

2021 Periodic Review Report

Oneonta Former MGP Site

NYSDEC Site Number: 4-39-001

January 2022

2021 PERIODIC REVIEW REPORT

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Prepared By:

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

Prepared For:

NYSEG
18 Link Drive
Binghamton, New York 13904

Our Ref:

30076033

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Contents

Acronyms and Abbreviations	iii
Executive Summary	1
1 Introduction.....	1
1.1 Background.....	1
1.1.1 Remediation Construction.....	1
1.1.2 Post-Remediation Groundwater Treatment.....	1
1.1.3 SMP Revisions.....	2
1.1.4 Emerging Contaminant Sampling.....	2
1.2 Objectives.....	3
2 Effectiveness Monitoring and Results	4
2.1 Potentiometric Surfaces and Groundwater Flow	4
2.2 NAPL Monitoring	5
2.3 Groundwater Quality	5
2.3.1 Dissolved BTEX.....	6
2.3.2 Dissolved PAHs	7
3 Operation and Maintenance	8
3.1 Well Network	8
3.1.1 Well Inspection	8
3.1.2 Depth to Bottom Assessment	9
3.2 Annual Site Inspection.....	10
4 Conclusions and Recommendations	11
4.1 Conclusions	11
4.2 Recommendations	11
5 Certification Statement	13
6 References	14

TABLES

Table 1. Monitoring, Operation and Maintenance Tasks

Table 2. Gauging Data

Table 3. Groundwater Analytical Results

FIGURES

Figure 1. Site Location Map

Figure 2. Permeable Wall and Associated Wells

Figure 3. Water Table Figure – May 26, 2021

Figure 4. Water Table Figure – November 10, 2021

Figure 5. Total BTEX Concentrations in Groundwater

Figure 6. Total PAH Concentrations in Groundwater

Figure 7. Photograph Orientation

APPENDICES

- A Absorbent Socks Photographic Log**
- B Laboratory Data Packages**
- C DUSRs**
- D Graphs**
- E Well Photographic Logs**
- F Site Inspection Photographic Logs**
- G Certification Statements**

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 the effectiveness monitoring and operation and maintenance (O&M) activities and results during the January 2021 through December 2021 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 that contained MGP-tar or elevated concentrations of polycyclic aromatic hydrocarbons (PAHs), 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 that contained MGP-tar or concentrations of PAHs 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).
- 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 eighth annual report since suspending groundwater enhancement.

Effectiveness monitoring, NAPL gauging, and O&M activities for the reporting period (May and November 2021 monitoring events) were conducted in accordance with the Site Management Plan (SMP) (Arcadis 2014a) and the SMP Addendum (Arcadis 2019b). 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, ethyl benzene, and xylenes (BTEX) and PAH groundwater concentrations since suspending groundwater enhancement.

2021 PERIODIC REVIEW REPORT

- Construction conducted by the City of Oneonta damaged monitoring well MW-0203 to the point that a representative groundwater sample from the location could not be attained during either the May 2021 or November 2021 monitoring event. This location will be repaired or replaced in 2022 and semi-annual sampling will resume.

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 replacement of the sorbent sock on a semi-annual basis.
- Continued semi-annual and annual monitoring well (MW), performance monitoring well (PMW), NRW, AW, staff gauge, and piezometer gauging as described in the SMP.
- Analyze groundwater samples collected from monitoring well MW-9111S for per- and polyfluoroalkyl substances (PFAS) on a triennial basis, with the first sample to be collected in May 2022 (NYSDEC 2020).
- Continued site inspections and site maintenance as described in the SMP.
- 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 2021 through December 2021 (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 2021 (annual) and November 2021 (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 that contained MGP-tar or elevated concentrations of PAHs, 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. The soil and sediment remedies for the site were completed by NYSEG in 2007.

The groundwater remedy consists of two components:

- Passive drainable MGP-related non-aqueous phase liquid (NAPL) removal.
- 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 2014a).

1.1.2 Post-Remediation Groundwater Treatment

In-situ groundwater treatment completed during the first five years of system operation (2008 through 2013) consisted of increasing the groundwater dissolved oxygen content through application of oxygen releasing compounds (Adventus ECH-O oxygen-releasing socks) to enhance dissolved-phase MGP-related contaminant natural biodegradation. 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 revised SMP is currently being drafted. This PRR represents the eighth annual report since suspending groundwater enhancement.

The SMP (forthcoming, revised) and SMP Addendum 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.
- Completed 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, groundwater samples from three monitoring wells (MW-0201, MW-9111S, and MW-9114S) were submitted 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.

1.2 Objectives

As presented in the SMP and SMP Addendum, 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.
- 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.
- 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 SMP Addendum 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 25-27, 2021	X	X	X	X
November Monitoring (Semi-Annual)	November 10-12, 2021	X	X		X

As described in the SMP and SMP Addendum, 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 nine MWs for BTEX and PAH analysis. As discussed in Section 3.1.1, a groundwater sample was not collected from MW-0203 during this reporting period because the well was damaged and requires repair and redevelopment.

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:

- 14 performance monitoring wells (PMW-01 through PMW-14).
- 14 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).
- 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 2021 gauging event is presented on Figure 3 and the potentiometric surface and groundwater flow direction for the November 2021 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. As presented in Table 2, since first gauged in April 2008, NAPL has not been observed in either of the NRWs.

As recommended in the sixth Annual Report (Arcadis 2014b), a NAPL sorbent sock was installed in AW-12 in 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 2021 monitoring event, approximately 10% of the outer surface of the sorbent material was coated with NAPL; approximately 10% of the sock was saturated with NAPL; and the bottom 6 inches of the canister was coated with NAPL.
- During the November 2021 monitoring event, 100% of the outer surface of the sorbent material was coated with NAPL; 100% of the sock was saturated with NAPL; and the bottom approximate 12 inches of the canister was coated with NAPL.

Following each monitoring event, the recovered sorbent socks were replaced and the old 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.

As further discussed in Section 3.1.1, MW-0203 was damaged from construction activities occurring at the park during this reporting period. The integrity of the well was compromised; 0.39 feet of sediment was measured in the well bottom and the riser was cracked, which potentially allows surface water

infiltration. Therefore, a representative sample from MW-0203 was not attainable and as such, the well was not sampled during this reporting period. Semi-annual sampling at MW-0203 will resume once the well is repaired and redeveloped or abandoned and reinstalled in 2022.

During the reporting period, groundwater samples collected from nine 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.
- PAHs by USEPA SW-846 Method 8270.

Analytical results are summarized in Table 3. For comparison purposes, baseline groundwater quality results collected in April 2008 and groundwater analytical results for samples collected for the subsequent 12 years of monitoring, as well as historical data from 2003, are also included in Table 3.

Arcadis reviewed the May and November 2021 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 2021 and the previous ten years of groundwater sample 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 2021 monitoring events indicate the following:

- During both the May and November 2021 monitoring events, BTEX was detected at concentrations greater than NYSDEC groundwater quality standards (GWQS) in groundwater collected from two perimeter wells (MW-0201 and PTMW-0202).
- Total BTEX concentrations have continued an overall decreasing trend or remained below detection limits for all perimeter wells, except PTMW-0202.
- Total BTEX concentrations at PTMW-0202 continue to fluctuate with a historical (slight) increasing trend. However, November 2021 total BTEX concentration data represents an order of magnitude decrease from the November 2020 results.
- At “internal” well MW-8806S (located approximately 50 feet downgradient from the former treatment area), total BTEX concentrations were not-detected. By 2018, total BTEX concentrations had reduced to non-detected levels, but increased in 2020, which corresponded to the time frame of the Damaschke Field construction/renovation activities conducted in late 2019.
- As indicated above, detected BTEX concentrations during the May 2021 monitoring event were generally less than the November 2021 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 2021 and the previous ten years of groundwater sampling 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 2021 monitoring events indicated the following:

- During the May 2021 monitoring event, only Naphthalene was detected at a concentration greater than GWQS in groundwater from one of the nine perimeter wells (i.e., PTMW-0202).
- During the November 2021 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 groundwater sampled 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 2021 monitoring event were generally less than the November 2021 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 remediation activities for the former MGP.

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.
- 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 2021 monitoring event to confirm the integrity of protective road boxes and surrounding concrete collars was maintained, locks were existing, and to identify potential repairs. Photographic documentation of the condition of each well associated with the site, including protective covers, locking devices, and overall integrity of the well is provided as Appendix E.

The City of Oneonta was developing an area near MW-0203 for a dog park during the May 2021 monitoring event. As a result of the construction activities, monitoring well MW-0203 was damaged as follows:

- The well was located under approximately 12" of soil.
- The surface completion was buried, damaged, and partially removed from the well.
- The locking cap was removed from the well.
- The top 1-2 feet of the PVC riser was damaged (bent and cracked).
- 0.39 feet of sediment was in the bottom of the well.

Arcadis spoke with a representative of the City of Oneonta about protecting the location from further damage during construction activities. The representative agreed to place a protective barrier around the location. To prevent further sedimentation of the well, Arcadis excavated and taped the cracked riser, and reinstalled the locking cap.

During the November 2021 monitoring event, Arcadis field personnel noted that the City of Oneonta completed construction of the dog park and had installed a protective manhole around MW-0203. Arcadis reassessed the well and did not observe additional damage. Using a steel bailer, Arcadis attempted to

remove accumulated sediment from the well, however, the bent riser prohibited lowering the bailer to the bottom of the well.

Recommendations to correct deficiencies are provided in Section 4.2.

Arcadis performed the following repairs during the May 2021 monitoring event:

- Replaced the flush-mounted surface completions at MW-9112S and MW-9114D.
- Reinstalled staff gauge SG-110 on the bank of Mill Race creek.
- Resurveyed the location and measuring point elevation of SG-110 and the measuring point elevation of the following wells where the riser was cut down to allow the surface completion lid to bolt securely (MW-9502S, PZ-0801, PZ-0802, PMW-02, PMW-07, and PMW-12).

3.1.2 Depth to Bottom Assessment

Depth to bottom measurements and accumulated thickness of sediments (e.g., silts, sands) 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 2021 monitoring event and the most recent depth to bottom measurements for the remaining wells and staff gauges were collected during the November 2021 monitoring event. A summary of the most recent gauging event results is provided below.

- Monitoring Wells:
 - 8 of the 14 wells did not contain measurable amounts of accumulated sediment.
 - 6 wells (MW-0203, MW-8806S, MW-9109S, MW-9110S, MW-9111S, and MW-9502S) contained less than 1 foot of accumulated sediment. Additional information regarding MW-0203 is provided in Section 3.1.1
- Application Wells:
 - 14 of the 16 AWs exhibited sediment accumulation, ranging from 0.07 feet (AW-16) to 2.48 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:
 - 9 of the 14 PMWs contained accumulated sediments ranging from 0.01 feet (PMW-09 and PMW-10) to 0.56 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 0.03 feet (PZ-0803) to 1.29 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 May 2021 monitoring event. As indicated above, SG-110 was reinstalled on the bank of Mill Race creek during the May 2021 monitoring event.

3.2 Annual Site Inspection

Arcadis completed an annual site inspection on May 25, 2021. 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. A photo location map is provided as Figure 7. 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.

Inspections of the site wells and staff gauges were also conducted during the May 2021 monitoring event. Excluding the damage to MW-0203, no significant deficiencies were identified during this reporting period.

4 Conclusions and Recommendations

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

4.1 Conclusions

A summary of pertinent conclusions, based on the results for the 2021 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 13 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 13 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.
 - 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 2021 monitoring event.
- Well Network:
 - Minor repairs were completed and surface completions were replaced at MW-9112S and MW-9114D during the May 2021 monitoring event.
 - Quantities of accumulated sediment observed within site 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.

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

2021 PERIODIC REVIEW REPORT

- 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 absorbent 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.
 - Repair and redevelopment MW-0203 prior to the May 2022 monitoring event, such that regular semi-annually sampling can resume at this location. During repair work, if it appears the well cannot be repaired satisfactorily, the location will be properly abandoned and replaced with a new well near the original MW-0203 location.
- Continue preparing annual PRRs as described in the NYSDEC's December 19, 2016 letter correspondence to NYSEG, and as described in the SMP and SMP Addendum.
- Analyze groundwater collected from monitoring well MW-9111S for PFAS on a triennial basis, with the first sample collected during May 2022 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
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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

Table 2
Gauging Data
Annual 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 (%)
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
				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
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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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

Table 2
Gauging Data
Annual 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 (%)
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
				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
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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
				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
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

Table 2
Gauging Data
Annual 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 (%)
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
				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
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
				November 10, 2021	5.54	1074.85	-	16.14	0.10	1.43

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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

Table 2
Gauging Data
Annual 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 (%)
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
				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
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

Table 2
Gauging Data
Annual 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 (%)
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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
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

Table 2
Gauging Data
Annual 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 (%)
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
				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						

Table 2
Gauging Data
Annual 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 (%)
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
				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

Table 2
Gauging Data
Annual 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 (%)
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	-	-	-	-	-	-
				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
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
				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

Table 2
Gauging Data
Annual 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 (%)
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
SG-107	1081.96	-	-	April 21, 2008	8.90	1073.06	-	-	-	-
				May 6, 2008	-	-	-	-	-	-
				August 5, 2008	-	-	-	-	-	-
				November 10, 2008	7.04	1074.92	-	-	-	-
				February 17, 2009	6.38	1075.58	-	-	-	-
				May 11, 2009	6.59	1075.37	-	-	-	-
				August 5, 2009	6.52	1075.44	-	-	-	-
				November 30, 2009	6.63	1075.33	-	-	-	-
				February 24, 2010	6.82	1075.14	-	-	-	-
				May 17, 2010	6.54	1075.42	-	-	-	-
				November 1, 2010	6.51	1075.45	-	-	-	-
				May 9, 2011	6.60	1075.36	-	-	-	-
				November 7, 2011	6.58	1075.38	-	-	-	-
				May 29, 2012	6.74	1075.22	-	-	-	-
				November 26, 2012	6.82	1075.14	-	-	-	-
				May 6, 2013	6.74	1075.22	-	-	-	-
				November 12, 2013	6.85	1075.11	-	-	-	-
				May 27, 2014	6.68	1075.28	-	-	-	-
				November 17, 2014	6.85	1075.11	-	-	-	-
				May 19, 2015	6.79	1075.17	-	-	-	-
				November 16, 2015	6.81	1075.15	-	-	-	-
				May 9, 2016	6.72	1075.24	-	-	-	-
				November 15, 2016	6.91	1075.05	-	-	-	-
				May 16, 2017	6.66	1075.30	-	-	-	-
				November 6, 2017	6.80	1075.16	-	-	-	-
				May 14, 2018	6.77	1075.19	-	-	-	-
				November 12, 2018	6.33	1075.63	-	-	-	-
				May 20, 2019	6.60	1075.36	-	-	-	-
				November 4, 2019	6.61	1075.35	-	-	-	-
				June 15, 2020	6.83	1075.13	-	-	-	-
				November 17, 2020	7.03	1074.93	-	-	-	-
				May 25, 2021	6.82	1075.14	-	-	-	-
				November 10, 2021	6.93	1075.03	-	-	-	-

Table 2
Gauging Data
Annual 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	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	-	-	-	-
				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	-	-	-	-
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	-	-	-	-

Table 2
Gauging Data
Annual 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	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	-	-	-	-
				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	-	-	-	-

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 Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-0201												
			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
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
Ethylbenzene	5	µg/L	500	550 D	660	290 D	670 D	380	810 DJ	100	640 D	290 J	480	350	390
m/p-Xylenes	--	µg/L	NA	100	NA	36	93	26 J	86	6.7 J	83	28	39	40	24
o-Xylene	--	µg/L	NA	180 D	NA	87 D	200 D	110	240 D	32	200 D	110	150	150	120
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
Xylenes (total)	5	µg/L	530	NA	310	110 D	290 D	140	350 D	39	280 D	140	190	190	140
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-0201												
			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	11/13/18	05/21/19	11/05/19	06/16/20
BTEX															
Benzene	1	µg/L	310	430	110	180	190	470	250	120	94	290 D	140	210	92 D
Ethylbenzene	5	µg/L	180	290	46	91	63	250	91	64	24	140 D	55	180	60
m/p-Xylenes	--	µg/L	13	28	10 U	4.8 J	6.1 J	44	12	3.7	3	21	8	32	9.7
o-Xylene	--	µg/L	79	120	31	68	54	140	75	54	31	99 D	46	94	46
Toluene	5	µg/L	4.8 J	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
Xylenes (total)	5	µg/L	92	150	31	73	60	180	87	58	34	120 D	54	130	56
Total BTEX	--	µg/L	587 J	878	187	347 J	316 J	908	433 J	245	154	550 D	252 J	525 J	210 D
PAHs															
Acenaphthene	20	µg/L	4.5 U	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
Acenaphthylene	--	µg/L	4.5 U	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
Anthracene	50	µg/L	4.5 U	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
Benzo(a)anthracene	0.002	µg/L	4.5 U	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
Benzo(a)pyrene	0	µg/L	4.5 U	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
Benzo(b)fluoranthene	0.002	µg/L	4.5 U	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
Benzo(g,h,i)perylene	--	µg/L	4.5 U	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
Benzo(k)fluoranthene	0.002	ug/L	4.5 U	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
Chrysene	0.002	µg/L	4.5 U	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
Dibenzo(a,h)anthracene	--	ug/L	4.5 U	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
Fluoranthene	50	µg/L	4.5 U	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
Fluorene	50	µg/L	4.5 U	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
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.5 U	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
Naphthalene	10	µg/L	230 D	460	4.3 J	280 D	120	580 D	210 D	390	5 U	360 D	5 U	380 D	110 U
Phenanthrene	50	µg/L	4.5 U	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
Pyrene	50	µg/L	4.5 U	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
Total PAHs	--	µg/L	230 D	460	4.3 J	280	120	580	210	390	ND	360 D	ND	380 D	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-0201			MW-0203									
			11/18/20	05/26/21	11/11/21	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
BTEX															
Benzene	1	µg/L	120	64	82	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	92	45	97	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
m/p-Xylenes	--	µg/L	18	6.9	13	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
o-Xylene	--	µg/L	55	35	63	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
Toluene	5	µg/L	3	2	3.3	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
Xylenes (total)	5	µg/L	73	42	76	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
Total BTEX	--	µg/L	288	153	258	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
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
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
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
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
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
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
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
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
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
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
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
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
Naphthalene	10	µg/L	0.9 J	5 U	190 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
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
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
Total PAHs	--	µg/L	0.9 J	ND	190 D	ND	ND	ND	ND	0.61 J	ND	ND	ND	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-0203												
			05/31/12	11/29/12	05/10/13	11/14/13	05/29/14	11/18/14	05/19/15	11/18/15	05/10/16	11/15/16	05/17/17	11/07/17	05/15/18
BTEX															
Benzene	1	µg/L	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	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
m/p-Xylenes	--	µg/L	2.0 U	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
o-Xylene	--	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
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
Xylenes (total)	5	µg/L	2.0 U	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
Total BTEX	--	µg/L	ND	1.62 J	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	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
Acenaphthylene	--	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Anthracene	50	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	--	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 UJ	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	--	ug/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Fluorene	50	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 UJ	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Naphthalene	10	µg/L	4.7 U	1.4 J	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Phenanthrene	50	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Pyrene	50	µg/L	4.7 U	4.7 U	4.8 U	5.2 U	4.6 U	4.8 U	5 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U
Total PAHs	--	µg/L	ND	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-0203					MW-0301							
			11/13/18	05/21/19	11/05/19	06/16/20	11/18/20	05/29/03	04/22/08	11/12/08	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 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
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
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
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
Xylenes (total)	5	µg/L	2 U	2 U	2 U	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
Total BTEX	--	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	5 U	5 U	5 U	5.4 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Acenaphthylene	--	µg/L	5 U	5 U	5 U	5.4 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Anthracene	50	µg/L	5 U	5 U	5 U	5.4 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5.4 U	5 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
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5.4 U	5 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
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5.4 U	5 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
Benzo(g,h,i)perylene	--	µg/L	5 U	5 U	5 U	5.4 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5.4 U	5 U	1 U	0.5 UJ	0.5 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5.4 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Dibenzo(a,h)anthracene	--	ug/L	5 U	5 U	5 U	5.4 U	5 U	1 U	0.5 U	0.5 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5.4 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Fluorene	50	µg/L	5 U	5 U	5 U	5.4 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5.4 U	5 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
Naphthalene	10	µg/L	5 U	5 U	5 U	5.4 U	1.1 J	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5.4 UB	5 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Pyrene	50	µg/L	5 U	5 U	5 U	5.4 U	5 U	10 U	0.50 U	0.50 U	0.48 U	0.48 U	0.52 U	0.47 U	4.7 U
Total PAHs	--	µg/L	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-0301						MW-8604S						
			11/08/11	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
BTEX															
Benzene	1	µg/L	1.0 U	1.0 U	1 U	1 U	1 U	1 U	360	22	33	43	24	20	31
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1 U	1 U	1 U	1 U	230	31	35	62	35	21	18
m/p-Xylenes	--	µg/L	2.0 U	2.0 U	2 U	2 U	2 U	2 U	NA	1.9 J	NA	6.8	2.8	2.3	2.0
o-Xylene	--	µg/L	1.0 U	1.0 U	1 U	1 U	1 U	1 U	NA	9.3	NA	17	11	10	5.2
Toluene	5	µg/L	1.0 U	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
Xylenes (total)	5	µg/L	2.0 U	2.0 U	2 U	2 U	2 U	2 U	32	NA	10	24	14	13	7.1
Total BTEX	--	µg/L	ND	ND	ND	ND	ND	ND	626 J	54 J	79 J	130	74 J	55 J	56
PAHs															
Acenaphthene	20	µg/L	4.8 U	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
Acenaphthylene	--	µg/L	4.8 U	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
Anthracene	50	µg/L	4.8 U	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
Benzo(a)anthracene	0.002	µg/L	4.8 U	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
Benzo(a)pyrene	0	µg/L	4.8 U	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
Benzo(b)fluoranthene	0.002	µg/L	4.8 U	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
Benzo(g,h,i)perylene	--	µg/L	4.8 U	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
Benzo(k)fluoranthene	0.002	ug/L	4.8 U	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
Chrysene	0.002	µg/L	4.8 U	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
Dibenzo(a,h)anthracene	--	ug/L	4.8 U	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
Fluoranthene	50	µg/L	4.8 U	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
Fluorene	50	µg/L	4.8 U	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
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.8 U	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
Naphthalene	10	µg/L	4.8 U	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
Phenanthrene	50	µg/L	4.8 U	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
Pyrene	50	µg/L	4.8 U	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
Total PAHs	--	µg/L	ND	ND	ND	ND	ND	ND	60 J	26 J	92 J	62 J	63 J	12 J	50 J

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-8604S												
			05/11/11	11/08/11	05/31/12	11/30/12	05/10/13	11/14/13	05/29/14	11/19/14	05/21/15	11/17/15	05/10/16	11/15/16	05/16/17
BTEX															
Benzene	1	µg/L	14	3.2	5.8	0.67 J	2.5	0.72 J	3.9	2.1	2.2	2.1	2.6	3.1	1.6
Ethylbenzene	5	µg/L	1.0 U	1.1	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.5	1 U	1 U
m/p-Xylenes	--	µg/L	2.0 U	2.0 U	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.7 J	2 U	2 U
o-Xylene	--	µg/L	0.83 J	2.0	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	0.83 J	2.0	1.9 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3.1	2 U	2 U
Total BTEX	--	µg/L	15 J	6.3	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
PAHs															
Acenaphthene	20	µg/L	2.3 J	7.9	7.3	7.9	1.5 J	16	6.1	14	8.8	11	3.7 J	12	5.3
Acenaphthylene	--	µg/L	4.8 U	0.52 J	4.7 U	1.2 J	4.7 U	2 J	0.42 J	1.8 J	0.73 J	1 J	0.49 J	0.75 J	5 U
Anthracene	50	µg/L	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U
Benzo(a)anthracene	0.002	µg/L	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U
Benzo(a)pyrene	0	µg/L	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U
Benzo(g,h,i)perylene	--	µg/L	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 UJ	4.8 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U
Chrysene	0.002	µg/L	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 UJ	5.1 U	4.7 U	5 U	4.8 U	5 U
Dibenzo(a,h)anthracene	--	ug/L	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U
Fluoranthene	50	µg/L	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	0.45 J	4.9 U	0.39 J	5.1 U	4.7 U	5 U	0.6 J	5 U
Fluorene	50	µg/L	4.8 U	1.3 J	1.4 J	1.5 J	4.7 U	2.4 J	1.2 J	2.3 J	1.6 J	2.1 J	0.99 J	1.4 J	1.1 J
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.8 U	4.7 U	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 UJ	5.1 U	4.7 U	5 UJ	4.8 U	5 U
Naphthalene	10	µg/L	1.6 J	3.6 J	4.7 U	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	2.6 J	4.8 U	5 U
Phenanthrene	50	µg/L	4.8 U	0.61 J	0.63 J	4.8 U	4.7 U	4.7 U	4.9 U	4.8 U	5.1 U	4.7 U	5 U	4.8 U	5 U
Pyrene	50	µg/L	4.8 U	4.7 U	4.7 U	0.34 J	4.7 U	0.42 J	4.9 U	0.34 J	5.1 U	4.7 U	5 U	0.54 J	5 U
Total PAHs	--	µg/L	3.9 J	14 J	9.3 J	11 J	1.5 J	21.3 J	7.72 J	18.8 J	11.1 J	14.1 J	7.78 J	15.3 J	6.4 J

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-8604S									MW-8806S			
			11/08/17	05/15/18	11/13/18	05/21/19	11/06/19	06/16/20	11/18/20	05/26/21	11/11/21	05/23/03	04/23/08	11/12/08	05/12/09
BTEX															
Benzene	1	µg/L	1.6	1.1	2.4	0.8 J	1 U	1.3	1 U	1 U	1 U	580	1.0 U	150 D	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8 J	1.0 U	26	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
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
Toluene	5	µg/L	1 U	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
Xylenes (total)	5	µg/L	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	74	NA	52	2.0 U
Total BTEX	--	µg/L	1.6	1.1	2.4	0.8 J	ND	1.3	ND	ND	ND	658	ND	232	ND
PAHs															
Acenaphthene	20	µg/L	15	5.5	7.6	3.2 J	5 U	11	3.6 J	1.2 J	1.8 J	2.8	0.50 U	10	0.48 U
Acenaphthylene	--	µg/L	1.4 J	0.5 J	1.1 J	5 U	0.4 J	0.78 J	0.6 J	5.2 U	0.59 J	1.6 J	0.50 U	0.90	0.48 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	10 U	0.50 U	0.50 U	0.48 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	1.0 U	0.50 U	0.50 U	0.48 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	1.0 U	0.50 U	0.50 U	0.48 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	1.0 U	0.50 U	0.50 U	0.48 U
Benzo(g,h,i)perylene	--	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	10 U	0.50 U	0.50 U	0.48 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	1 U	0.5 UJ	0.5 U	0.48 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	10 U	0.50 U	0.50 U	0.48 U
Dibenzo(a,h)anthracene	--	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	1 U	0.5 U	0.5 U	0.48 U
Fluoranthene	50	µg/L	0.66 J	5 U	0.52 J	5 U	5 U	0.45 J	0.55 J	5.2 U	5 U	10 U	0.50 U	0.50 U	0.48 U
Fluorene	50	µg/L	1.7 J	0.97 J	0.92 J	0.44 J	5 U	1.6 J	5 U	5.2 U	5 U	0.20 J	0.50 U	0.30 J	0.48 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.2 U	5 U	1.0 U	0.50 U	0.50 U	0.48 U
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	5 U	3.1 J	5 U	5.2 U	5 U	130	0.50 U	7.0	0.48 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 UB	5 U	5.2 U	5 U	0.40 J	0.50 U	0.60	0.48 U
Pyrene	50	µg/L	0.62 J	5 U	0.46 J	5 U	0.56 J	5 U	0.57 J	5.2 U	5 U	10 U	0.50 U	0.50 U	0.48 U
Total PAHs	--	ua/L	19.4 J	7.0 J	10.6 J	3.64 J	0.96 J	16.9 J	5.32 J	1.2 J	2.39 J	140 J	ND	19 J	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-8806S												
			12/01/09	05/18/10	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
BTEX															
Benzene	1	µg/L	14	1.0 U	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
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4	1 U	200 D	1 U	49	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	0.92 J	2 U	100	2 U	28	2 U	2 U
o-Xylene	--	µg/L	1.4	1.0 U	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
Toluene	5	µg/L	0.52 J	1.0 U	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
Xylenes (total)	5	µg/L	2.0	2.0 U	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
Total BTEX	--	µg/L	17 J	ND	ND	ND	ND	ND	11 J	ND	1,338 J	ND	254	ND	ND
PAHs															
Acenaphthene	20	µg/L	0.47 U	0.48 U	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
Acenaphthylene	--	µg/L	0.47 U	0.48 U	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
Anthracene	50	µg/L	0.47 U	0.48 U	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
Benzo(a)anthracene	0.002	µg/L	0.47 U	0.48 U	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
Benzo(a)pyrene	0	µg/L	0.47 U	0.48 U	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
Benzo(b)fluoranthene	0.002	µg/L	0.47 U	0.48 U	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
Benzo(g,h,i)perylene	--	µg/L	0.47 U	0.48 U	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
Benzo(k)fluoranthene	0.002	ug/L	0.47 U	0.48 U	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
Chrysene	0.002	µg/L	0.47 U	0.48 U	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
Dibenzo(a,h)anthracene	--	ug/L	0.47 U	0.48 U	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
Fluoranthene	50	µg/L	0.47 U	0.48 U	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
Fluorene	50	µg/L	0.47 U	0.48 U	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
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.47 U	0.48 U	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
Naphthalene	10	µg/L	2.0	0.48 U	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
Phenanthrene	50	µg/L	0.47 U	0.48 U	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
Pyrene	50	µg/L	0.47 U	0.48 U	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
Total PAHs	--	µg/L	2.0	ND	2.0 J	ND	ND	ND	11 J	ND	1,445 J	ND	260	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-8806S												MW-8807S
			05/11/16	11/16/16	05/17/17	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	05/28/03
BTEX															
Benzene	1	µg/L	1 U	100	1 U	24	1 U	1 U	1 U	1 U	0.60 J	23	1 U	1 U	96
Ethylbenzene	5	µg/L	1 U	31	1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	1 U	1 U	24
m/p-Xylenes	--	µg/L	2 U	7.7	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.4 J	2 U	2 U	NA
o-Xylene	--	µg/L	1 U	19	1 U	5.5	1 U	1 U	1 U	1 U	1 U	6.7	1 U	1 U	NA
Toluene	5	µg/L	1 U	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.75 J	1 U	1 U	0.40 J
Xylenes (total)	5	µg/L	2 U	27	2 U	5.5	2 U	2 U	2 U	2 U	2 U	8.1	2 U	2 U	2.6 J
Total BTEX	--	µg/L	ND	161	ND	29.5	ND	ND	ND	ND	0.60 J	44.9 J	ND	ND	123
PAHs															
Acenaphthene	20	µg/L	4.8 U	4.9	5 U	1.7 J	5 U	5 U	5 U	5 U	5 U	3.3 J	5 U	5 U	2.9 J
Acenaphthylene	--	µg/L	4.8 U	0.42 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.30 J
Anthracene	50	µg/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Benzo(a)anthracene	0.002	µg/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U
Benzo(a)pyrene	0	µg/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U
Benzo(b)fluoranthene	0.002	µg/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U
Benzo(g,h,i)perylene	--	µg/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Benzo(k)fluoranthene	0.002	ug/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Chrysene	0.002	µg/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Dibenzo(a,h)anthracene	--	ug/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Fluoranthene	50	µg/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Fluorene	50	µg/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 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	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U
Naphthalene	10	µg/L	4.8 U	73 D	5 U	15	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3.0 J
Phenanthrene	50	µg/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UB	5 U	5 U	5 U	10 U
Pyrene	50	µg/L	4.8 U	4.8 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Total PAHs	--	µg/L	ND	78.3 J	ND	16.7 J	ND	ND	ND	ND	ND	3.3 J	ND	ND	6.2

