NEU-VELLE LLC

November 26, 2024

Mr. Michael Squire
Assistant Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway
Albany, New York 12233

Re: Site Management Periodic Review Report
And IC/EC Certification Submittal (2024)
RG&E Park Street Former MGP Site (NO. V00731)
4 and 6 Park Street
Village of Geneseo, Livingston County, New York

Dear Mr. Squire:

On behalf of our client, Rochester Gas and Electric Corporation (RG&E), NEU-VELLE, LLC. (NEU-VELLE) is pleased to submit the enclosed Periodic Review Report (PRR) and completed certification form which documents the implementation and compliance with the Site Management Plan (SMP) for the Park Street Former Manufactured Gas Plant (MGP) Site (NYSDEC Site No. V00731), located at 4 and 6 Park Street in the Village of Geneseo, Livingston County, New York.

This package has been prepared in response to the letter from the Department to RG&E dated September 17, 2024. This submission completes the requirements for the PRR and the certification for the Park Street site by the Department.

Please feel free to contact me at any time at (585) 478-3167 with any questions you may have regarding this letter report, or contact Mr. Jeremy Wolf, RG&E's Project Manager for the project at (585) 500-8392.

Sincerely,

Logan Reid
Senior Project Manager
NEU-VELLE, LLC

cc: Jeremy Wolf – RG&E
Chuck Reyes – SUNY Geneseo

Site Management Periodic Review Report and IC/EC Certification (2024)

Geneseo Park Street Former MGP Site (NO. V00731)
Village of Geneseo, New York

Submitted to:
New York State Department of Environmental Conservation
Division of Environmental Remediation (BURC)
625 Broadway
Albany, New York

Submitted by:
NEU-VELLE, LLC
10 Jones Avenue
Rochester, New York 14608

On behalf of:
Rochester Gas & Electric
3 CityCenter Bldg., 5th Floor
180 South Clinton Ave.
Rochester, NY 14604

November 22, 2024

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1. Executive Summary

NEU-VELLE, LLC (NEU-VELLE) conducted the Site Management Periodic Review Report (PRR) and IC/EC Certification submittal for the Geneseo - Park Street Former Manufactured Gas Plant (MGP) Site located in the Village of Geneseo, New York (hereinafter referred to as the "Site") (Figure 1). The Site was formerly in the New York State (NYS) Voluntary Cleanup Program (VCP), Site No. V00731, which is administered by New York State Department of Environmental Conservation (NYSDEC). Rochester Gas and Electric Corporation (RG&E) entered into an Amended and Restated Voluntary Cleanup Agreement (VCA) on December 23, 2014 (DEC Index No. B8-0535-98-07) with the NYSDEC to include this Site. The agreement obligated RG&E to implement a remedial program for hazardous substances that are components of wastes associated with MGP-related operations at the Site. The VCP was terminated by the NYSDEC as part of a statewide mandate in 2018. The Site is currently governed by the requirements of the NYSDEC approved Site Management Plan (SMP) dated June 2018.

After completion of a source material removal interim remedial measure (IRM) performed by the State University of New York (SUNY) and under NYSDEC guidance in 2003, some MGP-related residuals were left at the Site, which is hereafter referred to as "remaining MGP contamination". Imposition of an Institutional Control (IC) in the form of Deed Restriction has been incorporated into the Site remedy to control exposure to remaining MGP contamination to ensure protection of public health and the environment.

The Site was remediated to address the presence of aromatic volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylene (BTEX) and polyaromatic hydrocarbons (PAHs) in the aqueous phase and a dense non-aqueous phase liquid (DNAPL). A Site Characterization was conducted by RG&E in 2015 to 2016 and subsequent report concluded that a Remedial Investigation was not needed because the nature and extent of MGP-related impacts in soil and groundwater had been sufficiently defined for the purposes of conducting a remedial alternatives analysis, and that petroleum (*i.e.*, not MGP-related) may be the primary source of VOCs detected in soil and groundwater within the study area. The *Alternatives Analysis Letter Report* (AA Letter Report) was submitted to the NYSDEC on July 7, 2017 and the *Decision Document* containing the selected Site remedy was subsequently issued by the NYSDEC in August 2017. The elements of the selected remedy include:

- implementation of the remedial design program;
- maintaining the existing site covers;
- installation of an additional monitoring well;
- imposition of an institutional control in the form of a Deed Restriction, and;
- preparation of a post-remediation SMP.

Following the implementation of the selected remedy, the SMP was implemented (See Section 2).

NEU-VELLE found that each component of the SMP was complied with during this reporting period:

- ICs/ECs have been in place and effective, and
- Inspections were performed as required.

Based upon the inspections and compliance with the SMP, the Site remedy continues to meet the remedial objectives set forth. RG&E will continue to conduct inspections and perform groundwater monitoring and NAPL removal from the specified monitoring well (MW-5) on an annual frequency, in accordance with the revised groundwater monitoring plan (refer to Section 2.2.3 for details).

2. Site Overview

2.1 Site Description

As shown on Figure 1, the Site is at the 4 and 6 Park Street properties in the Village of Geneseo, Livingston County, New York. The Site plan showing pre-remediation features is shown on Figure 2. The Site is an approximately ¾ -acre area and is surrounded by commercial buildings and School Street to the north, Park Street to the south, commercial buildings along the west side of Main Street to the east, and a SUNY academic complex (the Brodie Fine Arts building) to the west (Figure 2, Site Map).

The Site consists of a parking lot (L-Lot), access road, and sidewalk for SUNY campus that straddles the boundary between the village commercial district and the SUNY campus. The former gas holder for the MGP is farther west under the Brodie Fine Arts building. Most of the area occupied by the former MGP is either paved or located under paved surfaces. A small landscaped area is located at the southern end of the Site.

2.2 Site Remedial Program Summary

Remediation of MGP-related source materials was completed as an IRM by a contractor of SUNY under the oversight of NYSDEC during SUNY's Park Street entrance improvement program when the Site was developed as a parking lot. In September 2002 during final preparation for paving of the parking lot, a stone/brick containment structure was discovered approximately 4 feet below ground surface (bgs) that contained a black tarry material. The structure appears to have been located between the north side of the former MGP works building and the south side of the former coal house; however, the structure did not appear on any historical mapping. From September 2002 to January 2003 the NYSDEC oversaw the excavation and off-Site disposal by SUNY's contractor of the structure, liquid material inside and outside the structure, and the surrounding soil containing visible impacts.

During the IRM excavation, sidewall samples were collected for laboratory analysis. When laboratory results indicated an exceedance of the cleanup objective of 500 milligrams per kilogram (mg/kg) total PAHs and/or 10 mg/kg total BTEX, or when visible coal tar was encountered, excavation continued. Excavation sidewall and bottom sampling results were presented in the *Report of Activities at LL-Lot* (SUNY 2003). The report indicated that only one sidewall sample (located on the north excavation sidewall) did not meet the 500 mg/kg objective for PAHs (549.7 mg/kg PAHs were reported at that location).

The final excavation depth was approximately 20 feet bgs, terminating at the top of the fractured bedrock. An area near the center of the excavation was excavated an additional 5 feet into the fractured bedrock to approximately 25 feet bgs. Approximately 800 tons of tar-impacted soil and 3,200 gallons of impacted water that accumulated in the excavation were sent off site for disposal. The approximate location of the coal tar structure and the areal limits of the excavation are also shown on Figure 2. Structural fill was placed into the excavation and compacted.

2.2.1 Site Characterization and Alternative Analysis

RG&E conducted site characterization field activities between May 2015 and February 2016. The objectives of the site characterization were to:

- Gather information to evaluate whether MGP-related residuals remained in the subsurface.

- Determine whether MGP-related residual materials, if present, had a potential to pose a threat to public health or the environment.
- Determine whether a remedial investigation at the Site was appropriate.

The results from the Site Characterization were presented in the Site Characterization Report (Arcadis 2016) (SC Report). The SC Report concluded that a remedial investigation was unnecessary because the nature and extent of MGP-related impacts (PAHs and VOCs) in soil and groundwater had been sufficiently defined for the purposes of conducting a remedial alternatives analysis, and that petroleum (*i.e.*, not MGP-related) may be the primary source of VOCs detected in both soil and groundwater within the study area. Similarly, while VOCs were detected in soil vapor samples collected from across the Site, no MGP indicator compounds were present in any of the soil vapor samples. Gasoline indicators were, however, present in all but one of the samples. Based on the types of VOCs detected, no evidence of MGP impacts existed in the soil vapor.

A seam of MGP-related non-aqueous phase liquid (NAPL) was detected within the weathered bedrock during the installation of MW-5, located immediately west of the former excavation.

RG&E prepared and submitted a July 7, 2017, *Alternatives Analysis Letter Report* (AA Letter Report) to the NYSDEC that compared several remedial alternatives for the site. The NYSDEC subsequently issued a *Decision Document* dated August 2017 that provided the elements of the NYSDEC-selected site remedy. The elements of the selected remedy include:

- implementation of the remedial design program;
- maintaining the existing site covers;
- installation of an additional monitoring well;
- imposition of an institutional control in the form of a Deed Restriction, and;
- preparation of a post-remediation SMP.

A plan providing the parameters, procedures, and applicable information and detail for installation of the additional monitoring well was provided to the NYSDEC on September 12, 2017. The additional monitoring well (MW-8) was installed hydraulically downgradient from MW-5 from October 8 to 10, 2017. No visual evidence of NAPL or sheens, or odors were detected during the installation of MW-8.

2.2.2 Remaining MGP Contamination

During the excavation IRM conducted in 2002 to 2003, endpoint sidewall samples were collected for laboratory analysis and the results compared to the (then current) NYSDEC *Technical and Administrative Guidance Memorandum (TAGM) 4046; Determination of Soil Cleanup Objectives and Cleanup Levels* (TAGM 4046). Excavation endpoint sample results indicated that three of the four overburden sidewall samples met the TAGM 4046 levels for total BTEX (less than 10 mg/kg) and total PAHs (less than 500 mg/kg) (the north wall sample result indicated 549 mg/kg total PAHs). Additionally, each of the fractured bedrock (*i.e.*, excavation bottom) samples met TAGM 4046 levels. There may be some residual MGP contaminants also present in the weathered bedrock which ranges another 0.3 ft. to 6 ft. bgs and the upper 10 feet of bedrock which was observed to be highly fractured; particularly downgradient of the former brick structure containing the coal tar-like materials excavated during the IRM.

During the site characterization conducted from 2015 to 2016, 22 soil samples were collected from 11 soil borings for laboratory analysis. Two additional soil samples were collected for laboratory analyses during installation of MW-8 in October 2017. The results for each of the analyses were compared to the 6 NYSRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Commercial Use SCOs. BTEX were the only VOCs that exceeded Unrestricted Use SCOs. Methylcyclohexane, xylenes (total), and cyclohexane were the most prevalent VOCs detected in subsurface soil. Methylcyclohexane, cyclohexane, and xylenes are commonly present in weathered gasoline. Methyl tertiary butyl ether (MtBE), an octane enhancing gasoline additive used since 1979 to help prevent engine knocking, was detected in soil samples collected from two locations (MW-3 and MW-6). SVOCs were detected in 12 of the 22 soil samples with total SVOC concentrations ranging from below detection limits (12 samples) to 741,900 µg/kg in the soil sample collected from MW-1 (MW-1 is believed to be located within the backfill of the reported former excavation area).

BTEX and three PAHs have been identified in the Decision Document as the contaminants of potential concern (COPCs) for soil; specifically:

- Benzene
- Toluene
- Ethylbenzene
- Xylenes (total)
- Benzo(a)anthracene
- Benzo(a)pyrene
- Indeno(1,2,3-cd)pyrene

The Decision Document also identified BTEX and the same three PAHs identified as soil COPCs (benzo(a)anthracene, benzo(a)pyrene, and indeno[1,2,3-cd]pyrene) as COPCs for groundwater. Based on the groundwater sampling completed during the site characterization, depth to groundwater across most of the site is 10 ft. to 15 ft. bgs. None of the PAH analytes associated with MGP operations were detected at concentrations above their respective groundwater guidance values; BTEX analytes, where existing, were only detected at concentrations slightly above groundwater standards. Similar to VOC data for soil, data suggests that petroleum is the primary source of VOCs detected in groundwater within the study area.

Soil vapor samples were collected using SUMMA canisters in September 2015 from seven locations (SV-1 through SV-7) around the vicinity of the former MGP structures. Specifically, soil vapor samples were collected along the exterior of the eastern facade of the Brodie Fine Arts building, along the west side of the Brodie Fine Arts building within the courtyard, and north of the excavation area. Soil vapor samples were submitted for analysis by USEPA Compendium Method TO-15. In general, BTEX compounds were detected in much lower concentrations than were non-MGP-related chlorinated VOCs. Acetone and chloroform were the VOCs detected in the highest frequencies and in the highest relative concentrations. None of the "MGP-indicator" analytes included with the TO-15 analyses (indene, isooctane, or thiopenes) were detected in any of the soil gas samples. Gasoline indicators were present in 6 of the 7 soil vapor samples collected from across the site. Based on the types of analytes detected, no evidence of MGP impacts exist in the soil vapor.

2.2.3 Site Management Plan

The SMP, approved by NYSDEC letter dated July 3, 2018, provides the following:

- Institutional Controls:
    - Imposition of a Declaration of Covenants and Restrictions (Deed Restriction) that will:

  - Restrict use of the property to Restricted Residential, Commercial and Industrial Uses, and voluntarily restricts the use of the property to non-residential use
  - Restrict the use of groundwater as a source of potable or process water without appropriate treatment as determined by the New York State Department of Health (NYSDOH) or Livingston County DOH
  - Require inspection of Engineering Controls at the frequency and as described in the SMP
  - Require periodic certification of institutional and engineering controls
  - Require compliance with the SMP
- Engineering Controls:
  - Maintain the existing site covers
- Site Inspections:
  - Annually, and after severe weather conditions
- Monitoring and Sampling:
  - MW-5: Monitored quarterly and NAPL removal, as required, for initial period until less frequent monitoring is approved by the NYSDEC
  - MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8: monitored and sampled semi-annually for initial 5-year period
- Maintenance:
  - As required based on Site inspections
- Reporting:
  - Periodic Review Report – submitted annually to NYSDEC

In accordance with RG&E's recommendation in the 10th Post-Remediation Sampling Event Autumn 2022 and subsequent email correspondence with the NYSDEC in May 2023, the frequency of sampling was reduced from semi-annually to annually and the number of wells sampled was reduced from seven to four (MW-4, MW-6, MW-7, and MW-8) for a three-year period starting in autumn of 2023.

