	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 22:09	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 22:09	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 22:09	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 22:09	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 22:09	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 22:09	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 22:09	1

Client Sample ID: MW-9502S

Date Collected: 05/24/22 10:25
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-9
Matrix: WG

Method: 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		05/31/22 09:32	06/01/22 22:09	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 22:09	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 22:09	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 22:09	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 22:09	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 22:09	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*90*		*46 - 120*	*05/31/22 09:32*	*06/01/22 22:09*	*1*
2-Fluorobiphenyl	*97*		*48 - 120*	*05/31/22 09:32*	*06/01/22 22:09*	*1*
p-Terphenyl-d14 (Surr)	*51*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 22:09*	*1*

Client Sample ID: PTMW-0202

Date Collected: 05/24/22 08:15
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-10
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**16**		1.0	0.41	ug/L			06/03/22 05:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/03/22 05:47	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/03/22 05:47	1
o-Xylene	ND		1.0	0.76	ug/L			06/03/22 05:47	1
Toluene	ND		1.0	0.51	ug/L			06/03/22 05:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/03/22 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*06/03/22 05:47*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/03/22 05:47*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 123*		*06/03/22 05:47*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*06/03/22 05:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**34**		26	2.1	ug/L		05/31/22 09:32	06/01/22 17:58	5
Acenaphthylene	ND		26	2.0	ug/L		05/31/22 09:32	06/01/22 17:58	5
Anthracene	ND		26	1.5	ug/L		05/31/22 09:32	06/01/22 17:58	5
Benzo[a]anthracene	ND		26	1.9	ug/L		05/31/22 09:32	06/01/22 17:58	5
Benzo[a]pyrene	ND		26	2.4	ug/L		05/31/22 09:32	06/01/22 17:58	5
Benzo[b]fluoranthene	ND		26	1.8	ug/L		05/31/22 09:32	06/01/22 17:58	5
Benzo[g,h,i]perylene	ND		26	1.8	ug/L		05/31/22 09:32	06/01/22 17:58	5
Benzo[k]fluoranthene	ND		26	3.8	ug/L		05/31/22 09:32	06/01/22 17:58	5
Chrysene	ND		26	1.7	ug/L		05/31/22 09:32	06/01/22 17:58	5
Dibenz(a,h)anthracene	ND	~~F2~~ UJ	26	2.2	ug/L		05/31/22 09:32	06/01/22 17:58	5
Fluoranthene	ND		26	2.1	ug/L		05/31/22 09:32	06/01/22 17:58	5
Fluorene	**5.5**	**J**	26	1.9	ug/L		05/31/22 09:32	06/01/22 17:58	5
Indeno[1,2,3-cd]pyrene	ND		26	2.4	ug/L		05/31/22 09:32	06/01/22 17:58	5
Naphthalene	ND		26	4.0	ug/L		05/31/22 09:32	06/01/22 17:58	5
Phenanthrene	ND		26	2.3	ug/L		05/31/22 09:32	06/01/22 17:58	5
Pyrene	ND		26	1.8	ug/L		05/31/22 09:32	06/01/22 17:58	5

Client Sample ID: PTMW-0202

Lab Sample ID: 480-198411-10
Matrix: WG
Date Collected: 05/24/22 08:15
Date Received: 05/27/22 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*05/31/22 09:32*	*06/01/22 17:58*	*5*
2-Fluorobiphenyl	*93*		*48 - 120*	*05/31/22 09:32*	*06/01/22 17:58*	*5*
p-Terphenyl-d14 (Surr)	*59*	*S1-*	*60 - 148*	*05/31/22 09:32*	*06/01/22 17:58*	*5*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-198411-11
Matrix: WQ
Date Collected: 05/24/22 00:00
Date Received: 05/27/22 10:00

Method: 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			06/02/22 07:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 07:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 07:43	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 07:43	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 07:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 07:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/02/22 07:43*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/02/22 07:43*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*06/02/22 07:43*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/02/22 07:43*	*1*

Client Sample ID: DUP-052522

Lab Sample ID: 480-198411-12
Matrix: Water
Date Collected: 05/24/22 00:00
Date Received: 05/27/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**14**		1.0	0.41	ug/L			06/02/22 08:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/02/22 08:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/02/22 08:06	1
o-Xylene	ND		1.0	0.76	ug/L			06/02/22 08:06	1
Toluene	ND		1.0	0.51	ug/L			06/02/22 08:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/02/22 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/02/22 08:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*06/02/22 08:06*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*06/02/22 08:06*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/02/22 08:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**30**		5.0	0.41	ug/L		05/31/22 09:32	06/01/22 22:36	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 22:36	1
Anthracene	**0.43**	**J**	5.0	0.28	ug/L		05/31/22 09:32	06/01/22 22:36	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 22:36	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 22:36	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 22:36	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 22:36	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 22:36	1

Client Sample ID: DUP-052522

Date Collected: 05/24/22 00:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND	~~UJ~~	5.0	0.33	ug/L		05/31/22 09:32	06/01/22 22:36	1
Dibenz(a,h)anthracene	ND	UJ	5.0	0.42	ug/L		05/31/22 09:32	06/01/22 22:36	1
Fluoranthene	**0.52**	**J**	5.0	0.40	ug/L		05/31/22 09:32	06/01/22 22:36	1
Fluorene	**5.3**		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 22:36	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 22:36	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 22:36	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 22:36	1
Pyrene	**0.52**	**J**	5.0	0.34	ug/L		05/31/22 09:32	06/01/22 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*72*		*46 - 120*	*05/31/22 09:32*	*06/01/22 22:36*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*05/31/22 09:32*	*06/01/22 22:36*	*1*
p-Terphenyl-d14 (Surr)	*63*		*60 - 148*	*05/31/22 09:32*	*06/01/22 22:36*	*1*

Client Sample ID: FB-01-052522

Date Collected: 05/25/22 09:45
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-13
Matrix: Water

Method: 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			06/03/22 18:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/03/22 18:20	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/03/22 18:20	1
o-Xylene	ND		1.0	0.76	ug/L			06/03/22 18:20	1
Toluene	ND		1.0	0.51	ug/L			06/03/22 18:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/03/22 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/03/22 18:20*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*06/03/22 18:20*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/03/22 18:20*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/03/22 18:20*	*1*

Method: 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		05/31/22 09:32	06/01/22 23:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 23:05	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 23:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 23:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 23:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 23:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 23:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 23:05	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 23:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 23:05	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 23:05	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 23:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 23:05	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 23:05	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 23:05	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 23:05	1

Client Sample ID: FB-01-052522

Lab Sample ID: 480-198411-13

Date Collected: 05/25/22 09:45

Matrix: Water

Date Received: 05/27/22 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*92*		*46 - 120*	*05/31/22 09:32*	*06/01/22 23:05*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*05/31/22 09:32*	*06/01/22 23:05*	*1*
p-Terphenyl-d14 (Surr)	*64*		*60 - 148*	*05/31/22 09:32*	*06/01/22 23:05*	*1*

Client Sample ID: EB-01-052522

Lab Sample ID: 480-198411-14

Date Collected: 05/25/22 10:10

Matrix: Water

Date Received: 05/27/22 10:00

Method: 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			06/03/22 18:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/03/22 18:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/03/22 18:43	1
o-Xylene	ND		1.0	0.76	ug/L			06/03/22 18:43	1
Toluene	ND		1.0	0.51	ug/L			06/03/22 18:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/03/22 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/03/22 18:43*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/03/22 18:43*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*06/03/22 18:43*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/03/22 18:43*	*1*

Method: 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		05/31/22 09:32	06/01/22 23:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/31/22 09:32	06/01/22 23:33	1
Anthracene	ND		5.0	0.28	ug/L		05/31/22 09:32	06/01/22 23:33	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 23:33	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 23:33	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 23:33	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/31/22 09:32	06/01/22 23:33	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/31/22 09:32	06/01/22 23:33	1
Chrysene	ND		5.0	0.33	ug/L		05/31/22 09:32	06/01/22 23:33	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/31/22 09:32	06/01/22 23:33	1
Fluoranthene	ND		5.0	0.40	ug/L		05/31/22 09:32	06/01/22 23:33	1
Fluorene	ND		5.0	0.36	ug/L		05/31/22 09:32	06/01/22 23:33	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/31/22 09:32	06/01/22 23:33	1
Naphthalene	ND		5.0	0.76	ug/L		05/31/22 09:32	06/01/22 23:33	1
Phenanthrene	ND		5.0	0.44	ug/L		05/31/22 09:32	06/01/22 23:33	1
Pyrene	ND		5.0	0.34	ug/L		05/31/22 09:32	06/01/22 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*88*		*46 - 120*	*05/31/22 09:32*	*06/01/22 23:33*	*1*
2-Fluorobiphenyl	*95*		*48 - 120*	*05/31/22 09:32*	*06/01/22 23:33*	*1*
p-Terphenyl-d14 (Surr)	*70*		*60 - 148*	*05/31/22 09:32*	*06/01/22 23:33*	*1*

Client Sample ID: DUP-PFAS-052522

Date Collected: 05/25/22 00:00
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-15

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		4.3	1.7	ng/L		06/06/22 07:37	06/09/22 00:23	1
8:2 Fluorotelomer sulfonic acid	ND		2.6	0.86	ng/L		06/06/22 07:37	06/09/22 00:23	1
NEtFOSAA	ND		2.6	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
NMeFOSAA	ND	UJ	1.7	0.52	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorobutanesulfonic acid	**1.7**		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorobutanoic acid	ND		4.3	1.7	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorodecanesulfonic acid	ND	UJ	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorodecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorododecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	R 1
Perfluoroheptanesulfonic acid	**0.79**	**J**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluoroheptanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorohexanesulfonic acid	**22**		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorohexanoic acid	**1.1**	**J** 1.7 UB	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorononanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorooctanesulfonamide	ND	UJ	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorooctanesulfonic acid	**28**	**B**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorooctanoic acid	**2.0**		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluoropentanoic acid	**0.83**	**J**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluorotetradecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	R 1
Perfluorotridecanoic acid	ND	UJ	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1
Perfluoroundecanoic acid	ND	UJ	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*0.2*	**5-*	*10 - 179*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C2-PFDoDA	*1*	**5-*	*17 - 176*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C3 PFBS	*104*		*16 - 200*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C3 PFHxS	*87*		*28 - 188*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C4 PFBA	*86*		*42 - 165*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C4 PFHpA	*87*		*31 - 182*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C5 PFHxA	*88*		*24 - 179*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C5 PFPeA	*93*		*38 - 187*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C6 PFDA	*65*		*49 - 163*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C7 PFUnA	*13*	**5-*	*34 - 174*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C8 FOSA	*10*		*10 - 168*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C8 PFOA	*81*		*48 - 162*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C8 PFOS	*74*		*51 - 159*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
13C9 PFNA	*117*		*51 - 167*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
d3-NMeFOSAA	*35*		*31 - 174*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
d5-NEtFOSAA	*14*	**5-*	*29 - 195*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
M2-6:2 FTS	*109*		*17 - 200*	*06/06/22 07:37*	*06/09/22 00:23*	*1*
M2-8:2 FTS	*66*		*33 - 200*	*06/06/22 07:37*	*06/09/22 00:23*	*1*