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-8807S												
			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	11/14/13	05/28/14
BTEX															
Benzene	1	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	8.5	1.0 U	1.0 U	16	1.0 U	1.0 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U
m/p-Xylenes	--	µg/L	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	2 U	2 U	2 U
o-Xylene	--	µg/L	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	1 U	1 U	1 U
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	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	2 U	2 U	2 U
Total BTEX	--	µg/L	ND	ND	ND	ND	8.5	ND	ND	16	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	0.90	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Acenaphthylene	--	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Anthracene	50	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Benzo(a)anthracene	0.002	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Benzo(a)pyrene	0	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Benzo(b)fluoranthene	0.002	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Benzo(g,h,i)perylene	--	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Benzo(k)fluoranthene	0.002	ug/L	0.5 UJ	0.5 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Chrysene	0.002	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Dibenzo(a,h)anthracene	--	ug/L	0.5 U	0.5 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Fluoranthene	50	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Fluorene	50	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Naphthalene	10	µg/L	13	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Phenanthrene	50	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Pyrene	50	µg/L	0.50 U	0.50 U	0.48 U	0.47 U	0.48 U	0.48 U	4.9 U	4.7 U	4.7 U	4.8 U	5 U	4.9 U	4.5 U
Total PAHs	--	µg/L	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-8807S									MW-8808S			
			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	05/29/03	04/22/08	11/11/08	05/12/09
BTEX															
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.0 U	1.0 U	1.0 U	0.82 J
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	4.0 U	1.0 U	1.0 U	0.49 J
m/p-Xylenes	--	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	NA	2.0 U	NA	2.0 U
o-Xylene	--	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	NA	1.0 U	NA	1.0 U
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	5.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 UJ	2 U	5.0 U	NA	3.0 U	2.0 U
Total BTEX	--	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J
PAHs															
Acenaphthene	20	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U
Acenaphthylene	--	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U
Anthracene	50	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U
Benzo(a)anthracene	0.002	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U
Benzo(a)pyrene	0	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U
Benzo(b)fluoranthene	0.002	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U
Benzo(g,h,i)perylene	--	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U
Benzo(k)fluoranthene	0.002	ug/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1 U	0.5 UJ	0.5 U	0.47 U
Chrysene	0.002	µg/L	4.8 UJ	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U
Dibenzo(a,h)anthracene	--	ug/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1 U	0.5 U	0.5 U	0.47 U
Fluoranthene	50	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U
Fluorene	50	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.8 UJ	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U
Naphthalene	10	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U
Phenanthrene	50	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U
Pyrene	50	µg/L	4.8 U	4.8 U	5.2 U	4.8 U	4.8 U	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U
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 Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-8808S												
			12/01/09	05/18/10	11/02/10	05/10/11	11/08/11	05/30/12	11/29/12	05/09/13	11/14/13	05/29/14	11/19/14	05/19/15	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 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 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 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 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 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 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
PAHs															
Acenaphthene	20	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Acenaphthylene	--	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Anthracene	50	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Benzo(g,h,i)perylene	--	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Chrysene	0.002	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 UJ	5 U	5 U
Dibenzo(a,h)anthracene	--	ug/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Fluoranthene	50	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Fluorene	50	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 UJ	5 U	5 U
Naphthalene	10	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Phenanthrene	50	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
Pyrene	50	µg/L	0.48 U	0.48 U	0.47 U	4.7 U	4.7 U	4.7 U	4.8 U	4.7 U	4.9 U	4.7 U	5.1 U	5 U	5 U
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 Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-8808S						MW-9109S						
			05/10/16	11/15/16	05/16/17	11/07/17	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
BTEX															
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	µg/L	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	1.0 U	1.0 U
m/p-Xylenes	--	µg/L	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	2.0 U
o-Xylene	--	µg/L	1 U	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
Toluene	5	µg/L	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	1.0 U	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	3 U	2 U	2 U	5.0 U	NA	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	--	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	0.48 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	0.48 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	0.48 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 UB	0.48 U	0.48 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	0.48 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	0.48 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	0.48 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	0.48 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 UB	0.48 UJ	0.48 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	0.48 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	0.48 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	0.48 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	0.48 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	0.48 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	0.48 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	0.48 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 Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



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

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9110S												
			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	05/10/16	11/15/16
BTEX															
Benzene	1	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	--	µg/L	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 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	µg/L	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	ND	ND	ND	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Acenaphthylene	--	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Anthracene	50	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Benzo(a)anthracene	0.002	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Benzo(a)pyrene	0	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Benzo(b)fluoranthene	0.002	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Benzo(g,h,i)perylene	--	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Benzo(k)fluoranthene	0.002	ug/L	0.48 U	5 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Chrysene	0.002	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Dibenzo(a,h)anthracene	--	ug/L	0.48 U	5 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Fluoranthene	50	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Fluorene	50	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Naphthalene	10	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Phenanthrene	50	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 U
Pyrene	50	µg/L	0.48 U	5.0 U	4.8 U	4.7 U	4.8 U	4.8 U	4.6 U	5.1 U	5 U	4.6 U	4.9 U	4.8 U	4.8 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 Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9110S				MW-9111S								
			05/16/17	11/07/17	05/15/18	11/14/18	05/28/03	04/23/08	11/11/08	05/12/09	12/01/09	05/20/10	11/02/10	05/10/11	11/09/11
BTEX															
Benzene	1	µg/L	1 U	1 U	1 U	1 U	2.4	1.0 U	57	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	1.0 U	2.0	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	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	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	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	3 U	2 U	2 U	5.0 U	NA	1.4 J	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	2.4	ND	60 J	ND	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	11	5.0	10	4.5	7.8	4.5	6.1	3.8 J	5.6
Acenaphthylene	--	µg/L	5 U	5 U	5 U	5 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
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.099 J	0.47 U	4.8 U	4.7 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.47 UJ	4.8 U	4.7 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.47 U	4.8 U	4.7 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.47 UJ	4.8 U	4.7 U
Benzo(g,h,i)perylene	--	µg/L	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.47 UJ	4.8 U	4.7 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	1 U	0.5 UJ	0.5 U	0.47 U	0.47 U	0.5 U	0.47 UJ	4.8 U	4.7 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.11 J	0.47 UJ	4.8 U	4.7 U
Dibenzo(a,h)anthracene	--	ug/L	5 U	5 U	5 U	5 U	1 U	0.5 U	0.5 U	0.47 U	0.47 U	0.5 U	0.47 UJ	4.8 U	4.7 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 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
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	0.80 J	0.50	1.0	0.42 J	0.77	0.35 J	0.58	4.8 U	0.51 J
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	1.0 U	0.50 U	0.50 U	0.47 U	0.47 U	0.50 U	0.47 UJ	4.8 U	4.7 U
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	0.40 J	0.50 U	5.0	0.47 U	0.32 J	0.19 J	0.47 U	4.8 U	4.7 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	10 U	0.50 U	0.20 J	0.47 U	0.17 J	0.50 U	0.47 U	4.8 U	4.7 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 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
Total PAHs	--	µg/L	ND	ND	ND	ND	12 J	5.5	16 J	4.9 J	9.1 J	5.3 J	6.7	3.8 J	6.1 J

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9111S												
			05/30/12	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
BTEX															
Benzene	1	µg/L	1.0 U	2.1	1 U	1 U	1 U	1.6	1 U	1 U	2.2	1 U	1 U	18	0.68 J
Ethylbenzene	5	µg/L	1.0 U	0.79 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.45 J	1 U
m/p-Xylenes	--	µg/L	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	--	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	0.21 J	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
Xylenes (total)	5	µg/L	2.0 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 U
Total BTEX	--	µg/L	ND	2.9 J	ND	ND	ND	1.6	ND	ND	2.2	ND	ND	18.5 J	0.68 J
PAHs															
Acenaphthene	20	µg/L	4.2 J	5.3	3.1 J	5.8	3.8 J	3.7 J	3.4 J	3.7 J	4 J	4.7	2.5 J	4.4 J	2.5 J
Acenaphthylene	--	µg/L	5.2 U	4.7 U	0.68 J	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Anthracene	50	µg/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	--	µg/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 UJ	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	--	ug/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Fluorene	50	µg/L	5.2 U	0.42 J	4.7 U	0.54 J	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 UJ	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Naphthalene	10	µg/L	5.2 U	1.2 J	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	1.6 J	5 U
Phenanthrene	50	µg/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Pyrene	50	µg/L	5.2 U	4.7 U	4.7 U	5.2 U	4.6 U	4.7 U	5 U	5 U	4.9 U	4.6 U	5 U	5 U	5 U
Total PAHs	--	µg/L	4.2 J	6.9 J	3.8 J	6.34 J	3.8 J	3.7 J	3.4 J	3.7 J	4 J	4.7	2.5 J	6 J	2.5 J

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9111S							MW-9112D					
			11/13/18	05/21/19	11/05/19	06/17/20	11/18/20	05/26/21	11/11/21	05/22/03	09/18/07	12/17/07	11/11/08	05/12/09	12/01/09
BTEX															
Benzene	1	µg/L	1 U	1 U	0.55 J	1 U	6.8	1 U	1 U	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.0 U	0.50 U	0.50 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	NA	NA	NA	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	NA	NA	NA	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	5.0 U	0.50 U	0.50 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	5.0 U	1.5 U	1.5 U	3.0 U	2.0 U	2.0 U
Total BTEX	--	µg/L	ND	ND	0.55 J	ND	6.8	ND	ND	ND	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	4.5 J	2.4 J	5.4	4.7 J	3.7 J	3.4 J	4.6 J	10 U	NA	NA	0.50 U	0.52 U	9.6 U
Acenaphthylene	--	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U
Anthracene	50	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U
Benzo(a)anthracene	0.002	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	1.0 U	NA	NA	0.50 U	0.52 U	9.6 U
Benzo(a)pyrene	0	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	1.0 U	NA	NA	0.50 U	0.52 U	9.6 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	1.0 U	NA	NA	0.50 U	0.52 U	9.6 U
Benzo(g,h,i)perylene	--	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	1 U	NA	NA	0.5 U	0.5 U	9.6 U
Chrysene	0.002	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U
Dibenzo(a,h)anthracene	--	ug/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	1 U	NA	NA	0.5 U	0.5 U	9.6 U
Fluoranthene	50	µg/L	5 U	5.4 U	5 U	0.48 J	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U
Fluorene	50	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	1.0 U	NA	NA	0.50 U	0.52 U	9.6 U
Naphthalene	10	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U
Phenanthrene	50	µg/L	5 U	5.4 U	5 U	5 UB	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U
Pyrene	50	µg/L	5 U	5.4 U	5 U	5 U	5 U	5 U	5 U	10 U	NA	NA	0.50 U	0.52 U	9.6 U
Total PAHs	--	µg/L	4.5 J	2.4 J	5.4	5.2 J	3.7 J	3.4 J	4.6 J	ND	NA	NA	ND	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9112D												
			05/19/10	11/03/10	05/10/11	11/08/11	05/30/12	11/29/12	05/09/13	11/13/13	05/28/14	11/18/14	05/19/15	11/18/15	05/11/16
BTEX															
Benzene	1	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
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.75 J	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
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
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 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
Total BTEX	--	µg/L	ND	ND	ND	ND	ND	0.75 J	ND	ND	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U
Acenaphthylene	--	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U
Anthracene	50	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U
Benzo(a)anthracene	0.002	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U
Benzo(a)pyrene	0	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 UJ	4.8 U	4.9 U	4.9 U
Benzo(b)fluoranthene	0.002	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U
Benzo(g,h,i)perylene	--	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 UJ	4.8 U	4.9 U	4.9 U
Benzo(k)fluoranthene	0.002	ug/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U
Chrysene	0.002	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 UJ	4.8 U	4.9 U	4.9 U
Dibenzo(a,h)anthracene	--	ug/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 UJ	4.8 U	4.9 U	4.9 U
Fluoranthene	50	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	0.41 J	4.9 U	4.9 U
Fluorene	50	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 UJ	4.8 U	4.9 U	4.9 U
Naphthalene	10	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	1.2 J	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U
Phenanthrene	50	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	0.54 J	4.9 U	4.9 U
Pyrene	50	µg/L	0.47 U	0.47 U	4.8 U	4.9 U	5.6 U	4.7 U	4.8 U	4.8 U	4.6 U	4.7 U	4.8 U	4.9 U	4.9 U
Total PAHs	--	µg/L	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	0.95 J	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9112D											MW-9112S	
			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	05/26/21	11/11/21	05/22/03	09/18/07
BTEX															
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	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	4.0 U	0.50 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	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	NA	NA
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.0 U	0.50 U
Xylenes (total)	5	µg/L	2 U	2 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5.0 U	1.5 U
Total BTEX	--	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	NA
Acenaphthylene	--	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	NA
Anthracene	50	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	NA
Benzo(a)anthracene	0.002	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	NA
Benzo(a)pyrene	0	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	NA
Benzo(b)fluoranthene	0.002	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	NA
Benzo(g,h,i)perylene	--	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	NA
Benzo(k)fluoranthene	0.002	ug/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	NA
Chrysene	0.002	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	NA
Dibenzo(a,h)anthracene	--	ug/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	NA
Fluoranthene	50	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	NA
Fluorene	50	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	NA
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	NA
Naphthalene	10	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	NA
Phenanthrene	50	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	NA
Pyrene	50	µg/L	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	NA
Total PAHs	--	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



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

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9112S												
			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	11/13/18	05/21/19	11/06/19	06/16/20
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
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m/p-Xylenes	--	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	--	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	µg/L	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
Total BTEX	--	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acenaphthylene	--	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	50	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	--	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	4.6 U	5.5 UJ	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	--	ug/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Fluorene	50	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.6 U	5.5 UJ	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	10	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Phenanthrene	50	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UB
Pyrene	50	µg/L	4.6 U	5.5 U	5.2 U	4.8 U	4.8 U	4.6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
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 Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9112S			MW-9114S									
			11/18/20	05/26/21	11/11/21	05/21/03	04/23/08	11/11/08	05/12/09	12/02/09	05/19/10	11/02/10	05/11/11	11/08/11	05/30/12
BTEX															
Benzene	1	µg/L	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	0.42 J	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	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
m/p-Xylenes	--	µg/L	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	2.0 U
o-Xylene	--	µg/L	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	1.0 U
Toluene	5	µg/L	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	1.0 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	5.0 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
Total BTEX	--	µg/L	ND	ND	ND	ND	ND	ND	ND	0.42 J	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	0.49 U	0.47 U	4.9 U	0.47 U	5.3 U
Acenaphthylene	--	µg/L	5 U	5 U	5 U	10 U	0.50 U	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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 U	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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	0.47 U	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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	0.47 U	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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	0.49 U	0.47 U	4.9 U	4.7 U	5.3 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 U	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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	0.49 U	0.47 U	4.9 U	4.7 U	5.3 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	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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	0.49 U	0.47 U	4.9 U	0.47 U	5.3 U
Naphthalene	10	µg/L	5 U	5 U	5 U	10 U	1.0	0.50 U	0.47 U	0.47 U	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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	0.49 U	0.47 U	4.9 U	0.47 U	5.3 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	0.49 U	0.47 U	4.9 U	0.47 U	5.3 U
Total PAHs	--	µg/L	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9114S												
			11/29/12	05/09/13	11/14/13	05/28/14	11/18/14	05/19/15	11/17/15	05/11/16	11/16/16	05/16/17	11/07/17	05/16/18	11/14/18
BTEX															
Benzene	1	µg/L	0.76 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
Ethylbenzene	5	µg/L	1.9	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
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
Toluene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	25	1 U	0.55 J	1 U
Xylenes (total)	5	µg/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 U	2 U
Total BTEX	--	µg/L	2.7 J	ND	ND	ND	ND	ND	1.9	ND	ND	25	ND	0.55 J	ND
PAHs															
Acenaphthene	20	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Acenaphthylene	--	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Anthracene	50	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Benzo(g,h,i)perylene	--	µg/L	4.7 U	4.7 U	5.4 U	4.6 UJ	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Chrysene	0.002	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 UJ	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Dibenzo(a,h)anthracene	--	ug/L	4.7 U	4.7 U	5.4 U	4.6 UJ	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Fluoranthene	50	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Fluorene	50	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.7 U	4.7 U	5.4 U	4.6 UJ	4.7 UJ	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Naphthalene	10	µg/L	2.3 J	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Phenanthrene	50	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Pyrene	50	µg/L	4.7 U	4.7 U	5.4 U	4.6 U	4.7 U	5 U	5.1 U	4.8 U	4.5 U	5 U	5 U	5 U	5 U
Total PAHs	--	µg/L	2.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9114S						MW-9502S						
			05/22/19	11/05/19	06/16/20	11/18/20	05/26/21	11/11/21	05/21/03	09/18/07	12/17/07	12/01/09	05/20/10	11/02/10	05/10/11
BTEX															
Benzene	1	µg/L	1 U	1 U	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
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	4.0 U	0.94	0.50 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	NA	NA	NA	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	1 U	NA	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	µg/L	19	1.9	1U	1U	1.1	1 U	5.0 U	0.50 U	0.50 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	5.0 U	1.4 J	1.5 U	2.0 U	2.0 U	2.0 U	2.0 U
Total BTEX	--	µg/L	19	1.9	ND	ND	1.1	ND	ND	2.3 J	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Acenaphthylene	--	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	1.0 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	1.0 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	1.0 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Benzo(g,h,i)perylene	--	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	6 U	5 U	1 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Dibenzo(a,h)anthracene	--	ug/L	5 U	5 U	5 U	5 U	6 U	5 U	1 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Fluoranthene	50	µg/L	5 U	5 U	0.45 J	5 U	6 U	5 U	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	1.0 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Phenanthrene	50	µg/L	5 U	5 U	5 UB	5 U	6 U	5 U	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	6 U	5 U	10 U	NA	NA	0.47 U	0.48 U	0.48 U	4.8 U
Total PAHs	--	µg/L	ND	ND	0.45 J	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9502S												
			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	05/10/16	11/15/16	05/16/17	11/07/17
BTEX															
Benzene	1	µg/L	1.0 U	1.0 U	1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.3	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	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAHs															
Acenaphthene	20	µg/L	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	4.7 U	4.6 U	5 U	5 U
Acenaphthylene	--	µg/L	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	4.7 U	4.6 U	5 U	5 U
Anthracene	50	µg/L	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	4.7 U	4.6 U	5 U	5 U
Benzo(a)anthracene	0.002	µg/L	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	4.7 U	4.6 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	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	4.7 U	4.6 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	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	4.7 U	4.6 U	5 U	5 U
Benzo(g,h,i)perylene	--	µg/L	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	4.7 U	0.38 J	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	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	4.7 U	4.6 U	5 U	5 U
Chrysene	0.002	µg/L	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	4.7 U	4.6 U	5 U	5 U
Dibenzo(a,h)anthracene	--	ug/L	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	4.7 U	4.6 U	5 U	5 U
Fluoranthene	50	µg/L	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	4.7 U	4.6 U	5 U	5 U
Fluorene	50	µg/L	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	4.7 U	4.6 U	5 U	5 U
Indeno(1,2,3-cd)pyrene	0.002	µg/L	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	4.7 U	4.6 U	5 U	5 U
Naphthalene	10	µg/L	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	4.7 U	4.6 U	5 U	5 U
Phenanthrene	50	µg/L	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	4.7 U	4.6 U	5 U	5 U
Pyrene	50	µg/L	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	4.7 U	4.6 U	5 U	5 U
Total PAHs	--	µg/L	ND	ND	2.6 J	ND	ND	ND	ND	ND	ND	ND	0.38 J	ND	ND

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York



Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	MW-9502S								PTMW-0202				
			05/15/18	11/14/18	05/21/19	11/05/19	06/17/20	11/18/20	05/26/21	11/11/21	05/28/03	12/01/09	05/20/10	11/02/10	05/10/11
BTEX															
Benzene	1	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	22	12	7.1	33	1.0 U
Ethylbenzene	5	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.7	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	NA	2.0 U	2.0 U	1.4 J	2.0 U
o-Xylene	--	µg/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NA	2.4	1.0 U	3.2	1.0 U
Toluene	5	µg/L	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	1.6 J	2.9	2.0 U	4.6	2.0 U
Total BTEX	--	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	31 J	15	7.1	38 J	ND
PAHs															
Acenaphthene	20	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	52	39	34	42	23
Acenaphthylene	--	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.2 J	0.47 U	0.48 U	0.40 J	4.8 U
Anthracene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.60 J	0.27 J	0.12 J	0.23 J	4.8 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	0.47 U	0.48 U	0.48 U	4.8 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	0.47 U	0.48 U	0.48 U	4.8 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	0.47 U	0.48 U	0.48 U	4.8 U
Benzo(g,h,i)perylene	--	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	0.47 U	0.48 U	0.48 U	4.8 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	0.47 U	0.48 U	0.48 U	4.8 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	0.47 U	0.48 U	0.48 U	4.8 U
Dibenzo(a,h)anthracene	--	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	0.47 U	0.48 U	0.48 U	4.8 U
Fluoranthene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.50 J	0.56	0.45 J	0.88	4.8 U
Fluorene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6.9 J	3.1	5.2	9.8	4.8 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	1.0 U	0.47 U	0.48 U	0.48 U	4.8 U
Naphthalene	10	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.70 J	16	0.36 J	48	4.8 U
Phenanthrene	50	µg/L	5 U	5 U	5 U	5 U	5 UB	5 U	5 U	5 U	5.2 J	0.38 J	0.48 U	0.42 J	4.8 U
Pyrene	50	µg/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.50 J	0.55	0.45 J	0.85	4.8 U
Total PAHs	--	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	68 J	60 J	41 J	100 J	23

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	PTMW-0202												
			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	05/10/16	11/15/16	05/16/17	11/08/17
BTEX															
Benzene	1	µg/L	1.0 U	32	320 D	120	30	53	290 D	90	230	97	1 U	40	380
Ethylbenzene	5	µg/L	1.0 U	1.0 U	12	2 U	1 U	1 U	0.92 J	1 U	21	4 U	1 U	1 U	43
m/p-Xylenes	--	µg/L	2.0 U	2.0 U	1.2 J	4 U	2 U	2 U	2.6	2 U	8 U	8 U	2 U	2 U	3.8
o-Xylene	--	µg/L	1.0 U	1.0 U	12	6.2	1 U	1.6	7.5	1.9	7.2	4 U	1 U	2.7	17
Toluene	5	µg/L	1.0 U	1.0 U	0.67 J	2 U	1 U	1 U	1 U	1 U	4 U	4 U	1 U	0.52 J	0.86 J
Xylenes (total)	5	µg/L	2.0 U	2.0 U	13	6.2	2 U	1.6 J	10	1.9 J	7.2 J	8 U	2 U	2.7	21
Total BTEX	--	µg/L	ND	32	346 J	126	30	54.6 J	301 J	91.9 J	258 J	97	ND	43.2 J	445 J
PAHs															
Acenaphthene	20	µg/L	41	35	55	43 J	20	43	61 J	40	20	39	4.6 U	57	86 D
Acenaphthylene	--	µg/L	0.46 J	5.3 U	0.41 J	R	5.5 U	0.4 J	230 U	0.43 J	4.7 U	4.8 U	4.6 U	5 U	0.8 J
Anthracene	50	µg/L	4.7 U	5.3 U	0.33 J	R	5.5 U	0.34 J	230 U	5.1 U	0.27 J	0.56 J	4.6 U	0.63 J	1.2 J
Benzo(a)anthracene	0.002	µg/L	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	4.8 U	4.6 U	5 U	5 U
Benzo(a)pyrene	0	µg/L	4.7 U	5.3 U	4.7 U	R	5.5 U	4.6 U	230 U	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U
Benzo(b)fluoranthene	0.002	µg/L	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	4.8 U	4.6 U	5 U	5 U
Benzo(g,h,i)perylene	--	µg/L	4.7 U	5.3 U	4.7 U	R	5.5 U	4.6 U	230 U	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U
Benzo(k)fluoranthene	0.002	ug/L	4.7 U	5.3 U	4.7 U	R	5.5 U	4.6 U	230 U	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U
Chrysene	0.002	µg/L	4.7 U	5.3 U	4.7 U	R	5.5 U	4.6 U	230 UJ	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U
Dibenzo(a,h)anthracene	--	ug/L	4.7 U	5.3 U	4.7 U	R	5.5 U	4.6 U	230 U	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U
Fluoranthene	50	µg/L	4.7 U	5.3 U	0.41 J	R	0.5 J	0.56 J	230 U	5.1 U	0.44 J	0.6 J	4.6 U	0.63 J	0.93 J
Fluorene	50	µg/L	4.7	5.2 J	7.8	3.9 J	2.2 J	8.4	230 U	3.4 J	3.5 J	5.9	4.6 U	8	16
Indeno(1,2,3-cd)pyrene	0.002	µg/L	4.7 U	5.3 U	4.7 U	R	5.5 U	4.6 U	230 UJ	5.1 U	4.7 U	4.8 U	4.6 U	5 U	5 U
Naphthalene	10	µg/L	4.7 U	5.3 U	69	R	1.3 J	4.6 U	120 J	5.1 U	18	12	4.6 U	5 U	290 D
Phenanthrene	50	µg/L	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	2.4 J	4.6 U	2.6 J	4.8 J
Pyrene	50	µg/L	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	0.59 J	4.6 U	0.61 J	1 J
Total PAHs	--	µg/L	47 J	40 J	136 J	50 J	24.5 J	54.9 J	181 J	44.7 J	43.3 J	61.1 J	ND	69.5 J	401 J

See notes on last page

Table 3
Groundwater Quality Data
Annual Periodic Review Report
Oneonta Former MGP Site, Oneonta, New York

Location ID: Date Collected:	NYSDEC GW Stds & GVs	Units	PTMW-0202							
			05/15/18	11/13/18	05/21/19	11/05/19	06/16/20	11/18/20	05/26/21	11/11/21
BTEX										
Benzene	1	µg/L	260	160	18	390	54	580 D	56 J	64
Ethylbenzene	5	µg/L	4 U	4 U	1 U	4 U	1 U	0.98 J	1 U	1 U
m/p-Xylenes	--	µg/L	8 U	8 U	2 U	2.9 J	2 U	2.9	2 U	1.1 J
o-Xylene	--	µg/L	4.9	5.3	1.8	8.3	0.97 J	11	2	2.8
Toluene	5	µg/L	4 U	4 U	1 U	4 U	1 U	0.64 J	1 U	1 U
Xylenes (total)	5	µg/L	4.9 J	5.3 J	1.8 J	11	0.97 J	14	2	3.9
Total BTEX	--	µg/L	265 J	165 J	19.8 J	401	55.0 J	596 DJ	58 J	67.9 J
PAHs										
Acenaphthene	20	µg/L	63	88	40	77 D	41	73	41 J	51
Acenaphthylene	--	µg/L	0.62 J	5 U	5 U	5 U	25 U	25 U	25 U	25 U
Anthracene	50	µg/L	0.64 J	1.7 J	0.71 J	1.3 J	25 U	25 U	25 U	25 U
Benzo(a)anthracene	0.002	µg/L	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U
Benzo(a)pyrene	0	µg/L	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U
Benzo(b)fluoranthene	0.002	µg/L	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U
Benzo(g,h,i)perylene	--	µg/L	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U
Benzo(k)fluoranthene	0.002	ug/L	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U
Chrysene	0.002	µg/L	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U
Dibenzo(a,h)anthracene	--	ug/L	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U
Fluoranthene	50	µg/L	0.55 J	1.6 J	0.81 J	1.2 J	25 U	25 U	25 U	25 U
Fluorene	50	µg/L	11	21	9.7	18	4.1 J	15 J	5.2 J	11 J
Indeno(1,2,3-cd)pyrene	0.002	µg/L	5 U	5 U	5 U	5 U	25 U	25 U	25 U	25 U
Naphthalene	10	µg/L	7.8	99 D	5 U	90 D	25 U	110	25 U	15 J
Phenanthrene	50	µg/L	2.1 J	7.8	0.93 J	2.3 J	25 U	3.2 J	25 U	2.8 J
Pyrene	50	µg/L	0.51 J	1.5 J	0.87 J	1.7 J	25 U	25 U	25 U	25 U
Total PAHs	--	µg/L	86.2 J	221 DJ	53 J	192 J	45.1 J	201 J	46.2 J	79.8 J

See notes on last page

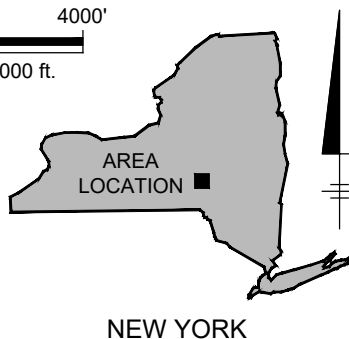
Notes:

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.

Figures

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.