In a letter from the NYSDEC dated September 13, 2023, the quarterly NAPL gauging at MW-5 was reduced to an annual basis to be performed in conjunction with the annual groundwater sampling event.

The SMP will be modified to reflect these changes to the post-remediation groundwater monitoring program and submitted to the NYSDEC for approval.

3. Remedy Performance Evaluation

The remedial performance is evaluated based on the periodic visual inspection of the Site stone, gravel, vegetative, concrete and/or asphalt covers and condition of monitoring wells.

The annual inspection of the Site surface covers was performed by NEU-VELLE, on November 20, 2024, to monitor its effectiveness at maintaining physical separation of the remaining subsurface contamination at the Site. The evaluation included a visual inspection of the vegetative, concrete, and/or asphalt cover for evidence of disturbance, erosion or removal of cover materials, settlement, or other pathways that could potentially result in exposure to subsurface MGP residuals. Visual observations and photographs were collected during the November 20, 2024, inspection. The existing cover materials and monitoring wells at the Site were observed to be in good condition. There were no noticeable signs of significant deterioration of the surface cover.

The SMP Site Inspection Form and photographs are included as Appendix A – 2024 Site Inspection Form and Photographic Log.

The SMP also requires a Monitoring and Sampling Plan for evaluating the effectives of the remedy at reducing dissolved MGP-related COPCs at, and downgradient, from the Site. As discussed above in Section 2.2.3, groundwater sampling for chemical and physical analysis is being performed annually to determine if the remedial action objectives are being achieved. One (1) groundwater sampling event (the 11th Post-Remediation Sampling Event, Autumn 2023) was performed during the reporting period (November 1, 2023 to November 1, 2024) and the report for the groundwater sampling event has been submitted to the NYSDEC under separate cover. An additional groundwater sampling event (the 12th Post-Remediation Sampling Event, October 2024) did occur during the reporting period but the results are pending and will be presented in a forthcoming report under separate cover. Only results from the 11th Post-Remediation Sampling Event will be herein discussed. The laboratory report with results of analyses from the sampling event is provided as Exhibit A. A summary of the monitoring data follows, and a summary table of the analytical results compared to standards is provided as Table 1.

11th Post-Remediation Sampling Event – Autumn 2023

BTEX compounds were reported at concentrations above their corresponding TOGS 1.1.1 Class GA SCGs in two (2) (MW-6 and MW-8) of the four (4) wells that were sampled. Benzene and xylene (total) were additionally reported in MW-7 at concentrations below the corresponding TOGS 1.1.1 Class GA SCGs.

Although the full suite of PAHs was analyzed for this sampling event, none of the PAH COPCs were detected above laboratory reporting limits. PAH compounds were reported at concentrations above their corresponding TOGS 1.1.1 Class GA SCGs in three (3) of the four (4) wells that were sampled (MW-4, MW-6, and MW-7). In the sample collected from MW-4, two (2) PAHs (benzo(a)anthracene and naphthalene) were estimated by the laboratory at concentrations below reporting limits, as follows:

- benzo(a)anthracene was estimated (J qualifier) at a concentration of 0.03 µg/L, which is above the TOGS 1.1.1 Class GA SCG for benzo(a)anthracene (0.002 µg/L); and
- naphthalene was estimated (J qualifier) at a concentration of 0.10 µg/L, and subsequently modified by the data validator to 0.13 µg/L (UJ qualifier), which is below the corresponding TOGS 1.1.1 Class GA SCG (10 µg/L).

In the sample collected from MW-6, five (5) PAHs (acenaphthene, acenaphthylene, fluorene, naphthalene, and phenanthrene) were reported by the laboratory at concentrations above reporting limits, and two (2) PAHs (anthracene and 2-methylnaphthalene) were estimated by the laboratory at concentrations below reporting limits, as follows:

- acenaphthene was reported at a concentration of 3.2 µg/L, which is below the TOGS 1.1.1 Class GA SCG for acenaphthene (20 µg/L);
- acenaphthylene was reported at a concentration of 26 µg/L, although there is no corresponding TOGS 1.1.1 Class GA SCG for acenaphthylene;
- anthracene was estimated (J qualifier) at a concentration of 0.49 µg/L, which is below the TOGS 1.1.1 Class GA SCG for anthracene (50 µg/L);
- fluorene was reported at a concentration of 6.4 µg/L which is below the TOGS 1.1.1 Class GA SCG for fluorene (50 µg/L);
- naphthalene was reported at a concentration of 200 µg/L, which is above the TOGS 1.1.1 Class GA SCG for this compound (10 µg/L).
- phenanthrene was reported at a concentration of 2.7 µg/L which is below the TOGS 1.1.1 Class GA SCG for phenanthrene (50 µg/L); and
- 2-methylnaphthalene was estimated (J qualifier) at a concentration of 0.17 µg/L, although there is no corresponding TOGS 1.1.1 Class GA SCG for 2-methylnaphthalene.

In the sample collected from MW-7, two PAHs (naphthalene and 2-methylnaphthalene) were reported by the laboratory, and subsequently modified by the data validator to estimated values (J qualifiers), at concentrations (0. 12 µg/L and0.17 µg/L, respectively) above reporting limits, but below the TOGS 1.1.1 Class GA SCG for naphthalene (10 µg/L) and there is no corresponding TOGS 1.1.1 Class GA SCG for 2-methylnaphthalene. Twelve (12) PAHs were estimated (J qualifier) by the laboratory at concentrations below reporting limits, and five (5) of these were modified by the data validator as non-detect below the reporting limit, as follows:

- acenaphthene was estimated at a concentration of 0.02 µg/L, and subsequently modified by the data validator to non-detect below 0.10 µg/L, which is below the corresponding TOGS 1.1.1 Class GA SCG (20 µg/L);

- acenaphthylene was estimated at a concentration of 0.02 μg/L, although there is no corresponding TOGS 1.1.1 Class GA SCG;
- anthracene was estimated at a concentration of 0.03 μg/L, and subsequently modified by the data validator to non-detect below 0.10 μg/L, which is below the corresponding TOGS 1.1.1 Class GA (50 μg/L);
- benzo(b)fluoranthene was estimated at a concentration of 0.02 μg/L, which is above the corresponding TOGS 1.1.1 Class GA SCG (0.002 μg/L).
- benzo(g,h,i)perylene was estimated at a concentration of 0.03 μg/L, although there is no corresponding TOGS 1.1.1 Class GA SCG.
- benzo(k)fluoranthene was estimated at a concentration of 0.02 μg/L, which is above the corresponding TOGS 1.1.1 Class GA SCG (0.002 μg/L).
- dibenzo(a,h)anthracene was estimated at a concentration of 0.02 μg/L, , although there is no corresponding TOGS 1.1.1 Class GA SCG.
- chrysene was estimated at a concentration of 0.01 μg/L, which is above the corresponding TOGS 1.1.1 Class GA SCG (0.002 μg/L).
- fluorene was estimated at a concentration of 0.05 μg/L and subsequently modified by the data validator to non-detect below 0.10 μg/L, which is below the corresponding TOGS 1.1.1 Class GA SCG (50 μg/L);
- indeno(1,2,3-cd)pyrene was estimated at a concentration of 0.03 μg/L, which is above the corresponding TOGS 1.1.1 Class GA SCG (0.002 μg/L).
- phenanthrene was estimated at a concentration of 0.06 μg/L and subsequently modified by the data validator to non-detect below 0.10 μg/L, which is below the TOGS 1.1.1 Class GA SCG for phenanthrene (50 μg/L); and
- 2-chloronaphthalene was estimated at a concentration of 0.03 μg/L and subsequently modified by the data validator to non-detect below 0.20 μg/L, which is below the TOGS 1.1.1 Class GA SCG for phenanthrene (10 μg/L).

In the sample collected from MW-8, a single PAH (naphthalene) was estimated at concentration (0.05 μg/L) below the corresponding TOGS 1.1.1 Class GA SCG (10 μg/L).

Consistent with previous sampling events, DNAPL was encountered in MW-5.

A time series plot of the COPC concentrations depicting trends over time is provided as Appendix B.

In addition to the annual groundwater sampling event, NAPL gauging in MW-5 was performed on December 1, 2023, to determine if NAPL is accumulating in the well during the reporting period. Dense non-aqueous phase liquid (DNAPL) was found to be present in the well. The DNAPL thickness was measured and then DNAPL was removed and collected using a stainless-steel bailer. A letter report was provided to NYSDEC under separate cover (i.e., the *22nd Post Remediation NAPL Gauging and Collection Event, December 2023* letter report, prepared by NEU-VELLE and dated December 22, 2023) and a summary table with the gauging observations and field measurements is provided in Table 2.

As described above, the frequency of sampling was reduced from semi-annually to annually and the number of wells sampled was reduced from seven to four (MW-4, MW-6, MW-7, and MW-8) for a three-year period starting in autumn of 2023. The quarterly NAPL gauging at MW-5 was reduced to an annual basis to be performed in conjunction with the annual groundwater sampling event. The frequency of groundwater monitoring and recovery of NAPL will only be modified with approval of the NYSDEC.

4. IC/EC Plan Compliance

4.1 IC/EC Requirements

ICs include the following:

- The property may be used for non-residential, *i.e.*, Commercial Uses as described in Part 375-1.8(g)(2)(iii) and Industrial Uses as described in Part 375-1.8(g)(2)(iv);
- The current cover materials at the Site (*i.e.*, parking area, access road, sidewalks, maintained vegetated areas, *etc.*) will be periodically inspected and maintained.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or Livingston County DOH to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining MGP contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of the physical components of the remedy shall be performed as defined in the SMP;
- Access to the Site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Deed Restriction.
- The potential for vapor intrusion by residual MGP contamination must be evaluated for any buildings developed on the Site within the IC boundaries noted on Figure 2, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the Site are prohibited.

The Site ECs are the surface covers as described in Section 3 above and in the SMP. The surface covers will be maintained to eliminate potential exposure to remaining MGP contamination at the Site.

4.2 IC/EC Compliance

The NYSDEC-approved SMP is in place. All required inspections were performed in accordance with the SMP. All Site restrictions have been complied with during this reporting period.

4.3 IC/EC Certification

The IC/EC Certification is included in Appendix C.

5. Inspection Plan Compliance

5.1 Inspection Requirements

The inspection requirements as specified in the SMP are presented in Section 3.

5.2 Inspection Compliance

The inspections were conducted in accordance with the SMP.

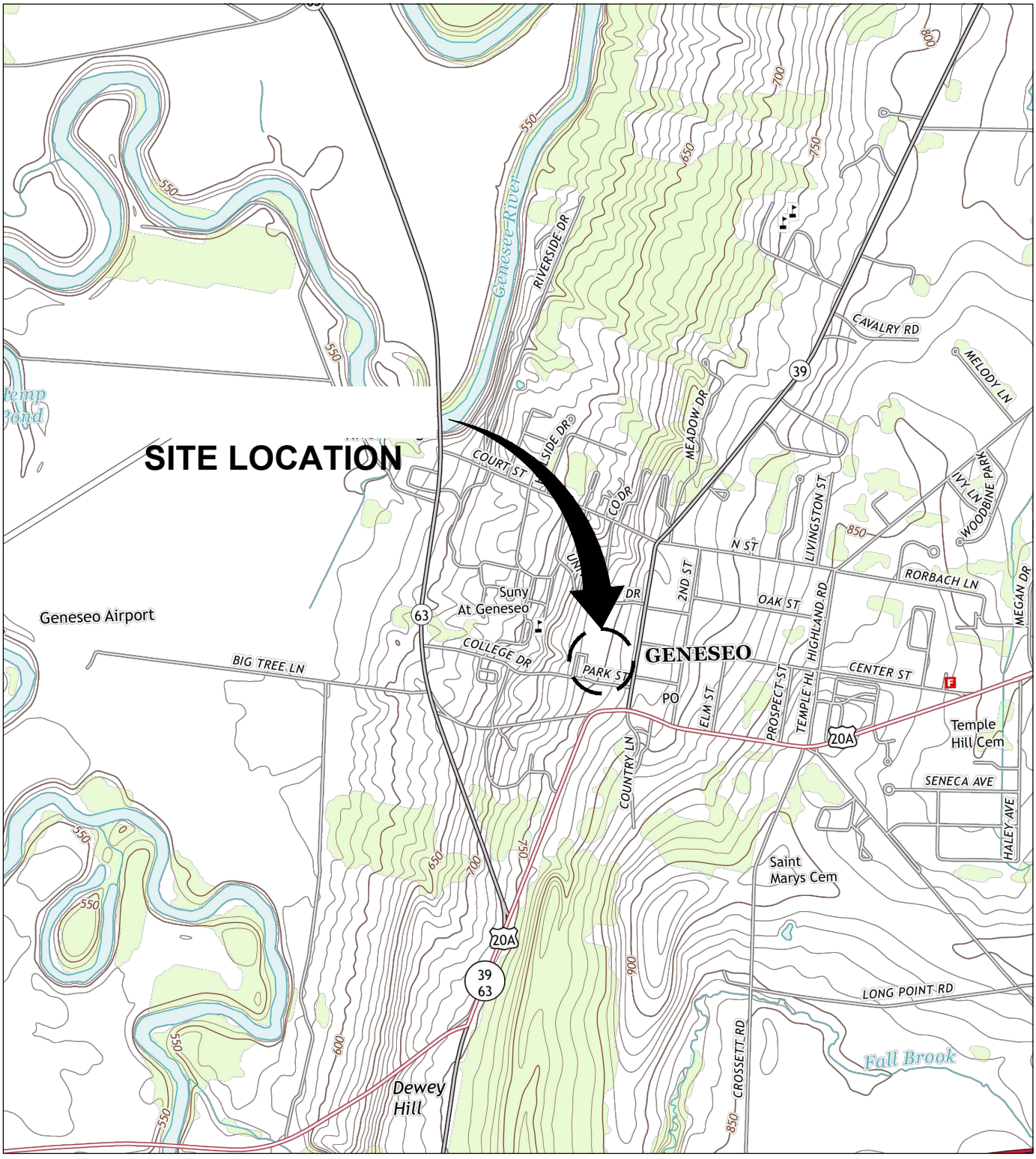
6. Conclusions and Recommendations

Each component of the SMP was complied with:

- ICs/ECs have been in place and effective, and
- Inspections were performed as required.

Based upon the inspections and compliance with the SMP, the Site remedy continues to meet the remedial objectives set forth. RG&E will continue to conduct inspections, groundwater monitoring, and NAPL removal from the specified monitoring well (MW-5) on an annual frequency.