Method: 537 IDA - EPA 537 Isotope Dilution - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND	H	4.4	1.8	ng/L		06/14/22 07:27	06/17/22 04:16	1
8:2 Fluorotelomer sulfonic acid	ND	H	2.7	0.88	ng/L		06/14/22 07:27	06/17/22 04:16	1
NEtFOSAA	ND	H	2.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
NMeFOSAA	ND	H	1.8	0.53	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorobutanesulfonic acid	**1.6**	**J H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorobutanoic acid	ND	H	4.4	1.8	ng/L		06/14/22 07:27	06/17/22 04:16	1

Client Sample ID: DUP-PFAS-052522

Lab Sample ID: 480-198411-15

Date Collected: 05/25/22 00:00

Matrix: Water

Date Received: 05/27/22 10:00

Method: 537 IDA - EPA 537 Isotope Dilution - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorodecanoic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorododecanoic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluoroheptanesulfonic acid	**0.81**	**J H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluoroheptanoic acid	**0.47**	**J H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorohexanesulfonic acid	**22**	**H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorohexanoic acid	**1.2**	**J H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorononanoic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorooctanesulfonamide	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorooctanesulfonic acid	**24**	**H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorooctanoic acid	**1.9**	**H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluoropentanoic acid	**0.52**	**J H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorotetradecanoic acid	**3.6**	**H**	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluorotridecanoic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1
Perfluoroundecanoic acid	ND	H	1.8	0.44	ng/L		06/14/22 07:27	06/17/22 04:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*8*	*5-	*10 - 179*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C2-PFDoDA	*44*		*17 - 176*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C3 PFBS	*113*		*16 - 200*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C3 PFHxS	*95*		*28 - 188*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C4 PFBA	*87*		*42 - 165*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C4 PFHpA	*92*		*31 - 182*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C5 PFHxA	*92*		*24 - 179*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C5 PFPeA	*98*		*38 - 187*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C6 PFDA	*82*		*49 - 163*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C7 PFUnA	*68*		*34 - 174*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C8 FOSA	*22*		*10 - 168*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C8 PFOA	*91*		*48 - 162*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C8 PFOS	*91*		*51 - 159*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
13C9 PFNA	*92*		*51 - 167*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
d3-NMeFOSAA	*72*		*31 - 174*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
d5-NEtFOSAA	*66*		*29 - 195*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
M2-6:2 FTS	*148*		*17 - 200*	*06/14/22 07:27*	*06/17/22 04:16*	*1*
M2-8:2 FTS	*97*		*33 - 200*	*06/14/22 07:27*	*06/17/22 04:16*	*1*

Client Sample ID: FB-02-052522

Lab Sample ID: 480-198411-16

Date Collected: 05/25/22 10:20

Matrix: Water

Date Received: 05/27/22 10:00

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		4.3	1.7	ng/L		06/06/22 07:37	06/09/22 00:34	1
8:2 Fluorotelomer sulfonic acid	ND		2.6	0.87	ng/L		06/06/22 07:37	06/09/22 00:34	1
NEtFOSAA	ND		2.6	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
NMeFOSAA	ND		1.7	0.52	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorobutanesulfonic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorobutanoic acid	ND		4.3	1.7	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorodecanesulfonic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorodecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorododecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1

Client Sample ID: FB-02-052522

Date Collected: 05/25/22 10:20
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-16

Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluoroheptanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorohexanesulfonic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorohexanoic acid	**0.54**	**J**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorononanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorooctanesulfonamide	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorooctanesulfonic acid	**1.2**	**J B**	1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorooctanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluoropentanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorotetradecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluorotridecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1
Perfluoroundecanoic acid	ND		1.7	0.43	ng/L		06/06/22 07:37	06/09/22 00:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*71*		*10 - 179*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C2-PFDoDA	*79*		*17 - 176*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C3 PFBS	*88*		*16 - 200*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C3 PFHxS	*83*		*28 - 188*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C4 PFBA	*85*		*42 - 165*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C4 PFHpA	*86*		*31 - 182*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C5 PFHxA	*78*		*24 - 179*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C5 PFPeA	*84*		*38 - 187*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C6 PFDA	*80*		*49 - 163*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C7 PFUnA	*82*		*34 - 174*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C8 FOSA	*65*		*10 - 168*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C8 PFOA	*80*		*48 - 162*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C8 PFOS	*89*		*51 - 159*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
13C9 PFNA	*93*		*51 - 167*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
d3-NMeFOSAA	*88*		*31 - 174*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
d5-NEtFOSAA	*83*		*29 - 195*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
M2-6:2 FTS	*81*		*17 - 200*	*06/06/22 07:37*	*06/09/22 00:34*	*1*
M2-8:2 FTS	*75*		*33 - 200*	*06/06/22 07:37*	*06/09/22 00:34*	*1*

Method: 537 IDA - EPA 537 Isotope Dilution - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND	H	4.4	1.7	ng/L		06/14/22 07:27	06/17/22 04:27	1
8:2 Fluorotelomer sulfonic acid	ND	H	2.6	0.87	ng/L		06/14/22 07:27	06/17/22 04:27	1
NEtFOSAA	ND	H	2.6	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
NMeFOSAA	ND	H	1.7	0.52	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorobutanesulfonic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorobutanoic acid	ND	H	4.4	1.7	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorodecanesulfonic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorodecanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorododecanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluoroheptanesulfonic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluoroheptanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorohexanesulfonic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorohexanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorononanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorooctanesulfonamide	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1

Client Sample ID: FB-02-052522

Lab Sample ID: 480-198411-16

Date Collected: 05/25/22 10:20

Matrix: Water

Date Received: 05/27/22 10:00

Method: 537 IDA - EPA 537 Isotope Dilution - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorooctanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluoropentanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorotetradecanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluorotridecanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1
Perfluoroundecanoic acid	ND	H	1.7	0.44	ng/L		06/14/22 07:27	06/17/22 04:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*90*		*10 - 179*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C2-PFDoDA	*102*		*17 - 176*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C3 PFBS	*100*		*16 - 200*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C3 PFHxS	*102*		*28 - 188*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C4 PFBA	*100*		*42 - 165*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C4 PFHpA	*106*		*31 - 182*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C5 PFHxA	*102*		*24 - 179*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C5 PFPeA	*99*		*38 - 187*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C6 PFDA	*105*		*49 - 163*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C7 PFUnA	*108*		*34 - 174*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C8 FOSA	*96*		*10 - 168*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C8 PFOA	*103*		*48 - 162*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C8 PFOS	*99*		*51 - 159*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
13C9 PFNA	*104*		*51 - 167*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
d3-NMeFOSAA	*106*		*31 - 174*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
d5-NEtFOSAA	*105*		*29 - 195*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
M2-6:2 FTS	*107*		*17 - 200*	*06/14/22 07:27*	*06/17/22 04:27*	*1*
M2-8:2 FTS	*103*		*33 - 200*	*06/14/22 07:27*	*06/17/22 04:27*	*1*

Client Sample ID: EB-02-052522

Lab Sample ID: 480-198411-17

Date Collected: 05/25/22 10:30

Matrix: Water

Date Received: 05/27/22 10:00

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		4.6	1.9	ng/L		06/06/22 07:37	06/09/22 00:56	1
8:2 Fluorotelomer sulfonic acid	ND		2.8	0.93	ng/L		06/06/22 07:37	06/09/22 00:56	1
NEtFOSAA	ND		2.8	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
NMeFOSAA	ND		1.9	0.56	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorobutanesulfonic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorobutanoic acid	ND		4.6	1.9	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorodecanesulfonic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorodecanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorododecanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluoroheptanesulfonic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluoroheptanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorohexanesulfonic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorohexanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorononanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorooctanesulfonamide	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorooctanesulfonic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorooctanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluoropentanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1

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

Job ID: 480-198411-1

Client Sample ID: EB-02-052522
Date Collected: 05/25/22 10:30
Date Received: 05/27/22 10:00

Lab Sample ID: 480-198411-17
Matrix: Water

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluorotridecanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1
Perfluoroundecanoic acid	ND		1.9	0.46	ng/L		06/06/22 07:37	06/09/22 00:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*78*		*10 - 179*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C2-PFDoDA	*87*		*17 - 176*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C3 PFBS	*93*		*16 - 200*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C3 PFHxS	*91*		*28 - 188*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C4 PFBA	*88*		*42 - 165*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C4 PFHpA	*88*		*31 - 182*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C5 PFHxA	*84*		*24 - 179*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C5 PFPeA	*88*		*38 - 187*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C6 PFDA	*86*		*49 - 163*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C7 PFUnA	*87*		*34 - 174*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C8 FOSA	*67*		*10 - 168*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C8 PFOA	*83*		*48 - 162*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C8 PFOS	*95*		*51 - 159*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
13C9 PFNA	*98*		*51 - 167*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
d3-NMeFOSAA	*91*		*31 - 174*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
d5-NEtFOSAA	*94*		*29 - 195*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
M2-6:2 FTS	*92*		*17 - 200*	*06/06/22 07:37*	*06/09/22 00:56*	*1*
M2-8:2 FTS	*86*		*33 - 200*	*06/06/22 07:37*	*06/09/22 00:56*	*1*

NYSEG Oneonta Former MGP Site

Data Usability Summary Report

Oneonta, New York

Volatile Organic Compound (VOC) and Semivolatile Organic Compound (SVOC) Analyses

SDG # 480-203965-1

Analyses Performed By:
Eurofins TestAmerica Buffalo
Amherst, New York

Report # 47780R
Review Level: Tier III
Project: 30126801.2

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) # 480-203965-1 for samples collected in association with the NYSEG Oneonta 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	PFAs	MET	MISC
MW-0201	480-203965-1	Water	11/15/22		X	X			
MW-0203	480-203965-2	Water	11/15/22		X	X			
MW-8604S	480-203965-3	Water	11/15/22		X	X			
MW-8806S	480-203965-4	Water	11/15/22		X	X			
MW-9111S	480-203965-5	Water	11/15/22		X	X			
MW-9112D	480-203965-6	Water	11/15/22		X	X			
MW-9112S	480-203965-7	Water	11/15/22		X	X			
MW-9114S	480-203965-8	Water	11/15/22		X	X			
MW-9502S	480-203965-9	Water	11/15/22		X	X			
PTMW-0202	480-203965-10	Water	11/15/22		X	X			
TRIP BLANK	480-203965-11	Water	11/15/22		X				
DUP-111522	480-203965-12	Water	11/15/22	PTMW-0202	X	X			
FB-01-111522	480-203965-13	Water	11/15/22		X	X			
EB-01-111522	480-203965-14	Water	11/15/22		X	X			

Note:

1. Matrix spike/matrix spike duplicate was performed on sample location PTMW-0202 for VOCs and SVOCs.

Analytical Data Package Documentation

The table below evaluates the data package completeness.