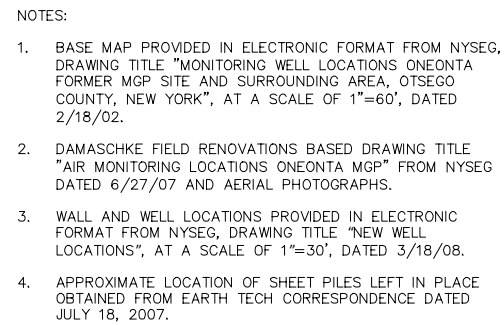


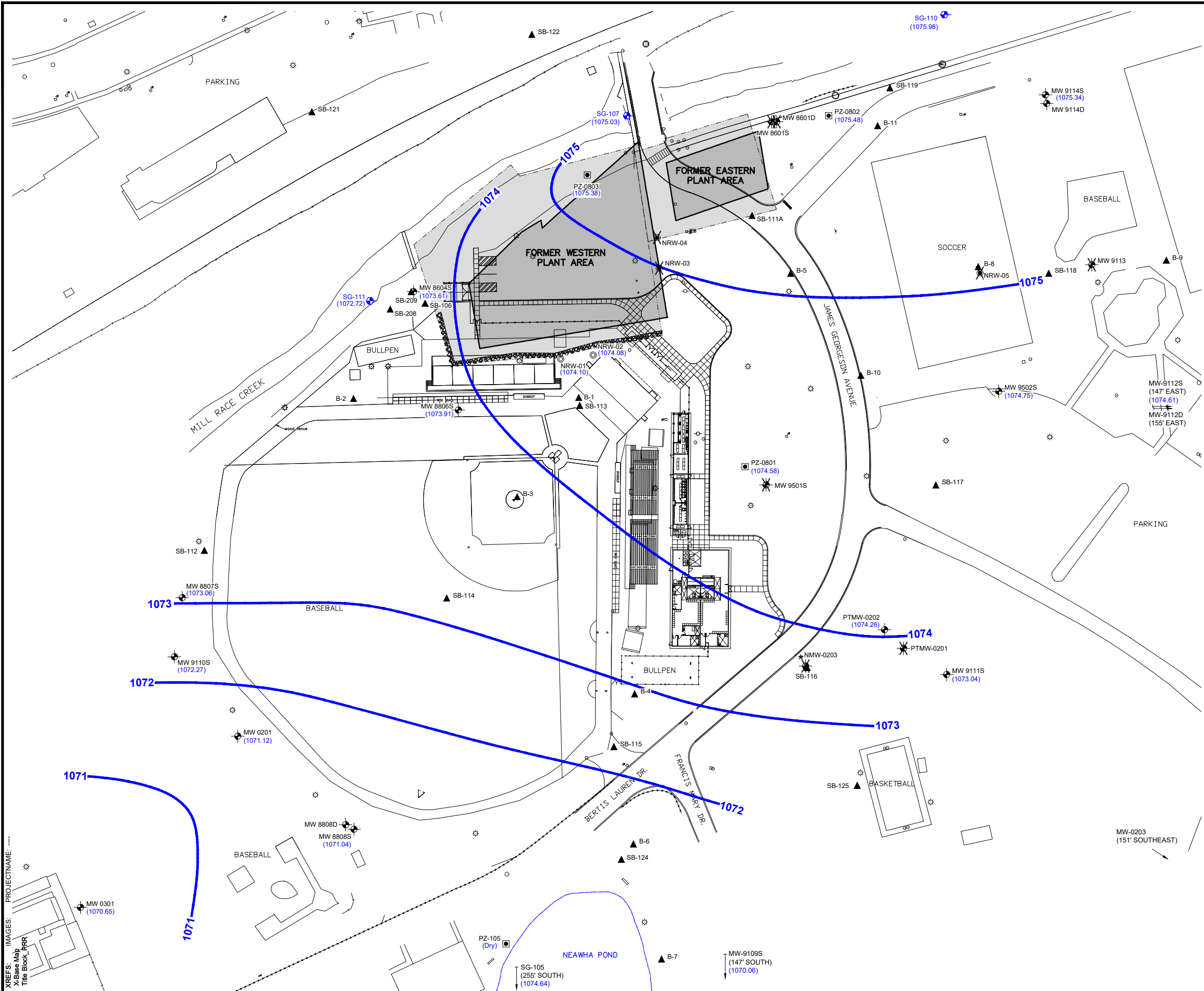
NYSEG
ONEONTA FORMER MGP SITE
ONEONTA, NEW YORK
PERIODIC REVIEW REPORT

SITE LOCATION MAP



FIGURE

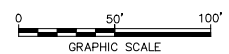




LEGEND:

- ☆ 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)
- (1074.78) — 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.

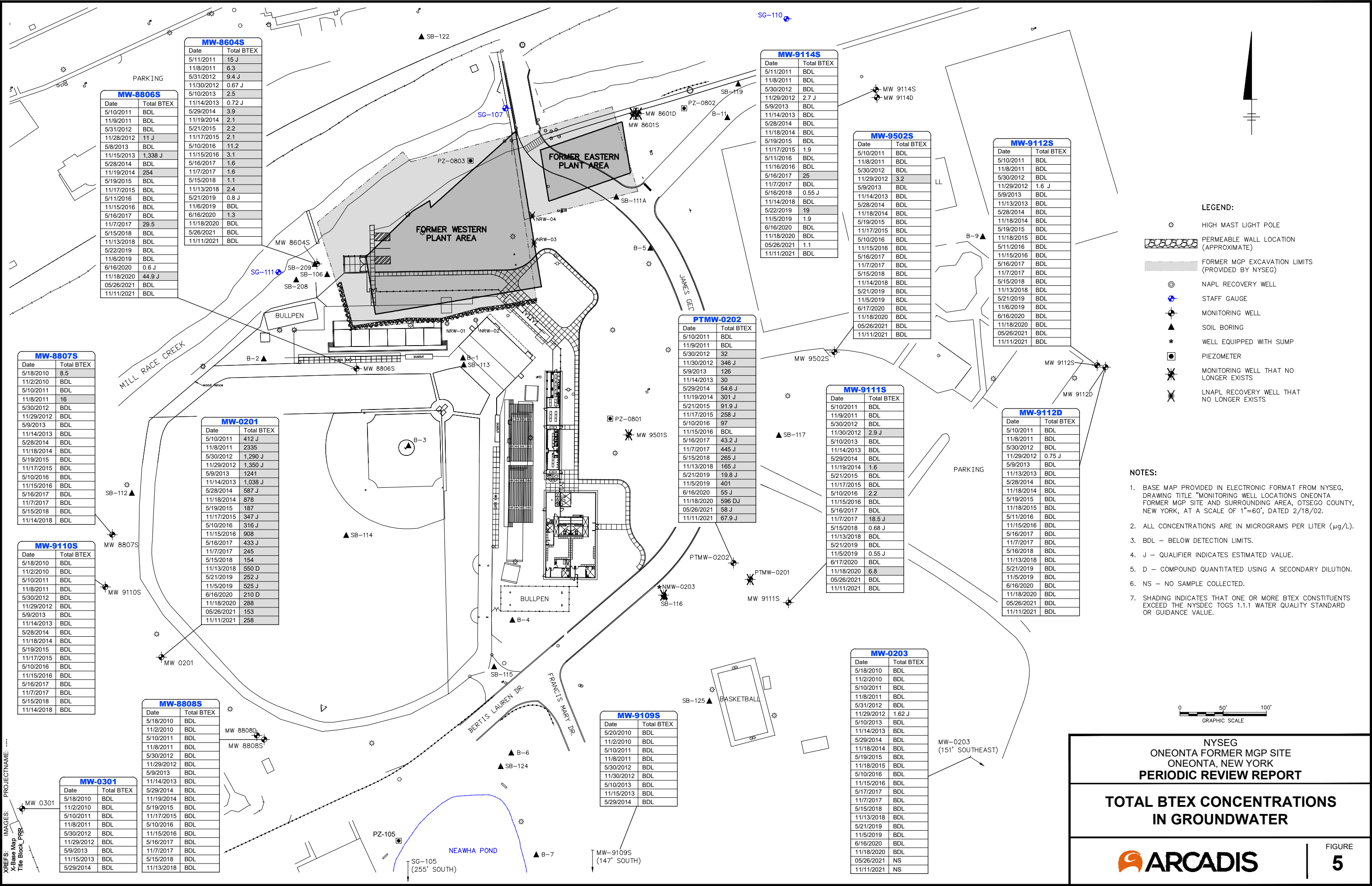


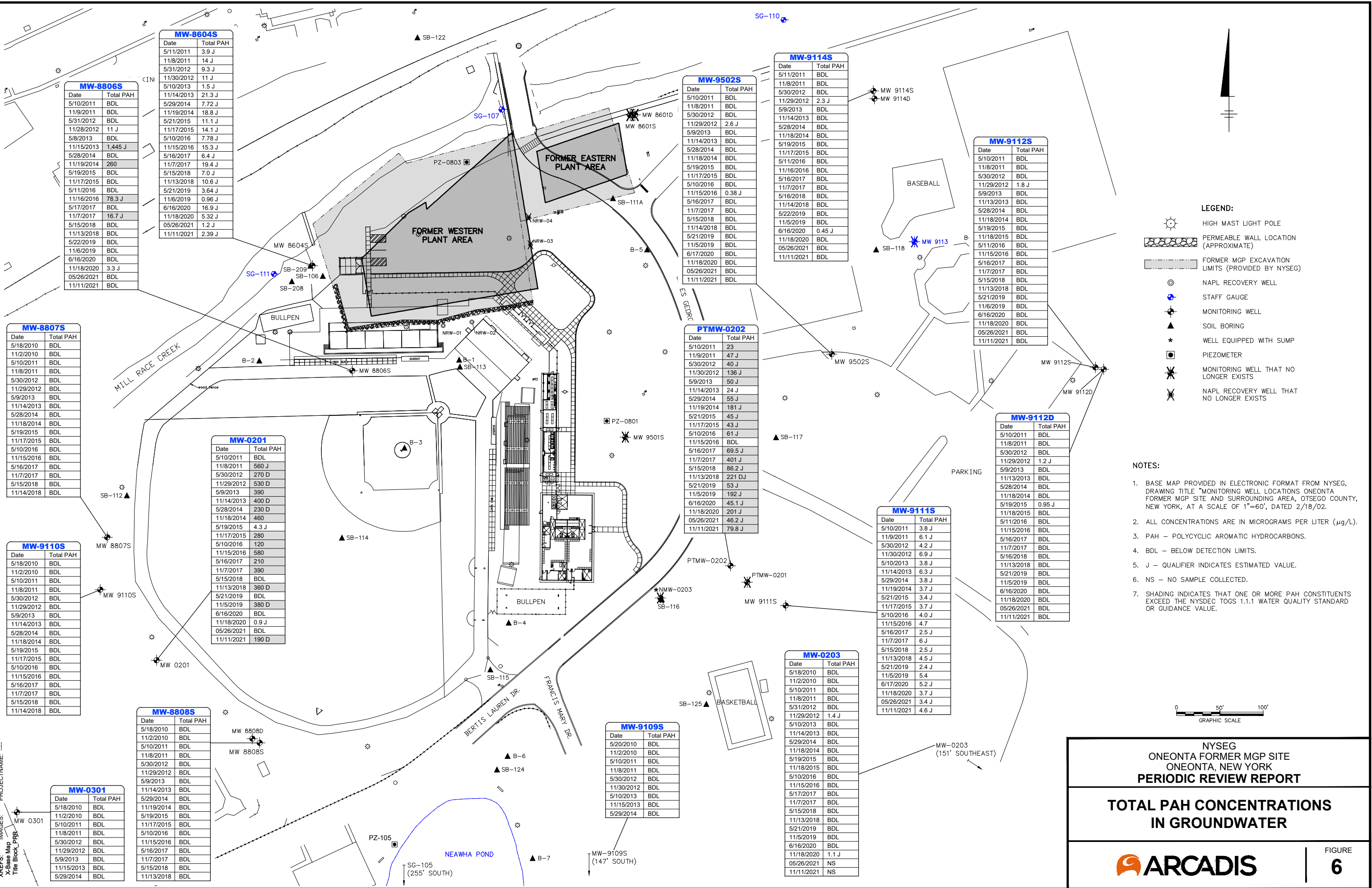
NYSEG
ONEONTA FORMER MGP SITE
ONEONTA, NEW YORK
PERIODIC REVIEW REPORT

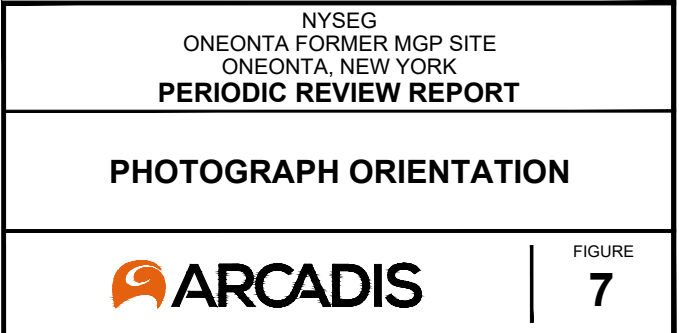
POTENTIOMETRIC SURFACE -
NOVEMBER 10, 2021

ARCADIS

FIGURE
4







Appendix A

Absorbent Socks Photographic Log

PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



Photograph: 1

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:

RDC

Date: 5/27/2021



Photograph: 2

Description:

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

Location:

AW-12

Photograph taken by:

RDC

Date: 5/27/2021

PHOTOGRAPH LOG

NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



Photograph: 3

Description:

Bottom 12-inches of canister coated in DNAPL. Outside of sorbent sock at bottom is coated in DNAPL.

Location:

AW-12

Photograph taken by:

KCF

Date: 11/10/2021



Photograph: 4

Description:

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

Location:

AW-12

Photograph taken by:

KCF

Date: 11/10/2021

Appendix B

Laboratory Data Packages

ANALYTICAL REPORT

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

Laboratory Job ID: 480-185364-1

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:

6/9/2021 2:24:51 PM

Rebecca Jones, Project Management Assistant I

Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II

(716)504-9838

John.Schove@Eurofinset.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1

Table of Contents 2

Definitions/Glossary 3

Case Narrative 4

Detection Summary 5

Client Sample Results 7

Surrogate Summary 16

QC Sample Results 18

QC Association Summary 23

Lab Chronicle 25

Certification Summary 28

Method Summary 29

Sample Summary 30

Chain of Custody 31

Receipt Checklists 32



Definitions/Glossary

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

Job ID: 480-185364-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

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

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

Case Narrative

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

Job ID: 480-185364-1

Job ID: 480-185364-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-185364-1

Comments

No additional comments.

Receipt

The samples were received on 5/28/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6° C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-0201 (480-185364-1). Elevated reporting limits (RLs) are provided.

Method 8260C: Surrogate recovery for the following sample was outside the upper control limit: MW-9112D (480-185364-6). This sample did not contain any target analytes; therefore, re-analysis was not performed.

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 (480-185364-10), PTMW-0202 (480-185364-10[MS]) and PTMW-0202 (480-185364-10[MSD]). Elevated reporting limits (RL) are provided.

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

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: 480-185364-1

Client Sample ID: MW-0201

Lab Sample ID: 480-185364-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	64		2.0	0.82	ug/L	2		8260C	Total/NA
Ethylbenzene	45		2.0	1.5	ug/L	2		8260C	Total/NA
m-Xylene & p-Xylene	6.9		4.0	1.3	ug/L	2		8260C	Total/NA
o-Xylene	35		2.0	1.5	ug/L	2		8260C	Total/NA
Toluene	2.0		2.0	1.0	ug/L	2		8260C	Total/NA
Xylenes, Total	42		4.0	1.3	ug/L	2		8260C	Total/NA

Client Sample ID: DUP-052621

Lab Sample ID: 480-185364-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	52		1.0	0.41	ug/L	1		8260C	Total/NA
o-Xylene	1.9		1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	1.9	J	2.0	0.66	ug/L	1		8260C	Total/NA
Acenaphthene	40		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.43	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	0.38	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	0.49	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	4.5	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	1.4	J	5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	1.5	J	5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	0.47	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: MW-8604S

Lab Sample ID: 480-185364-3

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

Client Sample ID: MW-8806S

Lab Sample ID: 480-185364-4

No Detections.

Client Sample ID: MW-9111S

Lab Sample ID: 480-185364-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	3.4	J	5.0	0.41	ug/L	1		8270D	Total/NA

Client Sample ID: MW-9112D

Lab Sample ID: 480-185364-6

No Detections.

Client Sample ID: MW-9112S

Lab Sample ID: 480-185364-7

No Detections.

Client Sample ID: MW-9114S

Lab Sample ID: 480-185364-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.1		1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: MW-9502S

Lab Sample ID: 480-185364-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-185364-1

Client Sample ID: PTMW-0202

Lab Sample ID: 480-185364-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	56	F1	1.0	0.41	ug/L	1		8260C	Total/NA
o-Xylene	2.0		1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	2.0		2.0	0.66	ug/L	1		8260C	Total/NA
Acenaphthene	41	F1	25	2.1	ug/L	5		8270D	Total/NA
Fluorene	5.2	J	25	1.8	ug/L	5		8270D	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-185364-11

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-0201

Lab Sample ID: 480-185364-1

Date Collected: 05/26/21 11:05

Matrix: WG

Date Received: 05/28/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	64		2.0	0.82	ug/L			05/30/21 15:06	2
Ethylbenzene	45		2.0	1.5	ug/L			05/30/21 15:06	2
m-Xylene & p-Xylene	6.9		4.0	1.3	ug/L			05/30/21 15:06	2
o-Xylene	35		2.0	1.5	ug/L			05/30/21 15:06	2
Toluene	2.0		2.0	1.0	ug/L			05/30/21 15:06	2
Xylenes, Total	42		4.0	1.3	ug/L			05/30/21 15:06	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		05/30/21 15:06	2
4-Bromofluorobenzene (Surr)	105		73 - 120		05/30/21 15:06	2
Dibromofluoromethane (Surr)	105		75 - 123		05/30/21 15:06	2
Toluene-d8 (Surr)	93		80 - 120		05/30/21 15:06	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		06/01/21 08:47	06/02/21 20:41	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/02/21 20:41	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/02/21 20:41	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 20:41	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 20:41	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 20:41	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/02/21 20:41	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/02/21 20:41	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/02/21 20:41	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/02/21 20:41	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/02/21 20:41	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 20:41	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 20:41	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/02/21 20:41	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/02/21 20:41	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	90		46 - 120	06/01/21 08:47	06/02/21 20:41	1
2-Fluorobiphenyl	101		48 - 120	06/01/21 08:47	06/02/21 20:41	1
p-Terphenyl-d14	96		60 - 148	06/01/21 08:47	06/02/21 20:41	1

Client Sample ID: DUP-052621

Lab Sample ID: 480-185364-2

Date Collected: 05/26/21 00:00

Matrix: WG

Date Received: 05/28/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	52		1.0	0.41	ug/L			06/01/21 16:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/21 16:57	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/01/21 16:57	1
o-Xylene	1.9		1.0	0.76	ug/L			06/01/21 16:57	1
Toluene	ND		1.0	0.51	ug/L			06/01/21 16:57	1
Xylenes, Total	1.9 J		2.0	0.66	ug/L			06/01/21 16:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: DUP-052621

Lab Sample ID: 480-185364-2

Date Collected: 05/26/21 00:00

Matrix: WG

Date Received: 05/28/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		06/01/21 16:57	1
4-Bromofluorobenzene (Surr)	106		73 - 120		06/01/21 16:57	1
Dibromofluoromethane (Surr)	107		75 - 123		06/01/21 16:57	1
Toluene-d8 (Surr)	88		80 - 120		06/01/21 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	40		5.0	0.41	ug/L		06/01/21 08:47	06/02/21 21:08	1
Acenaphthylene	0.43	J	5.0	0.38	ug/L		06/01/21 08:47	06/02/21 21:08	1
Anthracene	0.38	J	5.0	0.28	ug/L		06/01/21 08:47	06/02/21 21:08	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 21:08	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 21:08	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 21:08	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/02/21 21:08	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/02/21 21:08	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/02/21 21:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/02/21 21:08	1
Fluoranthene	0.49	J	5.0	0.40	ug/L		06/01/21 08:47	06/02/21 21:08	1
Fluorene	4.5	J	5.0	0.36	ug/L		06/01/21 08:47	06/02/21 21:08	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 21:08	1
Naphthalene	1.4	J	5.0	0.76	ug/L		06/01/21 08:47	06/02/21 21:08	1
Phenanthrene	1.5	J	5.0	0.44	ug/L		06/01/21 08:47	06/02/21 21:08	1
Pyrene	0.47	J	5.0	0.34	ug/L		06/01/21 08:47	06/02/21 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		46 - 120	06/01/21 08:47	06/02/21 21:08	1
2-Fluorobiphenyl	90		48 - 120	06/01/21 08:47	06/02/21 21:08	1
p-Terphenyl-d14	79		60 - 148	06/01/21 08:47	06/02/21 21:08	1

Client Sample ID: MW-8604S

Lab Sample ID: 480-185364-3

Date Collected: 05/26/21 09:15

Matrix: WG

Date Received: 05/28/21 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			05/30/21 15:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 15:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 15:52	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 15:52	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 15:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		05/30/21 15:52	1
4-Bromofluorobenzene (Surr)	106		73 - 120		05/30/21 15:52	1
Dibromofluoromethane (Surr)	118		75 - 123		05/30/21 15:52	1
Toluene-d8 (Surr)	90		80 - 120		05/30/21 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.2	J	5.2	0.43	ug/L		06/01/21 08:47	06/02/21 21:36	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-8604S

Lab Sample ID: 480-185364-3

Date Collected: 05/26/21 09:15

Matrix: WG

Date Received: 05/28/21 10:00

Method: 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		06/01/21 08:47	06/02/21 21:36	1
Anthracene	ND		5.2	0.29	ug/L		06/01/21 08:47	06/02/21 21:36	1
Benzo(a)anthracene	ND		5.2	0.38	ug/L		06/01/21 08:47	06/02/21 21:36	1
Benzo(a)pyrene	ND		5.2	0.49	ug/L		06/01/21 08:47	06/02/21 21:36	1
Benzo(b)fluoranthene	ND		5.2	0.35	ug/L		06/01/21 08:47	06/02/21 21:36	1
Benzo(g,h,i)perylene	ND		5.2	0.36	ug/L		06/01/21 08:47	06/02/21 21:36	1
Benzo(k)fluoranthene	ND		5.2	0.76	ug/L		06/01/21 08:47	06/02/21 21:36	1
Chrysene	ND		5.2	0.34	ug/L		06/01/21 08:47	06/02/21 21:36	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		06/01/21 08:47	06/02/21 21:36	1
Fluoranthene	ND		5.2	0.42	ug/L		06/01/21 08:47	06/02/21 21:36	1
Fluorene	ND		5.2	0.38	ug/L		06/01/21 08:47	06/02/21 21:36	1
Indeno(1,2,3-c,d)pyrene	ND		5.2	0.49	ug/L		06/01/21 08:47	06/02/21 21:36	1
Naphthalene	ND		5.2	0.79	ug/L		06/01/21 08:47	06/02/21 21:36	1
Phenanthrene	ND		5.2	0.46	ug/L		06/01/21 08:47	06/02/21 21:36	1
Pyrene	ND		5.2	0.35	ug/L		06/01/21 08:47	06/02/21 21:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	87		46 - 120				06/01/21 08:47	06/02/21 21:36	1
2-Fluorobiphenyl	102		48 - 120				06/01/21 08:47	06/02/21 21:36	1
p-Terphenyl-d14	94		60 - 148				06/01/21 08:47	06/02/21 21:36	1

Client Sample ID: MW-8806S

Lab Sample ID: 480-185364-4

Date Collected: 05/26/21 09:25

Matrix: WG

Date Received: 05/28/21 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			05/30/21 16:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 16:16	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 16:16	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 16:16	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 16:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 16:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120					05/30/21 16:16	1
4-Bromofluorobenzene (Surr)	104		73 - 120					05/30/21 16:16	1
Dibromofluoromethane (Surr)	111		75 - 123					05/30/21 16:16	1
Toluene-d8 (Surr)	93		80 - 120					05/30/21 16:16	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		06/01/21 08:47	06/02/21 22:03	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/02/21 22:03	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/02/21 22:03	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 22:03	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 22:03	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 22:03	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/02/21 22:03	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/02/21 22:03	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/02/21 22:03	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-8806S

Lab Sample ID: 480-185364-4

Date Collected: 05/26/21 09:25

Matrix: WG

Date Received: 05/28/21 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		06/01/21 08:47	06/02/21 22:03	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/02/21 22:03	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 22:03	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 22:03	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/02/21 22:03	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/02/21 22:03	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 22:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	96		46 - 120	06/01/21 08:47	06/02/21 22:03	1
2-Fluorobiphenyl	105		48 - 120	06/01/21 08:47	06/02/21 22:03	1
p-Terphenyl-d14	98		60 - 148	06/01/21 08:47	06/02/21 22:03	1

Client Sample ID: MW-9111S

Lab Sample ID: 480-185364-5

Date Collected: 05/26/21 13:45

Matrix: WG

Date Received: 05/28/21 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			05/30/21 16:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 16:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 16:39	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 16:39	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 16:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		05/30/21 16:39	1
4-Bromofluorobenzene (Surr)	103		73 - 120		05/30/21 16:39	1
Dibromofluoromethane (Surr)	110		75 - 123		05/30/21 16:39	1
Toluene-d8 (Surr)	89		80 - 120		05/30/21 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	3.4	J	5.0	0.41	ug/L		06/01/21 08:47	06/02/21 22:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/02/21 22:30	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/02/21 22:30	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 22:30	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 22:30	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 22:30	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/02/21 22:30	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/02/21 22:30	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/02/21 22:30	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/02/21 22:30	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/02/21 22:30	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 22:30	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 22:30	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/02/21 22:30	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/02/21 22:30	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 22:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-9111S

Lab Sample ID: 480-185364-5

Date Collected: 05/26/21 13:45

Matrix: WG

Date Received: 05/28/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		46 - 120	06/01/21 08:47	06/02/21 22:30	1
2-Fluorobiphenyl	94		48 - 120	06/01/21 08:47	06/02/21 22:30	1
p-Terphenyl-d14	89		60 - 148	06/01/21 08:47	06/02/21 22:30	1

Client Sample ID: MW-9112D

Lab Sample ID: 480-185364-6

Date Collected: 05/26/21 13:45

Matrix: WG

Date Received: 05/28/21 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			05/30/21 17:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 17:02	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 17:02	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 17:02	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 17:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122	S1+	77 - 120		05/30/21 17:02	1
4-Bromofluorobenzene (Surr)	105		73 - 120		05/30/21 17:02	1
Dibromofluoromethane (Surr)	114		75 - 123		05/30/21 17:02	1
Toluene-d8 (Surr)	92		80 - 120		05/30/21 17:02	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		06/01/21 08:47	06/03/21 00:47	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/03/21 00:47	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/03/21 00:47	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 00:47	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 00:47	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 00:47	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/03/21 00:47	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/03/21 00:47	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/03/21 00:47	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/03/21 00:47	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/03/21 00:47	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 00:47	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 00:47	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/03/21 00:47	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/03/21 00:47	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	91		46 - 120	06/01/21 08:47	06/03/21 00:47	1
2-Fluorobiphenyl	100		48 - 120	06/01/21 08:47	06/03/21 00:47	1
p-Terphenyl-d14	95		60 - 148	06/01/21 08:47	06/03/21 00:47	1

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-9112S

Lab Sample ID: 480-185364-7

Date Collected: 05/26/21 14:55

Matrix: WG

Date Received: 05/28/21 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			05/30/21 17:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 17:25	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 17:25	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 17:25	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 17:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		05/30/21 17:25	1
4-Bromofluorobenzene (Surr)	105		73 - 120		05/30/21 17:25	1
Dibromofluoromethane (Surr)	116		75 - 123		05/30/21 17:25	1
Toluene-d8 (Surr)	90		80 - 120		05/30/21 17:25	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		06/01/21 08:47	06/03/21 01:14	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/03/21 01:14	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/03/21 01:14	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 01:14	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 01:14	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 01:14	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/03/21 01:14	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/03/21 01:14	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/03/21 01:14	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/03/21 01:14	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/03/21 01:14	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 01:14	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 01:14	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/03/21 01:14	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/03/21 01:14	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 01:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		46 - 120	06/01/21 08:47	06/03/21 01:14	1
2-Fluorobiphenyl	87		48 - 120	06/01/21 08:47	06/03/21 01:14	1
p-Terphenyl-d14	87		60 - 148	06/01/21 08:47	06/03/21 01:14	1

Client Sample ID: MW-9114S

Lab Sample ID: 480-185364-8

Date Collected: 05/26/21 15:00

Matrix: WG

Date Received: 05/28/21 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			05/30/21 17:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 17:48	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 17:48	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 17:48	1
Toluene	1.1		1.0	0.51	ug/L			05/30/21 17:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 17:48	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-9114S

Lab Sample ID: 480-185364-8

Date Collected: 05/26/21 15:00

Matrix: WG

Date Received: 05/28/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		05/30/21 17:48	1
4-Bromofluorobenzene (Surr)	98		73 - 120		05/30/21 17:48	1
Dibromofluoromethane (Surr)	109		75 - 123		05/30/21 17:48	1
Toluene-d8 (Surr)	89		80 - 120		05/30/21 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.0	0.49	ug/L		06/01/21 08:47	06/03/21 01:41	1
Acenaphthylene	ND		6.0	0.45	ug/L		06/01/21 08:47	06/03/21 01:41	1
Anthracene	ND		6.0	0.33	ug/L		06/01/21 08:47	06/03/21 01:41	1
Benzo(a)anthracene	ND		6.0	0.43	ug/L		06/01/21 08:47	06/03/21 01:41	1
Benzo(a)pyrene	ND		6.0	0.56	ug/L		06/01/21 08:47	06/03/21 01:41	1
Benzo(b)fluoranthene	ND		6.0	0.40	ug/L		06/01/21 08:47	06/03/21 01:41	1
Benzo(g,h,i)perylene	ND		6.0	0.42	ug/L		06/01/21 08:47	06/03/21 01:41	1
Benzo(k)fluoranthene	ND		6.0	0.87	ug/L		06/01/21 08:47	06/03/21 01:41	1
Chrysene	ND		6.0	0.39	ug/L		06/01/21 08:47	06/03/21 01:41	1
Dibenz(a,h)anthracene	ND		6.0	0.50	ug/L		06/01/21 08:47	06/03/21 01:41	1
Fluoranthene	ND		6.0	0.48	ug/L		06/01/21 08:47	06/03/21 01:41	1
Fluorene	ND		6.0	0.43	ug/L		06/01/21 08:47	06/03/21 01:41	1
Indeno(1,2,3-c,d)pyrene	ND		6.0	0.56	ug/L		06/01/21 08:47	06/03/21 01:41	1
Naphthalene	ND		6.0	0.90	ug/L		06/01/21 08:47	06/03/21 01:41	1
Phenanthrene	ND		6.0	0.52	ug/L		06/01/21 08:47	06/03/21 01:41	1
Pyrene	ND		6.0	0.40	ug/L		06/01/21 08:47	06/03/21 01:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	93		46 - 120	06/01/21 08:47	06/03/21 01:41	1
2-Fluorobiphenyl	102		48 - 120	06/01/21 08:47	06/03/21 01:41	1
p-Terphenyl-d14	91		60 - 148	06/01/21 08:47	06/03/21 01:41	1

Client Sample ID: MW-9502S

Lab Sample ID: 480-185364-9

Date Collected: 05/26/21 11:20

Matrix: WG

Date Received: 05/28/21 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			05/30/21 18:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 18:10	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 18:10	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 18:10	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 18:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		05/30/21 18:10	1
4-Bromofluorobenzene (Surr)	105		73 - 120		05/30/21 18:10	1
Dibromofluoromethane (Surr)	111		75 - 123		05/30/21 18:10	1
Toluene-d8 (Surr)	94		80 - 120		05/30/21 18:10	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		06/01/21 08:47	06/03/21 02:09	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-9502S

Lab Sample ID: 480-185364-9

Date Collected: 05/26/21 11:20

Matrix: WG

Date Received: 05/28/21 10:00

Method: 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		06/01/21 08:47	06/03/21 02:09	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/03/21 02:09	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 02:09	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 02:09	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 02:09	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/03/21 02:09	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/03/21 02:09	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/03/21 02:09	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/03/21 02:09	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/03/21 02:09	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 02:09	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 02:09	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/03/21 02:09	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/03/21 02:09	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 02:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	94		46 - 120				06/01/21 08:47	06/03/21 02:09	1
2-Fluorobiphenyl	107		48 - 120				06/01/21 08:47	06/03/21 02:09	1
p-Terphenyl-d14	95		60 - 148				06/01/21 08:47	06/03/21 02:09	1