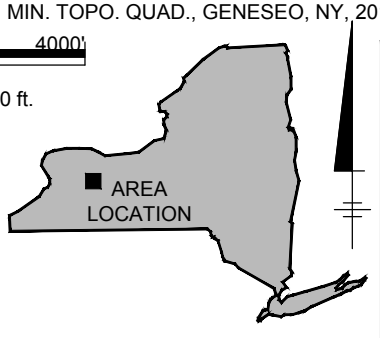
Figures



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

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



ROCHESTER GAS & ELECTRIC
PARK STREET FORMER MGP SITE
SITE MANAGEMENT PLAN

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

CITY:CRANBURY-NJ DIV/GROUP:ENVCAD DB:JMEYER LD:JMEYER PIC:K.WHITE PM:B.AHRENS TM:B.AHRENS LYR:(Opt)ON=*;OFF=*REF*
C:\Users\jmeyer\OneDrive - ARCADIS\BIM 360 DOCS\ROCHESTER GAS & ELECTRIC\R&E GENESEO\PARK ST - SITE CH2017\B0013138.0006\01-DWG\00003\B0013138N01.dwg LAYOUT: 1 SAVED: 12/11/2017 2:25 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE:
PLTFULL.CTB PLOTTED: 12/11/2017 2:26 PM BY: MEYER, JULIE
XREFS: IMAGES: PROJECTNAME: ---

LEGEND:

- PROPERTY LINE
- RIGHT-OF-WAY LINE
- BUILDING LINE
- FENCE LINE
- VEGETATION
- SANITARY SEWER LINE
- STORM SEWER LINE
- WATER LINE
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- NATURAL GAS LINE
- OVERHEAD TELEPHONE & CABLE LINE
- TELEPHONE & CABLE LINE
- UNKNOWN UTILITY
- FORMER MGP STRUCTURE
- LIMITS OF BEDROCK EXCAVATION
- LIMITS OF OVERBURDEN EXCAVATION
- FORMER STONE/BRICK STRUCTURE CONTAINING COAL TAR
- SOIL BORING LOCATION
- MONITORING WELL LOCATION
- SOIL VAPOR SAMPLE LOCATION
- SITE BOUNDARY AND INSTITUTIONAL CONTROL BOUNDARY

NOTES:

1. FORMER LOCATIONS OF GAS WORKS STRUCTURES FROM SANBORN LIBRARY, LLC 1906 MAP. LOCATIONS ARE APPROXIMATE.
2. LIMITS OF THE 2002/2003 OVERBURDEN EXCAVATION, BEDROCK EXCAVATION, AND LOCATIONS OF THE FORMER STRUCTURE CONTAINING COAL TAR FROM REPORT OF ACTIVITIES AT LL-LOT, SUNY GENESEO (2003). LOCATIONS ARE APPROXIMATE.

SOURCE:

1. BASEMAP INFORMATION PROVIDED BY FISHER ASSOCIATES, LLC. DATED JUNE, 2015. FILENAME: GENESEO TOPO.DWG. GEOREFERENCED TO NEW YORK STATE PLANE NAD83 COORDINATE SYSTEM.

0 60' 120'

GRAPHIC SCALE

ROCHESTER GAS & ELECTRIC
PARK STREET FORMER MGP SITE
SITE MANAGEMENT PLAN

SITE PLAN

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

Tables

Table 1 - Groundwater Sample Analytical Results

Well ID			MW-4	MW-4	MW-4		MW-4	MW-4	MW-4		MW-4		MW-4	MW-4	MW-4	MW-4	
Sample ID		NYSDEC TOGS 1.1.1	GEN-MW4	GEN-MW4-092818	GEN-MW4-051519	Duplicate-051519	GEN-MW4 102919	GEN-MW4-04222020	GEN-MW4-10282020	GEN-DUP-10282020	GEN-MW4-042821	GEN-DUP-042821	GEN-MW4-102921	GEN-MW4-052422	GEN-MW4-120422	MW-4-112923	Dupe-112923
Lab Sample ID		Class GA[1]	181657-05	184501-06	192209-03	192209-05	195363-05	201703-07	205221-03	205221-04	211799-05	211799-04	214958-01	222457-06	R2211583-005	L2371088-03	L2371088-02
Date Sampled	Units		4/23/2018	9/28/2018	5/15/2019		10/29/2019	4/22/2020	10/28/2020		4/28/2021		10/29/2021	5/24/2022	12/4/2022	11/29/2023	11/29/2023
Volatiles																	
Benzene	µg/L	1	**0.857 J**	1 U	**0.547 J**	**1.04**	**0.841 J**	**0.828 J**	**0.852 J**	**0.949 J**	**2.56**	**2.51**	1.00 U M	**0.503 J**	5.0 U	0.5 U	0.5 U
Ethylbenzene	µg/L	5*	2 U	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U M	2.00 UJ	5.0 U	2.5 U	2.5 U
Toluene	µg/L	5*	2 U	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U M	2.00 UJ	5.0 U	2.5 U	2.5 U
Xylene (total)	µg/L	5*	**2.97**	**1.97 J**	**2.02**	**2.60**	**5.86 J**	**3.18**	**5.72 J**	**6.46 J**	**19.09**	**19.57**	**2.44**	**2.98 J**	5.0 U	2.5 U	2.5 U
Semi-Volatiles																	
Acenaphthene	µg/L	20	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 U	0.1 U
Acenaphthylene	µg/L	NS	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 U	0.1 U
Anthracene	µg/L	50	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 U	0.1 U
Benzo(a)anthracene	µg/L	0.002**	10 U	10 U	10 U	10 U	5.37 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	**0.03 J**	**0.02 J**
Benzo(a)pyrene	µg/L	ND	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.18 U	0.13 U	0.1 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 UJ	0.1 U
Benzo(g,h,i)perylene	µg/L	NS	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 U	0.1 U
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	10 U	10 U	5.70 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 U	0.1 U
Dibenzo(a,h)anthracene	µg/L	NS	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 UJ	0.1 U
Chrysene	µg/L	0.002	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 U	0.1 U
Fluoranthene	µg/L	50	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 U	0.1 U
Fluorene	µg/L	50	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	**0.04 J**	**0.04 J**	0.10 U	0.10 U	0.18 U	0.13 U	0.1 U
Indeno(1,2,3-cd) pyrene	µg/L	0.002**	10 U	10 U	10 U	10 U	5.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 UJ	0.1 U
Naphthalene	µg/L	10	10 U	10 U	10 U	10 U	6.03 U	**0.05 J**	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 UJ	0.10 UJ
Phenanthrene	µg/L	50	10 U	10 U	10 U	10 U	5.00 U	**0.02 J**	**0.02 J**	**0.02 J**	**0.04 J**	**0.04 J**	0.10 U	**0.03 J**	0.18 U	0.13 U	0.1 U
Pyrene	µg/L	50	10 U	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.13 U	0.10 U
2-Chloronapthalene	µg/L	10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.26 U	0.20 U
2-Methylnaphthalene	µg/L	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.13 U	0.10 U

Notes:
µg/L = micrograms per liter
NT = Not Tested
NS = No Standard
NL = Not Listed
MDL = Method Detection Limit
D - Indicates that the concentration is a result of a dilution...
J - Indicates an estimated value. Result is below the Reporting Limit (Quantitation Limit), and/or the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).
U - Indicates that the constituent was not detected at the reported detection limit.
M - Indicates "Matrix spike recoveries outside QC limits. Matrix bias indicated."
UJ - Indicates that "The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise."
Bolded value indicates that the compound was detected above laboratory minimum detection limit (includes estimated values below the reporting limit).
Bolded and highlighted value indicates that the compound was detected above its respective regulatory standard or guidance value.
[1]Class GA Drinking Water Standard or Guidance Value
ND = Non-detectable concentration by the approved analytical methods referenced in 6 NYCRR 700.3
*Principal Organic Contaminant Standard
**Class GA Guidance Value

NEU-VELLE LLC

Table 1 - Groundwater Sample Analytical Results

Well ID		NYSDEC TOGS 1.1.1	MW-6		MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6		MW-6
Sample ID			GEN-MW6	GEN- FIELD DUPE	GEN-MW6-092918	GEN-MW6-051619	GEN-MW6-103019	GEN-MW6-04222020	GEN-MW6-10312020	GEN-MW6-050321	GEN-MW6-103121	GEN-MW6-052522	GEN-MW6-120622	GEN-SVDUP-120622	MW-6-112923
Lab Sample ID		Class GA[1]	181657-08	181657-09	184501-09	192209-06	195363-08	201703-08	205240-04	211855-02	214958-06	222457-07	R2211583-008	R2211583-009	L2371088-01
Date Sampled	Units		4/24/2018		9/29/2018	5/16/2019	10/30/2019	4/22/2020	10/31/2020	5/3/2021	10/31/2021	5/25/2022	12/6/2022		11/29/2023
Volatiles															
Benzene	µg/L	1	**147**	**150**	**170**	**148**	**198**	**161**	**249**	**97.4**	**178**	**164 J**	**170**	NT	**150**
Ethylbenzene	µg/L	5*	**31.5**	**32.5**	**35.8**	**22.5**	**32.6**	**26.1**	**39.6**	**22.1**	**32.6**	**46.7 J**	**47**	NT	**42**
Toluene	µg/L	5*	**51.5**	**53.1**	**62.7**	**71.8**	**84.9**	**72.4**	**79.7**	**19.4**	**33.8**	**49.8 J**	**47**	NT	**33**
Xylene (total)	µg/L	5*	**107.3**	**108.9**	**116.2**	**125.6**	**114.7**	**144.0**	**126.6**	**57.6**	**86.8**	**104.2 J**	**110**	NT	**102**
Semi-Volatiles															
Acenaphthene	µg/L	20	20 U	20 U	20 U	20 U	25.0 U	**1.7 J**	**1.8 J**	**1.2**	**1.7**	**2.9**	**2.2**	**3.4**	**3.2**
Acenaphthylene	µg/L	NS	**25.1**	**25.3**	**22.2**	**21.4**	**34.9**	**24**	**24**	**14**	**18**	**29 E**	**14**	**36 D**	**26**
Anthracene	µg/L	50	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	**0.46 J**	**0.42**	**0,48**	**0.58**	**0.49 J**
Benzo(a)anthracene	µg/L	0.002**	10 U	20 U	20 U	20 U	26.8 U	2.0 U	2.0 U	1.0 U	1.0 U	0.05 UJ	0.19 U	0.18 U	0.5 U
Benzo(a)pyrene	µg/L	ND	10 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 UJ	0.19 U	0.18 U	0.5 U
Benzo(b)fluoranthene	µg/L	0.002	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U	0.19 U	0.18 U	0.5 U
Benzo(g,h,i)perylene	µg/L	NS	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U	0.19 U	0.18 U	0.5 U
Benzo(k)fluoranthene	µg/L	0.002	20 U	20 U	20 U	20 U	28.5 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U	0.19 U	0.18 U	0.5 U
Dibenzo(a,h)anthracene	µg/L	NS	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U	0.19 U	0.18 U	0.5 U
Chrysene	µg/L	0.002	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U	0.19 U	0.18 U	0.5 U
Fluoranthene	µg/L	50	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	**0.05 J**	0.19 U	0.18 U	0.5 U
Fluorene	µg/L	50	20 U	20 U	20 U	20 U	25.0 U	**3.9**	**3.8**	**2.6**	**4.0**	**5.5**	**4.4**	**6.5**	**6.4**
Indeno(1,2,3-cd) pyrene	µg/L	0.002**	10 U	20 U	20 U	20 U	25.5 U	2.0 U	2.0 UJ	1.0 U	1.0 U	0.10 UJ	0.19 U	0.18 U	0.5 U
Naphthalene	µg/L	10	**279**	**299**	**273**	**283**	**486**	**260**	**250**	**110**	**170**	**200 E**	**150 D**	**240 D**	**200**
Phenanthrene	µg/L	50	20 U	20 U	20 U	20 U	25.0 U	**1.7 J**	**1.5 J**	**0.90 J**	**1.6 J**	**1.9**	**2.3**	**2.9**	**2.7**
Pyrene	µg/L	50	20 U	20 U	20 U	20 U	25.0 U	2.0 U	2.0 U	1.0 U	1.0 U	0.10 U	0.19 U	0.18 U	0.5 U
2-Chloronapthalene	µg/L	10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1 U
2-Methylnaphthalene	µg/L	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.17 J**

Notes:
µg/L = micrograms per liter
NT = Not Tested
NS = No Standard
NL = Not Listed
MDL = Method Detection Limit
D - Indicates that the concentration is a result of a dilution...
E - Indicates "Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument."
J - Indicates an estimated value. Result is below the Reporting Limit (Quantitation Limit), and/or the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).
U - Indicates that the constituent was not detected at the reported detection limit.
UJ - Indicates that "The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise."
Bolded value indicates that the compound was detected above laboratory minimum detection limit (includes estimated values below the reporting limit).
Bolded and highlighted value indicates that the compound was detected above its respective regulatory standard or guidance value.
[1]Class GA Drinking Water Standard or Guidance Value
ND = Non-detectable concentration by the approved analytical methods referenced in 6 NYCRR 700.3
*Principal Organic Contaminant Standard
**Class GA Guidance Value

NEU-VELLE LLC

Table 1 - Groundwater Sample Analytical Results

Well ID		NYSDEC TOGS 1.1.1	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Sample ID			GEN-MW7	GEN-MW7-092618	GEN-MW7-051719	GEN-MW7-103119	GEN-MW7-04222020	GEN-MW7-10302020	GEN-MW7-050321	GEN-MW7-110121	GEN-MW7-052622	GEN-MW7-120622	MW7-120123
Lab Sample ID		Class GA[1]	181657-07	184501-01	192209-09	195363-10	201703-09	205240-01	211855-03	214958-09	222457-09	R2211583-010	L2371088-04
Date Sampled	Units		4/24/2018	9/26/2018	5/17/2019	10/31/2019	4/22/2020	10/30/2020	5/3/2021	11/1/2021	5/26/2022	12/6/2022	12/1/2023
Volatiles													
Benzene	µg/L	1	1 U	**0.606 J**	1 U	**0.951 J**	1.00 U	**0.729 J**	1.00 U	1.00 U	1.00 U	5.0 U	**0.78**
Ethylbenzene	µg/L	5*	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5.0 U	2.5 U
Toluene	µg/L	5*	2 U	2 U	2 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	5.0 U	2.5 U
Xylene (total)	µg/L	5*	2 U	**1.65 J**	2 U	**2.0**	2.00 U	**1.00 J**	2.00 U	2.00 U	2.00 U	5.0 U	**1.4 J**
Semi-Volatiles													
Acenaphthene	µg/L	20	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.18 U	0.10 UJ
Acenaphthylene	µg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.18 U	**0.02 J**
Anthracene	µg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.18 U	0.10 UJ
Benzo(a)anthracene	µg/L	0.002**	10 U	10 U	10 U	5.37 U	0.10 U	0.10 U	0.10 U	**0.02 J**	0.11 U	0.18 U	0.1 U
Benzo(a)pyrene	µg/L	ND	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 UJ	0.18 U	0.1 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	**0.02 J**	0.11 U	0.18 U	**0.02 J**
Benzo(g,h,i)perylene	µg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.18 U	**0.03 J**
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	10 U	5.70 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.18 U	**0.02 J**
Dibenzo(a,h)anthracene	µg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.18 U	**0.02 J**
Chrysene	µg/L	0.002	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.18 U	**0.01 J**
Fluoranthene	µg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.18 U	0.1 U
Fluorene	µg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.18 U	0.10 UJ
Indeno(1,2,3-cd) pyrene	µg/L	0.002**	10 U	10 U	10 U	5.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 UJ	0.18 U	**0.03 J**
Naphthalene	µg/L	10	10 U	10 U	10 U	6.03 U	0.10 U	**0.07 J**	0.10 U	0.10 U	0.11 U	0.18 U	**0.12 J**
Phenanthrene	µg/L	50	10 U	10 U	10 U	5.00 U	**0.02 J**	**0.02 J**	**0.02 J**	**0.02 J**	**0.03 J**	0.18 U	0.10 UJ
Pyrene	µg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.18 U	0.1 U
2-Chloronapthalene	µg/L	10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.20 UJ
2-Methylnaphthalene	µg/L	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	**0.17 J**