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

Note:
QA = quality assurance

Organic Analysis Introduction

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

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

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

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

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

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).

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 exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compounds	Sample Result	Duplicate Result	RPD
PTMW-0202 / DUP-111522	Benzene	460	460	0.0%
	Ethylbenzene	10 U	0.84 J	AC
	m-Xylene & p-Xylene	20 U	2.5	AC
	o-Xylene	8.4 J	9.1	AC
	Xylenes, Total	8.4 J	12	AC

Notes:
AC Acceptable

The calculated RPDs/results 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.

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-111522	Benzene	460 E	460	460 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

11. System Performance and Overall Assessment

The laboratory noted: Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PTMW-0202(480-203965-10), PTMW-0202 (480-203965-10[MS]), PTMW-0202 (480-203965-10[MSD]) and DUP-111522 (480-203965-12). Elevated reporting limits (RLs) are provided.

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 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS)		X		X	
Matrix Spike Duplicate(MSD)		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
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

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270D	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

Note:
s.u. = standard units

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).

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. 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 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 was performed on the sample PTMW-0202.Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compounds	MS Recovery	MSD Recovery
PTMW-0202	Acenaphthene	>UL	>UL
	Naphthalene	>UL	>UL

Note:

UL Upper limit

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

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

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8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
PTMW-0202 / DUP-111522	Acenaphthene	60	78	AC
	Anthracene	25 U	1.3 J	AC
	Fluoranthene	25 U	1.3 J	AC
	Fluorene	13 J	20	AC
	Naphthalene	43	60	AC
	Phenanthrene	25 U	2.2 J	AC
	Pyrene	25 U	1.3 J	AC

Notes:
AC Acceptable

The results 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.

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	Compounds	Original Analysis	Diluted Analysis	Reported Analysis
MW-0201	Naphthalene	160 E	270	270 D
DUP-111522	Acenaphthene	79 E	78	78 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

Reported Sample Results	Qualification
Original sample result greater than the calibration range	EJ

11. System Performance and Overall Assessment

The laboratory noted: Method 8270D: The following samples were diluted due to color, appearance, and viscosity: PTMW-0202 (480-203965-10), PTMW-0202(480-203965-10[MS]) and PTMW-0202 (480-203965-10[MSD]). Elevated reporting limits (RL) are provided.

The laboratory noted: Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-0201(480-203965-1) and DUP-111522 (480-203965-12). Elevated reporting limits (RLs) are provided.

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks / Field blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS)		X	X		
Matrix Spike Duplicate(MSD)		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
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	

SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Compound identification and quantitation					
F. Reconstructed ion chromatograms		X		X	
G. Quantitation Reports		X		X	
H. RT of sample compounds within the established RT windows		X		X	
I. Transcription/calculation errors present		X		X	
J. 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	PFAS	MISC	
480-203965-1	11/15/22	SW846	MW-0201	Water	Yes	Yes	--	--	
	11/15/22	SW846	MW-0203	Water	Yes	Yes	--	--	
	11/15/22	SW846	MW-8604S	Water	Yes	Yes	--	--	
	11/15/22	SW846	MW-8806S	Water	Yes	Yes	--	--	
	11/15/22	SW846	MW-9111S	Water	Yes	Yes	--	--	
	11/15/22	SW846	MW-9112D	Water	Yes	Yes	--	--	
	11/15/22	SW846	MW-9112S	Water	Yes	Yes	--	--	
	11/15/22	SW846	MW-9114S	Water	Yes	Yes	--	--	
	11/15/22	SW846	MW-9502S	Water	Yes	Yes	--	--	
	11/15/22	SW846	PTMW-0202	Water	Yes	No	--	--	SVOC:MS/MSD High %Recovery
	11/15/22	SW846	TRIP BLANK	Water	Yes	--	--	--	
	11/15/22	SW846	DUP-111522	Water	Yes	Yes	--	--	
	11/15/22	SW846	FB-01-111522	Water	Yes	Yes	--	--	
	11/15/22	SW846	EB-01-111522	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: Vinayak Hegde

SIGNATURE: 

DATE: November 30, 2022

PEER REVIEW: Joseph C. Houser

DATE: November 30, 2022

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	Sampler: Carson Fenhagen & Kaitlyn Fleming	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-179087-37584.1
Client Contact: Ryan Clare	Phone: 619-727-1921	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	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):			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4505261722			
Email: Ryan.Clare@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

480-203965 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 Number of	Special Instructions/Note:
			Preservation Code:				N	A		
MW-8604S	11/15/22	1015	G	Water	N	N	X	X	5	
MW-9114S	11/15/22	1355	G	Water	N	N	X	X	5	
MW-8806S	11/15/22	1505	G	Water	N	N	X	X	5	
MW-0201	11/15/22	1205	G	Water	N	N	X	X	5	
MW-9111S	11/15/22	1300	G	Water	N	N	X	X	5	
MW-0203	11/15/22	1635	G	Water	N	N	X	X	5	
MW-9112S	11/15/22	0920	G	Water	N	N	X	X	5	
MW-9112D	11/15/22	1040	G	Water	N	N	X	X	5	
MW-9502S	11/15/22	0915	G	Water	N	N	X	X	5	
PTMW-0202	11/15/22	1055	G	Water	N	Y	X	X	5	
DUP - 111522	11/15/22	—	G	Water	N	N	X	X	5	

15 X MS/MSD

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	Kaitlyn Fleming	11/16/22 1330	Arcadis			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	11-16-22 1330	TAB

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

Cooler Temperature(s) °C and Other Remarks: 3.1, 2.8 #1 ICE

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:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-179087-37584.2
Client Contact: Ryan Clare	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin:	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):			
State, Zip: NY, 14604	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4505261722			
Email: Ryan.Clare@arcadis.com	WO #: NYSEG Oneonta/John Ruspantini			
Project Name: NYSEG - Oneonta	Project #: 48004125			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
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:				N	A		
				Water						
				Water						
				Water						
TRIP BLNK	—	—	—	Water	N	N		X	1	
~~FIELD BLANK~~ FB-01-111522	11/15/22	1200	G	Water	N	N	X	X	5	
~~EQUIPMENT BLANK~~ EB-01-111522	11/15/22	1210	G	Water	N	N	X	X	5	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Kathryn Fenn	11/16/22 1330	Arcadis			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11-16-22 1330	Company TAL

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

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Client Sample ID: MW-0201
Lab Sample ID: 480-203965-1

Date Collected: 11/15/22 12:05
Matrix: WG

Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**53**		1.0	0.41	ug/L			11/17/22 11:20	1
Ethylbenzene	**55**		1.0	0.74	ug/L			11/17/22 11:20	1
m-Xylene & p-Xylene	**11**		2.0	0.66	ug/L			11/17/22 11:20	1
o-Xylene	**37**		1.0	0.76	ug/L			11/17/22 11:20	1
Toluene	**2.2**		1.0	0.51	ug/L			11/17/22 11:20	1
Xylenes, Total	**48**		2.0	0.66	ug/L			11/17/22 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*11/17/22 11:20*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/17/22 11:20*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/17/22 11:20*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*11/17/22 11:20*	*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		11/18/22 08:41	11/21/22 14:52	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 14:52	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 14:52	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 14:52	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 14:52	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 14:52	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 14:52	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 14:52	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 14:52	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 14:52	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 14:52	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 14:52	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 14:52	1
Naphthalene	**160**	**E**	5.0	0.76	ug/L		11/18/22 08:41	11/21/22 14:52	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 14:52	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*46 - 120*	*11/18/22 08:41*	*11/21/22 14:52*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*11/18/22 08:41*	*11/21/22 14:52*	*1*
p-Terphenyl-d14 (Surr)	*100*		*60 - 148*	*11/18/22 08:41*	*11/21/22 14:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		50	4.1	ug/L		11/18/22 08:41	11/22/22 12:03	10
Acenaphthylene	ND		50	3.8	ug/L		11/18/22 08:41	11/22/22 12:03	10
Anthracene	ND		50	2.8	ug/L		11/18/22 08:41	11/22/22 12:03	10
Benzo[a]anthracene	ND		50	3.6	ug/L		11/18/22 08:41	11/22/22 12:03	10
Benzo[a]pyrene	ND		50	4.7	ug/L		11/18/22 08:41	11/22/22 12:03	10
Benzo[b]fluoranthene	ND		50	3.4	ug/L		11/18/22 08:41	11/22/22 12:03	10
Benzo[g,h,i]perylene	ND		50	3.5	ug/L		11/18/22 08:41	11/22/22 12:03	10
Benzo[k]fluoranthene	ND		50	7.3	ug/L		11/18/22 08:41	11/22/22 12:03	10
Chrysene	ND		50	3.3	ug/L		11/18/22 08:41	11/22/22 12:03	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		11/18/22 08:41	11/22/22 12:03	10
Fluoranthene	ND		50	4.0	ug/L		11/18/22 08:41	11/22/22 12:03	10

Client Sample ID: MW-0201

Date Collected: 11/15/22 12:05
Date Received: 11/16/22 13:30

Lab Sample ID: 480-203965-1
Matrix: WG

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		50	3.6	ug/L		11/18/22 08:41	11/22/22 12:03	10
Indeno[1,2,3-cd]pyrene	ND		50	4.7	ug/L		11/18/22 08:41	11/22/22 12:03	10
Naphthalene	270	D	50	7.6	ug/L		11/18/22 08:41	11/22/22 12:03	10
Phenanthrene	ND		50	4.4	ug/L		11/18/22 08:41	11/22/22 12:03	10
Pyrene	ND		50	3.4	ug/L		11/18/22 08:41	11/22/22 12:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*61*		*46 - 120*	*11/18/22 08:41*	*11/22/22 12:03*	*10*
2-Fluorobiphenyl	*87*		*48 - 120*	*11/18/22 08:41*	*11/22/22 12:03*	*10*
p-Terphenyl-d14 (Surr)	*98*		*60 - 148*	*11/18/22 08:41*	*11/22/22 12:03*	*10*