Client Sample ID: PTMW-0202

Lab Sample ID: 480-185364-10

Date Collected: 05/26/21 12:20

Matrix: WG

Date Received: 05/28/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	56	F1	1.0	0.41	ug/L			06/01/21 17:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/21 17:19	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/01/21 17:19	1
o-Xylene	2.0		1.0	0.76	ug/L			06/01/21 17:19	1
Toluene	ND		1.0	0.51	ug/L			06/01/21 17:19	1
Xylenes, Total	2.0		2.0	0.66	ug/L			06/01/21 17:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120					06/01/21 17:19	1
4-Bromofluorobenzene (Surr)	106		73 - 120					06/01/21 17:19	1
Dibromofluoromethane (Surr)	101		75 - 123					06/01/21 17:19	1
Toluene-d8 (Surr)	89		80 - 120					06/01/21 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	41	F1	25	2.1	ug/L		06/01/21 08:47	06/02/21 17:03	5
Acenaphthylene	ND		25	1.9	ug/L		06/01/21 08:47	06/02/21 17:03	5
Anthracene	ND		25	1.4	ug/L		06/01/21 08:47	06/02/21 17:03	5
Benzo(a)anthracene	ND		25	1.8	ug/L		06/01/21 08:47	06/02/21 17:03	5
Benzo(a)pyrene	ND		25	2.4	ug/L		06/01/21 08:47	06/02/21 17:03	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		06/01/21 08:47	06/02/21 17:03	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		06/01/21 08:47	06/02/21 17:03	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		06/01/21 08:47	06/02/21 17:03	5
Chrysene	ND		25	1.7	ug/L		06/01/21 08:47	06/02/21 17:03	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: PTMW-0202

Lab Sample ID: 480-185364-10

Date Collected: 05/26/21 12:20

Matrix: WG

Date Received: 05/28/21 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		25	2.1	ug/L		06/01/21 08:47	06/02/21 17:03	5
Fluoranthene	ND		25	2.0	ug/L		06/01/21 08:47	06/02/21 17:03	5
Fluorene	5.2	J	25	1.8	ug/L		06/01/21 08:47	06/02/21 17:03	5
Indeno(1,2,3-c,d)pyrene	ND		25	2.4	ug/L		06/01/21 08:47	06/02/21 17:03	5
Naphthalene	ND		25	3.8	ug/L		06/01/21 08:47	06/02/21 17:03	5
Phenanthrene	ND		25	2.2	ug/L		06/01/21 08:47	06/02/21 17:03	5
Pyrene	ND		25	1.7	ug/L		06/01/21 08:47	06/02/21 17:03	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		46 - 120	06/01/21 08:47	06/02/21 17:03	5
2-Fluorobiphenyl	92		48 - 120	06/01/21 08:47	06/02/21 17:03	5
p-Terphenyl-d14	99		60 - 148	06/01/21 08:47	06/02/21 17:03	5

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-185364-11

Date Collected: 05/26/21 00:00

Matrix: WQ

Date Received: 05/28/21 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			05/30/21 18:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 18:56	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 18:56	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 18:56	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 18:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		05/30/21 18:56	1
4-Bromofluorobenzene (Surr)	108		73 - 120		05/30/21 18:56	1
Dibromofluoromethane (Surr)	114		75 - 123		05/30/21 18:56	1
Toluene-d8 (Surr)	92		80 - 120		05/30/21 18:56	1

Surrogate Summary

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

Job ID: 480-185364-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
LCS 480-583336/5	Lab Control Sample	103	106	107	95
LCS 480-583377/5	Lab Control Sample	116	106	111	93
MB 480-583336/7	Method Blank	116	103	117	90
MB 480-583377/7	Method Blank	97	101	109	87

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-185364-1	MW-0201	112	105	105	93
480-185364-2	DUP-052621	114	106	107	88
480-185364-3	MW-8604S	118	106	118	90
480-185364-4	MW-8806S	116	104	111	93
480-185364-5	MW-9111S	113	103	110	89
480-185364-6	MW-9112D	122 S1+	105	114	92
480-185364-7	MW-9112S	111	105	116	90
480-185364-8	MW-9114S	113	98	109	89
480-185364-9	MW-9502S	110	105	111	94
480-185364-10	PTMW-0202	108	106	101	89
480-185364-10 MS	PTMW-0202	108	112	109	91
480-185364-10 MSD	PTMW-0202	115	108	115	92

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-185364-11	TRIP BLANK	114	108	114	92

Surrogate Legend

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

Surrogate Summary

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

Job ID: 480-185364-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (46-120)	FBP (48-120)	TPHd14 (60-148)
LCS 480-583387/2-A	Lab Control Sample	103	101	106
MB 480-583387/1-A	Method Blank	89	99	107
Surrogate Legend				
NBZ = Nitrobenzene-d5				
FBP = 2-Fluorobiphenyl				
TPHd14 = p-Terphenyl-d14				

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

Matrix: WG

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (46-120)	FBP (48-120)	TPHd14 (60-148)
480-185364-1	MW-0201	90	101	96
480-185364-2	DUP-052621	78	90	79
480-185364-3	MW-8604S	87	102	94
480-185364-4	MW-8806S	96	105	98
480-185364-5	MW-9111S	81	94	89
480-185364-6	MW-9112D	91	100	95
480-185364-7	MW-9112S	78	87	87
480-185364-8	MW-9114S	93	102	91
480-185364-9	MW-9502S	94	107	95
480-185364-10	PTMW-0202	78	92	99
480-185364-10 MS	PTMW-0202	99	106	91
480-185364-10 MSD	PTMW-0202	99	105	98
Surrogate Legend				
NBZ = Nitrobenzene-d5				
FBP = 2-Fluorobiphenyl				
TPHd14 = p-Terphenyl-d14				

QC Sample Results

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

Job ID: 480-185364-1

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

Lab Sample ID: MB 480-583336/7

Matrix: Water

Analysis Batch: 583336

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			05/30/21 11:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 11:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 11:24	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 11:24	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 11:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 11:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		05/30/21 11:24	1
4-Bromofluorobenzene (Surr)	103		73 - 120		05/30/21 11:24	1
Dibromofluoromethane (Surr)	117		75 - 123		05/30/21 11:24	1
Toluene-d8 (Surr)	90		80 - 120		05/30/21 11:24	1

Lab Sample ID: LCS 480-583336/5

Matrix: Water

Analysis Batch: 583336

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	21.3		ug/L		85	71 - 124
Ethylbenzene	25.0	22.4		ug/L		90	77 - 123
m-Xylene & p-Xylene	25.0	21.7		ug/L		87	76 - 122
o-Xylene	25.0	21.6		ug/L		86	76 - 122
Toluene	25.0	21.8		ug/L		87	80 - 122
Xylenes, Total	50.0	43.3		ug/L		87	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123
Toluene-d8 (Surr)	95		80 - 120

Lab Sample ID: MB 480-583377/7

Matrix: Water

Analysis Batch: 583377

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			06/01/21 11:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/21 11:26	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/01/21 11:26	1
o-Xylene	ND		1.0	0.76	ug/L			06/01/21 11:26	1
Toluene	ND		1.0	0.51	ug/L			06/01/21 11:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/01/21 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		06/01/21 11:26	1
4-Bromofluorobenzene (Surr)	101		73 - 120		06/01/21 11:26	1
Dibromofluoromethane (Surr)	109		75 - 123		06/01/21 11:26	1

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QC Sample Results

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

Job ID: 480-185364-1

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

Lab Sample ID: MB 480-583377/7

Matrix: Water

Analysis Batch: 583377

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB %Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		06/01/21 11:26	1

Lab Sample ID: LCS 480-583377/5

Matrix: Water

Analysis Batch: 583377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	23.8		ug/L		95	71 - 124
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
m-Xylene & p-Xylene	25.0	23.3		ug/L		93	76 - 122
o-Xylene	25.0	23.4		ug/L		94	76 - 122
Toluene	25.0	22.9		ug/L		92	80 - 122
Xylenes, Total	50.0	46.7		ug/L		93	76 - 122

Surrogate	LCS LCS %Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	116		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	111		75 - 123
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: 480-185364-10 MS

Matrix: WG

Analysis Batch: 583377

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	56	F1	25.0	68.0	F1	ug/L		49	71 - 124
Ethylbenzene	ND		25.0	24.3		ug/L		97	77 - 123
m-Xylene & p-Xylene	ND		25.0	23.2		ug/L		93	76 - 122
o-Xylene	2.0		25.0	24.9		ug/L		91	76 - 122
Toluene	ND		25.0	23.0		ug/L		92	80 - 122
Xylenes, Total	2.0		50.0	48.1		ug/L		92	76 - 122

Surrogate	MS MS %Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	112		73 - 120
Dibromofluoromethane (Surr)	109		75 - 123
Toluene-d8 (Surr)	91		80 - 120

Lab Sample ID: 480-185364-10 MSD

Matrix: WG

Analysis Batch: 583377

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	56	F1	25.0	73.9		ug/L		73	71 - 124	8	13
Ethylbenzene	ND		25.0	22.4		ug/L		90	77 - 123	8	15
m-Xylene & p-Xylene	ND		25.0	21.8		ug/L		87	76 - 122	6	16
o-Xylene	2.0		25.0	23.4		ug/L		86	76 - 122	6	16
Toluene	ND		25.0	21.1		ug/L		85	80 - 122	8	15

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QC Sample Results

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

Job ID: 480-185364-1

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

Lab Sample ID: 480-185364-10 MSD

Matrix: WG

Analysis Batch: 583377

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	2.0		50.0	45.2		ug/L		86	76 - 122	6	16
Surrogate	%Recovery	MSD Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	115		77 - 120								
4-Bromofluorobenzene (Surr)	108		73 - 120								
Dibromofluoromethane (Surr)	115		75 - 123								
Toluene-d8 (Surr)	92		80 - 120								

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

Lab Sample ID: MB 480-583387/1-A

Matrix: Water

Analysis Batch: 583593

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 583387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		06/01/21 08:47	06/02/21 12:57	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/02/21 12:57	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/02/21 12:57	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 12:57	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 12:57	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 12:57	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/02/21 12:57	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/02/21 12:57	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/02/21 12:57	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/02/21 12:57	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/02/21 12:57	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 12:57	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 12:57	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/02/21 12:57	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/02/21 12:57	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 12:57	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	89		46 - 120				06/01/21 08:47	06/02/21 12:57	1
2-Fluorobiphenyl	99		48 - 120				06/01/21 08:47	06/02/21 12:57	1
p-Terphenyl-d14	107		60 - 148				06/01/21 08:47	06/02/21 12:57	1

Lab Sample ID: LCS 480-583387/2-A

Matrix: Water

Analysis Batch: 583593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 583387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	31.6		ug/L		99	60 - 120
Acenaphthylene	32.0	31.9		ug/L		100	63 - 120
Anthracene	32.0	34.2		ug/L		107	67 - 120
Benzo(a)anthracene	32.0	33.7		ug/L		105	70 - 121
Benzo(a)pyrene	32.0	36.2		ug/L		113	60 - 123
Benzo(b)fluoranthene	32.0	37.7		ug/L		118	66 - 126

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QC Sample Results

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

Job ID: 480-185364-1

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

Lab Sample ID: LCS 480-583387/2-A

Matrix: Water

Analysis Batch: 583593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 583387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo(g,h,i)perylene	32.0	39.4		ug/L		123	66 - 150
Benzo(k)fluoranthene	32.0	37.0		ug/L		116	65 - 124
Chrysene	32.0	34.8		ug/L		109	69 - 120
Dibenz(a,h)anthracene	32.0	39.9		ug/L		125	65 - 135
Fluoranthene	32.0	36.2		ug/L		113	69 - 126
Fluorene	32.0	33.6		ug/L		105	66 - 120
Indeno(1,2,3-c,d)pyrene	32.0	39.0		ug/L		122	69 - 146
Naphthalene	32.0	28.8		ug/L		90	57 - 120
Phenanthrene	32.0	36.4		ug/L		114	68 - 120
Pyrene	32.0	34.0		ug/L		106	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	103		46 - 120
2-Fluorobiphenyl	101		48 - 120
p-Terphenyl-d14	106		60 - 148

Lab Sample ID: 480-185364-10 MS

Matrix: WG

Analysis Batch: 583593

Client Sample ID: PTMW-0202

Prep Type: Total/NA

Prep Batch: 583387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	41	F1	32.0	79.7	F1	ug/L		121	48 - 120
Acenaphthylene	ND		32.0	33.9		ug/L		106	63 - 120
Anthracene	ND		32.0	34.9		ug/L		109	65 - 122
Benzo(a)anthracene	ND		32.0	32.7		ug/L		102	43 - 124
Benzo(a)pyrene	ND		32.0	32.0		ug/L		100	23 - 125
Benzo(b)fluoranthene	ND		32.0	31.9		ug/L		100	27 - 127
Benzo(g,h,i)perylene	ND		32.0	33.2		ug/L		104	16 - 147
Benzo(k)fluoranthene	ND		32.0	35.5		ug/L		111	20 - 124
Chrysene	ND		32.0	34.6		ug/L		108	44 - 122
Dibenz(a,h)anthracene	ND		32.0	32.9		ug/L		103	16 - 139
Fluoranthene	ND		32.0	35.6		ug/L		111	63 - 129
Fluorene	5.2	J	32.0	42.9		ug/L		118	62 - 120
Indeno(1,2,3-c,d)pyrene	ND		32.0	33.2		ug/L		104	16 - 140
Naphthalene	ND		32.0	29.8		ug/L		93	45 - 120
Phenanthrene	ND		32.0	34.9		ug/L		109	65 - 122
Pyrene	ND		32.0	34.6		ug/L		108	58 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	99		46 - 120
2-Fluorobiphenyl	106		48 - 120
p-Terphenyl-d14	91		60 - 148

QC Sample Results

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

Job ID: 480-185364-1

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

Lab Sample ID: 480-185364-10 MSD

Matrix: WG

Analysis Batch: 583593

Client Sample ID: PTMW-0202

Prep Type: Total/NA

Prep Batch: 583387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	41	F1	33.3	79.8		ug/L		116	48 - 120	0	24
Acenaphthylene	ND		33.3	35.2		ug/L		105	63 - 120	4	18
Anthracene	ND		33.3	36.5		ug/L		109	65 - 122	4	15
Benzo(a)anthracene	ND		33.3	36.7		ug/L		110	43 - 124	12	15
Benzo(a)pyrene	ND		33.3	34.7		ug/L		104	23 - 125	8	15
Benzo(b)fluoranthene	ND		33.3	34.5		ug/L		103	27 - 127	8	15
Benzo(g,h,i)perylene	ND		33.3	36.3		ug/L		109	16 - 147	9	15
Benzo(k)fluoranthene	ND		33.3	34.2		ug/L		103	20 - 124	4	22
Chrysene	ND		33.3	37.2		ug/L		112	44 - 122	7	15
Dibenz(a,h)anthracene	ND		33.3	36.1		ug/L		108	16 - 139	9	15
Fluoranthene	ND		33.3	38.3		ug/L		115	63 - 129	8	15
Fluorene	5.2	J	33.3	43.7		ug/L		115	62 - 120	2	15
Indeno(1,2,3-c,d)pyrene	ND		33.3	35.5		ug/L		107	16 - 140	7	15
Naphthalene	ND		33.3	31.3		ug/L		94	45 - 120	5	29
Phenanthrene	ND		33.3	38.4		ug/L		115	65 - 122	10	15
Pyrene	ND		33.3	38.9		ug/L		117	58 - 128	12	19
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Nitrobenzene-d5	99		46 - 120								
2-Fluorobiphenyl	105		48 - 120								
p-Terphenyl-d14	98		60 - 148								

QC Association Summary

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

Job ID: 480-185364-1

GC/MS VOA

Analysis Batch: 583336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-185364-1	MW-0201	Total/NA	WG	8260C	
480-185364-3	MW-8604S	Total/NA	WG	8260C	
480-185364-4	MW-8806S	Total/NA	WG	8260C	
480-185364-5	MW-9111S	Total/NA	WG	8260C	
480-185364-6	MW-9112D	Total/NA	WG	8260C	
480-185364-7	MW-9112S	Total/NA	WG	8260C	
480-185364-8	MW-9114S	Total/NA	WG	8260C	
480-185364-9	MW-9502S	Total/NA	WG	8260C	
480-185364-11	TRIP BLANK	Total/NA	WQ	8260C	
MB 480-583336/7	Method Blank	Total/NA	Water	8260C	
LCS 480-583336/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 583377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-185364-2	DUP-052621	Total/NA	WG	8260C	
480-185364-10	PTMW-0202	Total/NA	WG	8260C	
MB 480-583377/7	Method Blank	Total/NA	Water	8260C	
LCS 480-583377/5	Lab Control Sample	Total/NA	Water	8260C	
480-185364-10 MS	PTMW-0202	Total/NA	WG	8260C	
480-185364-10 MSD	PTMW-0202	Total/NA	WG	8260C	

GC/MS Semi VOA

Prep Batch: 583387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-185364-1	MW-0201	Total/NA	WG	3510C	
480-185364-2	DUP-052621	Total/NA	WG	3510C	
480-185364-3	MW-8604S	Total/NA	WG	3510C	
480-185364-4	MW-8806S	Total/NA	WG	3510C	
480-185364-5	MW-9111S	Total/NA	WG	3510C	
480-185364-6	MW-9112D	Total/NA	WG	3510C	
480-185364-7	MW-9112S	Total/NA	WG	3510C	
480-185364-8	MW-9114S	Total/NA	WG	3510C	
480-185364-9	MW-9502S	Total/NA	WG	3510C	
480-185364-10	PTMW-0202	Total/NA	WG	3510C	
MB 480-583387/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-583387/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-185364-10 MS	PTMW-0202	Total/NA	WG	3510C	
480-185364-10 MSD	PTMW-0202	Total/NA	WG	3510C	

Analysis Batch: 583593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-185364-1	MW-0201	Total/NA	WG	8270D	583387
480-185364-2	DUP-052621	Total/NA	WG	8270D	583387
480-185364-3	MW-8604S	Total/NA	WG	8270D	583387
480-185364-4	MW-8806S	Total/NA	WG	8270D	583387
480-185364-5	MW-9111S	Total/NA	WG	8270D	583387
480-185364-10	PTMW-0202	Total/NA	WG	8270D	583387
MB 480-583387/1-A	Method Blank	Total/NA	Water	8270D	583387
LCS 480-583387/2-A	Lab Control Sample	Total/NA	Water	8270D	583387
480-185364-10 MS	PTMW-0202	Total/NA	WG	8270D	583387

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QC Association Summary

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

Job ID: 480-185364-1

GC/MS Semi VOA (Continued)

Analysis Batch: 583593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-185364-10 MSD	PTMW-0202	Total/NA	WG	8270D	583387

Analysis Batch: 583597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-185364-6	MW-9112D	Total/NA	WG	8270D	583387
480-185364-7	MW-9112S	Total/NA	WG	8270D	583387
480-185364-8	MW-9114S	Total/NA	WG	8270D	583387
480-185364-9	MW-9502S	Total/NA	WG	8270D	583387

Lab Chronicle

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

Job ID: 480-185364-1

Client Sample ID: MW-0201

Lab Sample ID: 480-185364-1

Date Collected: 05/26/21 11:05

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	583336	05/30/21 15:06	WJD	TAL BUF
Total/NA	Prep	3510C			583387	06/01/21 08:47	JMP	TAL BUF
Total/NA	Analysis	8270D		1	583593	06/02/21 20:41	JMM	TAL BUF

Client Sample ID: DUP-052621

Lab Sample ID: 480-185364-2

Date Collected: 05/26/21 00:00

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	583377	06/01/21 16:57	CRL	TAL BUF
Total/NA	Prep	3510C			583387	06/01/21 08:47	JMP	TAL BUF
Total/NA	Analysis	8270D		1	583593	06/02/21 21:08	JMM	TAL BUF

Client Sample ID: MW-8604S

Lab Sample ID: 480-185364-3

Date Collected: 05/26/21 09:15

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	583336	05/30/21 15:52	WJD	TAL BUF
Total/NA	Prep	3510C			583387	06/01/21 08:47	JMP	TAL BUF
Total/NA	Analysis	8270D		1	583593	06/02/21 21:36	JMM	TAL BUF

Client Sample ID: MW-8806S

Lab Sample ID: 480-185364-4

Date Collected: 05/26/21 09:25

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	583336	05/30/21 16:16	WJD	TAL BUF
Total/NA	Prep	3510C			583387	06/01/21 08:47	JMP	TAL BUF
Total/NA	Analysis	8270D		1	583593	06/02/21 22:03	JMM	TAL BUF

Client Sample ID: MW-9111S

Lab Sample ID: 480-185364-5

Date Collected: 05/26/21 13:45

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	583336	05/30/21 16:39	WJD	TAL BUF
Total/NA	Prep	3510C			583387	06/01/21 08:47	JMP	TAL BUF
Total/NA	Analysis	8270D		1	583593	06/02/21 22:30	JMM	TAL BUF

Client Sample ID: MW-9112D

Lab Sample ID: 480-185364-6

Date Collected: 05/26/21 13:45

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	583336	05/30/21 17:02	WJD	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-185364-1

Client Sample ID: MW-9112D

Lab Sample ID: 480-185364-6

Date Collected: 05/26/21 13:45

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			583387	06/01/21 08:47	JMP	TAL BUF
Total/NA	Analysis	8270D		1	583597	06/03/21 00:47	JMM	TAL BUF

Client Sample ID: MW-9112S

Lab Sample ID: 480-185364-7

Date Collected: 05/26/21 14:55

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	583336	05/30/21 17:25	WJD	TAL BUF
Total/NA	Prep	3510C			583387	06/01/21 08:47	JMP	TAL BUF
Total/NA	Analysis	8270D		1	583597	06/03/21 01:14	JMM	TAL BUF

Client Sample ID: MW-9114S

Lab Sample ID: 480-185364-8

Date Collected: 05/26/21 15:00

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	583336	05/30/21 17:48	WJD	TAL BUF
Total/NA	Prep	3510C			583387	06/01/21 08:47	JMP	TAL BUF
Total/NA	Analysis	8270D		1	583597	06/03/21 01:41	JMM	TAL BUF

Client Sample ID: MW-9502S

Lab Sample ID: 480-185364-9

Date Collected: 05/26/21 11:20

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	583336	05/30/21 18:10	WJD	TAL BUF
Total/NA	Prep	3510C			583387	06/01/21 08:47	JMP	TAL BUF
Total/NA	Analysis	8270D		1	583597	06/03/21 02:09	JMM	TAL BUF

Client Sample ID: PTMW-0202

Lab Sample ID: 480-185364-10

Date Collected: 05/26/21 12:20

Matrix: WG

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	583377	06/01/21 17:19	CRL	TAL BUF
Total/NA	Prep	3510C			583387	06/01/21 08:47	JMP	TAL BUF
Total/NA	Analysis	8270D		5	583593	06/02/21 17:03	JMM	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-185364-11

Date Collected: 05/26/21 00:00

Matrix: WQ

Date Received: 05/28/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	583336	05/30/21 18:56	WJD	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-185364-1

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 480-185364-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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Method Summary

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

Job ID: 480-185364-1

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

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, 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: 480-185364-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-185364-1	MW-0201	WG	05/26/21 11:05	05/28/21 10:00	
480-185364-2	DUP-052621	WG	05/26/21 00:00	05/28/21 10:00	
480-185364-3	MW-8604S	WG	05/26/21 09:15	05/28/21 10:00	
480-185364-4	MW-8806S	WG	05/26/21 09:25	05/28/21 10:00	
480-185364-5	MW-9111S	WG	05/26/21 13:45	05/28/21 10:00	
480-185364-6	MW-9112D	WG	05/26/21 13:45	05/28/21 10:00	
480-185364-7	MW-9112S	WG	05/26/21 14:55	05/28/21 10:00	
480-185364-8	MW-9114S	WG	05/26/21 15:00	05/28/21 10:00	
480-185364-9	MW-9502S	WG	05/26/21 11:20	05/28/21 10:00	
480-185364-10	PTMW-0202	WG	05/26/21 12:20	05/28/21 10:00	
480-185364-11	TRIP BLANK	WQ	05/26/21 00:00	05/28/21 10:00	

Chain of Custody Record

Client Information		Sampler: <u>R. Clair + A. Svensson</u>		Lab PM: <u>Schove, John R</u>	Carrier Tracking No(s): <u>480-160306-29428.1</u>	COC No: <u>480-160306-29428.1</u>
Client Contact: <u>Ryan Clare</u>		Phone: <u>585-880-7747</u>		E-Mail: <u>John.Schove@Eurofinset.com</u>	State of Origin: <u>NY</u>	Page: <u>1 of 1</u>
Company: <u>ARCADIS U.S. Inc</u>		PWSID: <u>Standard (10)</u>		Analyst: <u>John Schove</u>		
Address: <u>100 Chestnut Street Suite 1020</u>		Due Date Requested: <u>5/26/21</u>		Job #:		
City: <u>Rochester</u>		TAT Requested (days): <u>5</u>		Preservation Codes:		
State/Zip: <u>NY, 14604</u>		Compliance Project: <u>Yes</u> ☐ <u>No</u> ☐		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 R - Na2SO3 F - MeOH S - H2SO4 G - Anchlor T - TSP Dodecahydrate H - Ascorbic Acid U - Acetone I - Ice J - DI Water V - MCAA K - EDTA L - EDA W - pH 4-5 Z - other (specify)		
Phone: <u>585-880-7747</u>		PO #: <u>4505261722</u>		Other:		
Email: <u>Ryan.Clare@arcadis.com</u>		WO #: <u>NYSEG Oneonta/John Ruspantini</u>				
Project Name: <u>NYSEG - Oneonta</u>		Project #: <u>48004125</u>				
Site: <u>New York</u>		SSOW#: <u></u>				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=Water, S=solid, O=soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	8270D - PAHs	8260C - BTEX	Total Number of Containers	Special Instructions/Note:
MW-8604S	5/26/21	0915	G	Water	X	X	X	X	5	
MW-9114S	5/26/21	1500	G	Water	X	X	X	X	5	
MW-8806S	5/26/21	0925	G	Water	X	X	X	X	5	
MW-0201	5/26/21	1105	G	Water	X	X	X	X	5	
MW-9111S	5/26/21	1345	G	Water	X	X	X	X	5	
MW-9112S Trip Blank									1	
MW-9112S	5/26/21	1455	G	Water	X	X	X	X	5	
MW-9112D	5/26/21	1345	G	Water	X	X	X	X	5	
MW-9502S	5/27/21	1120	G	Water	X	X	X	X	5	
PTMW-0202	5/26/21	1220	G	Water	Y	X	X	X	15	
DUP-052621	5/26/21		G	Water	X	X	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): _____			
Empty Kit Relinquished by: _____ Date: _____ Time: _____		Method of Shipment: _____	
Relinquished by: <u>Ryan Clare</u> Date/Time: <u>5/27/21 1400</u> Company: <u>ARCADIS</u>	Relinquished by: <u>Ryan Clare</u> Date/Time: <u>5/28/21 1000</u> Company: <u>TAS</u>		
Relinquished by: _____ Date/Time: _____ Company: _____	Relinquished by: _____ Date/Time: _____ Company: _____		
Relinquished by: _____ Date/Time: _____ Company: _____	Relinquished by: _____ Date/Time: _____ Company: _____		
Custody Seal No.: <u>Yes</u> ☐ <u>No</u> ☐		Cooler Temperature(s) °C and Other Remarks: <u># 216</u>	

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-185364-1

Login Number: 185364

List Source: Eurofins TestAmerica, 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	2.6 #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	

ANALYTICAL REPORT

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

Laboratory Job ID: 480-192404-1

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:

11/30/2021 6:17:30 PM

Rebecca Jones, Project Management Assistant I

Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II

(716)504-9838

John.Schove@Eurofinset.com

LINKS

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results through

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	7
Surrogate Summary	17
QC Sample Results	19
QC Association Summary	23
Lab Chronicle	25
Certification Summary	28
Method Summary	29
Sample Summary	30
Chain of Custody	31
Receipt Checklists	32



Definitions/Glossary

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

Job ID: 480-192404-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	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

Case Narrative

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

Job ID: 480-192404-1

Job ID: 480-192404-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-192404-1

Comments

No additional comments.

Receipt

The samples were received on 11/13/2021 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 2 coolers at receipt time were 2.1° C and 3.3° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-0201 (480-192404-4) and DUP-111121 (480-192404-11). 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 (480-192404-10), PTMW-0202 MS (480-192404-10[MS]) and PTMW-0202 MSD (480-192404-10[MSD]). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-0201 (480-192404-4). 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: 480-192404-1

Client Sample ID: MW-8604S

Lab Sample ID: 480-192404-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	1.8	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	0.59	J	5.0	0.38	ug/L	1		8270D	Total/NA

Client Sample ID: MW-9114S

Lab Sample ID: 480-192404-2

No Detections.

Client Sample ID: MW-8806S

Lab Sample ID: 480-192404-3

No Detections.

Client Sample ID: MW-0201

Lab Sample ID: 480-192404-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	82		2.0	0.82	ug/L	2		8260C	Total/NA
Ethylbenzene	97		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	63		2.0	1.5	ug/L	2		8260C	Total/NA
Toluene	3.3		2.0	1.0	ug/L	2		8260C	Total/NA
Xylenes, Total	76		4.0	1.3	ug/L	2		8260C	Total/NA
Naphthalene	180	E	5.0	0.76	ug/L	1		8270D	Total/NA
Naphthalene - DL	190		50	7.6	ug/L	10		8270D	Total/NA

Client Sample ID: MW-9111S

Lab Sample ID: 480-192404-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	4.6	J	5.0	0.41	ug/L	1		8270D	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-192404-6

No Detections.

Client Sample ID: MW-9112S

Lab Sample ID: 480-192404-7

No Detections.

Client Sample ID: MW-9112D

Lab Sample ID: 480-192404-8

No Detections.

Client Sample ID: MW-9502S

Lab Sample ID: 480-192404-9

No Detections.