Notes:
µg/L = micrograms per liter
NT = Not Tested
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J - Indicates an estimated value. Result is below the Reporting Limit (Quantitation Limit)
U - Indicates that the constituent was not detected at the reported detection limit.
UJ - Indicates that "The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise."
Bolded value indicates that the compound was detected above laboratory minimum detection limit (includes estimated values below the reporting limit).
Bolded and highlighted value indicates that the compound was detected above its respective regulatory standard or guidance value.
[1]Class GA Drinking Water Standard or Guidance Value
ND = Non-detectable concentration by the approved analytical methods referenced in 6 NYCRR 700.3
*Principal Organic Contaminant Standard
**Class GA Guidance Value

NEU-VELLE LLC

Table 1 - Groundwater Sample Analytical Results

Well ID		NYSDEC TOGS 1.1.1	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Sample ID			GEN-MW8	GEN-MW8-092818	GEN-MW8-051619	GEN-MW8-102919	GEN-MW8-04212020	GEN-MW8-10282020	GEN-MW8-050321	GEN-MW8-110121	GEN-MW8-052522	GEN-MW8-120522	MW8-120623
Lab Sample ID		Class GA[1]	181657-06	184501-04	192209-07	195363-07	201703-06	205221-02	211855-01	214958-08	222457-08	R2211583-006	L2372291-01
Date Sampled	Units		4/23/2018	9/28/2018	5/16/2019	10/29/2019	4/21/2020	10/28/2020	5/3/2021	11/1/2021	5/25/2022	12/5/2022	12/6/2023
Volatiles													
Benzene	µg/L	1	**8.93**	**8.08**	**6.00**	**5.50**	**2.28**	**3.59**	**2.54**	**3.37**	**1.88 J**	25 U	**2.2**
Ethylbenzene	µg/L	5*	**7.3**	**7.08**	**5.84**	**5.64**	**2.68**	**2.60**	**2.52**	**2.32**	**3.08 J**	25 U	**2.3 J**
Toluene	µg/L	5*	**2.76**	**5.78**	**4.99**	**5.21**	**2.24**	**3.76**	**1.49 J**	**1.44 J**	**2.00 J**	25 U	**2.2 J**
Xylene (total)	µg/L	5*	**3.85**	**11.77**	**8.26**	**9.45**	**6.28**	**8.19**	**5.88**	**6.58**	**8.98 J**	25 U	**9.2**
Semi-Volatiles													
Acenaphthene	µg/L	20	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.10 U
Acenaphthylene	µg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.10 U
Anthracene	µg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.10 U
Benzo(a)anthracene	µg/L	0.002**	10 U	10 U	10 U	5.37 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.18 U	0.10 U
Benzo(a)pyrene	µg/L	ND	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.18 U	0.10 U
Benzo(b)fluoranthene	µg/L	0.002	10 U	10 U	10 U	5.00 U	**0.02 J**	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.10 U
Benzo(g,h,i)perylene	µg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.10 U
Benzo(k)fluoranthene	µg/L	0.002	10 U	10 U	10 U	5.70 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.10 U
Dibenzo(a,h)anthracene	µg/L	NS	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.10 U
Chrysene	µg/L	0.002	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 UJ	0.10 U
Fluoranthene	µg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.10 U
Fluorene	µg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.10 U
Indeno(1,2,3-cd) pyrene	µg/L	0.002**	10 U	10 U	10 U	5.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.18 U	0.10 U
Naphthalene	µg/L	10	10 U	10 U	10 U	6.03 U	0.10 U	0.10 U	**0.09 J**	**0.22**	0.10 U	**0.61**	**0.05 J**
Phenanthrene	µg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	**0.04 J**	0.10 U	0.18 U	0.10 U
Pyrene	µg/L	50	10 U	10 U	10 U	5.00 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.18 U	0.10 U
2-Chloronapthalene	µg/L	10	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.20 U
2-Methylnaphthalene	µg/L	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.10 U

Notes:
µg/L = micrograms per liter
NT = Not Tested
NS = No Standard
NL = Not Listed
MDL = Method Detection Limit
D - Indicates that the concentration is a result of a dilution...
J - Indicates an estimated value. Result is below the Reporting Limit (Quantitation Limit), and/or the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample (The magnitude of any ± value associated with the result is not determined by data validation).
U - Indicates that the constituent was not detected at the reported detection limit.
UJ - Indicates that "The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be be inaccurate or imprecise."
Bolded value indicates that the compound was detected above laboratory minimum detection limit (includes estimated values below the reporting limit).
Bolded and highlighted value indicates that the compound was detected above its respective regulatory standard or guidance value.
[1]Class GA Drinking Water Standard or Guidance Value
ND = Non-detectable concentration by the approved analytical methods referenced in 6 NYCRR 700.3
*Principal Organic Contaminant Standard
**Class GA Guidance Value

NEU-VELLE LLC

Table 2

DNAPL MEASUREMENTS
RG&E - Park Street Site - Geneseo, New York
Quarterly DNAPL Summary

Well ID	Date of Monitoring NAPL	TOC Elevation (ft AMSL)	Depth to Water (ft bgs)	DNAPL Depth (ft bgs) Before Removal	DNAPL Thickness (ft) Before Removal	DNAPL Depth (ft bgs) After Removal	DNAPL Thickness (ft) After Removal	DNAPL Removal Volume (gal)	Total Well Depth (ft bgs)
				DNAPL					
MW5	4/23/2018	757.82	18.52	33.23	1.67	34.51	0.39	0.21	34.90
	7/30/2018	757.82	17.71	33.97	0.93	34.54	0.36	0.09	34.90
	9/24/2018	757.82	18.02	33.30	1.6	NM	NM	Negligible	34.90
	1/25/2019	757.82	17.90	33.50	1.4	NM	NM	0.2	34.90
	5/20/2019	757.82	16.82	34.65	0.25	NM	NM	±0.05	34.90
	7/25/2019	757.82	17.63	34.68	0.22	NM	NM	±0.05	34.90
	11/11/2019	757.82	17.03	34.70	0.20	NM	NM	±0.05	34.90
	1/27/2020	757.82	17.83	34.65	0.25	NM	NM	±0.05	34.90
	4/23/2020	757.82	18.06	34.70	0.20	NM	NM	±0.05	34.90
	7/23/2020	757.82	18.78	34.75	0.15	NM	NM	±0.05	34.90
	11/4/2020	757.82	18.75	34.75	0.15	NM	NM	±0.05	34.90
	1/14/2021	757.82	18.37	34.75	0.15	NM	NM	±0.05	34.90
	5/6/2021	757.82	18.02	34.75	0.15	NM	NM	±0.05	34.90
	7/26/2021	757.82	17.10	34.75 to ±34.70	0.15 to ±0.20	NM	NM	±0.05	34.90
	11/3/2021	757.82	19.28	34.75 to ±34.70	0.15 to ±0.20	NM	NM	±0.05	34.90
	1/31/2022	757.82	19.39	±34.70	±0.20	NM	NM	±0.10	34.90
	5/31/2022	757.82	17.46	±34.73	±0.17	NM	NM	±0.05	34.90
	11/30/2022	757.82	18.80	±34.76	±0.14	NM	NM	±0.05	34.90
	1/30/2023	757.82	17.64	±34.725	±0.175	NM	NM	±0.05	34.90
	5/31/2023	757.82	NM	±34.733	±0.167	NM	NM	±0.01	34.90
	7/27/2023	757.82	23.70	±34.733	±0.167	NM	NM	±0.01	34.90
	12/1/23	757.82	24.30	±34.733	N/A	NM	NM	±0.005	34.90

Notes:

1. ft AMSL = Feet above mean sea level.
2. bgs = below ground surface
3. NM = Not Measured
4. DNAPL = dense non-aqueous phase liquid

Appendix A

2024 Site Inspection Form and Photographic Log

Site Inspection Form
Park Street Former MGP Site - Geneseo, New York

Date/Time: 11/20/2024 0930 AM

Weather: 54 Cloudy

Personnel: Andrew Rothfuss
New-Kelle LLC

Temperature: 54°F

General Requirements

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

1. General Site Conditions:

Monitoring wells	☒ Good	☐ Poor*
Cover Areas (Pavement)	☒ Good	☐ Poor*
Cover Areas (Sidwalk)	☒ Good	☐ Poor*
Cover Areas (Grass/Landscaping)	☒ Good	☐ Poor*
Signs of intrusive activities	☒ No	☐ Yes*
Evidence of Settlement	☒ No	☐ Yes*

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

2. Site Cover Systems:

Borrowing/Depressions	☒ No	☐ Yes*
Standing Water	☒ No	☐ Yes*
Missing Asphal/Sidewalk	☒ No	☐ Yes*
Vegetative Growth (Other than grass/landscaped areas)	☒ No	☐ Yes*
Evidence of Settlement	☒ No	☐ Yes*
Sedimentation	☒ No	☐ Yes*
Damage/Failure	☒ No	☐ Yes*

3. Notes:

On-Site groundwater monitoring wells, Asphalt pavement, concrete sidewalks, and landscape areas of the site in good condition NO Corrective Actions needed at this Time.
— Andrew Rothfuss

Site Inspection Photographs
RG&E Park Street, Geneseo, NY – November 2024

Landscaped area to south of Parking Lot L – viewing west

Asphalt cover, southern portion of Parking Lot L - viewing west

Site Inspection Photographs
RG&E Park Street, Geneseo, NY – November 2024

Eastern edge of Parking Lot L - viewing north

MW-3, eastern portion of Parking Lot L - viewing east

Site Inspection Photographs
RG&E Park Street, Geneseo, NY – November 2024

Asphalt cover, near MW-2, eastern portion of Parking Lot L - viewing north

Asphalt cover, northern portion of Parking Lot L - viewing west

Site Inspection Photographs
RG&E Park Street, Geneseo, NY – November 2024

Asphalt cover near MW2 - viewing south

Western sidewalk and Parking Lot L – viewing south

Site Inspection Photographs
RG&E Park Street, Geneseo, NY – November 2024

MW-4 area – viewing northwest

MW-5 and MW-6 – viewing north

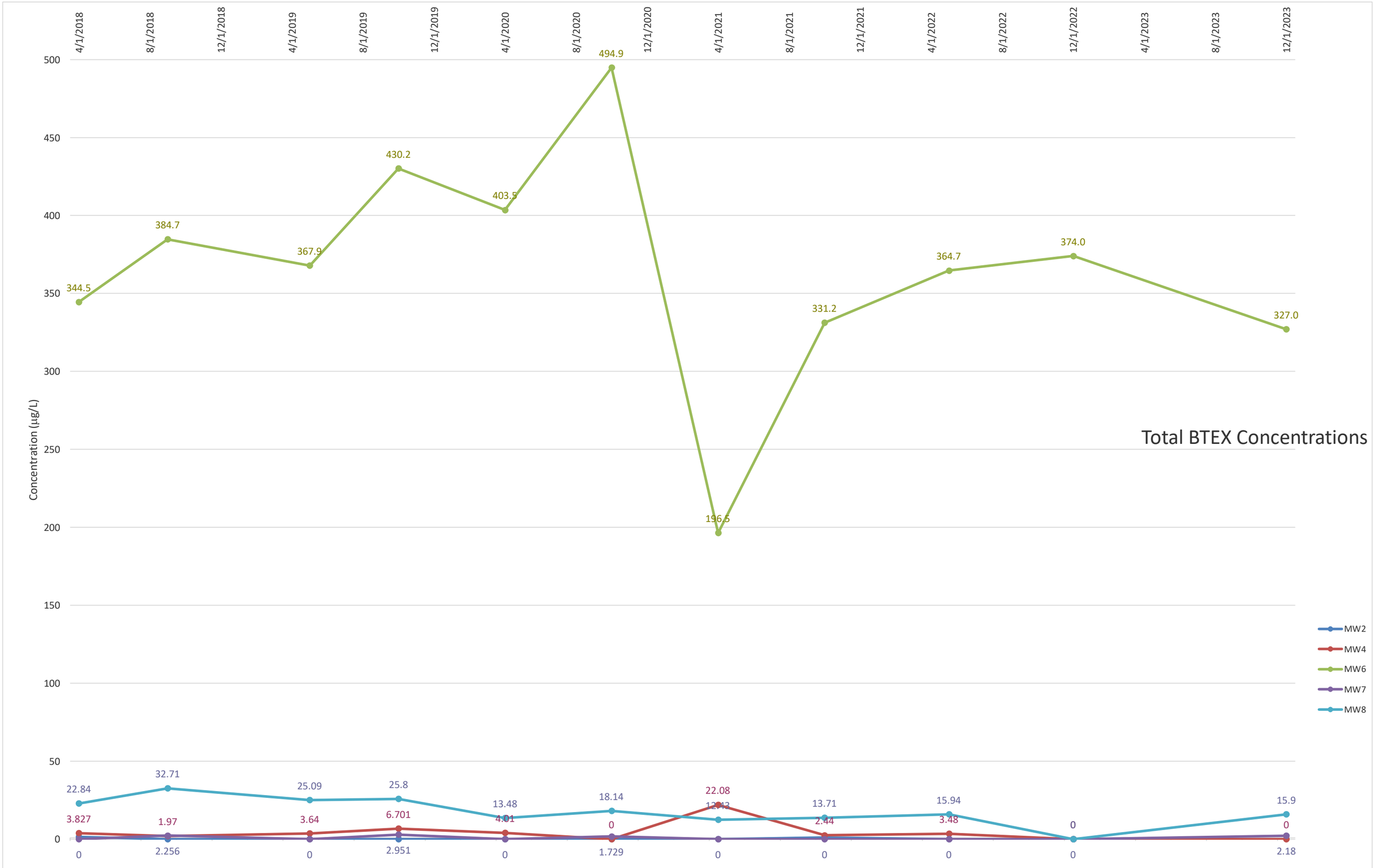
Site Inspection Photographs
RG&E Park Street, Geneseo, NY – November 2024