Client Sample ID: MW-0203

Date Collected: 11/15/22 16:35
Date Received: 11/16/22 13:30

Lab Sample ID: 480-203965-2
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			11/17/22 11:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 11:47	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 11:47	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 11:47	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 11:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/17/22 11:47*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/17/22 11:47*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*11/17/22 11:47*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*11/17/22 11:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.2	0.43	ug/L		11/18/22 08:41	11/21/22 15:19	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/18/22 08:41	11/21/22 15:19	1
Anthracene	ND		5.2	0.29	ug/L		11/18/22 08:41	11/21/22 15:19	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 15:19	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 15:19	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 15:19	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/18/22 08:41	11/21/22 15:19	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/18/22 08:41	11/21/22 15:19	1
Chrysene	ND		5.2	0.34	ug/L		11/18/22 08:41	11/21/22 15:19	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/18/22 08:41	11/21/22 15:19	1
Fluoranthene	ND		5.2	0.42	ug/L		11/18/22 08:41	11/21/22 15:19	1
Fluorene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 15:19	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 15:19	1
Naphthalene	ND		5.2	0.79	ug/L		11/18/22 08:41	11/21/22 15:19	1
Phenanthrene	ND		5.2	0.46	ug/L		11/18/22 08:41	11/21/22 15:19	1
Pyrene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*69*		*46 - 120*	*11/18/22 08:41*	*11/21/22 15:19*	*1*

Client Sample ID: MW-0203

Lab Sample ID: 480-203965-2

Date Collected: 11/15/22 16:35

Matrix: WG

Date Received: 11/16/22 13:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*91*		*48 - 120*	*11/18/22 08:41*	*11/21/22 15:19*	*1*
p-Terphenyl-d14 (Surr)	*115*		*60 - 148*	*11/18/22 08:41*	*11/21/22 15:19*	*1*

Client Sample ID: MW-8604S

Lab Sample ID: 480-203965-3

Date Collected: 11/15/22 16:15

Matrix: WG

Date Received: 11/16/22 13:30

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			11/17/22 12:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 12:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 12:06	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 12:06	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 12:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*11/17/22 12:06*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/17/22 12:06*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/17/22 12:06*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/17/22 12:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**5.7**		5.0	0.41	ug/L		11/18/22 08:41	11/21/22 15:46	1
Acenaphthylene	**0.76**	**J**	5.0	0.38	ug/L		11/18/22 08:41	11/21/22 15:46	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 15:46	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 15:46	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 15:46	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 15:46	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 15:46	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 15:46	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 15:46	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 15:46	1
Fluoranthene	**0.54**	**J**	5.0	0.40	ug/L		11/18/22 08:41	11/21/22 15:46	1
Fluorene	**0.74**	**J**	5.0	0.36	ug/L		11/18/22 08:41	11/21/22 15:46	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 15:46	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 15:46	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 15:46	1
Pyrene	**0.53**	**J**	5.0	0.34	ug/L		11/18/22 08:41	11/21/22 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*67*		*46 - 120*	*11/18/22 08:41*	*11/21/22 15:46*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*11/18/22 08:41*	*11/21/22 15:46*	*1*
p-Terphenyl-d14 (Surr)	*101*		*60 - 148*	*11/18/22 08:41*	*11/21/22 15:46*	*1*

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

Job ID: 480-203965-1

Client Sample ID: MW-8806S

Lab Sample ID: 480-203965-4

Date Collected: 11/15/22 15:05

Matrix: WG

Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.88**	**J**	1.0	0.41	ug/L			11/17/22 12:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 12:29	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 12:29	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 12:29	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 12:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*11/17/22 12:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/17/22 12:29*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*11/17/22 12:29*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*11/17/22 12:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.51**	**J**	5.2	0.43	ug/L		11/18/22 08:41	11/21/22 16:14	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/18/22 08:41	11/21/22 16:14	1
Anthracene	ND		5.2	0.29	ug/L		11/18/22 08:41	11/21/22 16:14	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 16:14	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 16:14	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 16:14	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/18/22 08:41	11/21/22 16:14	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/18/22 08:41	11/21/22 16:14	1
Chrysene	ND		5.2	0.34	ug/L		11/18/22 08:41	11/21/22 16:14	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/18/22 08:41	11/21/22 16:14	1
Fluoranthene	ND		5.2	0.42	ug/L		11/18/22 08:41	11/21/22 16:14	1
Fluorene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 16:14	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 16:14	1
Naphthalene	ND		5.2	0.79	ug/L		11/18/22 08:41	11/21/22 16:14	1
Phenanthrene	ND		5.2	0.46	ug/L		11/18/22 08:41	11/21/22 16:14	1
Pyrene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*76*		*46 - 120*	*11/18/22 08:41*	*11/21/22 16:14*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*11/18/22 08:41*	*11/21/22 16:14*	*1*
p-Terphenyl-d14 (Surr)	*110*		*60 - 148*	*11/18/22 08:41*	*11/21/22 16:14*	*1*

Client Sample ID: MW-9111S

Lab Sample ID: 480-203965-5

Date Collected: 11/15/22 13:00

Matrix: WG

Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**22**		1.0	0.41	ug/L			11/17/22 12:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 12:54	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 12:54	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 12:54	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 12:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 12:54	1

Client Sample ID: MW-9111S

Lab Sample ID: 480-203965-5

Date Collected: 11/15/22 13:00

Matrix: WG

Date Received: 11/16/22 13:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*11/17/22 12:54*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/17/22 12:54*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*11/17/22 12:54*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/17/22 12:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**4.4**	**J**	5.2	0.43	ug/L		11/18/22 08:41	11/21/22 16:43	1
Acenaphthylene	ND		5.2	0.40	ug/L		11/18/22 08:41	11/21/22 16:43	1
Anthracene	ND		5.2	0.29	ug/L		11/18/22 08:41	11/21/22 16:43	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 16:43	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 16:43	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 16:43	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/18/22 08:41	11/21/22 16:43	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/18/22 08:41	11/21/22 16:43	1
Chrysene	ND		5.2	0.34	ug/L		11/18/22 08:41	11/21/22 16:43	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/18/22 08:41	11/21/22 16:43	1
Fluoranthene	ND		5.2	0.42	ug/L		11/18/22 08:41	11/21/22 16:43	1
Fluorene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 16:43	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 16:43	1
Naphthalene	**0.88**	**J**	5.2	0.79	ug/L		11/18/22 08:41	11/21/22 16:43	1
Phenanthrene	ND		5.2	0.46	ug/L		11/18/22 08:41	11/21/22 16:43	1
Pyrene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*79*		*46 - 120*	*11/18/22 08:41*	*11/21/22 16:43*	*1*
2-Fluorobiphenyl	*107*		*48 - 120*	*11/18/22 08:41*	*11/21/22 16:43*	*1*
p-Terphenyl-d14 (Surr)	*118*		*60 - 148*	*11/18/22 08:41*	*11/21/22 16:43*	*1*

Client Sample ID: MW-9112D

Lab Sample ID: 480-203965-6

Date Collected: 11/15/22 10:40

Matrix: WG

Date Received: 11/16/22 13:30

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			11/17/22 13:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 13:17	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 13:17	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 13:17	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 13:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 13:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*11/17/22 13:17*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/17/22 13:17*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/17/22 13:17*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/17/22 13:17*	*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		11/18/22 08:41	11/21/22 17:10	1

Client Sample ID: MW-9112D

Date Collected: 11/15/22 10:40
Date Received: 11/16/22 13:30

Lab Sample ID: 480-203965-6
Matrix: WG

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		11/18/22 08:41	11/21/22 17:10	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 17:10	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 17:10	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 17:10	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 17:10	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 17:10	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 17:10	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 17:10	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 17:10	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 17:10	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 17:10	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 17:10	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 17:10	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 17:10	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*74*		*46 - 120*	*11/18/22 08:41*	*11/21/22 17:10*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*11/18/22 08:41*	*11/21/22 17:10*	*1*
p-Terphenyl-d14 (Surr)	*110*		*60 - 148*	*11/18/22 08:41*	*11/21/22 17:10*	*1*

Client Sample ID: MW-9112S

Date Collected: 11/15/22 09:20
Date Received: 11/16/22 13:30

Lab Sample ID: 480-203965-7
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			11/17/22 13:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 13:40	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 13:40	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 13:40	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 13:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/17/22 13:40*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/17/22 13:40*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/17/22 13:40*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*11/17/22 13:40*	*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		11/18/22 08:41	11/21/22 17:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 17:37	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 17:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 17:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 17:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 17:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 17:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 17:37	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 17:37	1

Client Sample ID: MW-9112S
Lab Sample ID: 480-203965-7

Date Collected: 11/15/22 09:20
Matrix: WG
Date Received: 11/16/22 13:30

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		11/18/22 08:41	11/21/22 17:37	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 17:37	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 17:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 17:37	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 17:37	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 17:37	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*71*		*46 - 120*	*11/18/22 08:41*	*11/21/22 17:37*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*11/18/22 08:41*	*11/21/22 17:37*	*1*
p-Terphenyl-d14 (Surr)	*102*		*60 - 148*	*11/18/22 08:41*	*11/21/22 17:37*	*1*

Client Sample ID: MW-9114S
Lab Sample ID: 480-203965-8

Date Collected: 11/15/22 13:55
Matrix: WG
Date Received: 11/16/22 13:30

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			11/17/22 14:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 14:03	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 14:03	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 14:03	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 14:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*11/17/22 14:03*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/17/22 14:03*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/17/22 14:03*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*11/17/22 14:03*	*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		11/18/22 08:41	11/21/22 18:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 18:05	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 18:05	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:05	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:05	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:05	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 18:05	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 18:05	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 18:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 18:05	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 18:05	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:05	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:05	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 18:05	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 18:05	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:05	1

Client Sample ID: MW-9114S

Lab Sample ID: 480-203965-8

Date Collected: 11/15/22 13:55

Matrix: WG

Date Received: 11/16/22 13:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*62*		*46 - 120*	*11/18/22 08:41*	*11/21/22 18:05*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*11/18/22 08:41*	*11/21/22 18:05*	*1*
p-Terphenyl-d14 (Surr)	*84*		*60 - 148*	*11/18/22 08:41*	*11/21/22 18:05*	*1*

Client Sample ID: MW-9502S

Lab Sample ID: 480-203965-9

Date Collected: 11/15/22 09:15

Matrix: WG

Date Received: 11/16/22 13:30

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			11/17/22 14:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 14:26	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 14:26	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 14:26	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 14:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*11/17/22 14:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/17/22 14:26*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*11/17/22 14:26*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*11/17/22 14:26*	*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		11/18/22 08:41	11/21/22 18:32	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 18:32	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 18:32	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:32	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:32	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:32	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 18:32	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 18:32	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 18:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 18:32	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 18:32	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:32	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 18:32	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 18:32	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*70*		*46 - 120*	*11/18/22 08:41*	*11/21/22 18:32*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*11/18/22 08:41*	*11/21/22 18:32*	*1*
p-Terphenyl-d14 (Surr)	*99*		*60 - 148*	*11/18/22 08:41*	*11/21/22 18:32*	*1*