Client Sample ID: PTMW-0202

Lab Sample ID: 480-192404-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	64		1.0	0.41	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	1.1	J	2.0	0.66	ug/L	1		8260C	Total/NA
o-Xylene	2.8		1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	3.9		2.0	0.66	ug/L	1		8260C	Total/NA
Acenaphthene	51		25	2.1	ug/L	5		8270D	Total/NA
Fluorene	11	J	25	1.8	ug/L	5		8270D	Total/NA
Naphthalene	15	J	25	3.8	ug/L	5		8270D	Total/NA
Phenanthrene	2.8	J	25	2.2	ug/L	5		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-192404-1

Client Sample ID: DUP-111121

Lab Sample ID: 480-192404-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	64		2.0	0.82	ug/L	2		8260C	Total/NA
o-Xylene	3.0		2.0	1.5	ug/L	2		8260C	Total/NA
Xylenes, Total	3.0	J	4.0	1.3	ug/L	2		8260C	Total/NA
Acenaphthene	41		5.0	0.41	ug/L	1		8270D	Total/NA
Anthracene	0.64	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	0.70	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	9.3		5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	12		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	0.69	J	5.0	0.34	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-8604S

Lab Sample ID: 480-192404-1

Date Collected: 11/11/21 08:50

Matrix: WG

Date Received: 11/13/21 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			11/19/21 03:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 03:50	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 03:50	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 03:50	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 03:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		11/19/21 03:50	1
4-Bromofluorobenzene (Surr)	103		73 - 120		11/19/21 03:50	1
Dibromofluoromethane (Surr)	107		75 - 123		11/19/21 03:50	1
Toluene-d8 (Surr)	98		80 - 120		11/19/21 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.8	J	5.0	0.41	ug/L		11/17/21 14:46	11/29/21 20:19	1
Acenaphthylene	0.59	J	5.0	0.38	ug/L		11/17/21 14:46	11/29/21 20:19	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 20:19	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 20:19	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 20:19	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 20:19	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 20:19	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 20:19	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 20:19	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/29/21 20:19	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 20:19	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 20:19	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 20:19	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/29/21 20:19	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 20:19	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	97		46 - 120	11/17/21 14:46	11/29/21 20:19	1
2-Fluorobiphenyl	119		48 - 120	11/17/21 14:46	11/29/21 20:19	1
p-Terphenyl-d14	117		60 - 148	11/17/21 14:46	11/29/21 20:19	1

Client Sample ID: MW-9114S

Lab Sample ID: 480-192404-2

Date Collected: 11/11/21 10:35

Matrix: WG

Date Received: 11/13/21 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			11/19/21 04:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 04:12	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 04:12	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 04:12	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 04:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 04:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-9114S

Lab Sample ID: 480-192404-2

Date Collected: 11/11/21 10:35

Matrix: WG

Date Received: 11/13/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		11/19/21 04:12	1
4-Bromofluorobenzene (Surr)	102		73 - 120		11/19/21 04:12	1
Dibromofluoromethane (Surr)	107		75 - 123		11/19/21 04:12	1
Toluene-d8 (Surr)	97		80 - 120		11/19/21 04:12	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		11/17/21 14:46	11/29/21 20:47	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/29/21 20:47	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 20:47	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 20:47	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 20:47	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 20:47	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 20:47	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 20:47	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 20:47	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/29/21 20:47	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 20:47	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 20:47	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 20:47	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/29/21 20:47	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 20:47	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		46 - 120	11/17/21 14:46	11/29/21 20:47	1
2-Fluorobiphenyl	102		48 - 120	11/17/21 14:46	11/29/21 20:47	1
p-Terphenyl-d14	97		60 - 148	11/17/21 14:46	11/29/21 20:47	1

Client Sample ID: MW-8806S

Lab Sample ID: 480-192404-3

Date Collected: 11/11/21 16:15

Matrix: WG

Date Received: 11/13/21 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			11/19/21 04:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 04:33	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 04:33	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 04:33	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 04:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		11/19/21 04:33	1
4-Bromofluorobenzene (Surr)	104		73 - 120		11/19/21 04:33	1
Dibromofluoromethane (Surr)	106		75 - 123		11/19/21 04:33	1
Toluene-d8 (Surr)	98		80 - 120		11/19/21 04:33	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		11/17/21 14:46	11/29/21 21:14	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-8806S

Lab Sample ID: 480-192404-3

Date Collected: 11/11/21 16:15

Matrix: WG

Date Received: 11/13/21 10:00

Method: 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		11/17/21 14:46	11/29/21 21:14	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 21:14	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 21:14	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 21:14	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 21:14	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 21:14	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 21:14	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 21:14	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/29/21 21:14	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 21:14	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 21:14	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 21:14	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/29/21 21:14	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 21:14	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	87		46 - 120	11/17/21 14:46	11/29/21 21:14	1
2-Fluorobiphenyl	107		48 - 120	11/17/21 14:46	11/29/21 21:14	1
p-Terphenyl-d14	106		60 - 148	11/17/21 14:46	11/29/21 21:14	1

Client Sample ID: MW-0201

Lab Sample ID: 480-192404-4

Date Collected: 11/11/21 10:40

Matrix: WG

Date Received: 11/13/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	82		2.0	0.82	ug/L			11/19/21 04:55	2
Ethylbenzene	97		2.0	1.5	ug/L			11/19/21 04:55	2
m-Xylene & p-Xylene	13		4.0	1.3	ug/L			11/19/21 04:55	2
o-Xylene	63		2.0	1.5	ug/L			11/19/21 04:55	2
Toluene	3.3		2.0	1.0	ug/L			11/19/21 04:55	2
Xylenes, Total	76		4.0	1.3	ug/L			11/19/21 04:55	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		11/19/21 04:55	2
4-Bromofluorobenzene (Surr)	104		73 - 120		11/19/21 04:55	2
Dibromofluoromethane (Surr)	108		75 - 123		11/19/21 04:55	2
Toluene-d8 (Surr)	100		80 - 120		11/19/21 04:55	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		11/17/21 14:46	11/29/21 21:41	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/29/21 21:41	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 21:41	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 21:41	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 21:41	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 21:41	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 21:41	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 21:41	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 21:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-0201

Lab Sample ID: 480-192404-4

Date Collected: 11/11/21 10:40

Matrix: WG

Date Received: 11/13/21 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		11/17/21 14:46	11/29/21 21:41	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 21:41	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 21:41	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 21:41	1
Naphthalene	180	E	5.0	0.76	ug/L		11/17/21 14:46	11/29/21 21:41	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 21:41	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	90		46 - 120	11/17/21 14:46	11/29/21 21:41	1
2-Fluorobiphenyl	110		48 - 120	11/17/21 14:46	11/29/21 21:41	1
p-Terphenyl-d14	92		60 - 148	11/17/21 14:46	11/29/21 21:41	1

Method: 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		11/17/21 14:46	11/30/21 10:05	10
Acenaphthylene	ND		50	3.8	ug/L		11/17/21 14:46	11/30/21 10:05	10
Anthracene	ND		50	2.8	ug/L		11/17/21 14:46	11/30/21 10:05	10
Benzo(a)anthracene	ND		50	3.6	ug/L		11/17/21 14:46	11/30/21 10:05	10
Benzo(a)pyrene	ND		50	4.7	ug/L		11/17/21 14:46	11/30/21 10:05	10
Benzo(b)fluoranthene	ND		50	3.4	ug/L		11/17/21 14:46	11/30/21 10:05	10
Benzo(g,h,i)perylene	ND		50	3.5	ug/L		11/17/21 14:46	11/30/21 10:05	10
Benzo(k)fluoranthene	ND		50	7.3	ug/L		11/17/21 14:46	11/30/21 10:05	10
Chrysene	ND		50	3.3	ug/L		11/17/21 14:46	11/30/21 10:05	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		11/17/21 14:46	11/30/21 10:05	10
Fluoranthene	ND		50	4.0	ug/L		11/17/21 14:46	11/30/21 10:05	10
Fluorene	ND		50	3.6	ug/L		11/17/21 14:46	11/30/21 10:05	10
Indeno(1,2,3-c,d)pyrene	ND		50	4.7	ug/L		11/17/21 14:46	11/30/21 10:05	10
Naphthalene	190		50	7.6	ug/L		11/17/21 14:46	11/30/21 10:05	10
Phenanthrene	ND		50	4.4	ug/L		11/17/21 14:46	11/30/21 10:05	10
Pyrene	ND		50	3.4	ug/L		11/17/21 14:46	11/30/21 10:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		46 - 120	11/17/21 14:46	11/30/21 10:05	10
2-Fluorobiphenyl	106		48 - 120	11/17/21 14:46	11/30/21 10:05	10
p-Terphenyl-d14	94		60 - 148	11/17/21 14:46	11/30/21 10:05	10

Client Sample ID: MW-9111S

Lab Sample ID: 480-192404-5

Date Collected: 11/11/21 14:30

Matrix: WG

Date Received: 11/13/21 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			11/19/21 05:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 05:17	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 05:17	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 05:17	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 05:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 05:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-9111S

Lab Sample ID: 480-192404-5

Date Collected: 11/11/21 14:30

Matrix: WG

Date Received: 11/13/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		11/19/21 05:17	1
4-Bromofluorobenzene (Surr)	104		73 - 120		11/19/21 05:17	1
Dibromofluoromethane (Surr)	110		75 - 123		11/19/21 05:17	1
Toluene-d8 (Surr)	98		80 - 120		11/19/21 05:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	4.6	J	5.0	0.41	ug/L		11/17/21 14:46	11/29/21 22:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/29/21 22:08	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 22:08	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 22:08	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 22:08	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 22:08	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 22:08	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 22:08	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 22:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/29/21 22:08	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 22:08	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 22:08	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 22:08	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/29/21 22:08	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 22:08	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	89		46 - 120	11/17/21 14:46	11/29/21 22:08	1
2-Fluorobiphenyl	107		48 - 120	11/17/21 14:46	11/29/21 22:08	1
p-Terphenyl-d14	101		60 - 148	11/17/21 14:46	11/29/21 22:08	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-192404-6

Date Collected: 11/11/21 00:00

Matrix: WQ

Date Received: 11/13/21 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			11/19/21 05:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 05:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 05:39	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 05:39	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 05:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 05:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		11/19/21 05:39	1
4-Bromofluorobenzene (Surr)	103		73 - 120		11/19/21 05:39	1
Dibromofluoromethane (Surr)	108		75 - 123		11/19/21 05:39	1
Toluene-d8 (Surr)	101		80 - 120		11/19/21 05:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-9112S

Lab Sample ID: 480-192404-7

Date Collected: 11/11/21 12:15

Matrix: WG

Date Received: 11/13/21 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			11/19/21 06:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 06:01	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 06:01	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 06:01	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 06:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 06:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		11/19/21 06:01	1
4-Bromofluorobenzene (Surr)	105		73 - 120		11/19/21 06:01	1
Dibromofluoromethane (Surr)	109		75 - 123		11/19/21 06:01	1
Toluene-d8 (Surr)	102		80 - 120		11/19/21 06:01	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		11/17/21 14:46	11/30/21 04:56	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/30/21 04:56	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/30/21 04:56	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 04:56	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 04:56	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 04:56	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/30/21 04:56	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/30/21 04:56	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/30/21 04:56	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/30/21 04:56	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/30/21 04:56	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 04:56	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 04:56	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/30/21 04:56	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/30/21 04:56	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 04:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		46 - 120	11/17/21 14:46	11/30/21 04:56	1
2-Fluorobiphenyl	83		48 - 120	11/17/21 14:46	11/30/21 04:56	1
p-Terphenyl-d14	86		60 - 148	11/17/21 14:46	11/30/21 04:56	1

Client Sample ID: MW-9112D

Lab Sample ID: 480-192404-8

Date Collected: 11/11/21 13:50

Matrix: WG

Date Received: 11/13/21 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			11/19/21 06:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 06:22	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 06:22	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 06:22	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 06:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 06:22	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-9112D

Lab Sample ID: 480-192404-8

Date Collected: 11/11/21 13:50

Matrix: WG

Date Received: 11/13/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		11/19/21 06:22	1
4-Bromofluorobenzene (Surr)	104		73 - 120		11/19/21 06:22	1
Dibromofluoromethane (Surr)	109		75 - 123		11/19/21 06:22	1
Toluene-d8 (Surr)	101		80 - 120		11/19/21 06:22	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		11/17/21 14:46	11/30/21 05:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/30/21 05:23	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/30/21 05:23	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 05:23	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 05:23	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 05:23	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/30/21 05:23	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/30/21 05:23	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/30/21 05:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/30/21 05:23	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/30/21 05:23	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 05:23	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 05:23	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/30/21 05:23	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/30/21 05:23	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 05:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	99		46 - 120	11/17/21 14:46	11/30/21 05:23	1
2-Fluorobiphenyl	120		48 - 120	11/17/21 14:46	11/30/21 05:23	1
p-Terphenyl-d14	116		60 - 148	11/17/21 14:46	11/30/21 05:23	1

Client Sample ID: MW-9502S

Lab Sample ID: 480-192404-9

Date Collected: 11/11/21 09:20

Matrix: WG

Date Received: 11/13/21 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			11/19/21 06:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 06:44	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 06:44	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 06:44	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 06:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 06:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		11/19/21 06:44	1
4-Bromofluorobenzene (Surr)	103		73 - 120		11/19/21 06:44	1
Dibromofluoromethane (Surr)	108		75 - 123		11/19/21 06:44	1
Toluene-d8 (Surr)	100		80 - 120		11/19/21 06:44	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		11/17/21 14:46	11/30/21 05:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-9502S

Lab Sample ID: 480-192404-9

Date Collected: 11/11/21 09:20

Matrix: WG

Date Received: 11/13/21 10:00

Method: 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		11/17/21 14:46	11/30/21 05:50	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/30/21 05:50	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 05:50	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 05:50	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 05:50	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/30/21 05:50	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/30/21 05:50	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/30/21 05:50	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/30/21 05:50	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/30/21 05:50	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 05:50	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 05:50	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/30/21 05:50	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/30/21 05:50	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 05:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	84		46 - 120	11/17/21 14:46	11/30/21 05:50	1
2-Fluorobiphenyl	102		48 - 120	11/17/21 14:46	11/30/21 05:50	1
p-Terphenyl-d14	85		60 - 148	11/17/21 14:46	11/30/21 05:50	1

Client Sample ID: PTMW-0202

Lab Sample ID: 480-192404-10

Date Collected: 11/11/21 12:25

Matrix: WG

Date Received: 11/13/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	64		1.0	0.41	ug/L			11/19/21 07:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 07:06	1
m-Xylene & p-Xylene	1.1	J	2.0	0.66	ug/L			11/19/21 07:06	1
o-Xylene	2.8		1.0	0.76	ug/L			11/19/21 07:06	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 07:06	1
Xylenes, Total	3.9		2.0	0.66	ug/L			11/19/21 07:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		11/19/21 07:06	1
4-Bromofluorobenzene (Surr)	105		73 - 120		11/19/21 07:06	1
Dibromofluoromethane (Surr)	108		75 - 123		11/19/21 07:06	1
Toluene-d8 (Surr)	99		80 - 120		11/19/21 07:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	51		25	2.1	ug/L		11/17/21 14:46	11/29/21 19:52	5
Acenaphthylene	ND		25	1.9	ug/L		11/17/21 14:46	11/29/21 19:52	5
Anthracene	ND		25	1.4	ug/L		11/17/21 14:46	11/29/21 19:52	5
Benzo(a)anthracene	ND		25	1.8	ug/L		11/17/21 14:46	11/29/21 19:52	5
Benzo(a)pyrene	ND		25	2.4	ug/L		11/17/21 14:46	11/29/21 19:52	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		11/17/21 14:46	11/29/21 19:52	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		11/17/21 14:46	11/29/21 19:52	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		11/17/21 14:46	11/29/21 19:52	5
Chrysene	ND		25	1.7	ug/L		11/17/21 14:46	11/29/21 19:52	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: PTMW-0202

Lab Sample ID: 480-192404-10

Date Collected: 11/11/21 12:25

Matrix: WG

Date Received: 11/13/21 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		25	2.1	ug/L		11/17/21 14:46	11/29/21 19:52	5
Fluoranthene	ND		25	2.0	ug/L		11/17/21 14:46	11/29/21 19:52	5
Fluorene	11	J	25	1.8	ug/L		11/17/21 14:46	11/29/21 19:52	5
Indeno(1,2,3-c,d)pyrene	ND		25	2.4	ug/L		11/17/21 14:46	11/29/21 19:52	5
Naphthalene	15	J	25	3.8	ug/L		11/17/21 14:46	11/29/21 19:52	5
Phenanthrene	2.8	J	25	2.2	ug/L		11/17/21 14:46	11/29/21 19:52	5
Pyrene	ND		25	1.7	ug/L		11/17/21 14:46	11/29/21 19:52	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		46 - 120	11/17/21 14:46	11/29/21 19:52	5
2-Fluorobiphenyl	106		48 - 120	11/17/21 14:46	11/29/21 19:52	5
p-Terphenyl-d14	99		60 - 148	11/17/21 14:46	11/29/21 19:52	5

Client Sample ID: DUP-111121

Lab Sample ID: 480-192404-11

Date Collected: 11/11/21 00:00

Matrix: WG

Date Received: 11/13/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	64		2.0	0.82	ug/L			11/19/21 07:28	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/19/21 07:28	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			11/19/21 07:28	2
o-Xylene	3.0		2.0	1.5	ug/L			11/19/21 07:28	2
Toluene	ND		2.0	1.0	ug/L			11/19/21 07:28	2
Xylenes, Total	3.0	J	4.0	1.3	ug/L			11/19/21 07:28	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		11/19/21 07:28	2
4-Bromofluorobenzene (Surr)	105		73 - 120		11/19/21 07:28	2
Dibromofluoromethane (Surr)	103		75 - 123		11/19/21 07:28	2
Toluene-d8 (Surr)	96		80 - 120		11/19/21 07:28	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	41		5.0	0.41	ug/L		11/17/21 14:46	11/30/21 06:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/30/21 06:18	1
Anthracene	0.64	J	5.0	0.28	ug/L		11/17/21 14:46	11/30/21 06:18	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 06:18	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 06:18	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 06:18	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/30/21 06:18	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/30/21 06:18	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/30/21 06:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/30/21 06:18	1
Fluoranthene	0.70	J	5.0	0.40	ug/L		11/17/21 14:46	11/30/21 06:18	1
Fluorene	9.3		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 06:18	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 06:18	1
Naphthalene	12		5.0	0.76	ug/L		11/17/21 14:46	11/30/21 06:18	1
Phenanthrene	2.2	J	5.0	0.44	ug/L		11/17/21 14:46	11/30/21 06:18	1
Pyrene	0.69	J	5.0	0.34	ug/L		11/17/21 14:46	11/30/21 06:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: DUP-111121

Lab Sample ID: 480-192404-11

Date Collected: 11/11/21 00:00

Matrix: WG

Date Received: 11/13/21 10:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Nitrobenzene-d5	71		46 - 120	11/17/21 14:46	11/30/21 06:18	1
2-Fluorobiphenyl	86		48 - 120	11/17/21 14:46	11/30/21 06:18	1
p-Terphenyl-d14	75		60 - 148	11/17/21 14:46	11/30/21 06:18	1

Surrogate Summary

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

Job ID: 480-192404-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
LCS 480-605597/6	Lab Control Sample	105	106	106	100
MB 480-605597/9	Method Blank	106	105	108	102
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-192404-1	MW-8604S	105	103	107	98
480-192404-2	MW-9114S	107	102	107	97
480-192404-3	MW-8806S	108	104	106	98
480-192404-4	MW-0201	108	104	108	100
480-192404-5	MW-9111S	110	104	110	98
480-192404-7	MW-9112S	108	105	109	102
480-192404-8	MW-9112D	107	104	109	101
480-192404-9	MW-9502S	108	103	108	100
480-192404-10	PTMW-0202	114	105	108	99
480-192404-10 MS	PTMW-0202 MS	105	107	110	100
480-192404-10 MSD	PTMW-0202 MSD	106	106	109	100
480-192404-11	DUP-111121	111	105	103	96
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-192404-6	TRIP BLANK	106	103	108	101
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Surrogate Summary

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

Job ID: 480-192404-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (46-120)	FBP (48-120)	TPHd14 (60-148)
LCS 480-605452/2-A	Lab Control Sample	90	105	100
MB 480-605452/1-A	Method Blank	56	70	72
Surrogate Legend				
NBZ = Nitrobenzene-d5				
FBP = 2-Fluorobiphenyl				
TPHd14 = p-Terphenyl-d14				

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

Matrix: WG

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (46-120)	FBP (48-120)	TPHd14 (60-148)
480-192404-1	MW-8604S	97	119	117
480-192404-2	MW-9114S	86	102	97
480-192404-3	MW-8806S	87	107	106
480-192404-4	MW-0201	90	110	92
480-192404-4 - DL	MW-0201	86	106	94
480-192404-5	MW-9111S	89	107	101
480-192404-7	MW-9112S	67	83	86
480-192404-8	MW-9112D	99	120	116
480-192404-9	MW-9502S	84	102	85
480-192404-10	PTMW-0202	86	106	99
480-192404-10 MS	PTMW-0202 MS	82	97	82
480-192404-10 MSD	PTMW-0202 MSD	77	95	77
480-192404-11	DUP-111121	71	86	75
Surrogate Legend				
NBZ = Nitrobenzene-d5				
FBP = 2-Fluorobiphenyl				
TPHd14 = p-Terphenyl-d14				

QC Sample Results

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

Job ID: 480-192404-1

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

Lab Sample ID: MB 480-605597/9

Matrix: Water

Analysis Batch: 605597

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			11/19/21 00:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 00:13	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 00:13	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 00:13	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 00:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 00:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		11/19/21 00:13	1
4-Bromofluorobenzene (Surr)	105		73 - 120		11/19/21 00:13	1
Dibromofluoromethane (Surr)	108		75 - 123		11/19/21 00:13	1
Toluene-d8 (Surr)	102		80 - 120		11/19/21 00:13	1

Lab Sample ID: LCS 480-605597/6

Matrix: Water

Analysis Batch: 605597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.8		ug/L		99	71 - 124
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
m-Xylene & p-Xylene	25.0	25.5		ug/L		102	76 - 122
o-Xylene	25.0	25.7		ug/L		103	76 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
Xylenes, Total	50.0	51.2		ug/L		102	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	106		75 - 123
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 480-192404-10 MS

Matrix: WG

Analysis Batch: 605597

Client Sample ID: PTMW-0202 MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	64		25.0	87.0		ug/L		93	71 - 124
Ethylbenzene	ND		25.0	25.4		ug/L		102	77 - 123
m-Xylene & p-Xylene	1.1	J	25.0	26.0		ug/L		100	76 - 122
o-Xylene	2.8		25.0	28.8		ug/L		104	76 - 122
Toluene	ND		25.0	24.6		ug/L		98	80 - 122
Xylenes, Total	3.9		50.0	54.8		ug/L		102	76 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Dibromofluoromethane (Surr)	110		75 - 123

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QC Sample Results

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

Job ID: 480-192404-1

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

Lab Sample ID: 480-192404-10 MS

Matrix: WG

Analysis Batch: 605597

Client Sample ID: PTMW-0202 MS

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 480-192404-10 MSD

Matrix: WG

Analysis Batch: 605597

Client Sample ID: PTMW-0202 MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	64		25.0	89.7		ug/L		104	71 - 124	3	13
Ethylbenzene	ND		25.0	28.3		ug/L		113	77 - 123	11	15
m-Xylene & p-Xylene	1.1	J	25.0	28.9		ug/L		111	76 - 122	11	16
o-Xylene	2.8		25.0	31.2		ug/L		114	76 - 122	8	16
Toluene	ND		25.0	27.2		ug/L		109	80 - 122	10	15
Xylenes, Total	3.9		50.0	60.1		ug/L		112	76 - 122	9	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	109		75 - 123
Toluene-d8 (Surr)	100		80 - 120

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

Lab Sample ID: MB 480-605452/1-A

Matrix: Water

Analysis Batch: 606841

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 605452

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		11/17/21 14:46	11/29/21 13:59	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/29/21 13:59	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 13:59	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 13:59	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 13:59	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 13:59	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 13:59	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 13:59	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 13:59	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/29/21 13:59	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 13:59	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 13:59	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 13:59	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/29/21 13:59	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 13:59	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 13:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	56		46 - 120	11/17/21 14:46	11/29/21 13:59	1
2-Fluorobiphenyl	70		48 - 120	11/17/21 14:46	11/29/21 13:59	1
p-Terphenyl-d14	72		60 - 148	11/17/21 14:46	11/29/21 13:59	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-192404-1

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

Lab Sample ID: LCS 480-605452/2-A

Matrix: Water

Analysis Batch: 606841

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 605452

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	32.8		ug/L		103	60 - 120
Acenaphthylene	32.0	31.5		ug/L		98	63 - 120
Anthracene	32.0	33.7		ug/L		105	67 - 120
Benzo(a)anthracene	32.0	33.1		ug/L		103	70 - 121
Benzo(a)pyrene	32.0	27.3		ug/L		85	60 - 123
Benzo(b)fluoranthene	32.0	30.9		ug/L		97	66 - 126
Benzo(g,h,i)perylene	32.0	29.0		ug/L		90	66 - 150
Benzo(k)fluoranthene	32.0	29.2		ug/L		91	65 - 124
Chrysene	32.0	32.0		ug/L		100	69 - 120
Dibenz(a,h)anthracene	32.0	30.4		ug/L		95	65 - 135
Fluoranthene	32.0	34.1		ug/L		106	69 - 126
Fluorene	32.0	35.2		ug/L		110	66 - 120
Indeno(1,2,3-c,d)pyrene	32.0	29.7		ug/L		93	69 - 146
Naphthalene	32.0	31.6		ug/L		99	57 - 120
Phenanthrene	32.0	33.7		ug/L		105	68 - 120
Pyrene	32.0	32.2		ug/L		101	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	90		46 - 120
2-Fluorobiphenyl	105		48 - 120
p-Terphenyl-d14	100		60 - 148

Lab Sample ID: 480-192404-10 MS

Matrix: WG

Analysis Batch: 606841

Client Sample ID: PTMW-0202 MS

Prep Type: Total/NA

Prep Batch: 605452

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	51		32.0	76.0		ug/L		80	48 - 120
Acenaphthylene	ND		32.0	30.3		ug/L		95	63 - 120
Anthracene	ND		32.0	31.6		ug/L		99	65 - 122
Benzo(a)anthracene	ND		32.0	25.5		ug/L		80	43 - 124
Benzo(a)pyrene	ND		32.0	20.9	J	ug/L		65	23 - 125
Benzo(b)fluoranthene	ND		32.0	23.6	J	ug/L		74	27 - 127
Benzo(g,h,i)perylene	ND		32.0	22.6	J	ug/L		71	16 - 147
Benzo(k)fluoranthene	ND		32.0	22.6	J	ug/L		71	20 - 124
Chrysene	ND		32.0	25.0		ug/L		78	44 - 122
Dibenz(a,h)anthracene	ND		32.0	23.3	J	ug/L		73	16 - 139
Fluoranthene	ND		32.0	32.5		ug/L		102	63 - 129
Fluorene	11	J	32.0	44.7		ug/L		106	62 - 120
Indeno(1,2,3-c,d)pyrene	ND		32.0	22.7	J	ug/L		71	16 - 140
Naphthalene	15	J	32.0	41.1		ug/L		83	45 - 120
Phenanthrene	2.8	J	32.0	34.0		ug/L		98	65 - 122
Pyrene	ND		32.0	29.7		ug/L		93	58 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	82		46 - 120
2-Fluorobiphenyl	97		48 - 120
p-Terphenyl-d14	82		60 - 148

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-192404-1

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

Lab Sample ID: 480-192404-10 MSD

Matrix: WG

Analysis Batch: 606841

Client Sample ID: PTMW-0202 MSD

Prep Type: Total/NA

Prep Batch: 605452

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	51		32.0	73.8		ug/L		73	48 - 120	3	24
Acenaphthylene	ND		32.0	28.7		ug/L		90	63 - 120	6	18
Anthracene	ND		32.0	31.5		ug/L		99	65 - 122	0	15
Benzo(a)anthracene	ND		32.0	25.5		ug/L		80	43 - 124	0	15
Benzo(a)pyrene	ND		32.0	20.7	J	ug/L		65	23 - 125	1	15
Benzo(b)fluoranthene	ND		32.0	23.2	J	ug/L		73	27 - 127	2	15
Benzo(g,h,i)perylene	ND		32.0	21.9	J	ug/L		68	16 - 147	3	15
Benzo(k)fluoranthene	ND		32.0	22.5	J	ug/L		70	20 - 124	0	22
Chrysene	ND		32.0	24.6	J	ug/L		77	44 - 122	2	15
Dibenz(a,h)anthracene	ND		32.0	21.8	J	ug/L		68	16 - 139	7	15
Fluoranthene	ND		32.0	30.3		ug/L		95	63 - 129	7	15
Fluorene	11	J	32.0	42.3		ug/L		98	62 - 120	5	15
Indeno(1,2,3-c,d)pyrene	ND		32.0	21.6	J	ug/L		67	16 - 140	5	15
Naphthalene	15	J	32.0	39.3		ug/L		77	45 - 120	5	29
Phenanthrene	2.8	J	32.0	32.5		ug/L		93	65 - 122	5	15
Pyrene	ND		32.0	30.2		ug/L		94	58 - 128	2	19
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Nitrobenzene-d5	77		46 - 120								
2-Fluorobiphenyl	95		48 - 120								
p-Terphenyl-d14	77		60 - 148								

QC Association Summary

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

Job ID: 480-192404-1

GC/MS VOA

Analysis Batch: 605597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192404-1	MW-8604S	Total/NA	WG	8260C	
480-192404-2	MW-9114S	Total/NA	WG	8260C	
480-192404-3	MW-8806S	Total/NA	WG	8260C	
480-192404-4	MW-0201	Total/NA	WG	8260C	
480-192404-5	MW-9111S	Total/NA	WG	8260C	
480-192404-6	TRIP BLANK	Total/NA	WQ	8260C	
480-192404-7	MW-9112S	Total/NA	WG	8260C	
480-192404-8	MW-9112D	Total/NA	WG	8260C	
480-192404-9	MW-9502S	Total/NA	WG	8260C	
480-192404-10	PTMW-0202	Total/NA	WG	8260C	
480-192404-11	DUP-111121	Total/NA	WG	8260C	
MB 480-605597/9	Method Blank	Total/NA	Water	8260C	
LCS 480-605597/6	Lab Control Sample	Total/NA	Water	8260C	
480-192404-10 MS	PTMW-0202 MS	Total/NA	WG	8260C	
480-192404-10 MSD	PTMW-0202 MSD	Total/NA	WG	8260C	

GC/MS Semi VOA

Prep Batch: 605452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192404-1	MW-8604S	Total/NA	WG	3510C	
480-192404-2	MW-9114S	Total/NA	WG	3510C	
480-192404-3	MW-8806S	Total/NA	WG	3510C	
480-192404-4 - DL	MW-0201	Total/NA	WG	3510C	
480-192404-4	MW-0201	Total/NA	WG	3510C	
480-192404-5	MW-9111S	Total/NA	WG	3510C	
480-192404-7	MW-9112S	Total/NA	WG	3510C	
480-192404-8	MW-9112D	Total/NA	WG	3510C	
480-192404-9	MW-9502S	Total/NA	WG	3510C	
480-192404-10	PTMW-0202	Total/NA	WG	3510C	
480-192404-11	DUP-111121	Total/NA	WG	3510C	
MB 480-605452/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-605452/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-192404-10 MS	PTMW-0202 MS	Total/NA	WG	3510C	
480-192404-10 MSD	PTMW-0202 MSD	Total/NA	WG	3510C	

Analysis Batch: 606841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192404-1	MW-8604S	Total/NA	WG	8270D	605452
480-192404-2	MW-9114S	Total/NA	WG	8270D	605452
480-192404-3	MW-8806S	Total/NA	WG	8270D	605452
480-192404-4	MW-0201	Total/NA	WG	8270D	605452
480-192404-5	MW-9111S	Total/NA	WG	8270D	605452
480-192404-10	PTMW-0202	Total/NA	WG	8270D	605452
MB 480-605452/1-A	Method Blank	Total/NA	Water	8270D	605452
LCS 480-605452/2-A	Lab Control Sample	Total/NA	Water	8270D	605452
480-192404-10 MS	PTMW-0202 MS	Total/NA	WG	8270D	605452
480-192404-10 MSD	PTMW-0202 MSD	Total/NA	WG	8270D	605452

QC Association Summary

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

Job ID: 480-192404-1

GC/MS Semi VOA

Analysis Batch: 606849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192404-4 - DL	MW-0201	Total/NA	WG	8270D	605452
480-192404-7	MW-9112S	Total/NA	WG	8270D	605452
480-192404-8	MW-9112D	Total/NA	WG	8270D	605452
480-192404-9	MW-9502S	Total/NA	WG	8270D	605452
480-192404-11	DUP-111121	Total/NA	WG	8270D	605452

Lab Chronicle

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

Job ID: 480-192404-1

Client Sample ID: MW-8604S

Lab Sample ID: 480-192404-1

Date Collected: 11/11/21 08:50

Matrix: WG

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605597	11/19/21 03:50	AXK	TAL BUF
Total/NA	Prep	3510C			605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D		1	606841	11/29/21 20:19	JMM	TAL BUF

Client Sample ID: MW-9114S

Lab Sample ID: 480-192404-2

Date Collected: 11/11/21 10:35

Matrix: WG

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605597	11/19/21 04:12	AXK	TAL BUF
Total/NA	Prep	3510C			605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D		1	606841	11/29/21 20:47	JMM	TAL BUF