MW-8 (circled) – viewing northwest

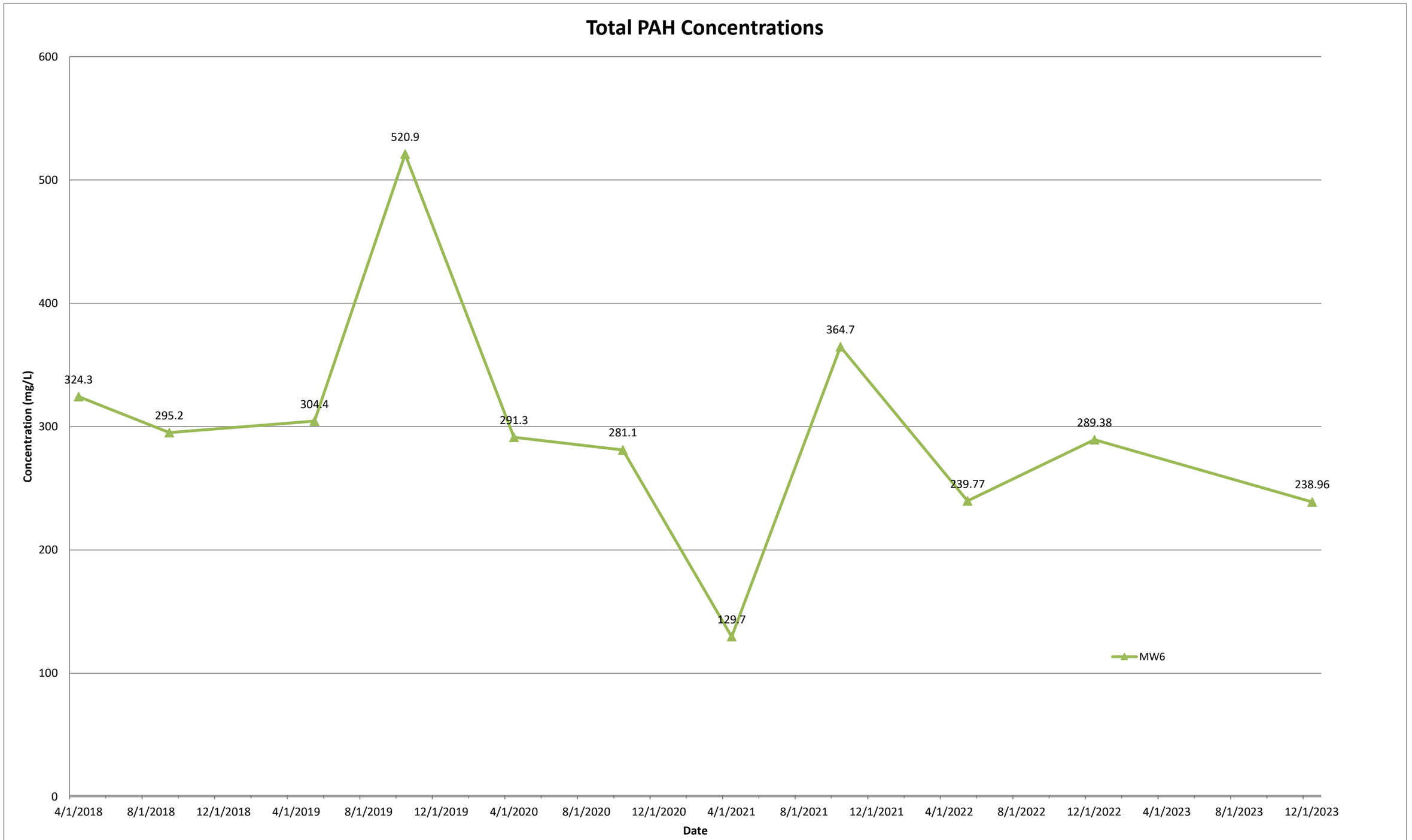
MW-7 area – viewing southeast

Appendix B

Time Series Plot of COPCs


Total BTEX Concentrations
Concentration (µg/L)
4/1/2018
8/1/2018
12/1/2018
4/1/2019
8/1/2019
12/1/2019
4/1/2020
8/1/2020
12/1/2020
4/1/2021
8/1/2021
12/1/2021
4/1/2022
8/1/2022
12/1/2022
4/1/2023
8/1/2023
12/1/2023
500
450
400
350
300
250
200
150
100
50
0
344.5
384.7
367.9
430.2
403.5
494.9
196.5
331.2
364.7
374.0
327.0
MW2
MW4
MW6
MW7
MW8
22.84
32.71
25.09
25.8
13.48
18.14
13.71
15.94
15.9
3.827
1.97
3.64
6.701
4.01
0
22.08
2.44
3.48
0
0
0
2.256
0
2.951
0
1.729
0
0
0
0
2.18

Total PAH Concentrations



Appendix C

Institutional and Engineering Controls Certification 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. **V00731**

Site Name RGE Geneseo-Park St MGP

Site Address: 4 and 6 Park Street Zip Code: 14454
City/Town: Geneseo
County: Livingston
Site Acreage: 0.778

Reporting Period: November 01, 2023 to November 01, 2024

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. V00731 Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
	Charles Reyes, SUNY Geneseo EHS	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
	Cover System Monitoring Wells

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

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.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00731

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 Albert G. Lyons, Jr (print name) at Lyons Engineering, 10 Jones Ave, Rochester, NY 14608 (print business address),

am certifying as Owner Representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Albert G Lyons — 11/26/24

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date

EC CERTIFICATIONS

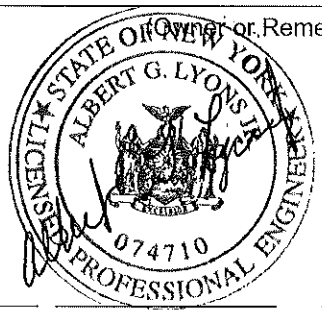
Box 7

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 Albert G. Lyons, Jr. (print name) at Lyons Engineering, 10 Jones Ave, Rochester, NY 14608 (print business address),

am certifying as a Professional Engineer for the Owner (Owner or Remedial Party)



Albert G Lyons — Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

11/26/24 — Date

Exhibit A

Laboratory Reports for Groundwater Sampling Events

Data Usability Reports

ANALYTICAL REPORT

Lab Number:	L2371088
Client:	NEU-VELLE Inc 10 Jones Avenue Rochester, NY 14608
ATTN:	Logan Reid
Phone:	(585) 478-3167
Project Name:	RG+E GENESEO
Project Number:	2013172
Report Date:	12/15/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RG+E GENESEO
Project Number: 2013172

Lab Number: L2371088
Report Date: 12/15/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2371088-01	MW-6-112923	WATER	RG+E PARK STREET FORMER MGP	11/29/23 11:45	12/01/23
L2371088-02	DUPE-112923	WATER	RG+E PARK STREET FORMER MGP	11/29/23 00:00	12/01/23
L2371088-03	MW-4-112923	WATER	RG+E PARK STREET FORMER MGP	11/29/23 13:05	12/01/23
L2371088-04	MW-7-120123	WATER	RG+E PARK STREET FORMER MGP	12/01/23 12:05	12/01/23
L2371088-05	EQ-120123	WATER	RG+E PARK STREET FORMER MGP	12/01/23 12:30	12/01/23
L2371088-06	TRIP BLANK	WATER	RG+E PARK STREET FORMER MGP	12/01/23 00:00	12/01/23

Project Name:	RG+E GENESEO	**Lab Number:**	L2371088
Project Number:	2013172	**Report Date:**	12/15/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	RG+E GENESEO	**Lab Number:**	L2371088
Project Number:	2013172	**Report Date:**	12/15/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics by SIM

L2371088-03 and WG1859020-4: The sample has elevated detection limits due to limited sample volume available for analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 12/15/23

ORGANICS

VOLATILES

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-01
Client ID: MW-6-112923
Sample Location: RG+E PARK STREET FORMER MGP
Date Collected: 11/29/23 11:45
Date Received: 12/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/10/23 00:00
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	150		ug/l	0.50	0.16	1
Toluene	33		ug/l	2.5	0.70	1
Ethylbenzene	42		ug/l	2.5	0.70	1
p/m-Xylene	50		ug/l	2.5	0.70	1
o-Xylene	52		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	96		70-130

Project Name: RG+E GENESEO **Lab Number:** L2371088

Project Number: 2013172 **Report Date:** 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-02 Date Collected: 11/29/23 00:00

Client ID: DUPE-112923 Date Received: 12/01/23

Sample Location: RG+E PARK STREET FORMER MGP Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 12/10/23 00:26

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	101		70-130

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-03
Client ID: MW-4-112923
Sample Location: RG+E PARK STREET FORMER MGP
Date Collected: 11/29/23 13:05
Date Received: 12/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/10/23 00:51
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	102		70-130

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-04
Client ID: MW-7-120123
Sample Location: RG+E PARK STREET FORMER MGP
Date Collected: 12/01/23 12:05
Date Received: 12/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/10/23 01:16
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	0.78		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	1.4	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	97		70-130

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-05
Client ID: EQ-120123
Sample Location: RG+E PARK STREET FORMER MGP
Date Collected: 12/01/23 12:30
Date Received: 12/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/10/23 01:42
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	125		70-130
Dibromofluoromethane	102		70-130

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-06
Client ID: TRIP BLANK
Sample Location: RG+E PARK STREET FORMER MGP
Date Collected: 12/01/23 00:00
Date Received: 12/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/10/23 02:07
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	102		70-130

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/09/23 21:53
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1862399-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RG+E GENESEO

Project Number: 2013172

Lab Number: L2371088

Report Date: 12/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1862399-3 WG1862399-4								
Benzene	110		100		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	107		109		70-130
4-Bromofluorobenzene	118		116		70-130
Dibromofluoromethane	97		97		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: RG+E GENESEO

Project Number: 2013172

Lab Number: L2371088

Report Date: 12/15/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1862399-6 WG1862399-7 QC Sample: L2371088-03 Client ID: MW-4-112923												
Benzene	ND	10	10	100		10	100		70-130	0		20
Toluene	ND	10	11	110		11	110		70-130	0		20
Ethylbenzene	ND	10	11	110		11	110		70-130	0		20
p/m-Xylene	ND	20	22	110		22	110		70-130	0		20
o-Xylene	ND	20	22	110		22	110		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
4-Bromofluorobenzene	129		127		70-130
Dibromofluoromethane	90		90		70-130
Toluene-d8	117		116		70-130

SEMIVOLATILES

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-01 D
Client ID: MW-6-112923
Sample Location: RG+E PARK STREET FORMER MGP

Date Collected: 11/29/23 11:45
Date Received: 12/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/15/23 10:59
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 12/03/23 08:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	3.2		ug/l	0.50	0.07	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	ND		ug/l	0.50	0.10	5
Naphthalene	200		ug/l	0.50	0.24	5
Benzo(a)anthracene	ND		ug/l	0.50	0.10	5
Benzo(a)pyrene	ND		ug/l	0.50	0.08	5
Benzo(b)fluoranthene	ND		ug/l	0.50	0.06	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.04	5
Chrysene	ND		ug/l	0.50	0.06	5
Acenaphthylene	26		ug/l	0.50	0.06	5
Anthracene	0.49	J	ug/l	0.50	0.07	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.07	5
Fluorene	6.4		ug/l	0.50	0.07	5
Phenanthrene	2.7		ug/l	0.50	0.12	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.06	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.06	5
Pyrene	ND		ug/l	0.50	0.10	5
2-Methylnaphthalene	0.17	J	ug/l	0.50	0.11	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	61		15-120
4-Terphenyl-d14	61		41-149

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-02
Client ID: DUPE-112923
Sample Location: RG+E PARK STREET FORMER MGP

Date Collected: 11/29/23 00:00
Date Received: 12/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/04/23 17:03
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 12/03/23 08:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	0.07	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	59		15-120
4-Terphenyl-d14	59		41-149

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-03
Client ID: MW-4-112923
Sample Location: RG+E PARK STREET FORMER MGP

Date Collected: 11/29/23 13:05
Date Received: 12/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/04/23 17:19
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 12/03/23 08:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.13	0.02	1
2-Chloronaphthalene	ND		ug/l	0.26	0.02	1
Fluoranthene	ND		ug/l	0.13	0.03	1
Naphthalene	0.10	J	ug/l	0.13	0.06	1
Benzo(a)anthracene	0.03	J	ug/l	0.13	0.03	1
Benzo(a)pyrene	ND		ug/l	0.13	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.13	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.13	0.01	1
Chrysene	ND		ug/l	0.13	0.02	1
Acenaphthylene	ND		ug/l	0.13	0.02	1
Anthracene	ND		ug/l	0.13	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.13	0.02	1
Fluorene	ND		ug/l	0.13	0.02	1
Phenanthrene	ND		ug/l	0.13	0.03	1
Dibenzo(a,h)anthracene	ND		ug/l	0.13	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.13	0.02	1
Pyrene	ND		ug/l	0.13	0.02	1
2-Methylnaphthalene	ND		ug/l	0.13	0.03	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	58		15-120
4-Terphenyl-d14	54		41-149

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-04
Client ID: MW-7-120123
Sample Location: RG+E PARK STREET FORMER MGP

Date Collected: 12/01/23 12:05
Date Received: 12/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/09/23 15:22
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 12/05/23 16:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	0.03	J	ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	0.12		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.01	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	0.05	J	ug/l	0.10	0.01	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.17		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	84		15-120
4-Terphenyl-d14	72		41-149

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

SAMPLE RESULTS

Lab ID: L2371088-05
Client ID: EQ-120123
Sample Location: RG+E PARK STREET FORMER MGP
Date Collected: 12/01/23 12:30
Date Received: 12/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/09/23 15:39
Analyst: AH
Extraction Method: EPA 3510C
Extraction Date: 12/05/23 16:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	0.03	J	ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.03	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	79		15-120
4-Terphenyl-d14	79		41-149