Client Sample ID: PTMW-0202
Lab Sample ID: 480-203965-10

Date Collected: 11/15/22 10:55
Matrix: WG

Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**460**		10	4.1	ug/L			11/18/22 23:32	10
Ethylbenzene	ND		10	7.4	ug/L			11/18/22 23:32	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			11/18/22 23:32	10
o-Xylene	**8.4**	**J**	10	7.6	ug/L			11/18/22 23:32	10
Toluene	ND		10	5.1	ug/L			11/18/22 23:32	10
Xylenes, Total	**8.4**	**J**	20	6.6	ug/L			11/18/22 23:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/18/22 23:32*	*10*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/18/22 23:32*	*10*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/18/22 23:32*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/18/22 23:32*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**60**	**F1** J	25	2.1	ug/L		11/18/22 08:41	11/21/22 14:24	5
Acenaphthylene	ND		25	1.9	ug/L		11/18/22 08:41	11/21/22 14:24	5
Anthracene	ND		25	1.4	ug/L		11/18/22 08:41	11/21/22 14:24	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/18/22 08:41	11/21/22 14:24	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/18/22 08:41	11/21/22 14:24	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/18/22 08:41	11/21/22 14:24	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/18/22 08:41	11/21/22 14:24	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/18/22 08:41	11/21/22 14:24	5
Chrysene	ND		25	1.7	ug/L		11/18/22 08:41	11/21/22 14:24	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/18/22 08:41	11/21/22 14:24	5
Fluoranthene	ND		25	2.0	ug/L		11/18/22 08:41	11/21/22 14:24	5
Fluorene	**13**	**J**	25	1.8	ug/L		11/18/22 08:41	11/21/22 14:24	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/18/22 08:41	11/21/22 14:24	5
Naphthalene	**43**	**F1** J	25	3.8	ug/L		11/18/22 08:41	11/21/22 14:24	5
Phenanthrene	ND		25	2.2	ug/L		11/18/22 08:41	11/21/22 14:24	5
Pyrene	ND		25	1.7	ug/L		11/18/22 08:41	11/21/22 14:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*53*		*46 - 120*	*11/18/22 08:41*	*11/21/22 14:24*	*5*
2-Fluorobiphenyl	*77*		*48 - 120*	*11/18/22 08:41*	*11/21/22 14:24*	*5*
p-Terphenyl-d14 (Surr)	*91*		*60 - 148*	*11/18/22 08:41*	*11/21/22 14:24*	*5*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-203965-11

Date Collected: 11/15/22 00:00
Matrix: WQ

Date Received: 11/16/22 13:30

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			11/17/22 15:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 15:11	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 15:11	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 15:11	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 15:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 15:11	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-203965-11

Date Collected: 11/15/22 00:00
Matrix: WQ
Date Received: 11/16/22 13:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/17/22 15:11*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/17/22 15:11*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/17/22 15:11*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*11/17/22 15:11*	*1*

Client Sample ID: DUP-111522
Lab Sample ID: 480-203965-12

Date Collected: 11/15/22 00:00
Matrix: Water
Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**460**	**E**	1.0	0.41	ug/L			11/17/22 15:34	1
Ethylbenzene	**0.84**	**J**	1.0	0.74	ug/L			11/17/22 15:34	1
m-Xylene & p-Xylene	**2.5**		2.0	0.66	ug/L			11/17/22 15:34	1
o-Xylene	**9.1**		1.0	0.76	ug/L			11/17/22 15:34	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 15:34	1
Xylenes, Total	**12**		2.0	0.66	ug/L			11/17/22 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*77 - 120*		*11/17/22 15:34*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/17/22 15:34*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 123*		*11/17/22 15:34*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/17/22 15:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**460**	D	10	4.1	ug/L			11/18/22 23:55	10
Ethylbenzene	ND		10	7.4	ug/L			11/18/22 23:55	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			11/18/22 23:55	10
o-Xylene	**8.6**	**J**	10	7.6	ug/L			11/18/22 23:55	10
Toluene	ND		10	5.1	ug/L			11/18/22 23:55	10
Xylenes, Total	**8.6**	**J**	20	6.6	ug/L			11/18/22 23:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*11/18/22 23:55*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*11/18/22 23:55*	*10*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/18/22 23:55*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/18/22 23:55*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**79**	**E**	5.0	0.41	ug/L		11/18/22 08:41	11/21/22 18:59	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 18:59	1
Anthracene	**1.3**	**J**	5.0	0.28	ug/L		11/18/22 08:41	11/21/22 18:59	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:59	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:59	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:59	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 18:59	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 18:59	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 18:59	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 18:59	1

Client Sample ID: DUP-111522

Lab Sample ID: 480-203965-12

Date Collected: 11/15/22 00:00

Matrix: Water

Date Received: 11/16/22 13:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1.3**	**J**	5.0	0.40	ug/L		11/18/22 08:41	11/21/22 18:59	1
Fluorene	**20**		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 18:59	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 18:59	1
Naphthalene	**60**		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 18:59	1
Phenanthrene	**2.2**	**J**	5.0	0.44	ug/L		11/18/22 08:41	11/21/22 18:59	1
Pyrene	**1.3**	**J**	5.0	0.34	ug/L		11/18/22 08:41	11/21/22 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*81*		*46 - 120*	*11/18/22 08:41*	*11/21/22 18:59*	*1*
2-Fluorobiphenyl	*109*		*48 - 120*	*11/18/22 08:41*	*11/21/22 18:59*	*1*
p-Terphenyl-d14 (Surr)	*108*		*60 - 148*	*11/18/22 08:41*	*11/21/22 18:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**78**	D	25	2.1	ug/L		11/18/22 08:41	11/22/22 11:08	5
Acenaphthylene	ND		25	1.9	ug/L		11/18/22 08:41	11/22/22 11:08	5
Anthracene	ND		25	1.4	ug/L		11/18/22 08:41	11/22/22 11:08	5
Benzo[a]anthracene	ND		25	1.8	ug/L		11/18/22 08:41	11/22/22 11:08	5
Benzo[a]pyrene	ND		25	2.4	ug/L		11/18/22 08:41	11/22/22 11:08	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		11/18/22 08:41	11/22/22 11:08	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		11/18/22 08:41	11/22/22 11:08	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		11/18/22 08:41	11/22/22 11:08	5
Chrysene	ND		25	1.7	ug/L		11/18/22 08:41	11/22/22 11:08	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		11/18/22 08:41	11/22/22 11:08	5
Fluoranthene	ND		25	2.0	ug/L		11/18/22 08:41	11/22/22 11:08	5
Fluorene	**19**	**J**	25	1.8	ug/L		11/18/22 08:41	11/22/22 11:08	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		11/18/22 08:41	11/22/22 11:08	5
Naphthalene	**60**		25	3.8	ug/L		11/18/22 08:41	11/22/22 11:08	5
Phenanthrene	**2.3**	**J**	25	2.2	ug/L		11/18/22 08:41	11/22/22 11:08	5
Pyrene	ND		25	1.7	ug/L		11/18/22 08:41	11/22/22 11:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*11/18/22 08:41*	*11/22/22 11:08*	*5*
2-Fluorobiphenyl	*101*		*48 - 120*	*11/18/22 08:41*	*11/22/22 11:08*	*5*
p-Terphenyl-d14 (Surr)	*92*		*60 - 148*	*11/18/22 08:41*	*11/22/22 11:08*	*5*

Client Sample ID: FB-01-111522

Lab Sample ID: 480-203965-13

Date Collected: 11/15/22 12:00

Matrix: Water

Date Received: 11/16/22 13:30

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			11/17/22 15:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 15:57	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 15:57	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 15:57	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 15:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/17/22 15:57*	*1*

Client Sample ID: FB-01-111522

Lab Sample ID: 480-203965-13

Date Collected: 11/15/22 12:00

Matrix: Water

Date Received: 11/16/22 13:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/17/22 15:57*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*11/17/22 15:57*	*1*
Toluene-d8 (Surr)	*86*		*80 - 120*		*11/17/22 15:57*	*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		11/18/22 08:41	11/21/22 19:27	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/18/22 08:41	11/21/22 19:27	1
Anthracene	ND		5.0	0.28	ug/L		11/18/22 08:41	11/21/22 19:27	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 19:27	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 19:27	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 19:27	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/18/22 08:41	11/21/22 19:27	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/18/22 08:41	11/21/22 19:27	1
Chrysene	ND		5.0	0.33	ug/L		11/18/22 08:41	11/21/22 19:27	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/18/22 08:41	11/21/22 19:27	1
Fluoranthene	ND		5.0	0.40	ug/L		11/18/22 08:41	11/21/22 19:27	1
Fluorene	ND		5.0	0.36	ug/L		11/18/22 08:41	11/21/22 19:27	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/18/22 08:41	11/21/22 19:27	1
Naphthalene	ND		5.0	0.76	ug/L		11/18/22 08:41	11/21/22 19:27	1
Phenanthrene	ND		5.0	0.44	ug/L		11/18/22 08:41	11/21/22 19:27	1
Pyrene	ND		5.0	0.34	ug/L		11/18/22 08:41	11/21/22 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*77*		*46 - 120*	*11/18/22 08:41*	*11/21/22 19:27*	*1*
2-Fluorobiphenyl	*106*		*48 - 120*	*11/18/22 08:41*	*11/21/22 19:27*	*1*
p-Terphenyl-d14 (Surr)	*131*		*60 - 148*	*11/18/22 08:41*	*11/21/22 19:27*	*1*

Client Sample ID: EB-01-111522

Lab Sample ID: 480-203965-14

Date Collected: 11/15/22 12:10

Matrix: Water

Date Received: 11/16/22 13:30

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			11/17/22 16:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/17/22 16:20	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/17/22 16:20	1
o-Xylene	ND		1.0	0.76	ug/L			11/17/22 16:20	1
Toluene	ND		1.0	0.51	ug/L			11/17/22 16:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/17/22 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*11/17/22 16:20*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/17/22 16:20*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/17/22 16:20*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*11/17/22 16:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.2	0.43	ug/L		11/18/22 08:41	11/21/22 19:54	1

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

Job ID: 480-203965-1

Client Sample ID: EB-01-111522
Date Collected: 11/15/22 12:10
Date Received: 11/16/22 13:30