Client Sample ID: MW-8806S

Lab Sample ID: 480-192404-3

Date Collected: 11/11/21 16:15

Matrix: WG

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605597	11/19/21 04:33	AXK	TAL BUF
Total/NA	Prep	3510C			605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D		1	606841	11/29/21 21:14	JMM	TAL BUF

Client Sample ID: MW-0201

Lab Sample ID: 480-192404-4

Date Collected: 11/11/21 10:40

Matrix: WG

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	605597	11/19/21 04:55	AXK	TAL BUF
Total/NA	Prep	3510C			605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D		1	606841	11/29/21 21:41	JMM	TAL BUF
Total/NA	Prep	3510C	DL		605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D	DL	10	606849	11/30/21 10:05	JMM	TAL BUF

Client Sample ID: MW-9111S

Lab Sample ID: 480-192404-5

Date Collected: 11/11/21 14:30

Matrix: WG

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605597	11/19/21 05:17	AXK	TAL BUF
Total/NA	Prep	3510C			605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D		1	606841	11/29/21 22:08	JMM	TAL BUF

Lab Chronicle

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

Job ID: 480-192404-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-192404-6

Date Collected: 11/11/21 00:00

Matrix: WQ

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605597	11/19/21 05:39	AXK	TAL BUF

Client Sample ID: MW-9112S

Lab Sample ID: 480-192404-7

Date Collected: 11/11/21 12:15

Matrix: WG

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605597	11/19/21 06:01	AXK	TAL BUF
Total/NA	Prep	3510C			605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D		1	606849	11/30/21 04:56	JMM	TAL BUF

Client Sample ID: MW-9112D

Lab Sample ID: 480-192404-8

Date Collected: 11/11/21 13:50

Matrix: WG

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605597	11/19/21 06:22	AXK	TAL BUF
Total/NA	Prep	3510C			605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D		1	606849	11/30/21 05:23	JMM	TAL BUF

Client Sample ID: MW-9502S

Lab Sample ID: 480-192404-9

Date Collected: 11/11/21 09:20

Matrix: WG

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605597	11/19/21 06:44	AXK	TAL BUF
Total/NA	Prep	3510C			605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D		1	606849	11/30/21 05:50	JMM	TAL BUF

Client Sample ID: PTMW-0202

Lab Sample ID: 480-192404-10

Date Collected: 11/11/21 12:25

Matrix: WG

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605597	11/19/21 07:06	AXK	TAL BUF
Total/NA	Prep	3510C			605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D		5	606841	11/29/21 19:52	JMM	TAL BUF

Client Sample ID: DUP-111121

Lab Sample ID: 480-192404-11

Date Collected: 11/11/21 00:00

Matrix: WG

Date Received: 11/13/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	605597	11/19/21 07:28	AXK	TAL BUF
Total/NA	Prep	3510C			605452	11/17/21 14:46	CMC	TAL BUF
Total/NA	Analysis	8270D		1	606849	11/30/21 06:18	JMM	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-192404-1

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 480-192404-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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Method Summary

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

Job ID: 480-192404-1

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

Protocol References:

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

Laboratory References:

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

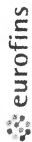
Sample Summary

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

Job ID: 480-192404-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-192404-1	MW-8604S	WG	11/11/21 08:50	11/13/21 10:00
480-192404-2	MW-9114S	WG	11/11/21 10:35	11/13/21 10:00
480-192404-3	MW-8806S	WG	11/11/21 16:15	11/13/21 10:00
480-192404-4	MW-0201	WG	11/11/21 10:40	11/13/21 10:00
480-192404-5	MW-9111S	WG	11/11/21 14:30	11/13/21 10:00
480-192404-6	TRIP BLANK	WQ	11/11/21 00:00	11/13/21 10:00
480-192404-7	MW-9112S	WG	11/11/21 12:15	11/13/21 10:00
480-192404-8	MW-9112D	WG	11/11/21 13:50	11/13/21 10:00
480-192404-9	MW-9502S	WG	11/11/21 09:20	11/13/21 10:00
480-192404-10	PTMW-0202	WG	11/11/21 12:25	11/13/21 10:00
480-192404-11	DUP-111121	WG	11/11/21 00:00	11/13/21 10:00

Chain of Custody Record

Environment Testing
America

Client Information		Sampler: <u>R. Clare & K. Fleming</u>	Lab PM: <u>Schove, John R</u>	Carrier Tracking No(s):	COC No: <u>480-167418-29428.1</u>
Client Contact: <u>Ryan Clare</u>		Phone: <u>585-880-7747</u>	E-Mail: <u>John.Schove@Eurofinset.com</u>	State of Origin: <u>NY</u>	Page: <u>1 of 1</u>
Company: <u>ARCADIS U.S. Inc</u>		PWSID:	Job #:		
Address: <u>100 Chestnut Street Suite 1020</u>		Due Date Requested:			
City: <u>Rochester</u>		TAT Requested (days): <u>Standard (10)</u>			
State, Zip: <u>NY, 14604</u>		Compliance Project: <u>Yes</u> <u>No</u>			
Phone: <u>4505261722</u>		PO #: <u>4505261722</u>			
Email: <u>Ryan.Clare@arcadis.com</u>		WO #: <u>NYSEG Oneonta/John Ruspantini</u>			
Project Name: <u>NYSEG - Oneonta</u>		Project #: <u>48004125</u>			
Site: <u>New York</u>		SSOW#: <u></u>			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other, B=biological, 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:
MW-8604S	11/11/21	0850	G	Water			X	X	5	
MW-9114S	11/11/21	1035	G	Water			X	X	5	
MW-8806S	11/11/21	1615	G	Water			X	X	5	
MW-0201	11/11/21	1040	G	Water			X	X	5	
MW-9111S	11/11/21	1430	G	Water			X	X	5	
MW-9112S Trip Blank										
MW-9112S	11/11/21	1215	G	Water			X	X	5	
MW-9112D	11/11/21	1350	G	Water			X	X	5	
MW-9502S	11/11/21	0920	G	Water			X	X	5	
PTMW-0202	11/11/21	1225	G	Water			X	X	5	
Dup - 111121	11/11/21		G	Water			X	X	2	

480-192404 Chain of Custody

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify) _____		Special Instructions/QC Requirements: _____	
Empty Kit Relinquished by: _____ Date: _____		Method of Shipment: _____	
Relinquished by: <u>Ryan Clare</u> Date/Time: <u>11-12-21 1330</u> Company: <u>ARCADIS</u>		Received by: <u>John Schove</u> Date/Time: <u>11/13/21 1000</u> Company: <u>Company</u>	
Relinquished by: _____ Date/Time: _____ Company: _____		Received by: _____ Date/Time: _____ Company: _____	
Relinquished by: _____ Date/Time: _____ Company: _____		Received by: _____ Date/Time: _____ Company: _____	
Custody Seals Intact: <u>Yes</u> <u>No</u>		Cooler Temperature(s) °C and Other Remarks: <u>313 2.1 #17CE</u>	

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-192404-1

Login Number: 192404

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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

Appendix C

DUSRs

NYSEG Oneonta Former MGP Site

Data Usability Summary Report

Oneonta, New York

Volatile Organic Compound (VOC) and Semivolatile Organic Compound (SVOC) Analyses

SDG # 480-185364-1

Analyses Performed By:

Eurofins TestAmerica Buffalo

Amherst, New York

Report #41763R

Review Level: Tier III

Project: 30076033.2

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) #480-185364-1 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	480-185364-1	Water	5/26/2021		X	X			
DUP-052621	480-185364-2	Water	5/26/2021	PTMW-0202	X	X			
MW-8604S	480-185364-3	Water	5/26/2021		X	X			
MW-8806S	480-185364-4	Water	5/26/2021		X	X			
MW-9111S	480-185364-5	Water	5/26/2021		X	X			
MW-9112D	480-185364-6	Water	5/26/2021		X	X			
MW-9112S	480-185364-7	Water	5/26/2021		X	X			
MW-9114S	480-185364-8	Water	5/26/2021		X	X			
MW-9502S	480-185364-9	Water	5/26/2021		X	X			
PTMW-0202	480-185364-10	Water	5/26/2021		X	X			
TRIP BLANK	480-185364-11	Water	5/26/2021		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 ¹	
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 – The date of collection for sample location MW-9502S (Lab ID 480-185364-9) was incorrectly documented on the chain-of-custody (COC) as 5/27/21. The correct date of collection 5/26/21 was hand corrected on the COC to match the form 1s.

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 (October 1999) 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.

Sample locations associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Surrogate	Recovery
MW-9112D	1,2-Dichloroethane-d4	> UL
	4-Bromofluorobenzene	AC
	Dibromofluoromethane	
	Toluene-d8	

Notes:

UCL Upper control limit

AC Acceptable

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	No Action
	Detect	J

Control Limit	Sample Result	Qualification
< LL but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Surrogates diluted below the calibration curve due to the high concentration of a target compounds	Non-detect	UJ ¹
	Detect	J ¹

Note:

¹ A more concentrated analysis was not performed with surrogate compounds within the calibration range; therefore, no determination of extraction efficiency could be made.

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.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
PTMW-0202	Benzene	<LL but >10%	AC

Note:

AC Acceptable

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

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
PTMW-0202/DUP-052621	Benzene	56	52	7.4%
	o-Xylene	2.0	1.9	AC
	Xylenes, Total	2.0	1.9 J	AC

Notes:

Sample ID/ Duplicate ID		Compound	Sample Result	Duplicate Result	RPD
AC	Acceptable				
NC	Not compliant				

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

The laboratory noted: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-0201(480-185364-1). 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		

Data Review Report

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

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
PTMW-0202	Acenaphthene	>UL	AC

Note:

AC Acceptable

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

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
PTMW-0202/DUP-052621	Acenaphthene	41	40	AC
	Acenaphthylene	25 U	0.43 J	AC
	Anthracene	25 U	0.38 J	AC

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
	Fluoranthene	25 U	0.49 J	AC
	Fluorene	5.2 J	4.5 J	AC
	Naphthalene	25 U	1.4 J	AC
	Phenanthrene	25 U	1.5 J	AC
	Pyrene	25 U	0.47 J	AC

Notes:

AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

The laboratory noted: The following samples were diluted due to color, appearance, and viscosity: PTMW-0202 (480-185364-10). Elevated reporting limits (RL) 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-SIM	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		
Instrument tune and performance check		X		X		

Data Review Report

SVOCs: SW-846 8270D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
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

DATA USABILITY SUMMARY REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliance ¹				Noncompliance
					VOC	SVOC	PFAS	MISC	
480-185364-1	5/26/2021	SW846	MW-0201	Water	Yes	Yes	--	--	
	5/26/2021	SW846	DUP-052621	Water	Yes	Yes	--	--	
	5/26/2021	SW846	MW-8604S	Water	Yes	Yes	--	--	
	5/26/2021	SW846	MW-8806S	Water	Yes	Yes	--	--	
	5/26/2021	SW846	MW-9111S	Water	Yes	Yes	--	--	
	5/26/2021	SW846	MW-9112D	Water	Yes	Yes	--	--	
	5/26/2021	SW846	MW-9112S	Water	Yes	Yes	--	--	
	5/26/2021	SW846	MW-9114S	Water	Yes	Yes	--	--	
	5/26/2021	SW846	MW-9502S	Water	Yes	Yes	--	--	
	5/26/2021	SW846	PTMW-0202	Water	No	No	--	--	VOC – MS %R SVOC – MS %R
	5/26/2021	SW846	TRIP BLANK	Water	Yes	--	--	--	

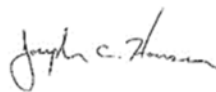
Note:

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

DATA USABILITY SUMMARY REPORT

VALIDATION PERFORMED BY: Joseph C. Houser

SIGNATURE:



DATE: June 14, 2021

PEER REVIEW: Dennis Capria

DATE: June 21, 2021

Chain of Custody Corrected Sample Analysis Data Sheets

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-0201

Lab Sample ID: 480-185364-1

Date Collected: 05/26/21 11:05

Matrix: WG

Date Received: 05/28/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	64		2.0	0.82	ug/L			05/30/21 15:06	2
Ethylbenzene	45		2.0	1.5	ug/L			05/30/21 15:06	2
m-Xylene & p-Xylene	6.9		4.0	1.3	ug/L			05/30/21 15:06	2
o-Xylene	35		2.0	1.5	ug/L			05/30/21 15:06	2
Toluene	2.0		2.0	1.0	ug/L			05/30/21 15:06	2
Xylenes, Total	42		4.0	1.3	ug/L			05/30/21 15:06	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		05/30/21 15:06	2
4-Bromofluorobenzene (Surr)	105		73 - 120		05/30/21 15:06	2
Dibromofluoromethane (Surr)	105		75 - 123		05/30/21 15:06	2
Toluene-d8 (Surr)	93		80 - 120		05/30/21 15:06	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		06/01/21 08:47	06/02/21 20:41	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/02/21 20:41	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/02/21 20:41	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 20:41	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 20:41	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 20:41	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/02/21 20:41	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/02/21 20:41	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/02/21 20:41	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/02/21 20:41	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/02/21 20:41	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 20:41	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 20:41	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/02/21 20:41	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/02/21 20:41	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	90		46 - 120	06/01/21 08:47	06/02/21 20:41	1
2-Fluorobiphenyl	101		48 - 120	06/01/21 08:47	06/02/21 20:41	1
p-Terphenyl-d14	96		60 - 148	06/01/21 08:47	06/02/21 20:41	1

Client Sample ID: DUP-052621

Lab Sample ID: 480-185364-2

Date Collected: 05/26/21 00:00

Matrix: WG

Date Received: 05/28/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	52		1.0	0.41	ug/L			06/01/21 16:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/21 16:57	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/01/21 16:57	1
o-Xylene	1.9		1.0	0.76	ug/L			06/01/21 16:57	1
Toluene	ND		1.0	0.51	ug/L			06/01/21 16:57	1
Xylenes, Total	1.9 J		2.0	0.66	ug/L			06/01/21 16:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: DUP-052621

Lab Sample ID: 480-185364-2

Date Collected: 05/26/21 00:00

Matrix: WG

Date Received: 05/28/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		06/01/21 16:57	1
4-Bromofluorobenzene (Surr)	106		73 - 120		06/01/21 16:57	1
Dibromofluoromethane (Surr)	107		75 - 123		06/01/21 16:57	1
Toluene-d8 (Surr)	88		80 - 120		06/01/21 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	40		5.0	0.41	ug/L		06/01/21 08:47	06/02/21 21:08	1
Acenaphthylene	0.43	J	5.0	0.38	ug/L		06/01/21 08:47	06/02/21 21:08	1
Anthracene	0.38	J	5.0	0.28	ug/L		06/01/21 08:47	06/02/21 21:08	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 21:08	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 21:08	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 21:08	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/02/21 21:08	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/02/21 21:08	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/02/21 21:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/02/21 21:08	1
Fluoranthene	0.49	J	5.0	0.40	ug/L		06/01/21 08:47	06/02/21 21:08	1
Fluorene	4.5	J	5.0	0.36	ug/L		06/01/21 08:47	06/02/21 21:08	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 21:08	1
Naphthalene	1.4	J	5.0	0.76	ug/L		06/01/21 08:47	06/02/21 21:08	1
Phenanthrene	1.5	J	5.0	0.44	ug/L		06/01/21 08:47	06/02/21 21:08	1
Pyrene	0.47	J	5.0	0.34	ug/L		06/01/21 08:47	06/02/21 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		46 - 120	06/01/21 08:47	06/02/21 21:08	1
2-Fluorobiphenyl	90		48 - 120	06/01/21 08:47	06/02/21 21:08	1
p-Terphenyl-d14	79		60 - 148	06/01/21 08:47	06/02/21 21:08	1

Client Sample ID: MW-8604S

Lab Sample ID: 480-185364-3

Date Collected: 05/26/21 09:15

Matrix: WG

Date Received: 05/28/21 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			05/30/21 15:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 15:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 15:52	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 15:52	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 15:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		05/30/21 15:52	1
4-Bromofluorobenzene (Surr)	106		73 - 120		05/30/21 15:52	1
Dibromofluoromethane (Surr)	118		75 - 123		05/30/21 15:52	1
Toluene-d8 (Surr)	90		80 - 120		05/30/21 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.2	J	5.2	0.43	ug/L		06/01/21 08:47	06/02/21 21:36	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-8604S

Lab Sample ID: 480-185364-3

Date Collected: 05/26/21 09:15

Matrix: WG

Date Received: 05/28/21 10:00

Method: 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		06/01/21 08:47	06/02/21 21:36	1
Anthracene	ND		5.2	0.29	ug/L		06/01/21 08:47	06/02/21 21:36	1
Benzo(a)anthracene	ND		5.2	0.38	ug/L		06/01/21 08:47	06/02/21 21:36	1
Benzo(a)pyrene	ND		5.2	0.49	ug/L		06/01/21 08:47	06/02/21 21:36	1
Benzo(b)fluoranthene	ND		5.2	0.35	ug/L		06/01/21 08:47	06/02/21 21:36	1
Benzo(g,h,i)perylene	ND		5.2	0.36	ug/L		06/01/21 08:47	06/02/21 21:36	1
Benzo(k)fluoranthene	ND		5.2	0.76	ug/L		06/01/21 08:47	06/02/21 21:36	1
Chrysene	ND		5.2	0.34	ug/L		06/01/21 08:47	06/02/21 21:36	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		06/01/21 08:47	06/02/21 21:36	1
Fluoranthene	ND		5.2	0.42	ug/L		06/01/21 08:47	06/02/21 21:36	1
Fluorene	ND		5.2	0.38	ug/L		06/01/21 08:47	06/02/21 21:36	1
Indeno(1,2,3-c,d)pyrene	ND		5.2	0.49	ug/L		06/01/21 08:47	06/02/21 21:36	1
Naphthalene	ND		5.2	0.79	ug/L		06/01/21 08:47	06/02/21 21:36	1
Phenanthrene	ND		5.2	0.46	ug/L		06/01/21 08:47	06/02/21 21:36	1
Pyrene	ND		5.2	0.35	ug/L		06/01/21 08:47	06/02/21 21:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	87		46 - 120				06/01/21 08:47	06/02/21 21:36	1
2-Fluorobiphenyl	102		48 - 120				06/01/21 08:47	06/02/21 21:36	1
p-Terphenyl-d14	94		60 - 148				06/01/21 08:47	06/02/21 21:36	1

Client Sample ID: MW-8806S

Lab Sample ID: 480-185364-4

Date Collected: 05/26/21 09:25

Matrix: WG

Date Received: 05/28/21 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			05/30/21 16:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 16:16	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 16:16	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 16:16	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 16:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 16:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120					05/30/21 16:16	1
4-Bromofluorobenzene (Surr)	104		73 - 120					05/30/21 16:16	1
Dibromofluoromethane (Surr)	111		75 - 123					05/30/21 16:16	1
Toluene-d8 (Surr)	93		80 - 120					05/30/21 16:16	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		06/01/21 08:47	06/02/21 22:03	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/02/21 22:03	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/02/21 22:03	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 22:03	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 22:03	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 22:03	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/02/21 22:03	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/02/21 22:03	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/02/21 22:03	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-8806S

Lab Sample ID: 480-185364-4

Date Collected: 05/26/21 09:25

Matrix: WG

Date Received: 05/28/21 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		06/01/21 08:47	06/02/21 22:03	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/02/21 22:03	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 22:03	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 22:03	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/02/21 22:03	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/02/21 22:03	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 22:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	96		46 - 120	06/01/21 08:47	06/02/21 22:03	1
2-Fluorobiphenyl	105		48 - 120	06/01/21 08:47	06/02/21 22:03	1
p-Terphenyl-d14	98		60 - 148	06/01/21 08:47	06/02/21 22:03	1

Client Sample ID: MW-9111S

Lab Sample ID: 480-185364-5

Date Collected: 05/26/21 13:45

Matrix: WG

Date Received: 05/28/21 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			05/30/21 16:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 16:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 16:39	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 16:39	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 16:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		05/30/21 16:39	1
4-Bromofluorobenzene (Surr)	103		73 - 120		05/30/21 16:39	1
Dibromofluoromethane (Surr)	110		75 - 123		05/30/21 16:39	1
Toluene-d8 (Surr)	89		80 - 120		05/30/21 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	3.4	J	5.0	0.41	ug/L		06/01/21 08:47	06/02/21 22:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/02/21 22:30	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/02/21 22:30	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 22:30	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 22:30	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 22:30	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/02/21 22:30	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/02/21 22:30	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/02/21 22:30	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/02/21 22:30	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/02/21 22:30	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/02/21 22:30	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/02/21 22:30	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/02/21 22:30	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/02/21 22:30	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/02/21 22:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-9111S

Lab Sample ID: 480-185364-5

Date Collected: 05/26/21 13:45

Matrix: WG

Date Received: 05/28/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		46 - 120	06/01/21 08:47	06/02/21 22:30	1
2-Fluorobiphenyl	94		48 - 120	06/01/21 08:47	06/02/21 22:30	1
p-Terphenyl-d14	89		60 - 148	06/01/21 08:47	06/02/21 22:30	1

Client Sample ID: MW-9112D

Lab Sample ID: 480-185364-6

Date Collected: 05/26/21 13:45

Matrix: WG

Date Received: 05/28/21 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			05/30/21 17:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 17:02	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 17:02	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 17:02	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 17:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122	S1+	77 - 120		05/30/21 17:02	1
4-Bromofluorobenzene (Surr)	105		73 - 120		05/30/21 17:02	1
Dibromofluoromethane (Surr)	114		75 - 123		05/30/21 17:02	1
Toluene-d8 (Surr)	92		80 - 120		05/30/21 17:02	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		06/01/21 08:47	06/03/21 00:47	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/03/21 00:47	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/03/21 00:47	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 00:47	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 00:47	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 00:47	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/03/21 00:47	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/03/21 00:47	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/03/21 00:47	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/03/21 00:47	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/03/21 00:47	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 00:47	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 00:47	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/03/21 00:47	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/03/21 00:47	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	91		46 - 120	06/01/21 08:47	06/03/21 00:47	1
2-Fluorobiphenyl	100		48 - 120	06/01/21 08:47	06/03/21 00:47	1
p-Terphenyl-d14	95		60 - 148	06/01/21 08:47	06/03/21 00:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-9112S

Lab Sample ID: 480-185364-7

Date Collected: 05/26/21 14:55

Matrix: WG

Date Received: 05/28/21 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			05/30/21 17:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 17:25	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 17:25	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 17:25	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 17:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		05/30/21 17:25	1
4-Bromofluorobenzene (Surr)	105		73 - 120		05/30/21 17:25	1
Dibromofluoromethane (Surr)	116		75 - 123		05/30/21 17:25	1
Toluene-d8 (Surr)	90		80 - 120		05/30/21 17:25	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		06/01/21 08:47	06/03/21 01:14	1
Acenaphthylene	ND		5.0	0.38	ug/L		06/01/21 08:47	06/03/21 01:14	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/03/21 01:14	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 01:14	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 01:14	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 01:14	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/03/21 01:14	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/03/21 01:14	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/03/21 01:14	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/03/21 01:14	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/03/21 01:14	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 01:14	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 01:14	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/03/21 01:14	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/03/21 01:14	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 01:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		46 - 120	06/01/21 08:47	06/03/21 01:14	1
2-Fluorobiphenyl	87		48 - 120	06/01/21 08:47	06/03/21 01:14	1
p-Terphenyl-d14	87		60 - 148	06/01/21 08:47	06/03/21 01:14	1

Client Sample ID: MW-9114S

Lab Sample ID: 480-185364-8

Date Collected: 05/26/21 15:00

Matrix: WG

Date Received: 05/28/21 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			05/30/21 17:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 17:48	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 17:48	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 17:48	1
Toluene	1.1		1.0	0.51	ug/L			05/30/21 17:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 17:48	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-9114S

Lab Sample ID: 480-185364-8

Date Collected: 05/26/21 15:00

Matrix: WG

Date Received: 05/28/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		05/30/21 17:48	1
4-Bromofluorobenzene (Surr)	98		73 - 120		05/30/21 17:48	1
Dibromofluoromethane (Surr)	109		75 - 123		05/30/21 17:48	1
Toluene-d8 (Surr)	89		80 - 120		05/30/21 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.0	0.49	ug/L		06/01/21 08:47	06/03/21 01:41	1
Acenaphthylene	ND		6.0	0.45	ug/L		06/01/21 08:47	06/03/21 01:41	1
Anthracene	ND		6.0	0.33	ug/L		06/01/21 08:47	06/03/21 01:41	1
Benzo(a)anthracene	ND		6.0	0.43	ug/L		06/01/21 08:47	06/03/21 01:41	1
Benzo(a)pyrene	ND		6.0	0.56	ug/L		06/01/21 08:47	06/03/21 01:41	1
Benzo(b)fluoranthene	ND		6.0	0.40	ug/L		06/01/21 08:47	06/03/21 01:41	1
Benzo(g,h,i)perylene	ND		6.0	0.42	ug/L		06/01/21 08:47	06/03/21 01:41	1
Benzo(k)fluoranthene	ND		6.0	0.87	ug/L		06/01/21 08:47	06/03/21 01:41	1
Chrysene	ND		6.0	0.39	ug/L		06/01/21 08:47	06/03/21 01:41	1
Dibenz(a,h)anthracene	ND		6.0	0.50	ug/L		06/01/21 08:47	06/03/21 01:41	1
Fluoranthene	ND		6.0	0.48	ug/L		06/01/21 08:47	06/03/21 01:41	1
Fluorene	ND		6.0	0.43	ug/L		06/01/21 08:47	06/03/21 01:41	1
Indeno(1,2,3-c,d)pyrene	ND		6.0	0.56	ug/L		06/01/21 08:47	06/03/21 01:41	1
Naphthalene	ND		6.0	0.90	ug/L		06/01/21 08:47	06/03/21 01:41	1
Phenanthrene	ND		6.0	0.52	ug/L		06/01/21 08:47	06/03/21 01:41	1
Pyrene	ND		6.0	0.40	ug/L		06/01/21 08:47	06/03/21 01:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	93		46 - 120	06/01/21 08:47	06/03/21 01:41	1
2-Fluorobiphenyl	102		48 - 120	06/01/21 08:47	06/03/21 01:41	1
p-Terphenyl-d14	91		60 - 148	06/01/21 08:47	06/03/21 01:41	1

Client Sample ID: MW-9502S

Lab Sample ID: 480-185364-9

Date Collected: 05/26/21 11:20

Matrix: WG

Date Received: 05/28/21 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			05/30/21 18:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 18:10	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 18:10	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 18:10	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 18:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		05/30/21 18:10	1
4-Bromofluorobenzene (Surr)	105		73 - 120		05/30/21 18:10	1
Dibromofluoromethane (Surr)	111		75 - 123		05/30/21 18:10	1
Toluene-d8 (Surr)	94		80 - 120		05/30/21 18:10	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		06/01/21 08:47	06/03/21 02:09	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: MW-9502S

Lab Sample ID: 480-185364-9

Date Collected: 05/26/21 11:20

Matrix: WG

Date Received: 05/28/21 10:00

Method: 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		06/01/21 08:47	06/03/21 02:09	1
Anthracene	ND		5.0	0.28	ug/L		06/01/21 08:47	06/03/21 02:09	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 02:09	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 02:09	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 02:09	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		06/01/21 08:47	06/03/21 02:09	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		06/01/21 08:47	06/03/21 02:09	1
Chrysene	ND		5.0	0.33	ug/L		06/01/21 08:47	06/03/21 02:09	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		06/01/21 08:47	06/03/21 02:09	1
Fluoranthene	ND		5.0	0.40	ug/L		06/01/21 08:47	06/03/21 02:09	1
Fluorene	ND		5.0	0.36	ug/L		06/01/21 08:47	06/03/21 02:09	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		06/01/21 08:47	06/03/21 02:09	1
Naphthalene	ND		5.0	0.76	ug/L		06/01/21 08:47	06/03/21 02:09	1
Phenanthrene	ND		5.0	0.44	ug/L		06/01/21 08:47	06/03/21 02:09	1
Pyrene	ND		5.0	0.34	ug/L		06/01/21 08:47	06/03/21 02:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	94		46 - 120	06/01/21 08:47	06/03/21 02:09	1
2-Fluorobiphenyl	107		48 - 120	06/01/21 08:47	06/03/21 02:09	1
p-Terphenyl-d14	95		60 - 148	06/01/21 08:47	06/03/21 02:09	1

Client Sample ID: PTMW-0202

Lab Sample ID: 480-185364-10

Date Collected: 05/26/21 12:20

Matrix: WG

Date Received: 05/28/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	56	F1 - J	1.0	0.41	ug/L			06/01/21 17:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/21 17:19	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			06/01/21 17:19	1
o-Xylene	2.0		1.0	0.76	ug/L			06/01/21 17:19	1
Toluene	ND		1.0	0.51	ug/L			06/01/21 17:19	1
Xylenes, Total	2.0		2.0	0.66	ug/L			06/01/21 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		06/01/21 17:19	1
4-Bromofluorobenzene (Surr)	106		73 - 120		06/01/21 17:19	1
Dibromofluoromethane (Surr)	101		75 - 123		06/01/21 17:19	1
Toluene-d8 (Surr)	89		80 - 120		06/01/21 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	41	F1 - J	25	2.1	ug/L		06/01/21 08:47	06/02/21 17:03	5
Acenaphthylene	ND		25	1.9	ug/L		06/01/21 08:47	06/02/21 17:03	5
Anthracene	ND		25	1.4	ug/L		06/01/21 08:47	06/02/21 17:03	5
Benzo(a)anthracene	ND		25	1.8	ug/L		06/01/21 08:47	06/02/21 17:03	5
Benzo(a)pyrene	ND		25	2.4	ug/L		06/01/21 08:47	06/02/21 17:03	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		06/01/21 08:47	06/02/21 17:03	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		06/01/21 08:47	06/02/21 17:03	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		06/01/21 08:47	06/02/21 17:03	5
Chrysene	ND		25	1.7	ug/L		06/01/21 08:47	06/02/21 17:03	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-185364-1

Client Sample ID: PTMW-0202

Lab Sample ID: 480-185364-10

Date Collected: 05/26/21 12:20

Matrix: WG

Date Received: 05/28/21 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		25	2.1	ug/L		06/01/21 08:47	06/02/21 17:03	5
Fluoranthene	ND		25	2.0	ug/L		06/01/21 08:47	06/02/21 17:03	5
Fluorene	5.2	J	25	1.8	ug/L		06/01/21 08:47	06/02/21 17:03	5
Indeno(1,2,3-c,d)pyrene	ND		25	2.4	ug/L		06/01/21 08:47	06/02/21 17:03	5
Naphthalene	ND		25	3.8	ug/L		06/01/21 08:47	06/02/21 17:03	5
Phenanthrene	ND		25	2.2	ug/L		06/01/21 08:47	06/02/21 17:03	5
Pyrene	ND		25	1.7	ug/L		06/01/21 08:47	06/02/21 17:03	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		46 - 120	06/01/21 08:47	06/02/21 17:03	5
2-Fluorobiphenyl	92		48 - 120	06/01/21 08:47	06/02/21 17:03	5
p-Terphenyl-d14	99		60 - 148	06/01/21 08:47	06/02/21 17:03	5

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-185364-11

Date Collected: 05/26/21 00:00

Matrix: WQ

Date Received: 05/28/21 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			05/30/21 18:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/30/21 18:56	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			05/30/21 18:56	1
o-Xylene	ND		1.0	0.76	ug/L			05/30/21 18:56	1
Toluene	ND		1.0	0.51	ug/L			05/30/21 18:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/30/21 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		05/30/21 18:56	1
4-Bromofluorobenzene (Surr)	108		73 - 120		05/30/21 18:56	1
Dibromofluoromethane (Surr)	114		75 - 123		05/30/21 18:56	1
Toluene-d8 (Surr)	92		80 - 120		05/30/21 18:56	1

eurofins Environment Testing America

Age Group	Number of People
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15

NYSEG Oneonta Former MGP Site

Data Usability Summary Report

Oneonta, New York

Volatile Organic Compound (VOC) and Semivolatile Organic Compound (SVOC) Analyses

SDG # 480-192404-1

Analyses Performed By:

Eurofins TestAmerica Buffalo

Amherst, New York

Report #43609R

Review Level: Tier III

Project: 30076033.2

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) #480-192404-1 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-8604S	480-192404-1	Water	11/11/2021		X	X			
MW-9114S	480-192404-2	Water	11/11/2021		X	X			
MW-8806S	480-192404-3	Water	11/11/2021		X	X			
MW-0201	480-192404-4	Water	11/11/2021		X	X			
MW-9111S	480-192404-5	Water	11/11/2021		X	X			
TRIP BLANK	480-192404-6	Water	11/11/2021		X				
MW-9112S	480-192404-7	Water	11/11/2021		X	X			
MW-9112D	480-192404-8	Water	11/11/2021		X	X			
MW-9502S	480-192404-9	Water	11/11/2021		X	X			
PTMW-0202	480-192404-10	Water	11/11/2021		X	X			
DUP-111121	480-192404-11	Water	11/11/2021	PTMW-0202	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 (October 1999) 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 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	Compound	Sample Result	Duplicate Result	RPD
PTMW-0202/DUP-111121	Benzene	64	64	0.0%
	m-Xylene & p-Xylene	1.1 J	4.0 U	AC
	o-Xylene	2.8	3.0	AC
	Xylenes, Total	3.9	3.0 J	AC

Notes:

AC Acceptable
NC Not compliant

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

The laboratory noted: Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-0201 (480-192404-4) and DUP-111121 (480-192404-11). 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		

Data Review Report

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
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	
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. 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 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	Compound	Sample Result	Duplicate Result	RPD
PTMW-0202/DUP-111121	Acenaphthene	51	41	AC
	Anthracene	25 U	0.64 J	AC
	Fluoranthene	25 U	0.70 J	AC
	Fluorene	11 J	9.3	AC
	Naphthalene	15 J	12	AC
	Phenanthrene	2.8 J	2.2 J	AC
	Pyrene	25 U	0.69 J	AC

Notes:

AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

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
MW-0201	Naphthalene	180 E	190 D	190 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 8270D: The following samples were diluted due to color, appearance, and viscosity: PTMW-0202 (480-192404-10), PTMW-0202 MS (480-192404-10[MS]) and PTMW-0202 MSD (480-192404-10[MSD]). Elevated reporting limits (RL) 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-SIM	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		
Instrument tune and performance check		X		X		

Data Review Report

SVOCs: SW-846 8270D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
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

DATA USABILITY SUMMARY REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliance ¹				Noncompliance
					VOC	SVOC	PFAS	MISC	
480-192404-1	11/11/2021	SW846	MW-8604S	Water	Yes	Yes	--	--	
	11/11/2021	SW846	MW-9114S	Water	Yes	Yes	--	--	
	11/11/2021	SW846	MW-8806S	Water	Yes	Yes	--	--	
	11/11/2021	SW846	MW-0201	Water	Yes	Yes	--	--	
	11/11/2021	SW846	MW-9111S	Water	Yes	Yes	--	--	
	11/11/2021	SW846	TRIP BLANK	Water	Yes	--	--	--	
	11/11/2021	SW846	MW-9112S	Water	Yes	Yes	--	--	
	11/11/2021	SW846	MW-9112D	Water	Yes	Yes	--	--	
	11/11/2021	SW846	MW-9502S	Water	Yes	Yes	--	--	
	11/11/2021	SW846	PTMW-0202	Water	Yes	Yes	--	--	
	11/11/2021	SW846	DUP-111121	Water	Yes	Yes	--	--	

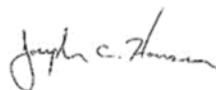
Note:

- 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.