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 12/03/23 18:29
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/02/23 15:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1859020-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	54		15-120
4-Terphenyl-d14	57		41-149

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 12/08/23 00:13
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/05/23 16:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-05 Batch: WG1860073-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	83		15-120
4-Terphenyl-d14	70		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RG+E GENESEO
Project Number: 2013172

Lab Number: L2371088
Report Date: 12/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1859020-2 WG1859020-3								
Acenaphthene	62		61		40-140	2		40
2-Chloronaphthalene	61		58		40-140	5		40
Fluoranthene	81		80		40-140	1		40
Naphthalene	61		59		40-140	3		40
Benzo(a)anthracene	72		70		40-140	3		40
Benzo(a)pyrene	74		74		40-140	0		40
Benzo(b)fluoranthene	75		73		40-140	3		40
Benzo(k)fluoranthene	71		72		40-140	1		40
Chrysene	66		66		40-140	0		40
Acenaphthylene	67		64		40-140	5		40
Anthracene	73		71		40-140	3		40
Benzo(ghi)perylene	78		77		40-140	1		40
Fluorene	66		64		40-140	3		40
Phenanthrene	68		66		40-140	3		40
Dibenzo(a,h)anthracene	85		83		40-140	2		40
Indeno(1,2,3-cd)pyrene	91		89		40-140	2		40
Pyrene	82		82		40-140	0		40
2-Methylnaphthalene	63		61		40-140	3		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: RG+E GENESEO

Project Number: 2013172

Lab Number: L2371088

Report Date: 12/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1859020-2 WG1859020-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	77		74		23-120
2-Fluorobiphenyl	60		58		15-120
4-Terphenyl-d14	75		74		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RG+E GENESEO
Project Number: 2013172

Lab Number: L2371088
Report Date: 12/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-05 Batch: WG1860073-2 WG1860073-3								
Acenaphthene	76		77		40-140	1		40
2-Chloronaphthalene	71		71		40-140	0		40
Fluoranthene	62		68		40-140	9		40
Naphthalene	69		69		40-140	0		40
Benzo(a)anthracene	87		92		40-140	6		40
Benzo(a)pyrene	70		73		40-140	4		40
Benzo(b)fluoranthene	73		76		40-140	4		40
Benzo(k)fluoranthene	70		75		40-140	7		40
Chrysene	79		84		40-140	6		40
Acenaphthylene	72		74		40-140	3		40
Anthracene	75		79		40-140	5		40
Benzo(ghi)perylene	84		86		40-140	2		40
Fluorene	75		79		40-140	5		40
Phenanthrene	74		78		40-140	5		40
Dibenzo(a,h)anthracene	80		84		40-140	5		40
Indeno(1,2,3-cd)pyrene	92		96		40-140	4		40
Pyrene	58		64		40-140	10		40
2-Methylnaphthalene	73		73		40-140	0		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: RG+E GENESEO

Project Number: 2013172

Lab Number: L2371088

Report Date: 12/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-05 Batch: WG1860073-2 WG1860073-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	83		82		23-120
2-Fluorobiphenyl	74		75		15-120
4-Terphenyl-d14	58		64		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: RG+E GENESEO
Project Number: 2013172
Lab Number: L2371088
Report Date: 12/15/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1859020-4 WG1859020-5 QC Sample: L2371088-03 Client ID: MW-4-112923												
Acenaphthene	ND	21.6	14	65		12	66		40-140	15		40
2-Chloronaphthalene	ND	21.6	13	60		11	61		40-140	17		40
Fluoranthene	ND	21.6	14	65		11	61		40-140	24		40
Naphthalene	0.10J	21.6	13	60		12	66		40-140	8		40
Benzo(a)anthracene	0.03J	21.6	14	65		12	66		40-140	15		40
Benzo(a)pyrene	ND	21.6	9.7	45		7.8	43		40-140	22		40
Benzo(b)fluoranthene	ND	21.6	11	51		8.8	48		40-140	22		40
Benzo(k)fluoranthene	ND	21.6	10	46		8.0	44		40-140	22		40
Chrysene	ND	21.6	13	60		11	61		40-140	17		40
Acenaphthylene	ND	21.6	13	60		11	61		40-140	17		40
Anthracene	ND	21.6	14	65		12	66		40-140	15		40
Benzo(ghi)perylene	ND	21.6	4.6	**21**	Q	3.6	**20**	Q	40-140	24		40
Fluorene	ND	21.6	14	65		12	66		40-140	15		40
Phenanthrene	ND	21.6	14	65		11	61		40-140	24		40
Dibenzo(a,h)anthracene	ND	21.6	4.6	**21**	Q	3.7	**20**	Q	40-140	22		40
Indeno(1,2,3-cd)pyrene	ND	21.6	5.3	**25**	Q	4.2	**23**	Q	40-140	23		40
Pyrene	ND	21.6	13	60		11	61		40-140	17		40
2-Methylnaphthalene	ND	21.6	14	65		12	66		40-140	15		40

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2-Fluorobiphenyl	61		62		15-120
4-Terphenyl-d14	53		51		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: RG+E GENESEO

Project Number: 2013172

Lab Number: L2371088

Report Date: 12/15/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1859020-4 WG1859020-5 QC Sample: L2371088-03 Client ID: MW-4-112923												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		66		23-120

Project Name: RG+E GENESEO
Project Number: 2013172

Lab Number: L2371088
Report Date: 12/15/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2371088-01A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-01B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-01C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-01D	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-01E	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-02A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-02B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-02C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-02D	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-02E	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-03A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-03B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-03C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-03D	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-03E	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-03F	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-03G	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-03H	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-03I	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-03J	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-03K	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-03L	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-03M	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: RG+E GENESEO
Project Number: 2013172

Lab Number: L2371088
Report Date: 12/15/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2371088-03N	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-03O	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-04A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-04B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-04C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-04D	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-04E	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-05A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-05B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-05C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-05D	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-05E	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2371088-06A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)
L2371088-06B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-BTEX(14)

*Values in parentheses indicate holding time in days

Project Name:	RG+E GENESEO	**Lab Number:**	L2371088
Project Number:	2013172	**Report Date:**	12/15/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RG+E GENESEO	**Lab Number:**	L2371088
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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	RG+E GENESEO	**Lab Number:**	L2371088
Project Number:	2013172	**Report Date:**	12/15/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	RG+E GENESEO	**Lab Number:**	L2371088
Project Number:	2013172	**Report Date:**	12/15/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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TEL: 508-898-9220
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320 Forbes Blvd
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FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 12/2/23

ALPHA Job #: L2371088

Client Information
Client: New-velle LLC
Address: 10 Jones Ave
Phone: 585-478-3167
Fax:
Email: lreid@new-velle.com

Project Information
Project Name: RG+E Geneseo
Project Location: RG+E Park Street - Fmr MGP
Project #: 7023172
(Use Project name as Project #)
Project Manager: Logan Reid
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☒ Other Excel, PDF + EQuIS

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Low Level SIMS, cc: jcarter@new-velle.com

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	BTEX 8260	PAHs 8270	Total Bottle	Sample Specific Comments
L2371088-01	MW-6-112923	11/29/23	11:45	GW	JC	x	x		Low Level SIMS
02	Dupe-112923	11/29/23	x x	GW	JC	x	x		"
03	MW-4-112923	11/29/23	13:05	GW	JC	x	x		"
↓	MW-4 MS/MSD	11/29/23	13:05	GW	JC	x	x		"
04	MW-7-120123	12/01/23	12:05	GW	JC	x	x		"
05	EQ-120123	12/01/23	12:30	GW	X	x	x		"
06	Trip Blnk	x x		x x		x			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	12/1/23 @ 15:55	AAL	12/1/23 16:00
AAL	12/1/23 1700		12/2/23 0130

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2372291
Client:	NEU-VELLE Inc 10 Jones Avenue Rochester, NY 14608
ATTN:	Logan Reid
Phone:	(585) 478-3167
Project Name:	RG+E GENESEO
Project Number:	2023172
Report Date:	12/21/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RG+E GENESEO
Project Number: 2023172

Lab Number: L2372291
Report Date: 12/21/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2372291-01	MW-8-120623	WATER	RG+E PARK ST. FORMER MGP SITE	12/06/23 14:20	12/07/23
L2372291-02	TB-120623	WATER	RG+E PARK ST. FORMER MGP SITE	12/06/23 00:00	12/07/23

Project Name:	RG+E GENESEO	**Lab Number:**	L2372291
Project Number:	2023172	**Report Date:**	12/21/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	RG+E GENESEO	**Lab Number:**	L2372291
Project Number:	2023172	**Report Date:**	12/21/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2372291-02: A sample identified as "TB-120623" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 12/21/23

ORGANICS

VOLATILES

Project Name: RG+E GENESEO
Project Number: 2023172
Lab Number: L2372291
Report Date: 12/21/23

SAMPLE RESULTS

Lab ID: L2372291-01
Client ID: MW-8-120623
Sample Location: RG+E PARK ST. FORMER MGP SITE
Date Collected: 12/06/23 14:20
Date Received: 12/07/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/13/23 14:27
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	2.2		ug/l	0.50	0.16	1
Toluene	2.2	J	ug/l	2.5	0.70	1
Ethylbenzene	2.3	J	ug/l	2.5	0.70	1
p/m-Xylene	6.3		ug/l	2.5	0.70	1
o-Xylene	2.9		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: RG+E GENESEO
Project Number: 2023172
Lab Number: L2372291
Report Date: 12/21/23

SAMPLE RESULTS

Lab ID: L2372291-02
Client ID: TB-120623
Sample Location: RG+E PARK ST. FORMER MGP SITE
Date Collected: 12/06/23 00:00
Date Received: 12/07/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/13/23 14:53
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: RG+E GENESEO
Project Number: 2023172
Lab Number: L2372291
Report Date: 12/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/13/23 09:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1863859-5					
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: RG+E GENESEO

Project Number: 2023172

Lab Number: L2372291

Report Date: 12/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1863859-3 WG1863859-4								
Benzene	100		100		70-130	0		20
Toluene	120		110		70-130	9		20
Ethylbenzene	110		110		70-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		90		70-130
Toluene-d8	111		110		70-130
4-Bromofluorobenzene	106		104		70-130
Dibromofluoromethane	96		93		70-130

SEMIVOLATILES

Project Name: RG+E GENESEO
Project Number: 2023172
Lab Number: L2372291
Report Date: 12/21/23

SAMPLE RESULTS

Lab ID: L2372291-01
Client ID: MW-8-120623
Sample Location: RG+E PARK ST. FORMER MGP SITE

Date Collected: 12/06/23 14:20
Date Received: 12/07/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/15/23 12:05
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 12/12/23 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Naphthalene	0.05	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	75		15-120
4-Terphenyl-d14	81		41-149

Project Name: RG+E GENESEO
Project Number: 2023172
Lab Number: L2372291
Report Date: 12/21/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 12/15/23 11:48
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 12/12/23 09:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1862824-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	77		15-120
4-Terphenyl-d14	82		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: RG+E GENESEO

Project Number: 2023172

Lab Number: L2372291

Report Date: 12/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1862824-2 WG1862824-3								
Acenaphthene	72		74		40-140	3		40
2-Chloronaphthalene	66		69		40-140	4		40
Fluoranthene	74		78		40-140	5		40
Naphthalene	68		70		40-140	3		40
Benzo(a)anthracene	78		80		40-140	3		40
Benzo(a)pyrene	62		64		40-140	3		40
Benzo(b)fluoranthene	68		69		40-140	1		40
Benzo(k)fluoranthene	63		64		40-140	2		40
Chrysene	71		74		40-140	4		40
Acenaphthylene	68		71		40-140	4		40
Anthracene	70		73		40-140	4		40
Benzo(ghi)perylene	69		72		40-140	4		40
Fluorene	72		75		40-140	4		40
Phenanthrene	69		72		40-140	4		40
Dibenzo(a,h)anthracene	68		70		40-140	3		40
Indeno(1,2,3-cd)pyrene	77		80		40-140	4		40
Pyrene	74		77		40-140	4		40
2-Methylnaphthalene	68		71		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: RG+E GENESEO

Project Number: 2023172

Lab Number: L2372291

Report Date: 12/21/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1862824-2 WG1862824-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	71		76		23-120
2-Fluorobiphenyl	66		69		15-120
4-Terphenyl-d14	69		74		41-149

Project Name: RG+E GENESEO
Project Number: 2023172

Lab Number: L2372291
Report Date: 12/21/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2372291-01A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-BTEX(14)
L2372291-01B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-BTEX(14)
L2372291-01C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-BTEX(14)
L2372291-01D	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2372291-01E	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-PAHSIM-LVI(7)
L2372291-02A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-BTEX(14)
L2372291-02B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-BTEX(14)

*Values in parentheses indicate holding time in days

Project Name:	RG+E GENESEO	**Lab Number:**	L2372291
Project Number:	2023172	**Report Date:**	12/21/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	RG+E GENESEO	**Lab Number:**	L2372291
Project Number:	2023172	**Report Date:**	12/21/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	RG+E GENESEO	**Lab Number:**	L2372291
Project Number:	2023172	**Report Date:**	12/21/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	RG+E GENESEO	**Lab Number:**	L2372291
Project Number:	2023172	**Report Date:**	12/21/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/8/23

ALPHA Job #: L2372291

Client Information
Client: New-Velle, LLC
Address: 10 Jones Ave
Rochester NY
Phone: 585-475-3167
Fax:
Email: Lreid@new-velle.com

Project Information
Project Name: RG+E Geneseo
Project Location: RG+E Park St. Former MGP Site
Project #: 2023172
(Use Project name as Project #)
Project Manager: Logan Reid
ALPHAQuote #:

Turn-Around Time
Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

*Low lvl SIMs, CC: jCarter@new-velle.com

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	BTEX 8260	8270 PAHs	Sample Specific Comments	Total Bottle
72291-01	MW-8-120623	12.6.23	14:20	GW	MS	X	X	Low Lvl SIMs	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	12.7.23 @ 14:15		
AAL	12/7 1700		12/7 1430
			12/8/23 0100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

DATA USABILITY SUMMARY REPORT (DUSR)

RGE Geneseo
Former MGP Site
Project #: 2023172

SDGs: **L2372291**
1 Water Sample and 1 Trip Blank

Prepared for:

Neu Velle, LLC
10 Jones Avenue
Rochester, NY 14608
Attention: Logan Reid

March 2024

EDU *Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 585-991-9156*

Table of Contents

Tables

REVIEWER'S NARRATIVE
Neu-Velle SDG L2372291: RGE Geneseo Former MGP

The data associated with this Sample Delivery Group (SDG) L2372291, analyzed by Alpha Analytical, Westborough, MA have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier 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 analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte 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.