Lab Sample ID: 480-203965-14
Matrix: Water

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

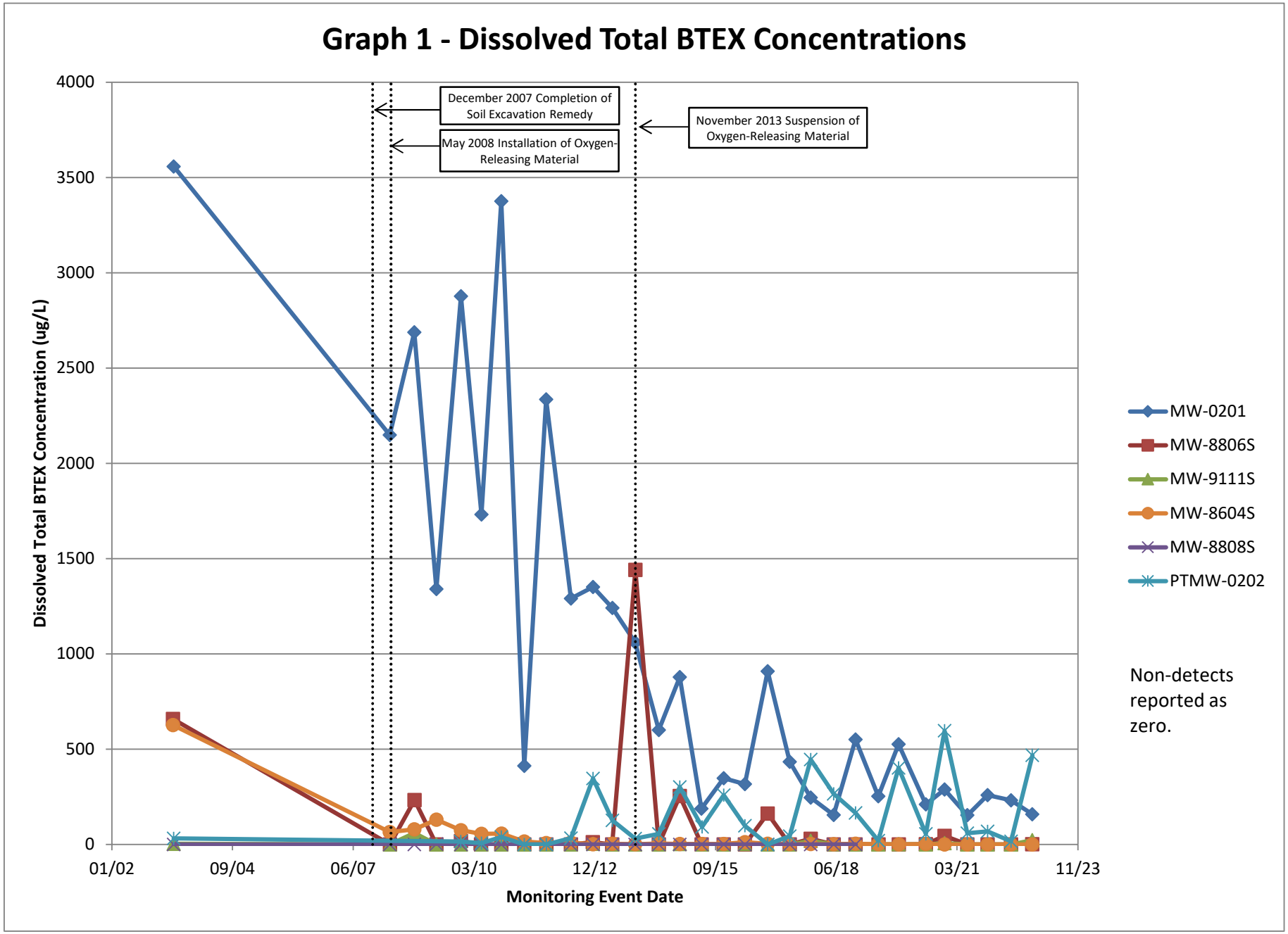
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.2	0.40	ug/L		11/18/22 08:41	11/21/22 19:54	1
Anthracene	ND		5.2	0.29	ug/L		11/18/22 08:41	11/21/22 19:54	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 19:54	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 19:54	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 19:54	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/18/22 08:41	11/21/22 19:54	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/18/22 08:41	11/21/22 19:54	1
Chrysene	ND		5.2	0.34	ug/L		11/18/22 08:41	11/21/22 19:54	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/18/22 08:41	11/21/22 19:54	1
Fluoranthene	ND		5.2	0.42	ug/L		11/18/22 08:41	11/21/22 19:54	1
Fluorene	ND		5.2	0.38	ug/L		11/18/22 08:41	11/21/22 19:54	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/18/22 08:41	11/21/22 19:54	1
Naphthalene	ND		5.2	0.79	ug/L		11/18/22 08:41	11/21/22 19:54	1
Phenanthrene	ND		5.2	0.46	ug/L		11/18/22 08:41	11/21/22 19:54	1
Pyrene	ND		5.2	0.35	ug/L		11/18/22 08:41	11/21/22 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*78*		*46 - 120*	*11/18/22 08:41*	*11/21/22 19:54*	*1*
2-Fluorobiphenyl	*98*		*48 - 120*	*11/18/22 08:41*	*11/21/22 19:54*	*1*
p-Terphenyl-d14 (Surr)	*121*		*60 - 148*	*11/18/22 08:41*	*11/21/22 19:54*	*1*

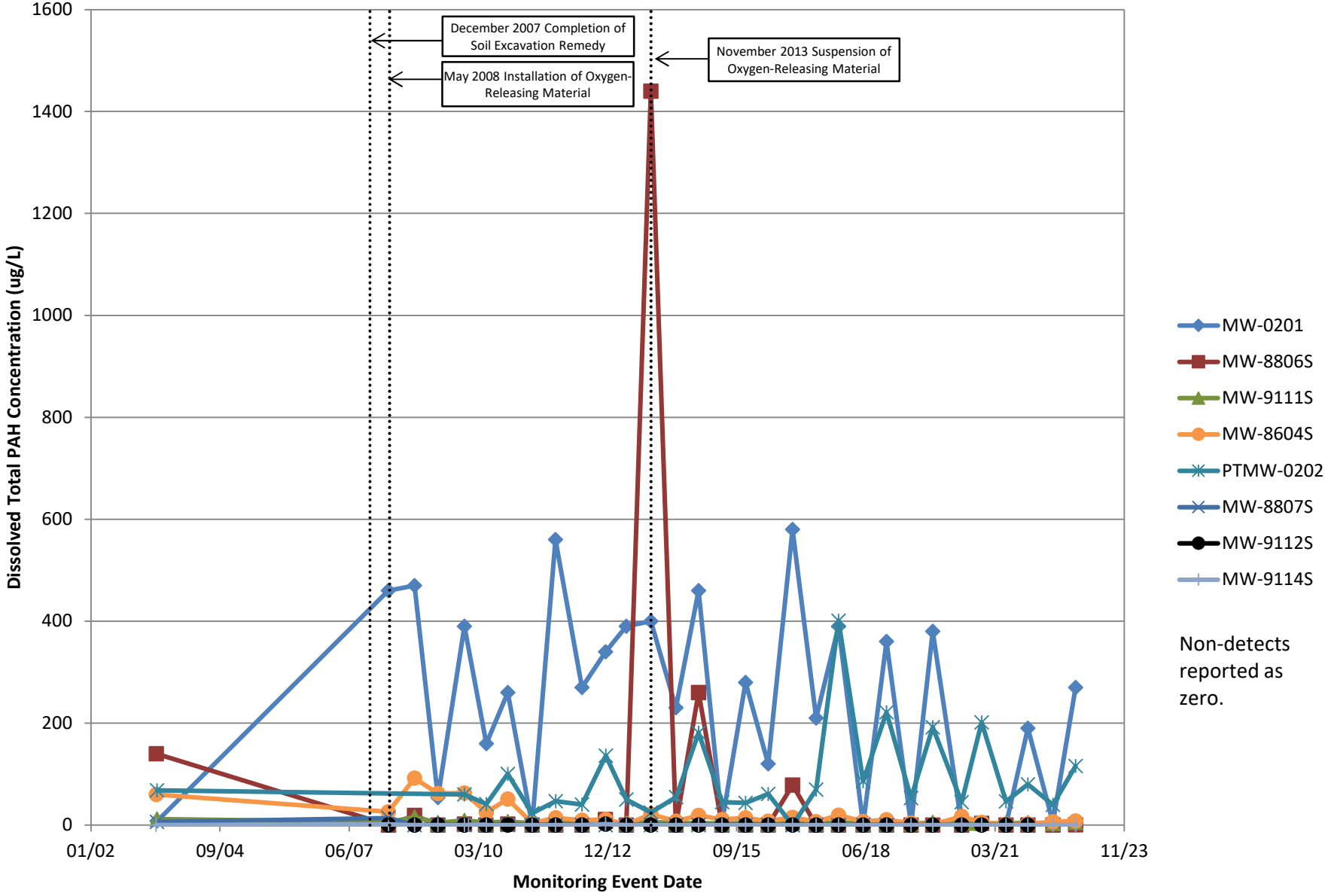
Appendix D

Graphs

Graph 1 - Dissolved Total BTEX Concentrations



Graph 2 - Dissolved Total PAH Concentrations

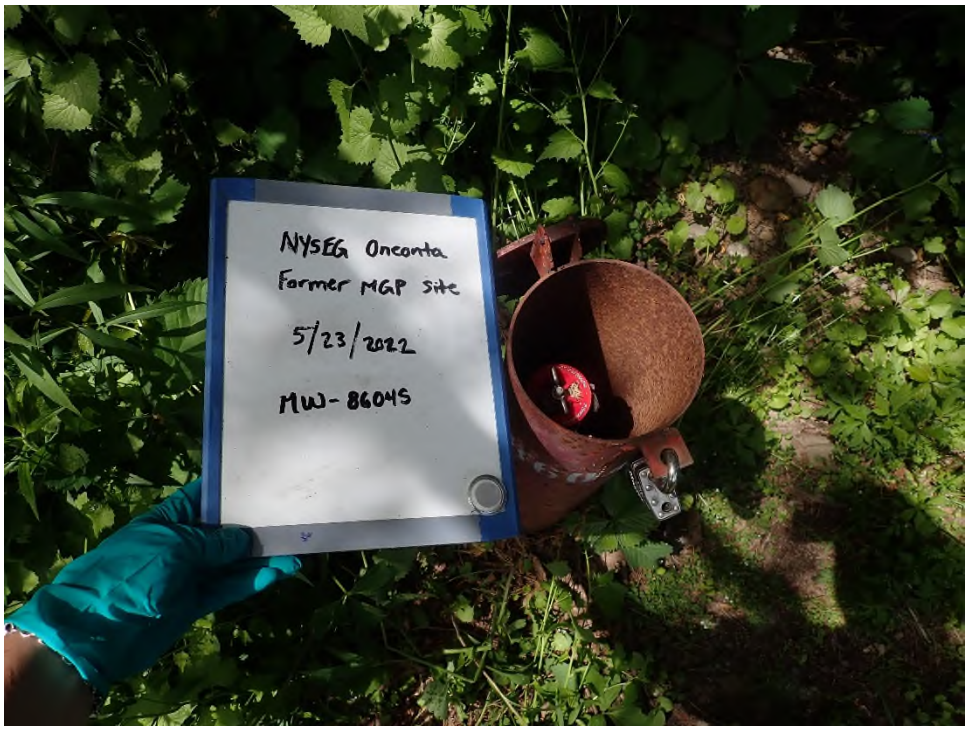


Appendix E

Well Inspection Photograph Log

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York



Photograph: 1

Well ID:
MW-8604S

Description:
Photograph showing MW-8604S. Well is a stick-up and in good condition with a lockable lid.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 2

Well ID:
MW-8806S

Description:
Photograph showing MW-8806S. Well is in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

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Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 3

Well ID:
MW-8807S

Description:
Photograph showing MW-8807S. Well is in good condition with locking well cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 4

Well ID:
MW-8808S

Description:
Photograph showing MW-8808S. Well is in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

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Oneonta, New York

Photograph: 5

Well ID:
MW-9109S

Description:
Photograph showing MW-9109S. Well is in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 6

Well ID:
MW-9110S

Description:
Photograph showing MW-9110S. Well is in good condition with locking well cap.