DATA USABILITY SUMMARY REPORT

VALIDATION PERFORMED BY: Joseph C. Houser

SIGNATURE:



DATE: December 1, 2021

PEER REVIEW: Dennis Capria

DATE: December 2, 2021

Chain of Custody Corrected Sample Analysis Data Sheets

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-8604S

Lab Sample ID: 480-192404-1

Date Collected: 11/11/21 08:50

Matrix: WG

Date Received: 11/13/21 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			11/19/21 03:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 03:50	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 03:50	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 03:50	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 03:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		11/19/21 03:50	1
4-Bromofluorobenzene (Surr)	103		73 - 120		11/19/21 03:50	1
Dibromofluoromethane (Surr)	107		75 - 123		11/19/21 03:50	1
Toluene-d8 (Surr)	98		80 - 120		11/19/21 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.8	J	5.0	0.41	ug/L		11/17/21 14:46	11/29/21 20:19	1
Acenaphthylene	0.59	J	5.0	0.38	ug/L		11/17/21 14:46	11/29/21 20:19	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 20:19	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 20:19	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 20:19	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 20:19	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 20:19	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 20:19	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 20:19	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/29/21 20:19	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 20:19	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 20:19	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 20:19	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/29/21 20:19	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 20:19	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	97		46 - 120	11/17/21 14:46	11/29/21 20:19	1
2-Fluorobiphenyl	119		48 - 120	11/17/21 14:46	11/29/21 20:19	1
p-Terphenyl-d14	117		60 - 148	11/17/21 14:46	11/29/21 20:19	1

Client Sample ID: MW-9114S

Lab Sample ID: 480-192404-2

Date Collected: 11/11/21 10:35

Matrix: WG

Date Received: 11/13/21 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			11/19/21 04:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 04:12	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 04:12	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 04:12	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 04:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 04:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-9114S

Lab Sample ID: 480-192404-2

Date Collected: 11/11/21 10:35

Matrix: WG

Date Received: 11/13/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		11/19/21 04:12	1
4-Bromofluorobenzene (Surr)	102		73 - 120		11/19/21 04:12	1
Dibromofluoromethane (Surr)	107		75 - 123		11/19/21 04:12	1
Toluene-d8 (Surr)	97		80 - 120		11/19/21 04:12	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		11/17/21 14:46	11/29/21 20:47	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/29/21 20:47	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 20:47	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 20:47	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 20:47	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 20:47	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 20:47	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 20:47	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 20:47	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/29/21 20:47	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 20:47	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 20:47	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 20:47	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/29/21 20:47	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 20:47	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		46 - 120	11/17/21 14:46	11/29/21 20:47	1
2-Fluorobiphenyl	102		48 - 120	11/17/21 14:46	11/29/21 20:47	1
p-Terphenyl-d14	97		60 - 148	11/17/21 14:46	11/29/21 20:47	1

Client Sample ID: MW-8806S

Lab Sample ID: 480-192404-3

Date Collected: 11/11/21 16:15

Matrix: WG

Date Received: 11/13/21 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			11/19/21 04:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 04:33	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 04:33	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 04:33	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 04:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		11/19/21 04:33	1
4-Bromofluorobenzene (Surr)	104		73 - 120		11/19/21 04:33	1
Dibromofluoromethane (Surr)	106		75 - 123		11/19/21 04:33	1
Toluene-d8 (Surr)	98		80 - 120		11/19/21 04:33	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		11/17/21 14:46	11/29/21 21:14	1

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Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-8806S

Lab Sample ID: 480-192404-3

Date Collected: 11/11/21 16:15

Matrix: WG

Date Received: 11/13/21 10:00

Method: 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		11/17/21 14:46	11/29/21 21:14	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 21:14	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 21:14	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 21:14	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 21:14	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 21:14	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 21:14	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 21:14	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/29/21 21:14	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 21:14	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 21:14	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 21:14	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/29/21 21:14	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 21:14	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	87		46 - 120	11/17/21 14:46	11/29/21 21:14	1
2-Fluorobiphenyl	107		48 - 120	11/17/21 14:46	11/29/21 21:14	1
p-Terphenyl-d14	106		60 - 148	11/17/21 14:46	11/29/21 21:14	1

Client Sample ID: MW-0201

Lab Sample ID: 480-192404-4

Date Collected: 11/11/21 10:40

Matrix: WG

Date Received: 11/13/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	82		2.0	0.82	ug/L			11/19/21 04:55	2
Ethylbenzene	97		2.0	1.5	ug/L			11/19/21 04:55	2
m-Xylene & p-Xylene	13		4.0	1.3	ug/L			11/19/21 04:55	2
o-Xylene	63		2.0	1.5	ug/L			11/19/21 04:55	2
Toluene	3.3		2.0	1.0	ug/L			11/19/21 04:55	2
Xylenes, Total	76		4.0	1.3	ug/L			11/19/21 04:55	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		11/19/21 04:55	2
4-Bromofluorobenzene (Surr)	104		73 - 120		11/19/21 04:55	2
Dibromofluoromethane (Surr)	108		75 - 123		11/19/21 04:55	2
Toluene-d8 (Surr)	100		80 - 120		11/19/21 04:55	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		11/17/21 14:46	11/29/21 21:41	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/29/21 21:41	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 21:41	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 21:41	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 21:41	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 21:41	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 21:41	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 21:41	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 21:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-0201

Lab Sample ID: 480-192404-4

Date Collected: 11/11/21 10:40

Matrix: WG

Date Received: 11/13/21 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		11/17/21 14:46	11/29/21 21:41	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 21:41	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 21:41	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 21:41	1
Naphthalene	180	E	5.0	0.76	ug/L		11/17/21 14:46	11/29/21 21:41	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 21:41	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	90		46 - 120	11/17/21 14:46	11/29/21 21:41	1
2-Fluorobiphenyl	110		48 - 120	11/17/21 14:46	11/29/21 21:41	1
p-Terphenyl-d14	92		60 - 148	11/17/21 14:46	11/29/21 21:41	1

Method: 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		11/17/21 14:46	11/30/21 10:05	10
Acenaphthylene	ND		50	3.8	ug/L		11/17/21 14:46	11/30/21 10:05	10
Anthracene	ND		50	2.8	ug/L		11/17/21 14:46	11/30/21 10:05	10
Benzo(a)anthracene	ND		50	3.6	ug/L		11/17/21 14:46	11/30/21 10:05	10
Benzo(a)pyrene	ND		50	4.7	ug/L		11/17/21 14:46	11/30/21 10:05	10
Benzo(b)fluoranthene	ND		50	3.4	ug/L		11/17/21 14:46	11/30/21 10:05	10
Benzo(g,h,i)perylene	ND		50	3.5	ug/L		11/17/21 14:46	11/30/21 10:05	10
Benzo(k)fluoranthene	ND		50	7.3	ug/L		11/17/21 14:46	11/30/21 10:05	10
Chrysene	ND		50	3.3	ug/L		11/17/21 14:46	11/30/21 10:05	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		11/17/21 14:46	11/30/21 10:05	10
Fluoranthene	ND		50	4.0	ug/L		11/17/21 14:46	11/30/21 10:05	10
Fluorene	ND		50	3.6	ug/L		11/17/21 14:46	11/30/21 10:05	10
Indeno(1,2,3-c,d)pyrene	ND		50	4.7	ug/L		11/17/21 14:46	11/30/21 10:05	10
Naphthalene	190	D	50	7.6	ug/L		11/17/21 14:46	11/30/21 10:05	10
Phenanthrene	ND		50	4.4	ug/L		11/17/21 14:46	11/30/21 10:05	10
Pyrene	ND		50	3.4	ug/L		11/17/21 14:46	11/30/21 10:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		46 - 120	11/17/21 14:46	11/30/21 10:05	10
2-Fluorobiphenyl	106		48 - 120	11/17/21 14:46	11/30/21 10:05	10
p-Terphenyl-d14	94		60 - 148	11/17/21 14:46	11/30/21 10:05	10

Client Sample ID: MW-9111S

Lab Sample ID: 480-192404-5

Date Collected: 11/11/21 14:30

Matrix: WG

Date Received: 11/13/21 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			11/19/21 05:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 05:17	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 05:17	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 05:17	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 05:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 05:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-9111S

Lab Sample ID: 480-192404-5

Date Collected: 11/11/21 14:30

Matrix: WG

Date Received: 11/13/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		11/19/21 05:17	1
4-Bromofluorobenzene (Surr)	104		73 - 120		11/19/21 05:17	1
Dibromofluoromethane (Surr)	110		75 - 123		11/19/21 05:17	1
Toluene-d8 (Surr)	98		80 - 120		11/19/21 05:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	4.6	J	5.0	0.41	ug/L		11/17/21 14:46	11/29/21 22:08	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/29/21 22:08	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/29/21 22:08	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 22:08	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 22:08	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 22:08	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/29/21 22:08	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/29/21 22:08	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/29/21 22:08	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/29/21 22:08	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/29/21 22:08	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/29/21 22:08	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/29/21 22:08	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/29/21 22:08	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/29/21 22:08	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/29/21 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	89		46 - 120	11/17/21 14:46	11/29/21 22:08	1
2-Fluorobiphenyl	107		48 - 120	11/17/21 14:46	11/29/21 22:08	1
p-Terphenyl-d14	101		60 - 148	11/17/21 14:46	11/29/21 22:08	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-192404-6

Date Collected: 11/11/21 00:00

Matrix: WQ

Date Received: 11/13/21 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			11/19/21 05:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 05:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 05:39	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 05:39	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 05:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 05:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		11/19/21 05:39	1
4-Bromofluorobenzene (Surr)	103		73 - 120		11/19/21 05:39	1
Dibromofluoromethane (Surr)	108		75 - 123		11/19/21 05:39	1
Toluene-d8 (Surr)	101		80 - 120		11/19/21 05:39	1

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-9112S

Lab Sample ID: 480-192404-7

Date Collected: 11/11/21 12:15

Matrix: WG

Date Received: 11/13/21 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			11/19/21 06:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 06:01	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 06:01	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 06:01	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 06:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 06:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		11/19/21 06:01	1
4-Bromofluorobenzene (Surr)	105		73 - 120		11/19/21 06:01	1
Dibromofluoromethane (Surr)	109		75 - 123		11/19/21 06:01	1
Toluene-d8 (Surr)	102		80 - 120		11/19/21 06:01	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		11/17/21 14:46	11/30/21 04:56	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/30/21 04:56	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/30/21 04:56	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 04:56	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 04:56	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 04:56	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/30/21 04:56	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/30/21 04:56	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/30/21 04:56	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/30/21 04:56	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/30/21 04:56	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 04:56	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 04:56	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/30/21 04:56	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/30/21 04:56	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 04:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	67		46 - 120	11/17/21 14:46	11/30/21 04:56	1
2-Fluorobiphenyl	83		48 - 120	11/17/21 14:46	11/30/21 04:56	1
p-Terphenyl-d14	86		60 - 148	11/17/21 14:46	11/30/21 04:56	1

Client Sample ID: MW-9112D

Lab Sample ID: 480-192404-8

Date Collected: 11/11/21 13:50

Matrix: WG

Date Received: 11/13/21 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			11/19/21 06:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 06:22	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 06:22	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 06:22	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 06:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 06:22	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-9112D

Lab Sample ID: 480-192404-8

Date Collected: 11/11/21 13:50

Matrix: WG

Date Received: 11/13/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		11/19/21 06:22	1
4-Bromofluorobenzene (Surr)	104		73 - 120		11/19/21 06:22	1
Dibromofluoromethane (Surr)	109		75 - 123		11/19/21 06:22	1
Toluene-d8 (Surr)	101		80 - 120		11/19/21 06:22	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		11/17/21 14:46	11/30/21 05:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/30/21 05:23	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/30/21 05:23	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 05:23	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 05:23	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 05:23	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/30/21 05:23	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/30/21 05:23	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/30/21 05:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/30/21 05:23	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/30/21 05:23	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 05:23	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 05:23	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/30/21 05:23	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/30/21 05:23	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 05:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	99		46 - 120	11/17/21 14:46	11/30/21 05:23	1
2-Fluorobiphenyl	120		48 - 120	11/17/21 14:46	11/30/21 05:23	1
p-Terphenyl-d14	116		60 - 148	11/17/21 14:46	11/30/21 05:23	1

Client Sample ID: MW-9502S

Lab Sample ID: 480-192404-9

Date Collected: 11/11/21 09:20

Matrix: WG

Date Received: 11/13/21 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			11/19/21 06:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 06:44	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/21 06:44	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/21 06:44	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 06:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/21 06:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		11/19/21 06:44	1
4-Bromofluorobenzene (Surr)	103		73 - 120		11/19/21 06:44	1
Dibromofluoromethane (Surr)	108		75 - 123		11/19/21 06:44	1
Toluene-d8 (Surr)	100		80 - 120		11/19/21 06:44	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		11/17/21 14:46	11/30/21 05:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: MW-9502S

Lab Sample ID: 480-192404-9

Date Collected: 11/11/21 09:20

Matrix: WG

Date Received: 11/13/21 10:00

Method: 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		11/17/21 14:46	11/30/21 05:50	1
Anthracene	ND		5.0	0.28	ug/L		11/17/21 14:46	11/30/21 05:50	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 05:50	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 05:50	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 05:50	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/30/21 05:50	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/30/21 05:50	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/30/21 05:50	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/30/21 05:50	1
Fluoranthene	ND		5.0	0.40	ug/L		11/17/21 14:46	11/30/21 05:50	1
Fluorene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 05:50	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 05:50	1
Naphthalene	ND		5.0	0.76	ug/L		11/17/21 14:46	11/30/21 05:50	1
Phenanthrene	ND		5.0	0.44	ug/L		11/17/21 14:46	11/30/21 05:50	1
Pyrene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 05:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	84		46 - 120	11/17/21 14:46	11/30/21 05:50	1
2-Fluorobiphenyl	102		48 - 120	11/17/21 14:46	11/30/21 05:50	1
p-Terphenyl-d14	85		60 - 148	11/17/21 14:46	11/30/21 05:50	1

Client Sample ID: PTMW-0202

Lab Sample ID: 480-192404-10

Date Collected: 11/11/21 12:25

Matrix: WG

Date Received: 11/13/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	64		1.0	0.41	ug/L			11/19/21 07:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/21 07:06	1
m-Xylene & p-Xylene	1.1	J	2.0	0.66	ug/L			11/19/21 07:06	1
o-Xylene	2.8		1.0	0.76	ug/L			11/19/21 07:06	1
Toluene	ND		1.0	0.51	ug/L			11/19/21 07:06	1
Xylenes, Total	3.9		2.0	0.66	ug/L			11/19/21 07:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		11/19/21 07:06	1
4-Bromofluorobenzene (Surr)	105		73 - 120		11/19/21 07:06	1
Dibromofluoromethane (Surr)	108		75 - 123		11/19/21 07:06	1
Toluene-d8 (Surr)	99		80 - 120		11/19/21 07:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	51		25	2.1	ug/L		11/17/21 14:46	11/29/21 19:52	5
Acenaphthylene	ND		25	1.9	ug/L		11/17/21 14:46	11/29/21 19:52	5
Anthracene	ND		25	1.4	ug/L		11/17/21 14:46	11/29/21 19:52	5
Benzo(a)anthracene	ND		25	1.8	ug/L		11/17/21 14:46	11/29/21 19:52	5
Benzo(a)pyrene	ND		25	2.4	ug/L		11/17/21 14:46	11/29/21 19:52	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		11/17/21 14:46	11/29/21 19:52	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		11/17/21 14:46	11/29/21 19:52	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		11/17/21 14:46	11/29/21 19:52	5
Chrysene	ND		25	1.7	ug/L		11/17/21 14:46	11/29/21 19:52	5

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: PTMW-0202

Lab Sample ID: 480-192404-10

Date Collected: 11/11/21 12:25

Matrix: WG

Date Received: 11/13/21 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		25	2.1	ug/L		11/17/21 14:46	11/29/21 19:52	5
Fluoranthene	ND		25	2.0	ug/L		11/17/21 14:46	11/29/21 19:52	5
Fluorene	11	J	25	1.8	ug/L		11/17/21 14:46	11/29/21 19:52	5
Indeno(1,2,3-c,d)pyrene	ND		25	2.4	ug/L		11/17/21 14:46	11/29/21 19:52	5
Naphthalene	15	J	25	3.8	ug/L		11/17/21 14:46	11/29/21 19:52	5
Phenanthrene	2.8	J	25	2.2	ug/L		11/17/21 14:46	11/29/21 19:52	5
Pyrene	ND		25	1.7	ug/L		11/17/21 14:46	11/29/21 19:52	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		46 - 120	11/17/21 14:46	11/29/21 19:52	5
2-Fluorobiphenyl	106		48 - 120	11/17/21 14:46	11/29/21 19:52	5
p-Terphenyl-d14	99		60 - 148	11/17/21 14:46	11/29/21 19:52	5

Client Sample ID: DUP-111121

Lab Sample ID: 480-192404-11

Date Collected: 11/11/21 00:00

Matrix: WG

Date Received: 11/13/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	64		2.0	0.82	ug/L			11/19/21 07:28	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/19/21 07:28	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			11/19/21 07:28	2
o-Xylene	3.0		2.0	1.5	ug/L			11/19/21 07:28	2
Toluene	ND		2.0	1.0	ug/L			11/19/21 07:28	2
Xylenes, Total	3.0	J	4.0	1.3	ug/L			11/19/21 07:28	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		11/19/21 07:28	2
4-Bromofluorobenzene (Surr)	105		73 - 120		11/19/21 07:28	2
Dibromofluoromethane (Surr)	103		75 - 123		11/19/21 07:28	2
Toluene-d8 (Surr)	96		80 - 120		11/19/21 07:28	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	41		5.0	0.41	ug/L		11/17/21 14:46	11/30/21 06:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/17/21 14:46	11/30/21 06:18	1
Anthracene	0.64	J	5.0	0.28	ug/L		11/17/21 14:46	11/30/21 06:18	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 06:18	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 06:18	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/17/21 14:46	11/30/21 06:18	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/17/21 14:46	11/30/21 06:18	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/17/21 14:46	11/30/21 06:18	1
Chrysene	ND		5.0	0.33	ug/L		11/17/21 14:46	11/30/21 06:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/17/21 14:46	11/30/21 06:18	1
Fluoranthene	0.70	J	5.0	0.40	ug/L		11/17/21 14:46	11/30/21 06:18	1
Fluorene	9.3		5.0	0.36	ug/L		11/17/21 14:46	11/30/21 06:18	1
Indeno(1,2,3-c,d)pyrene	ND		5.0	0.47	ug/L		11/17/21 14:46	11/30/21 06:18	1
Naphthalene	12		5.0	0.76	ug/L		11/17/21 14:46	11/30/21 06:18	1
Phenanthrene	2.2	J	5.0	0.44	ug/L		11/17/21 14:46	11/30/21 06:18	1
Pyrene	0.69	J	5.0	0.34	ug/L		11/17/21 14:46	11/30/21 06:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-192404-1

Client Sample ID: DUP-111121

Lab Sample ID: 480-192404-11

Date Collected: 11/11/21 00:00

Matrix: WG

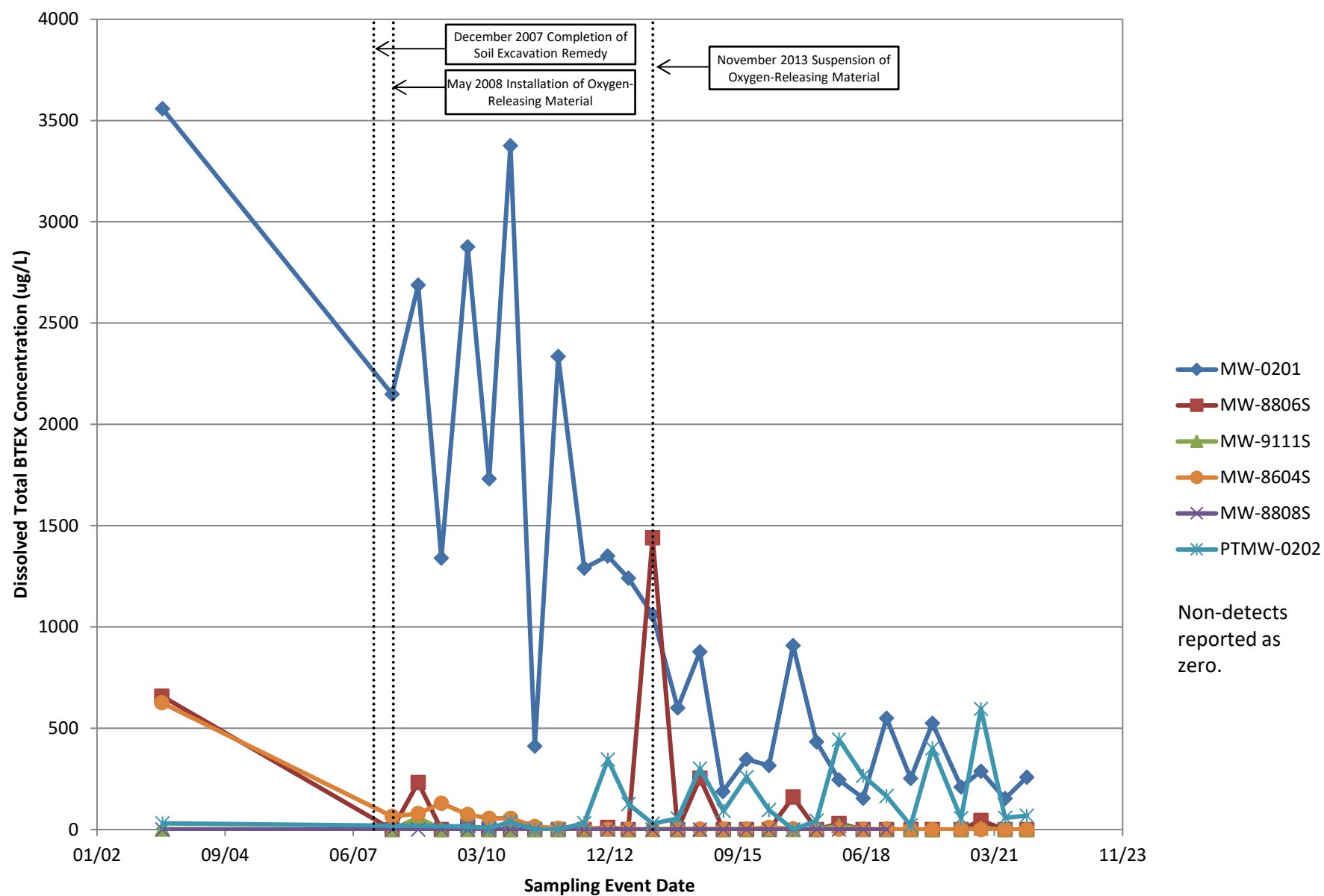
Date Received: 11/13/21 10:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Nitrobenzene-d5	71		46 - 120	11/17/21 14:46	11/30/21 06:18	1
2-Fluorobiphenyl	86		48 - 120	11/17/21 14:46	11/30/21 06:18	1
p-Terphenyl-d14	75		60 - 148	11/17/21 14:46	11/30/21 06:18	1

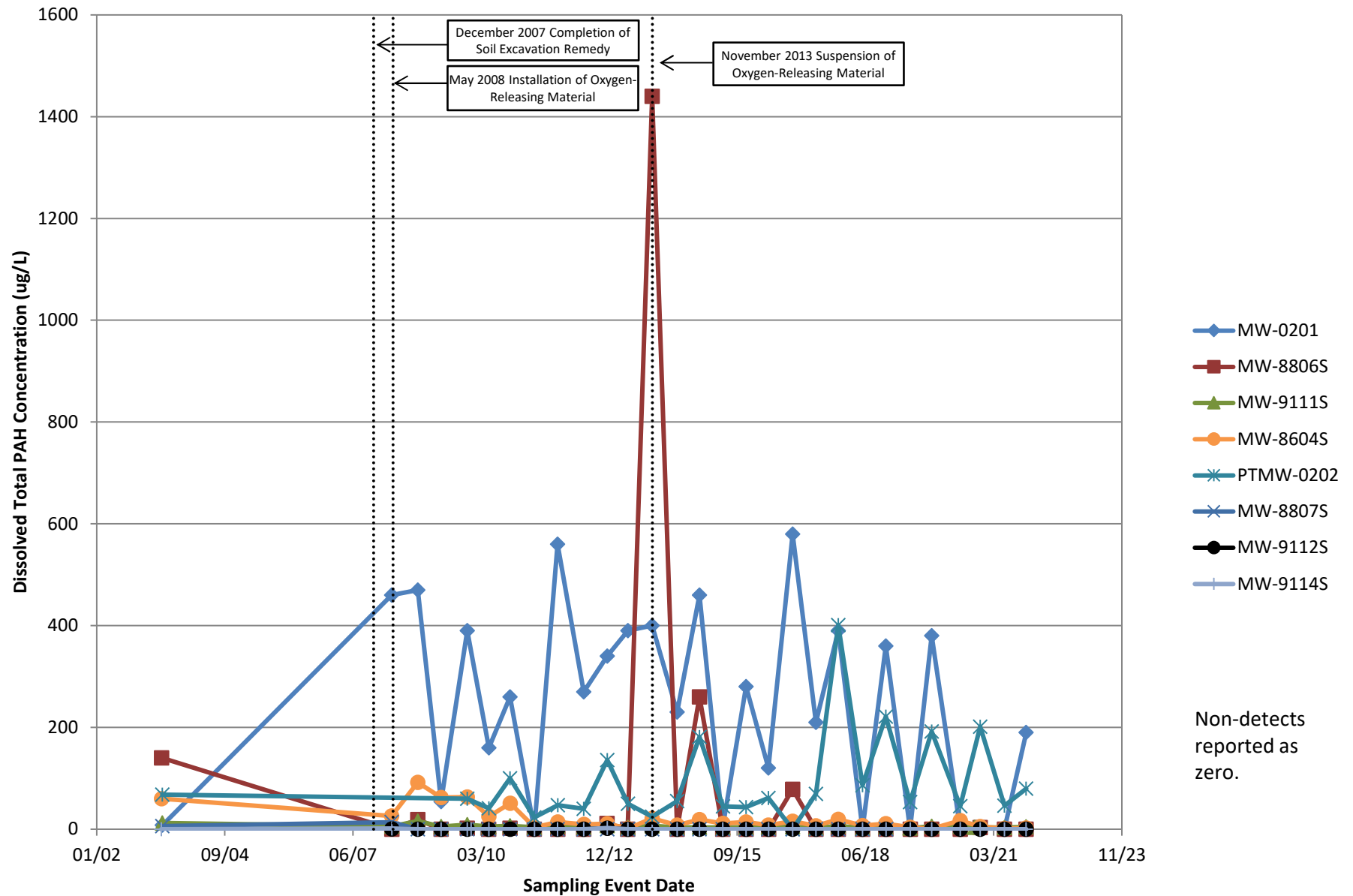
Appendix D

Graphs

Graph 1 - Dissolved Total BTEX Concentrations



Graph 2 - Dissolved Total PAH Concentrations



Appendix E

Well Photographic Logs

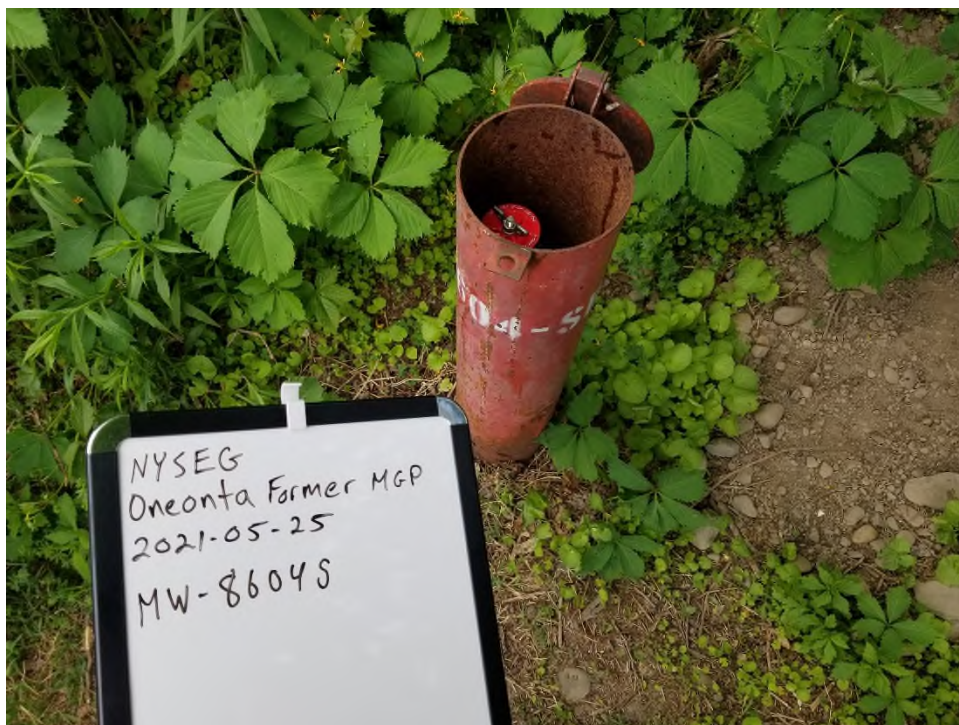
APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG

Oneonta Former MGP Site / 30076033

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:

RDC

Date: 5/25/2021



Photograph: 2

Well ID:

MW-8806S

Description:

Photograph showing MW-8806S. Well is in good condition with locking cap.