Reviewer's Signature: Michael K. Perry Date: 3/27/2024

Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	RGE Geneseo Former MGP Site Geneseo, NY Project #: 2023172
SAMPLING DATE:	December 06, 2023
SAMPLE TYPE:	1 water sample and 1 trip blank
LABORATORY:	Alpha Analytical Westborough, MA
SDG No.:	L2372291

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data packages consists of analytical results for one water sample and one trip blank collected on December 06, 2023. These samples were analyzed for Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs).

All analyses were performed by Alpha Analytical, Westborough, MA and analyzed as SDG: L2372291. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents appropriate for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results were selected from those listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

Guidance Used For Validating Laboratory Analytical Data

Analyte Group	Guidance	Date
Metals (ICP-AES)	USEPA SOP HW-3a, Rev. 1	September 2016
Metals (Hg & CN)	USEPA SOP HW-3c, Rev. 1	September 2016
Volatile Organic Compounds (by Methods 8260B & 8260C)	USEPA SOP HW-24, Rev. 4	September 2014
Semi-Volatile Organic Compounds (by Method 8270D)	USEPA SOP HW-22 Rev. 5	December 2010
Pesticides (by Method 8181B)	USEPA SOP HW-44, Rev. 1.1	December 2010
Chlorinated Herbicides (by Method 8151A)	USEPA SOP HW-17, Rev. 3.1	December 2010
Polychlorinated Biphenyls (PCBs)	USEPA SOP HW-37A, Rev. 0	June 2015
Volatile Organic Compounds (Air) (by Method TO-15)	USEPA SOP HW-31, Rev. 6	September 2016
Per- and PolyFluoroAlkyl Substances (PFAS)	* NYSDEC ** US Dept. of Defense	January 2021 November 2022
Radiological Analysis		
Uranium	USEPA Method 908.0	June 1999
Radium-226	USEPA Method 903.1	1980
General Chemistry Parameters	per NYSDEC ASP	July 2005

* Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, Appendix I

** Data Validation Guidelines Module 6: Data Validatioin Procedures for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24

TABLE 4-2

QUALITY CONTROL CRITERIA USED FOR VALIDATING LABORATORY ANALYTICAL DATA

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	PFAS
Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation
Holding Time	Holding Time	Holding Time	Holding Time	Holding Times	Holding Time
System Monitoring Compounds	Surrogate Recoveries	Surrogate Recoveries	Initial/Continuing Calibration	Calibration	Instr Performance Check
Lab Control Sample	Lab Control Sample	Matrix Spikes	CRDL Standards	Lab Control Samples	Initial Calibration
Matrix Spikes	Matrix Spikes	Blanks	Blanks	Blanks	Continuing Calibration
Blanks	Blanks	Instrument Calibration & Verification	Interference Check Sample	Spike Recoveries	Blanks
Instrument Tuning	Instrument Tuning	Comparison of duplicate GC column results	Spike Recoveries	Lab Duplicates	Surrogates
Internal Standards	Internal Standards	Analyte ID	Lab Duplicate		Lab Fortified Blank
Initial Calibration	Initial Calibration	Lab Qualifiers	Lab Control Sample		Matrix Spikes
Continuing Calibration	Continuing Calibration	Field Duplicate	ICP Serial Dilutions		Internal Standards
Lab Qualifiers	Lab Qualifiers		Lab Qualifiers		
Field Duplicate	Field Duplicate		Field Duplicate		

Method TO-15 (Air)	Radiological (U and Ra)
Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation
Holding Time	Holding Time
Canister Certification	Sample Specific Yield
Instrument Tuning	Required Detection Limit
Initial Calibration and Instrument Performance	Laboratory Control Sample
	Matrix Spikes
Daily Calibration	Method Blank
Blanks	Instrument Calibration
Lab Control Sample	
Field Duplicate	

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

U The analyte was analyzed for but was not detected at or above the sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).

J+ The result is an estimated quantity and may be biased high.

J- The result is an estimated quantity and may be biased low.

UJ The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated in red print. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-2. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG L2372291, two samples were analyzed and results were reported for 30 analytes. Even though some results were flagged with a "J" as estimated, all results (100%) are considered usable.

Table 6-1 8260 - BTEX

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-2 8270D-SVOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

Validated Analytical Results

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2372291

Project Name: RG+E GENESEO
Project Number: 2023172

Lab Number: L2372291
Report Date: 12/21/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2372291-01	MW-8-120623	WATER	RG+E PARK ST. FORMER MGP SITE	12/06/23 14:20	12/07/23
L2372291-02	TB-120623	WATER	RG+E PARK ST. FORMER MGP SITE	12/06/23 00:00	12/07/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2372291-02: A sample identified as "TB-120623" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich Report Date: 12/21/23

Title: Technical Director/Representative

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/8/23

ALPHA Job #: L2372291

Client Information
Client: New-Velle, LLC
Address: 10 Jones Ave
Rochester NY
Phone: 585-478-3167
Fax:
Email: Lreid@new-velle.com

Project Information
Project Name: RG+E Geneseo
Project Location: RG+E Park St. Former MGP Site
Project #: 2023172
(Use Project name as Project #) ☐
Project Manager: Logan Reid
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

*Low lvl SIMs, CC: jCarter@new-velle.com

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	BTEX 8260	8270 PAHs	Sample Specific Comments	Total Bottle
72291-01	MW-8-120623	12.6.23	14:20	GW	MS	X	X	Low Lvl SIMs	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	12.7.23 @ 14:15		
AAL	12/7 1700		12/7 1430
			12/8/23 0100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

GC/MS 8260
Analysis

No data validation quaifiers were added

MKP 3/27/2024

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: NEU-VELLE Inc	**Lab Number**	: L2372291
Project Name	: RG+E GENESEO	**Project Number**	: 2023172
Lab ID	: L2372291-01	**Date Collected**	: 12/06/23 14:20
Client ID	: MW-8-120623	**Date Received**	: 12/07/23
Sample Location	: RG+E PARK ST. FORMER MGP SITE	**Date Analyzed**	: 12/13/23 14:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01231213A18	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	2.2	0.50	0.16	
108-88-3	Toluene	2.2	2.5	0.70	J
100-41-4	Ethylbenzene	2.3	2.5	0.70	J
179601-23-1	p/m-Xylene	6.3	2.5	0.70	
95-47-6	o-Xylene	2.9	2.5	0.70	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: NEU-VELLE Inc	**Lab Number**	: L2372291
Project Name	: RG+E GENESEO	**Project Number**	: 2023172
Lab ID	: L2372291-02	**Date Collected**	: 12/06/23 00:00
Client ID	: TB-120623	**Date Received**	: 12/07/23
Sample Location	: RG+E PARK ST. FORMER MGP SITE	**Date Analyzed**	: 12/13/23 14:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01231213A19	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Semivolatiles Data
by Method 8270D-SIM

No data validation quaifiers were added

MKP 3/27/2024

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: NEU-VELLE Inc	**Lab Number**	: L2372291
Project Name	: RG+E GENESEO	**Project Number**	: 2023172
Lab ID	: L2372291-01	**Date Collected**	: 12/06/23 14:20
Client ID	: MW-8-120623	**Date Received**	: 12/07/23
Sample Location	: RG+E PARK ST. FORMER MGP SITE	**Date Analyzed**	: 12/15/23 12:05
Sample Matrix	: WATER	**Date Extracted**	: 12/12/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 72291-01	**Analyst**	: AH
Sample Amount	: 275 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.01	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.02	U
91-20-3	Naphthalene	0.05	0.10	0.05	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	ND	0.10	0.01	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	ND	0.10	0.01	U
85-01-8	Phenanthrene	ND	0.10	0.02	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.02	U

Appendix B

Laboratory QC Documentation

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

RGE Geneseo
Former MGP Site
Project #: 2023172

SDGs: **L2371088**
5 Water Samples and 1 Trip Blank

Prepared for:

Neu Velle, LLC
10 Jones Avenue
Rochester, NY 14608
Attention: Logan Reid

March 2024

EDU *Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 585-991-9156*

Table of Contents

Tables

REVIEWER'S NARRATIVE
Neu-Velle SDG L2371088: RGE Geneseo Former MGP

The data associated with this Sample Delivery Group (SDG) L2371088, analyzed by Alpha Analytical, Westborough, MA have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier 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 analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte 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.

Reviewer's Signature: Michael K. Perry Date: 3/27/2024

Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	RGE Geneseo Former MGP Site Geneseo, NY Project #: 2023172
SAMPLING DATE:	November 29 and December 01, 2023
SAMPLE TYPE:	5 water samples and 1 trip blank
LABORATORY:	Alpha Analytical Westborough, MA
SDG No.:	L2371088

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data packages consists of analytical results for five water samples and one trip blank collected on November 29 and December 01, 2023. These samples were analyzed for Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs).

All analyses were performed by Alpha Analytical, Westborough, MA and analyzed as SDG: L2371088. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents appropriate for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results were selected from those listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

Guidance Used For Validating Laboratory Analytical Data

Analyte Group	Guidance	Date
Metals (ICP-AES)	USEPA SOP HW-3a, Rev. 1	September 2016
Metals (Hg & CN)	USEPA SOP HW-3c, Rev. 1	September 2016
Volatile Organic Compounds (by Methods 8260B & 8260C)	USEPA SOP HW-24, Rev. 4	September 2014
Semi-Volatile Organic Compounds (by Method 8270D)	USEPA SOP HW-22 Rev. 5	December 2010
Pesticides (by Method 8181B)	USEPA SOP HW-44, Rev. 1.1	December 2010
Chlorinated Herbicides (by Method 8151A)	USEPA SOP HW-17, Rev. 3.1	December 2010
Polychlorinated Biphenyls (PCBs)	USEPA SOP HW-37A, Rev. 0	June 2015
Volatile Organic Compounds (Air) (by Method TO-15)	USEPA SOP HW-31, Rev. 6	September 2016
Per- and PolyFluoroAlkyl Substances (PFAS)	* NYSDEC ** US Dept. of Defense	January 2021 November 2022
Radiological Analysis		
Uranium	USEPA Method 908.0	June 1999
Radium-226	USEPA Method 903.1	1980
General Chemistry Parameters	per NYSDEC ASP	July 2005

* Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, Appendix I

** Data Validation Guidelines Module 6: Data Validatioin Procedures for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24

TABLE 4-2

QUALITY CONTROL CRITERIA USED FOR VALIDATING LABORATORY ANALYTICAL DATA

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	PFAS
Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation
Holding Time	Holding Time	Holding Time	Holding Time	Holding Times	Holding Time
System Monitoring Compounds	Surrogate Recoveries	Surrogate Recoveries	Initial/Continuing Calibration	Calibration	Instr Performance Check
Lab Control Sample	Lab Control Sample	Matrix Spikes	CRDL Standards	Lab Control Samples	Initial Calibration
Matrix Spikes	Matrix Spikes	Blanks	Blanks	Blanks	Continuing Calibration
Blanks	Blanks	Instrument Calibration & Verification	Interference Check Sample	Spike Recoveries	Blanks
Instrument Tuning	Instrument Tuning	Comparison of duplicate GC column results	Spike Recoveries	Lab Duplicates	Surrogates
Internal Standards	Internal Standards	Analyte ID	Lab Duplicate		Lab Fortified Blank
Initial Calibration	Initial Calibration	Lab Qualifiers	Lab Control Sample		Matrix Spikes
Continuing Calibration	Continuing Calibration	Field Duplicate	ICP Serial Dilutions		Internal Standards
Lab Qualifiers	Lab Qualifiers		Lab Qualifiers		
Field Duplicate	Field Duplicate		Field Duplicate		

Method TO-15 (Air)	Radiological (U and Ra)
Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation
Holding Time	Holding Time
Canister Certification	Sample Specific Yield
Instrument Tuning	Required Detection Limit
Initial Calibration and Instrument Performance	Laboratory Control Sample
	Matrix Spikes
Daily Calibration	Method Blank
Blanks	Instrument Calibration
Lab Control Sample	
Field Duplicate	

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

U The analyte was analyzed for but was not detected at or above the sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).

J+ The result is an estimated quantity and may be biased high.

J- The result is an estimated quantity and may be biased low.

UJ The analyte was analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated in red print. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-2. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG L2371088, six samples were analyzed and results were reported for 126 analytes. Even though some results were flagged with a "J" as estimated, all results (100%) are considered usable.

Table 6-1 8260 - BTEX

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none		none		

Table 6-2 8270D-SVOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
MW-4-120123	Benzo(ghi)perylene Dibenzo(a,h)antracene Indeno(1,2,3-cd)pyrene	J detects UJ non-detects	MS/MSD rec < QC limit	Data are estimated
MW-7-120123	Acenahthene 2-Chloronaphthalene Antracene Fluorene Phenanthrene	CRQL-U	Analyte detected in Equipment blank	Data changed to non-detect
DUPE-1-112923 MW-4-120123	Naphthalene	CRQL-U	Analyte detected in Equipment blank	Data changed to non-detect
MW-7-120123	Naphthalene	J detects	Analyte detected in Equipment blank	Data are estimated
MW-6-222923 MW-7-120123	2-Methylnaphthalene	J detects	Analyte detected in Equipment blank	Data are estimated

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

Validated Analytical Results

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2371088

Project Name: RG+E GENESEO
Project Number: 2013172

Lab Number: L2371088
Report Date: 12/15/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2371088-01	MW-6-112923	WATER	RG+E PARK STREET FORMER MGP	11/29/23 11:45	12/01/23
L2371088-02	DUPE-112923	WATER	RG+E PARK STREET FORMER MGP	11/29/23 00:00	12/01/23
L2371088-03	MW-4-112923	WATER	RG+E PARK STREET FORMER MGP	11/29/23 13:05	12/01/23
L2371088-04	MW-7-120123	WATER	RG+E PARK STREET FORMER MGP	12/01/23 12:05	12/01/23
L2371088-05	EQ-120123	WATER	RG+E PARK STREET FORMER MGP	12/01/23 12:30	12/01/23
L2371088-06	TRIP BLANK	WATER	RG+E PARK STREET FORMER MGP	12/01/23 00:00	12/01/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics by SIM

L2371088-03 and WG1859020-4: The sample has elevated detection limits due to limited sample volume available for analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelley Wolf Report Date: 12/15/23

Title: Technical Director/Representative

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 12/2/23

ALPHA Job #: L2371088

Client Information
Client: Nen-velle LLC
Address: 10 Jones Ave
Phone: 585-478-3167
Fax:
Email: greid@nen-velle.com