Photograph taken by:
KCF

Date: 5/23/2022

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Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 7

Well ID:
MW-9111S

Description:
Photograph showing MW-9111S. Well is in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 8

Well ID:
MW-9112S

Description:
Photograph showing MW-9112S. Well is in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

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Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 9

Well ID:
MW-9112D

Description:
Photograph showing MW-9112D. Well is in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 10

Well ID:
MW-9114S

Description:
Photograph showing MW-9114S. Well is in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

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Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 11

Well ID:
MW-9502S

Description:
Photograph showing MW-9502S. Well is in good condition with locking well cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 12

Well ID:
MW-0201

Description:
Photograph showing MW-0201. Well is in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

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Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 13

Well ID:
MW-0203

Description:
Photograph showing MW-0203. Well was damaged in 2021 by City construction work. Surface completion repaired and well redeveloped April 2022.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 14

Well ID:
MW-0301

Description:
Photograph showing MW-0301. Well is in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

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Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 15

Well ID:
PTMW-0202

Description:
Photograph showing PTMW-0202. Well is in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 16

Well ID:
NRW-01

Description:
Photograph showing NRW-01. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 17

Well ID:
NRW-02

Description:
Photograph showing NRW-02. Well in good condition with locking cap. New Pavement around well.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 18

Well ID:
PMW-01

Description:
Photograph showing PMW-01. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 19

Well ID:
PMW-02

Description:
Photograph showing PMW-02. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 20

Well ID:
PMW-03

Description:
Photograph showing PMW-03. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 21

Well ID:
PMW-04

Description:
Photograph showing PMW-04. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 22

Well ID:
PMW-05

Description:
Photograph showing PMW-05. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 23

Well ID:
PMW-06

Description:
Photograph showing PMW-06. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 24

Well ID:
PMW-07

Description:
Photograph showing PMW-07. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 25

Well ID:
PMW-08

Description:
Photograph showing PMW-08. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 26

Well ID:
PMW-09

Description:
Photograph showing PMW-09. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 27

Well ID:
PMW-10

Description:
Photograph showing PMW-10. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 28

Well ID:
PMW-11

Description:
Photograph showing PMW-11. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 29

Well ID:
PMW-12

Description:
Photograph showing PMW-12. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 30

Well ID:
PMW-13

Description:
Photograph showing PMW-13. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 31

Well ID:
PMW-14

Description:
Photograph showing PMW-14. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 32

Well ID:
PZ-105

Description:
Photograph showing PZ-105. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 33

Well ID:
PZ-0801

Description:
Photograph showing PZ-0801. Well in good condition with locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 34

Well ID:
PZ-0802

Description:
Photograph showing PZ-0802. Concrete apron surrounding flush-mount road box is weathered and cracked, however still structurally sound. Well has locking cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

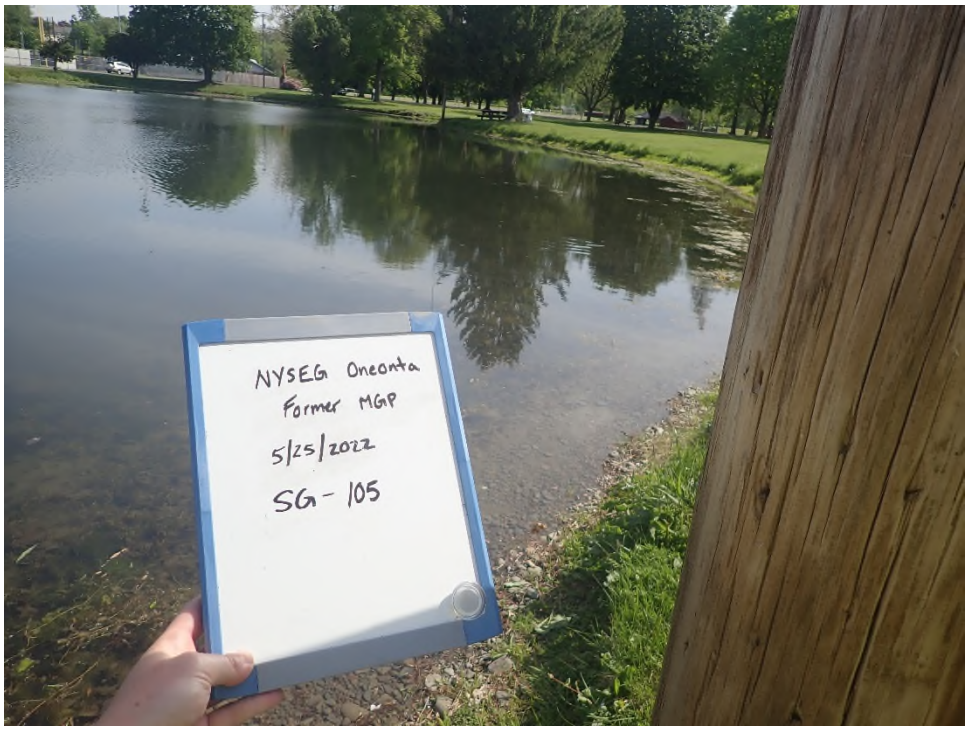
Photograph: 35

Well ID:
PZ-0803

Description:
Photograph showing PZ-0803. Concrete apron surrounding flush-mount road box is weathered and cracked, however still structurally sound. Well has locking cap.

Photograph taken by:
KCF

Date: 5/23/2022



Photograph: 36

Staff Gauge ID:
SG-105

Description:
Photograph showing SG-105. Staff gauge is in good condition.

Photograph taken by:
KCF

Date: 5/25/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

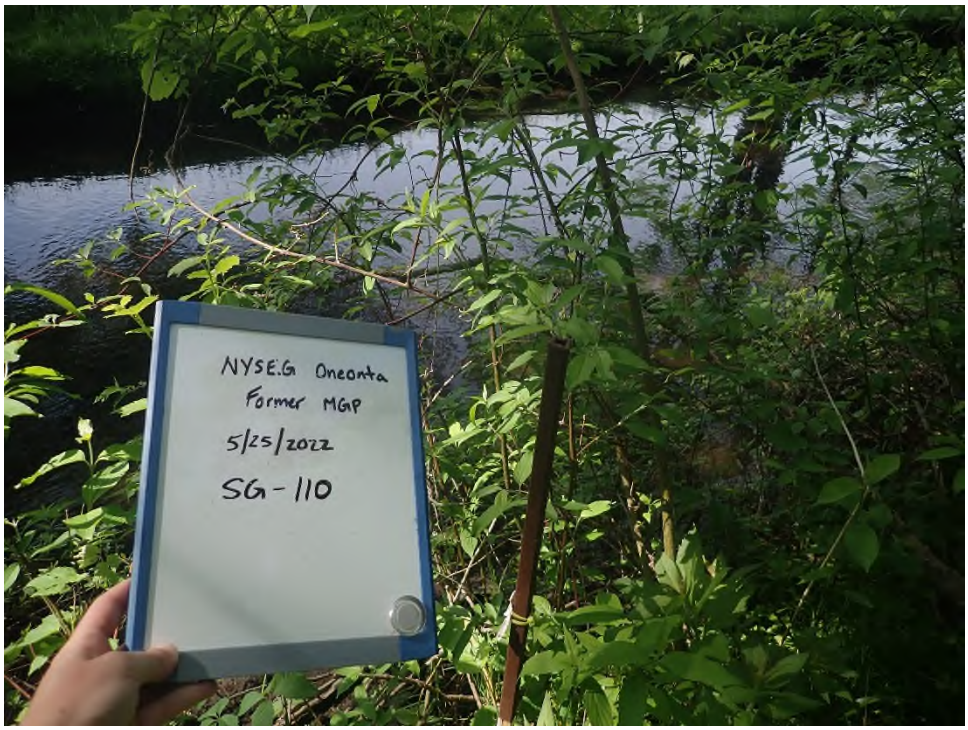
Photograph: 37

Staff Gauge ID:
SG-107

Description:
Photograph showing 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: 5/25/2022



Photograph: 38

Staff Gauge ID:
SG-110

Description:
Photograph showing SG-110. Staff gauge is in good condition.

Photograph taken by:
KCF

Date: 5/25/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 39

Staff Gauge ID:
SG-111

Description:
Photograph showing SG-111. Staff gauge is in good condition.