Photograph taken by:

RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/25/2021



Photograph: 4

Well ID:
MW-8808S

Description:
Photograph showing
MW-8808S. Well is in
good condition with
locking cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/25/2021



Photograph: 6

Well ID:
MW-9110S

Description:
Photograph showing MW-9110S. Well is in good condition with locking well cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG

Oneonta Former MGP Site / 30076033

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:

RDC

Date: 5/25/2021



Photograph: 8

Well ID:

MW-9112S

Description:

Photograph showing MW-9112S. Well is in good condition with locking cap. Surface completion was replaced 5/25/2021.

Photograph taken by:

RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



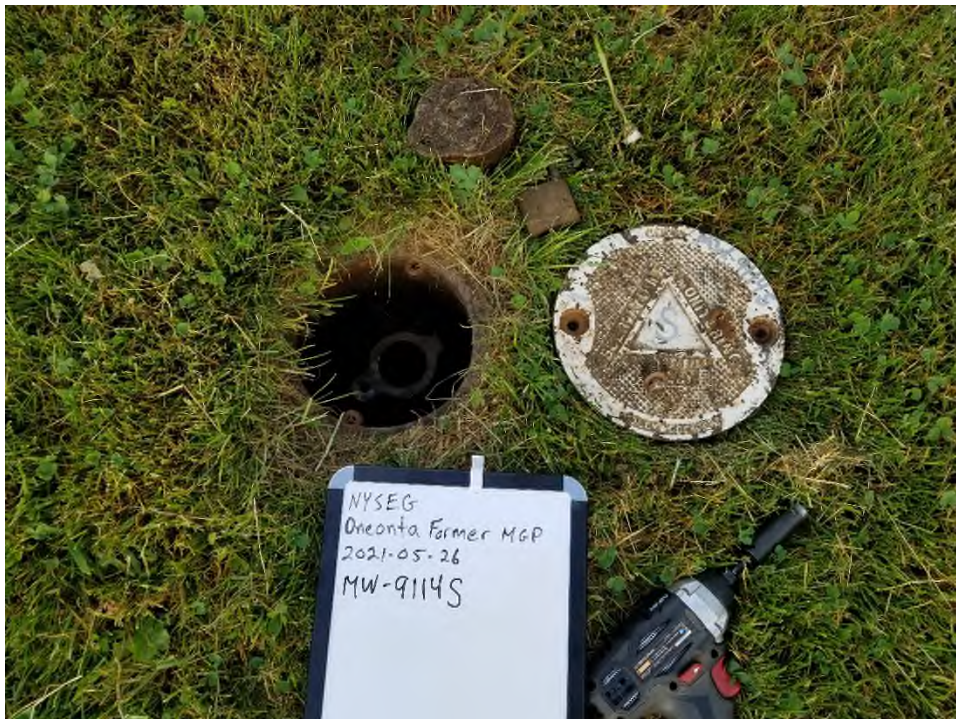
Photograph: 9

Well ID:
MW-9112D

Description:
Photograph showing MW-9112D. Well is in good condition with locking cap.

Photograph taken by:
RDC

Date: 5/25/2021



Photograph: 10

Well ID:
MW-9114S

Description:
Photograph showing MW-9114S. Well is in good condition with locking cap.

Photograph taken by:
RDC

Date: 5/26/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



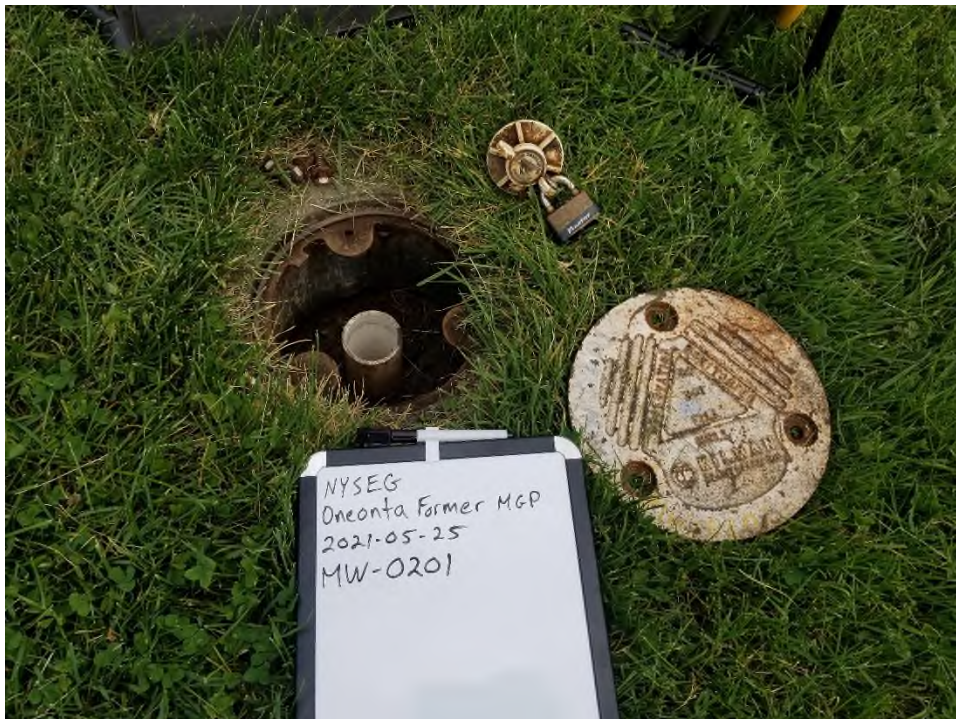
Photograph: 11

Well ID:
MW-9502S

Description:
Photograph showing MW-9502S. Well is in good condition with locking well cap.

Photograph taken by:
RDC

Date: 5/25/2021



Photograph: 12

Well ID:
MW-0201

Description:
Photograph showing MW-0201. Well is in good condition with locking cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



Photograph: 13

Well ID:
MW-0203

Description:
Photograph showing MW-0203. Well is damaged from City construction work. Surface completion and well needs to be repaired and well redeveloped.

Photograph taken by:
RDC

Date: 5/27/2021



Photograph: 14

Well ID:
MW-0301

Description:
Photograph showing MW-0301. Well is in good condition with locking cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG

Oneonta Former MGP Site / 30076033

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:

RDC

Date: 5/25/2021



Photograph: 16

Well ID:

NRW-01

Description:

Photograph showing NRW-01. Well in good condition with locking cap.

Photograph taken by:

RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/25/2021



Photograph: 18

Well ID:
PMW-01

Description:
Photograph showing
PMW-01. Well in good
condition with locking
cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



Photograph: 19

Well ID:
PMW-02

Description:
Photograph showing
PMW-02. Well in good
condition with locking
cap.

Photograph taken by:
RDC

Date: 5/25/2021



Photograph: 20

Well ID:
PMW-03

Description:
Photograph showing
PMW-03. Well in good
condition with locking
cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



Photograph: 21

Well ID:
PMW-04

Description:
Photograph showing
PMW-04. Well in good
condition with locking
cap.

Photograph taken by:
RDC

Date: 5/25/2021



Photograph: 22

Well ID:
PMW-05

Description:
Photograph showing
PMW-05. Well in good
condition with locking
cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



Photograph: 23

Well ID:
PMW-06

Description:
Photograph showing
PMW-06. Well in good
condition with locking
cap.

Photograph taken by:
RDC

Date: 5/25/2021



Photograph: 24

Well ID:
PMW-07

Description:
Photograph showing
PMW-07. Well in good
condition with locking
cap.

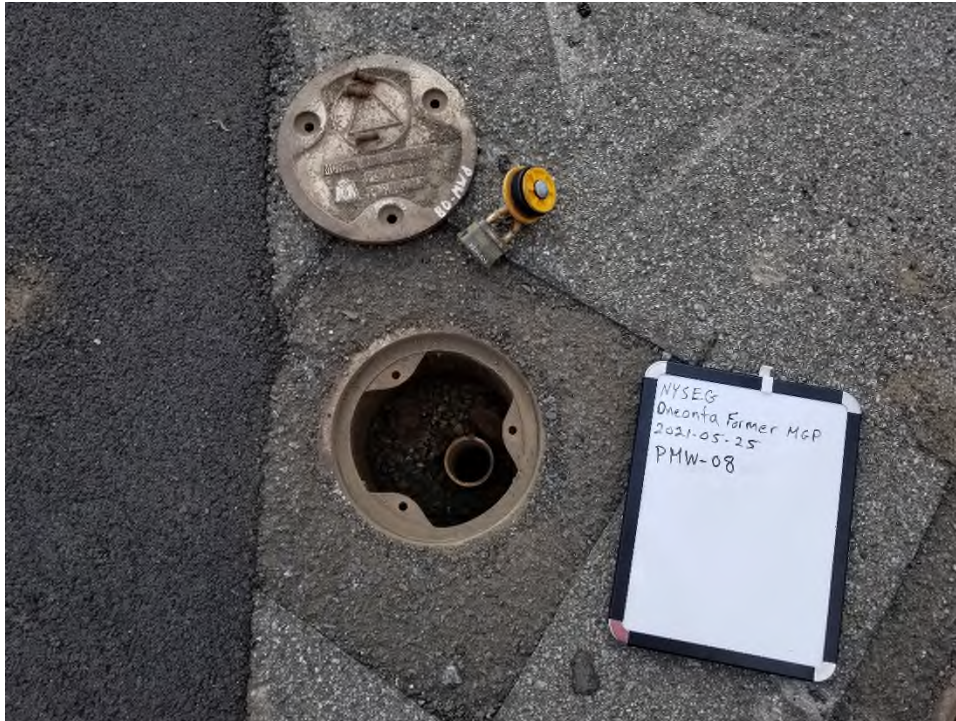
Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



Photograph: 25

Well ID:
PMW-08

Description:
Photograph showing
PMW-08. Well in good
condition with locking
cap.

Photograph taken by:
RDC

Date: 5/25/2021



Photograph: 26

Well ID:
PMW-09

Description:
Photograph showing
PMW-09. Well in good
condition with locking
cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



Photograph: 27

Well ID:
PMW-10

Description:
Photograph showing
PMW-10. Well in good
condition with locking
cap.

Photograph taken by:
RDC

Date: 5/25/2021



Photograph: 28

Well ID:
PMW-11

Description:
Photograph showing
PMW-11. Well in good
condition with locking
cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



Photograph: 29

Well ID:
PMW-12

Description:
Photograph showing PMW-12. Well in good condition with locking cap.

Photograph taken by:
RDC

Date: 5/25/2021



Photograph: 30

Well ID:
PMW-13

Description:
Photograph showing PMW-13. Well in good condition with locking cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG

Oneonta Former MGP Site / 30076033

Oneonta, New York



Photograph: 31

Well ID:

PMW-14

Description:

Photograph showing PMW-14. Well in good condition with locking cap.

Photograph taken by:

RDC

Date: 5/25/2021



Photograph: 32

Well ID:

PZ-105

Description:

Photograph showing PZ-105. Well in good condition with locking cap.

Photograph taken by:

RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



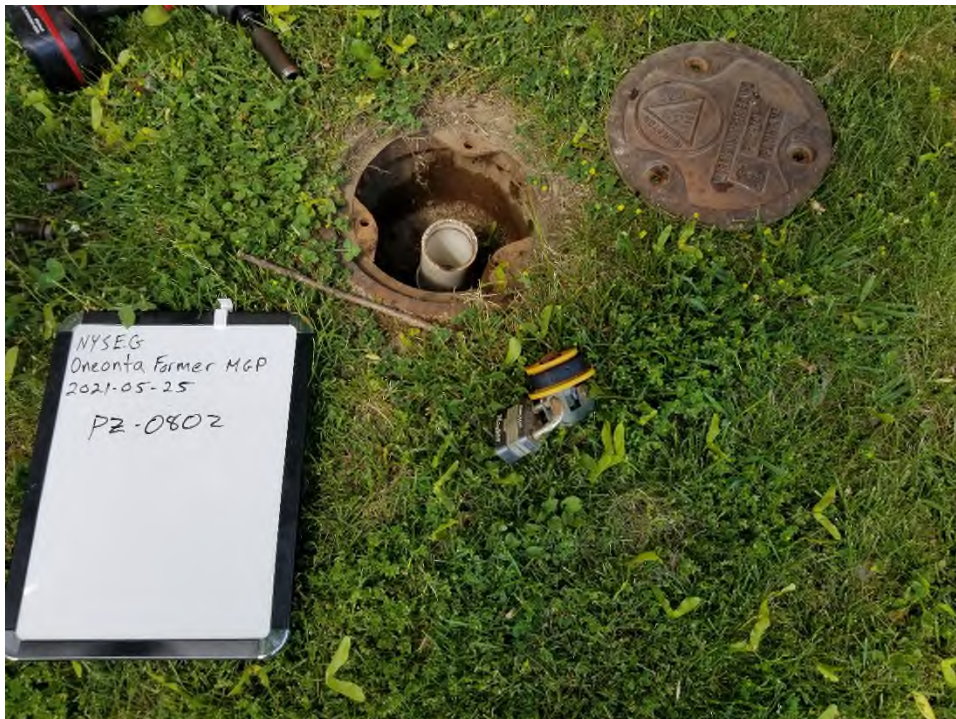
Photograph: 33

Well ID:
PZ-0801

Description:
Photograph showing PZ-0801. Well in good condition with locking cap.

Photograph taken by:
RDC

Date: 5/25/2021



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:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



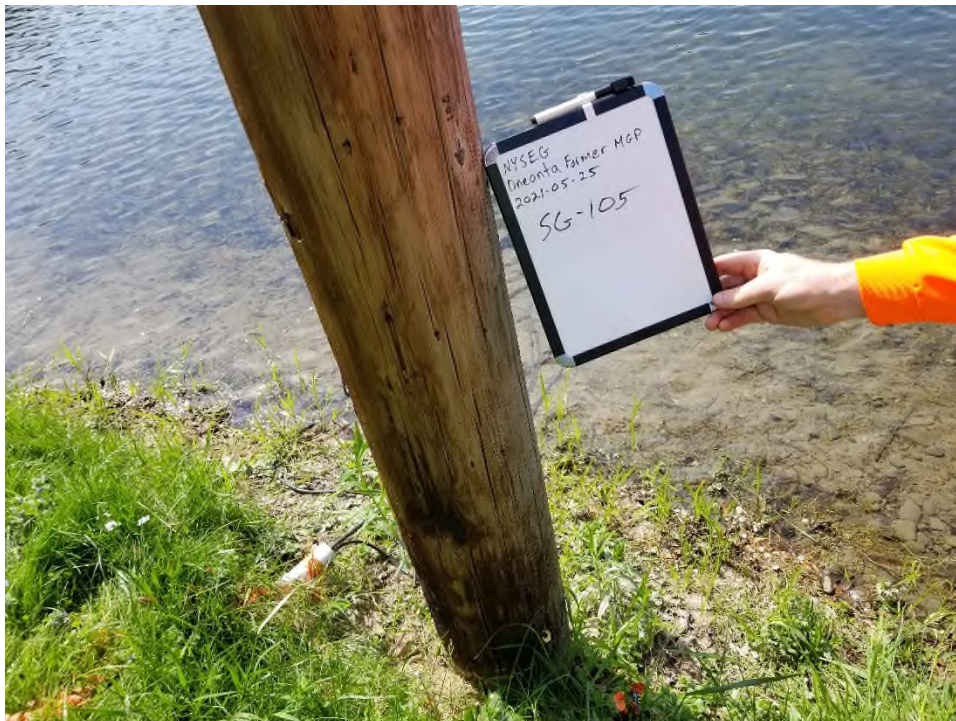
Photograph: 35

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:
RDC

Date: 5/25/2021



Photograph: 36

Staff Gauge ID:
SG-105

Description:
Photograph showing SG-105. Staff gauge is in good condition.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



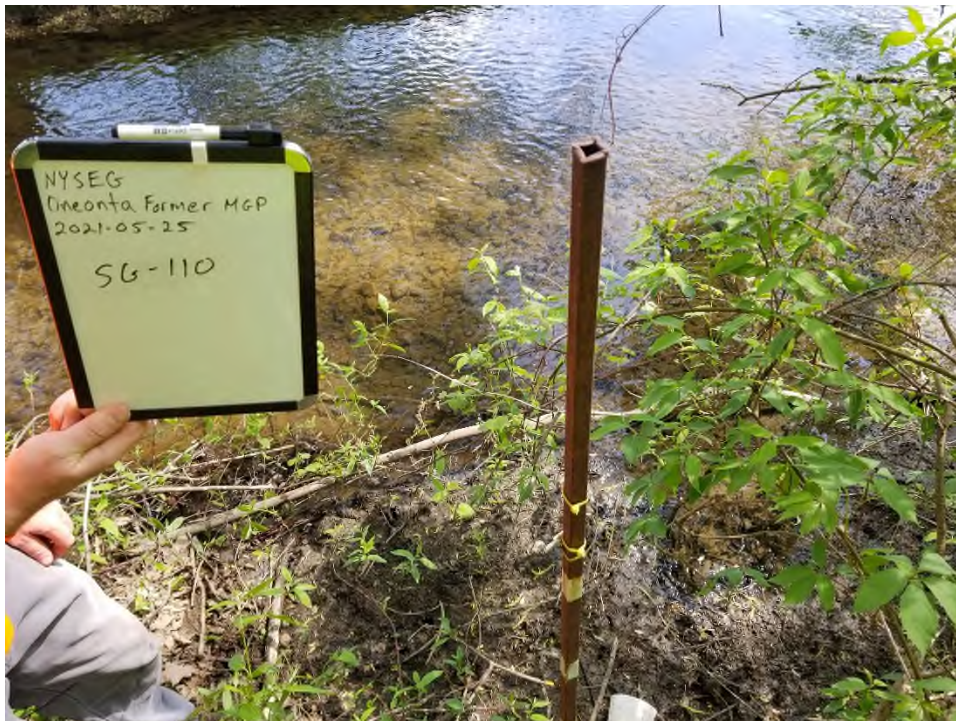
Photograph: 37

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:
RDC

Date: 5/25/2021



Photograph: 38

Staff Gauge ID:
SG-110

Description:
Photograph showing SG-110. Staff gauge is in good condition.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



Photograph: 39

Staff Gauge ID:
SG-111

Description:
Photograph showing
SG-111. Staff gauge is
in good condition.

Photograph taken by:
RDC

Date: 5/25/2021



Photograph: 40

Well ID:
AW-01

Description:
Photograph showing
AW-01. Well is in good
condition with secure
cap.

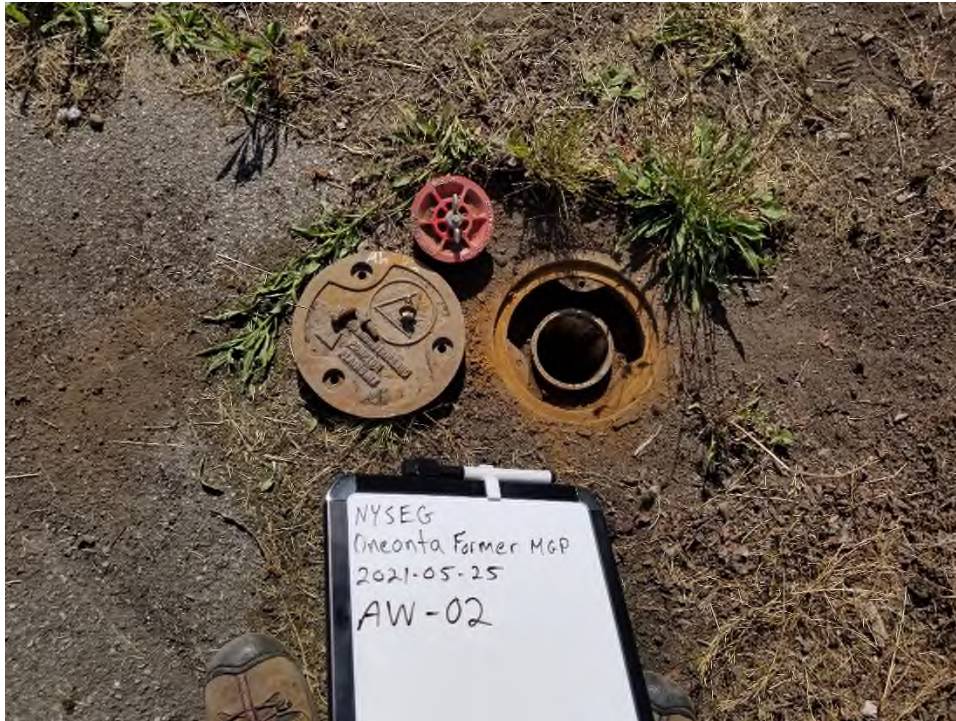
Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/25/2021



Photograph: 42

Well ID:
AW-03

Description:
Photograph showing
AW-03. Well is in good
condition with secure
cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/25/2021



Photograph: 44

Well ID:
AW-05

Description:
Photograph showing
AW-05. Well is in good
condition with secure
cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/25/2021



Photograph: 46

Well ID:
AW-07

Description:
Photograph showing
AW-07. Well is in good
condition with secure
cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/25/2021



Photograph: 48

Well ID:
AW-09

Description:
Photograph showing
AW-09. Well is in good
condition with secure
cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/25/2021



Photograph: 50

Well ID:
AW-11

Description:
Photograph showing
AW-11. Well is in good
condition with secure
cap.

Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/25/2021



Photograph: 52

Well ID:
AW-13

Description:
Photograph showing
AW-13. Well is in good
condition with secure
cap.

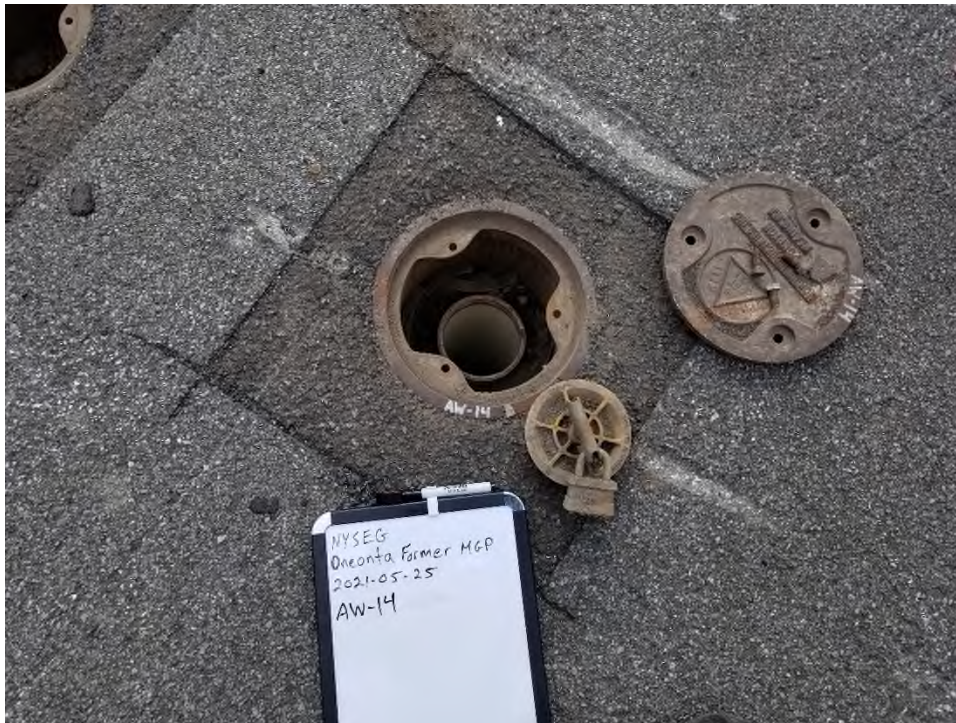
Photograph taken by:
RDC

Date: 5/25/2021

APPENDIX E – WELL INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



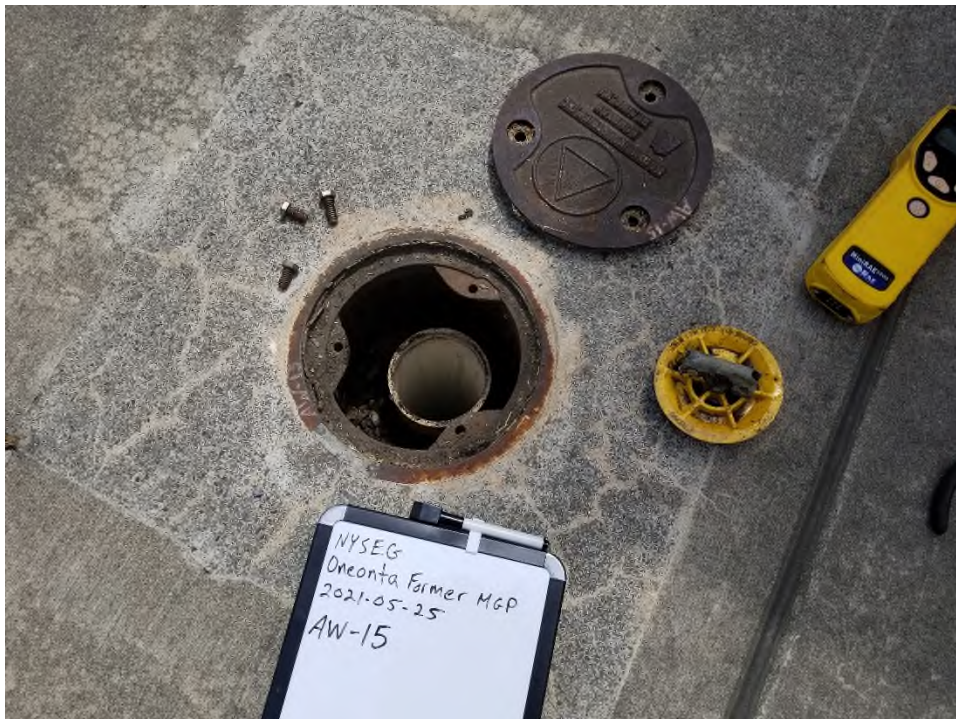
Photograph: 53

Well ID:
AW-14

Description:
Photograph showing
AW-14. Well is in good
condition with secure
cap.

Photograph taken by:
RDC

Date: 5/25/2021



Photograph: 54

Well ID:
AW-15

Description:
Photograph showing
AW-15. Well is in good
condition with secure
cap.

Photograph taken by:
RDC

Date: 5/25/2021

NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/25/2021

Appendix F

Site Inspection Photographic Logs

APPENDIX F – SITE INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/27/2021



Photograph: 2

Description:

Picture showing soil coverage for the EPA. Photo indicates cover in good condition; no repair needed.

Direction: NW

Photograph taken by:
RDC

Date: 5/27/2021

APPENDIX F – SITE INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/27/2021



Photograph: 4

Description:

Picture showing roadway traversing the EPA. Photo indicates cover in good condition; no repair needed.

Direction: S

Photograph taken by:
RDC

Date: 5/27/2021

APPENDIX F – SITE INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/27/2021



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:
RDC

Date: 5/27/2021

APPENDIX F – SITE INSPECTION PHOTOGRAPH LOG



NYSEG

Oneonta Former MGP Site / 30076033

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:
RDC

Date: 5/27/2021



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:
RDC

Date: 5/27/2021

APPENDIX F – SITE INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



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:
RDC

Date: 5/27/2021



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:
RDC

Date: 5/27/2021

APPENDIX F – SITE INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
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:
RDC

Date: 5/27/2021



Photograph: 12

Description:

Picture showing riprap embankment cover for the Mill Race Creek, walking trail and NYSEG storage shed looking southwest. Photo indicates cover is in good condition; no repair needed.

Direction: SW

Photograph taken by:
RDC

Date: 5/27/2021

APPENDIX F – SITE INSPECTION PHOTOGRAPH LOG



NYSEG

Oneonta Former MGP Site / 30076033

Oneonta, New York



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:
RDC

Date: 5/27/2021



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:
RDC

Date: 5/27/2021

APPENDIX F – SITE INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



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:
RDC

Date: 5/27/2021



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:
RDC

Date: 5/27/2021

APPENDIX F – SITE INSPECTION PHOTOGRAPH LOG



NYSEG
Oneonta Former MGP Site / 30076033
Oneonta, New York



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:
RDC

Date: 5/27/2021



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:
RDC

Date: 5/27/2021

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

11/2/2021

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, 2022**. 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

Scott Deyette, Project Manager

Christopher O'Neill, Hazardous Waste Remediation Supervisor, Region 4

Arcadis of New York, Inc. - 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, 2020 to December 19, 2021

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

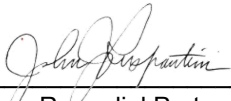
6. Is the current site use consistent with the use(s) listed below?
Restricted-Residential, Commercial, and Industrial ☒ ☐

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


Signature of Owner, Remedial Party or Designated Representative

1-12-22

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

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 complete.

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

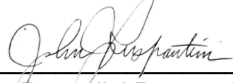
☒

☐

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


Signature of Owner, Remedial Party or Designated Representative

1-12-22

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		1-12-22
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification		Date

EC CERTIFICATIONS

Qualified Environmental Professional (QEP)

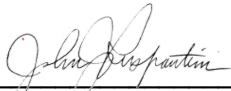
Box 7

~~Professional Engineer Signature~~

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I John Ruspantini at 18 Link Dr, Binghamton, NY 13904,
print name print business address

am certifying as a ~~Professional Engineer~~ for the NYSEG/Remedial Party
QEP (Owner or Remedial Party)

For NYSEG		CHMM 10302	1-12-22
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.

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