Project Information
Project Name: RG+E Geneseo
Project Location: RG+E Park Street - Fmr MGP
Project #: 7023172
(Use Project name as Project #) ☐
Project Manager: Logan Reid
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☒ Other Excel, PDF + EQuIS

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Low Level SIMS, cc: jcarter@nen-velle.com

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	BTEX 8260	PAHs 8270	Total Bottle	Sample Specific Comments
71088-01	MW-6-112923	11/29/23	11:45	GW	JC	x	x		Low Level SIMS
02	Dupe-112923	11/29/23	xx	GW	JC	x	x		"
03	MW-4-112923	11/29/23	13:05	GW	JC	x	x		"
↓	MW-4 MS/MSD	11/29/23	13:05	GW	JC	x	x		"
04	MW-7-120123	12/01/23	12:05	GW	JC	x	x		"
05	EQ-120123	12/01/23	12:30	GW	X	x	x		"
06	Trip Blnk	xx		xx		x			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	12/1/23 @ 15:55	AAL	12/1/23 1600
AAL	12/1/23 1700		12/2/23 0130

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

GC/MS 8260
Analysis

No data validation quaifiers were added

MKP 3/27/2024

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: NEU-VELLE Inc	**Lab Number**	: L2371088
Project Name	: RG+E GENESEO	**Project Number**	: 2013172
Lab ID	: L2371088-01	**Date Collected**	: 11/29/23 11:45
Client ID	: MW-6-112923	**Date Received**	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	**Date Analyzed**	: 12/10/23 00:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05231209N09	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	150	0.50	0.16	
108-88-3	Toluene	33	2.5	0.70	
100-41-4	Ethylbenzene	42	2.5	0.70	
179601-23-1	p/m-Xylene	50	2.5	0.70	
95-47-6	o-Xylene	52	2.5	0.70	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: NEU-VELLE Inc	**Lab Number**	: L2371088
Project Name	: RG+E GENESEO	**Project Number**	: 2013172
Lab ID	: L2371088-02	**Date Collected**	: 11/29/23 00:00
Client ID	: DUPE-112923	**Date Received**	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	**Date Analyzed**	: 12/10/23 00:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05231209N10	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: NEU-VELLE Inc	**Lab Number**	: L2371088
Project Name	: RG+E GENESEO	**Project Number**	: 2013172
Lab ID	: L2371088-03	**Date Collected**	: 11/29/23 13:05
Client ID	: MW-4-112923	**Date Received**	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	**Date Analyzed**	: 12/10/23 00:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05231209N11	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: NEU-VELLE Inc	**Lab Number**	: L2371088
Project Name	: RG+E GENESEO	**Project Number**	: 2013172
Lab ID	: L2371088-04	**Date Collected**	: 12/01/23 12:05
Client ID	: MW-7-120123	**Date Received**	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	**Date Analyzed**	: 12/10/23 01:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05231209N12	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	0.78	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	1.4	2.5	0.70	J
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: NEU-VELLE Inc	**Lab Number**	: L2371088
Project Name	: RG+E GENESEO	**Project Number**	: 2013172
Lab ID	: L2371088-05	**Date Collected**	: 12/01/23 12:30
Client ID	: EQ-120123	**Date Received**	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	**Date Analyzed**	: 12/10/23 01:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05231209N13	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: NEU-VELLE Inc	**Lab Number**	: L2371088
Project Name	: RG+E GENESEO	**Project Number**	: 2013172
Lab ID	: L2371088-06	**Date Collected**	: 12/01/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	**Date Analyzed**	: 12/10/23 02:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05231209N14	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Semivolatiles Data
by Method 8270D-SIM

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: NEU-VELLE Inc	Lab Number	: L2371088
Project Name	: RG+E GENESEO	Project Number	: 2013172
Lab ID	: L2371088-01D	Date Collected	: 11/29/23 11:45
Client ID	: MW-6-112923	Date Received	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	Date Analyzed	: 12/15/23 10:59
Sample Matrix	: WATER	Date Extracted	: 12/03/23
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 5
Lab File ID	: 088-01D2	Analyst	: AH
Sample Amount	: 275 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
83-32-9	Acenaphthene	3.2	0.50	0.07		
91-58-7	2-Chloronaphthalene	ND	1.0	0.09	U	
206-44-0	Fluoranthene	ND	0.50	0.10	U	
91-20-3	Naphthalene	200	0.50	0.24		
56-55-3	Benzo(a)anthracene	ND	0.50	0.10	U	
50-32-8	Benzo(a)pyrene	ND	0.50	0.08	U	
205-99-2	Benzo(b)fluoranthene	ND	0.50	0.06	U	
207-08-9	Benzo(k)fluoranthene	ND	0.50	0.04	U	
218-01-9	Chrysene	ND	0.50	0.06	U	
208-96-8	Acenaphthylene	26	0.50	0.06		
120-12-7	Anthracene	0.49	0.50	0.07	J	
191-24-2	Benzo(ghi)perylene	ND	0.50	0.07	U	
86-73-7	Fluorene	6.4	0.50	0.07		
85-01-8	Phenanthrene	2.7	0.50	0.12		
53-70-3	Dibenzo(a,h)anthracene	ND	0.50	0.06	U	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.50	0.06	U	
129-00-0	Pyrene	ND	0.50	0.10	U	
91-57-6	2-Methylnaphthalene	0.17	0.50	0.11	J	J

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: NEU-VELLE Inc	Lab Number	: L2371088
Project Name	: RG+E GENESEO	Project Number	: 2013172
Lab ID	: L2371088-02	Date Collected	: 11/29/23 00:00
Client ID	: DUPE-112923	Date Received	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	Date Analyzed	: 12/04/23 17:03
Sample Matrix	: WATER	Date Extracted	: 12/03/23
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 71088-02	Analyst	: AH
Sample Amount	: 275 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter		ug/L Results	RL	MDL	Qualifier	
83-32-9	Acenaphthene		ND	0.10	0.01	U	
91-58-7	2-Chloronaphthalene		ND	0.20	0.02	U	
206-44-0	Fluoranthene		ND	0.10	0.02	U	
91-20-3	Naphthalene	0.10 UJ	~~0.07~~	0.10	0.05	J	UJ
56-55-3	Benzo(a)anthracene		0.02	0.10	0.02	J	
50-32-8	Benzo(a)pyrene		ND	0.10	0.02	U	
205-99-2	Benzo(b)fluoranthene		ND	0.10	0.01	U	
207-08-9	Benzo(k)fluoranthene		ND	0.10	0.01	U	
218-01-9	Chrysene		ND	0.10	0.01	U	
208-96-8	Acenaphthylene		ND	0.10	0.01	U	
120-12-7	Anthracene		ND	0.10	0.01	U	
191-24-2	Benzo(ghi)perylene		ND	0.10	0.01	U	
86-73-7	Fluorene		ND	0.10	0.01	U	
85-01-8	Phenanthrene		ND	0.10	0.02	U	
53-70-3	Dibenzo(a,h)anthracene		ND	0.10	0.01	U	
193-39-5	Indeno(1,2,3-cd)pyrene		ND	0.10	0.01	U	
129-00-0	Pyrene		ND	0.10	0.02	U	
91-57-6	2-Methylnaphthalene		ND	0.10	0.02	U	

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: NEU-VELLE Inc	Lab Number	: L2371088
Project Name	: RG+E GENESEO	Project Number	: 2013172
Lab ID	: L2371088-03	Date Collected	: 11/29/23 13:05
Client ID	: MW-4-112923	Date Received	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	Date Analyzed	: 12/04/23 17:19
Sample Matrix	: WATER	Date Extracted	: 12/03/23
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 71088-03	Analyst	: AH
Sample Amount	: 214 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter		ug/L Results	RL	MDL	Qualifier	
83-32-9	Acenaphthene		ND	0.13	0.02	U	
91-58-7	2-Chloronaphthalene		ND	0.26	0.02	U	
206-44-0	Fluoranthene		ND	0.13	0.03	U	
91-20-3	Naphthalene	0.13 UJ	~~0.10~~	0.13	0.06	J	UJ
56-55-3	Benzo(a)anthracene		0.03	0.13	0.03	J	
50-32-8	Benzo(a)pyrene		ND	0.13	0.02	U	
205-99-2	Benzo(b)fluoranthene		ND	0.13	0.02	U	UJ
207-08-9	Benzo(k)fluoranthene		ND	0.13	0.01	U	
218-01-9	Chrysene		ND	0.13	0.02	U	
208-96-8	Acenaphthylene		ND	0.13	0.02	U	
120-12-7	Anthracene		ND	0.13	0.02	U	
191-24-2	Benzo(ghi)perylene		ND	0.13	0.02	U	
86-73-7	Fluorene		ND	0.13	0.02	U	
85-01-8	Phenanthrene		ND	0.13	0.03	U	
53-70-3	Dibenzo(a,h)anthracene		ND	0.13	0.02	U	UJ
193-39-5	Indeno(1,2,3-cd)pyrene		ND	0.13	0.02	U	UJ
129-00-0	Pyrene		ND	0.13	0.02	U	
91-57-6	2-Methylnaphthalene		ND	0.13	0.03	U	

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: NEU-VELLE Inc	Lab Number	: L2371088
Project Name	: RG+E GENESEO	Project Number	: 2013172
Lab ID	: L2371088-04	Date Collected	: 12/01/23 12:05
Client ID	: MW-7-120123	Date Received	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	Date Analyzed	: 12/09/23 15:22
Sample Matrix	: WATER	Date Extracted	: 12/05/23
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 71088-04	Analyst	: AH
Sample Amount	: 275 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter		ug/L Results	RL	MDL	Qualifier	
83-32-9	Acenaphthene	0.10 UJ	~~0.02~~	0.10	0.01	J	UJ
91-58-7	2-Chloronaphthalene	0.20 UJ	~~0.03~~	0.20	0.02	J	UJ
206-44-0	Fluoranthene		ND	0.10	0.02	U	
91-20-3	Naphthalene		0.12	0.10	0.05		J
56-55-3	Benzo(a)anthracene		ND	0.10	0.02	U	
50-32-8	Benzo(a)pyrene		ND	0.10	0.02	U	
205-99-2	Benzo(b)fluoranthene		0.02	0.10	0.01	J	
207-08-9	Benzo(k)fluoranthene		0.02	0.10	0.01	J	
218-01-9	Chrysene		0.01	0.10	0.01	J	
208-96-8	Acenaphthylene		0.02	0.10	0.01	J	
120-12-7	Anthracene	0.10 UJ	~~0.03~~	0.10	0.01	J	UJ
191-24-2	Benzo(ghi)perylene		0.03	0.10	0.01	J	
86-73-7	Fluorene	0.10 UJ	~~0.05~~	0.10	0.01	J	UJ
85-01-8	Phenanthrene	0.10 UJ	~~0.06~~	0.10	0.02	J	UJ
53-70-3	Dibenzo(a,h)anthracene		0.02	0.10	0.01	J	
193-39-5	Indeno(1,2,3-cd)pyrene		0.03	0.10	0.01	J	
129-00-0	Pyrene		ND	0.10	0.02	U	
91-57-6	2-Methylnaphthalene		0.17	0.10	0.02		J

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Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: NEU-VELLE Inc	Lab Number	: L2371088
Project Name	: RG+E GENESEO	Project Number	: 2013172
Lab ID	: L2371088-05	Date Collected	: 12/01/23 12:30
Client ID	: EQ-120123	Date Received	: 12/01/23
Sample Location	: RG+E PARK STREET FORMER MGP	Date Analyzed	: 12/09/23 15:39
Sample Matrix	: WATER	Date Extracted	: 12/05/23
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 71088-05	Analyst	: AH
Sample Amount	: 275 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	0.02	0.10	0.01	J
91-58-7	2-Chloronaphthalene	0.03	0.20	0.02	J
206-44-0	Fluoranthene	ND	0.10	0.02	U
91-20-3	Naphthalene	0.06	0.10	0.05	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.02	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.01	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.01	U
218-01-9	Chrysene	ND	0.10	0.01	U
208-96-8	Acenaphthylene	ND	0.10	0.01	U
120-12-7	Anthracene	0.02	0.10	0.01	J
191-24-2	Benzo(ghi)perylene	ND	0.10	0.01	U
86-73-7	Fluorene	0.02	0.10	0.01	J
85-01-8	Phenanthrene	0.03	0.10	0.02	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.01	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.01	U
129-00-0	Pyrene	ND	0.10	0.02	U
91-57-6	2-Methylnaphthalene	0.03	0.10	0.02	J

Appendix B

Laboratory QC Documentation

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: NEU-VELLE Inc	Lab Number	: L2371088
Project Name	: RG+E GENESEO	Project Number	: 2013172
Client Sample ID	: MW-4-112923	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2371088-03	Analysis Date	: 12/04/23 17:19
Matrix Spike	: WG1859020-4	MS Analysis Date	: 12/15/23 08:29
Matrix Spike Dup	: WG1859020-5	MSD Analysis Date	: 12/15/23 08:46

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Acenaphthene	ND	21.6	14	65		18.2	12	66		15	40-140	40
2-Chloronaphthalene	ND	21.6	13	60		18.2	11	61		17	40-140	40
Fluoranthene	ND	21.6	14	65		18.2	11	61		24	40-140	40
Naphthalene	0.10J	21.6	13	60		18.2	12	66		8	40-140	40
Benzo(a)anthracene	0.03J	21.6	14	65		18.2	12	66		15	40-140	40
Benzo(a)pyrene	ND	21.6	9.7	45		18.2	7.8	43		22	40-140	40
Benzo(b)fluoranthene	ND	21.6	11	51		18.2	8.8	48		22	40-140	40
Benzo(k)fluoranthene	ND	21.6	10	46		18.2	8.0	44		22	40-140	40
Chrysene	ND	21.6	13	60		18.2	11	61		17	40-140	40
Acenaphthylene	ND	21.6	13	60		18.2	11	61		17	40-140	40
Anthracene	ND	21.6	14	65		18.2	12	66		15	40-140	40
Benzo(ghi)perylene	ND	21.6	4.6	21	Q	18.2	3.6	20	Q	24	40-140	40
Fluorene	ND	21.6	14	65		18.2	12	66		15	40-140	40
Phenanthrene	ND	21.6	14	65		18.2	11	61		24	40-140	40
Dibenzo(a,h)anthracene	ND	21.6	4.6	21	Q	18.2	3.7	20	Q	22	40-140	40
Indeno(1,2,3-cd)pyrene	ND	21.6	5.3	25	Q	18.2	4.2	23	Q	23	40-140	40
Pyrene	ND	21.6	13	60		18.2	11	61		17	40-140	40
2-Methylnaphthalene	ND	21.6	14	65		18.2	12	66		15	40-140	40

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).