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 40

Well ID:
AW-01

Description:
Photograph showing AW-01. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

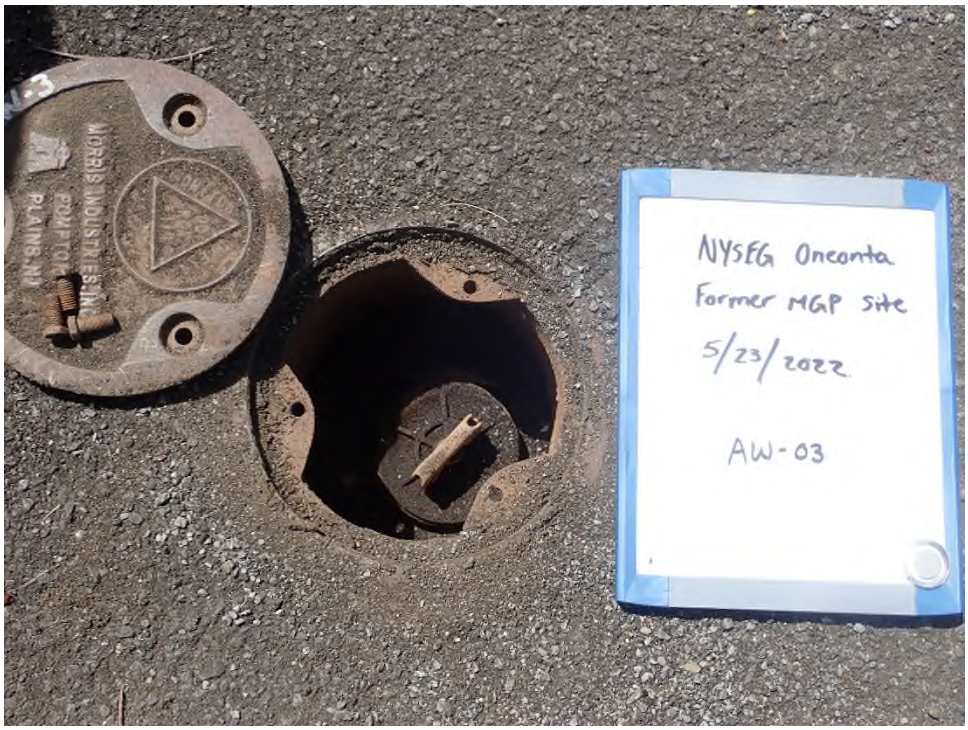
Photograph: 41

Well ID:
AW-02

Description:
Photograph showing AW-02. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022



Photograph: 42

Well ID:
AW-03

Description:
Photograph showing AW-03. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 43

Well ID:
AW-04

Description:
Photograph showing AW-04. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 44

Well ID:
AW-05

Description:
Photograph showing AW-05. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 45

Well ID:
AW-06

Description:
Photograph showing AW-06. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 46

Well ID:
AW-07

Description:
Photograph showing AW-07. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 47

Well ID:
AW-08

Description:
Photograph showing AW-08. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 48

Well ID:
AW-09

Description:
Photograph showing AW-09. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 49

Well ID:
AW-10

Description:
Photograph showing AW-10. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 50

Well ID:
AW-11

Description:
Photograph showing AW-11. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 51

Well ID:
AW-12

Description:
Photograph showing AW-12. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 52

Well ID:
AW-13

Description:
Photograph showing AW-13. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 53

Well ID:
AW-14

Description:
Photograph showing AW-14. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

Photograph: 54

Well ID:
AW-15

Description:
Photograph showing AW-15. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 55

Well ID:
AW-16

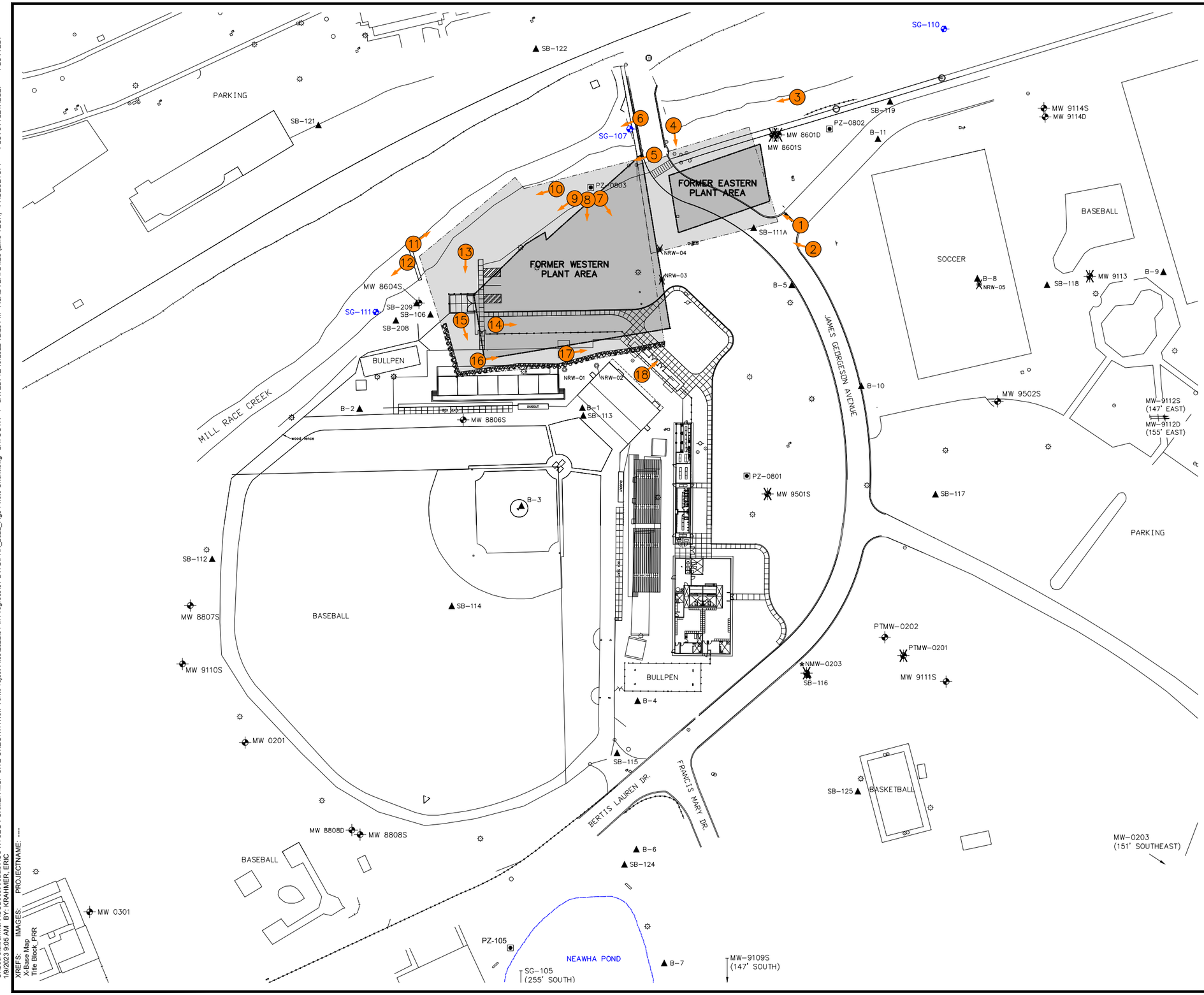
Description:
Photograph showing AW-16. Well is in good condition with secure cap.

Photograph taken by:
KCF

Date: 5/23/2022

Appendix F

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
- WELL EQUIPPED WITH SUMP
- PIEZOMETER
- MONITORING WELL THAT NO LONGER EXISTS
- NAPL RECOVERY WELL THAT NO LONGER EXISTS
- 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
F-1

APPENDIX F – SITE INSPECTION PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 1

Description:
Picture showing soil coverage for the Eastern Plant Area (EPA). Photo indicates cover in good condition; no repair needed.

Direction: NNW

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 2

Description:
Picture showing soil coverage for the EPA. Photo indicates cover in good condition; no repair needed.

Direction: NW

Photograph taken by:
KCF

Date: 5/25/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 3

Description:
Picture showing soil coverage for the EPA. Photo indicates cover in good condition; no repair needed.

Direction: W

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 4

Description:
Picture showing roadway traversing the EPA. Photo indicates cover in good condition; no repair needed.

Direction: S

Photograph taken by:
KCF

Date: 5/25/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 5

Description:
Picture showing riprap coverage for Mill Race Creek embankment in the vicinity of the Western Plant Area (WPA). Coverage appears in good condition, no repair needed.

Direction: W

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 6

Description:
Picture showing riprap coverage for Mill Race Creek embankment from a different angle in the vicinity of the WPA. Coverage appears in good condition, no repair needed.

Direction: W

Photograph taken by:
KCF

Date: 5/25/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 7

Description:
Picture showing parking lot that covers the WPA. Photo indicates cover is in good condition; no repair needed.

Direction: SSE

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 8

Description:
Picture showing continuation of the parking lot that covers the WPA. Photo indicates cover is in good condition; no repair needed.

Direction: SSW

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 9

Description:
Picture showing continuation of the parking lot that covers the WPA. Photo indicates cover is in good condition; no repair needed.

Direction: WSW

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 10

Description:
Picture showing continuation of the parking lot that covers the WPA and the riprap covered embankment of the Mill Race Creek. Photo indicates cover is in good condition; no repair needed.

Direction: W

Photograph taken by:
KCF

Date: 5/25/2022

NYSEG
Oneonta Former MGP Site / 30126801
Oneonta, New York

Photograph: 11

Description:
Picture showing close-up of riprap embankment cover for the Mill Race Creek looking northeast. Photo indicates cover is in good condition; no repair needed.

Direction: NE

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 12

Description:
Picture showing riprap embankment cover for the Mill Race Creek, walking trail looking southwest. Photo indicates cover is in good condition; no repair needed.

Direction: SW

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 13

Description:
Picture showing concrete sidewalks and ballpark fencing covering the WPA. Photo indicates cover is in good condition; no repair needed.

Direction: S

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 14

Description:
Picture showing coverage over the WPA. Parking lot, sidewalk and grass area appear in good condition; no repair needed.

Direction: E

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 15

Description:
Picture showing coverage over WPA. Grass area and pavement behind bleachers appear in good condition; no repair needed.

Direction: E

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 16

Description:
Picture showing paved area behind bleachers and pavement directly over the permeable wall. Photo indicates cover is in good condition; no repair needed.

Direction: E

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 17

Description:
Picture showing continuation of paved area behind bleachers and pavement directly over the permeable wall. Photo indicates cover is in good condition; no repair needed.

Direction: E

Photograph taken by:
KCF

Date: 5/25/2022

Photograph: 18

Description:
Picture showing cover over the southeastern corner of the WPA and the permeable wall. Photo indicates cover is in good condition; no repair needed.

Direction: NE

Photograph taken by:
KCF

Date: 5/25/2022

Appendix G

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

11/1/2022

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, 2023**. 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 Scott Deyette, the Project Manager, at 518-402-9794 or scott.deyette@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
Scott Deyette, Project Manager
Janet Brown, Section Chief
Christopher O'Neill, Hazardous Waste Remediation Supervisor, Region 4
Arcadis of New York, Inc. - jason golubski - jason.golubski@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, 2021 to December 19, 2022

	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.

For NYSEG _____ 1-10-23

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

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
☒	☐

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
☒	☐

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.

For NYSEG _____ 1-10-23

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. 439001

Box 6

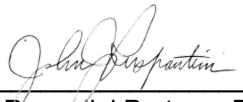
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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 at 18 Link Dr, Binghamton, NY 13904,
print name print business address

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

For NYSEG  1-10-23
Signature of Owner, Remedial Party, or Designated Representative Date
Rendering Certification

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 (print name) at 18 Link Dr, Binghamton, NY 13904 (print business address),

am certifying as a ~~Professional Engineer~~ QEP for the NYSEG/Remedial Party (Owner or Remedial Party)

For NYSEG  CHMM 10302 1-10-23

Signature of ~~Professional Engineer~~, for the Owner or Remedial Party, Rendering Certification QEP | 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.

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