

Jamie Verrigni, P.E.
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Arcadis of New York, Inc. 6723 Towpath Road P.O. Box 66 Syracuse New York 13214-0066 Tel 315 446 9120 Fax 315 446 8053

Subject:

2016 Groundwater Sampling & Soil Cover Inspection Report Waterville Former MGP Site Waterville, New York

ENVIRONMENT

www.arcadis.com

Dear Mr. Verrigni:

On behalf of NYSEG, Arcadis is pleased to present this annual report summarizing the results of groundwater sampling and soil cover inspection activities conducted in 2016 at the Waterville manufactured gas plant (MGP) site. Relevant background information is provided below, followed by a discussion of the 2016 results and recommendations for the site.

Date:

November 22, 2016

Contact:

David Cornell

Phone:

315 671 9379

Email:

David.Cornell@arcadis.com

Our ref:

B0013053

BACKGROUND

As required by the New York State Department of Environmental Conservation's (NYSDEC's) Record of Decision (ROD) issued in March 2002, NYSEG administered a 5-year post-IRM groundwater monitoring program at the Waterville, New York MGP site. An evaluation of the results of this monitoring program was submitted to the NYSDEC on May 8, 2007. Based on the NYSDEC's comments on this evaluation, NYSEG agreed (in a letter dated January 4, 2008) to revise the scope of the monitoring to sampling one well (MW98-7D) annually for an additional 5 years (until 2012). Based on the results of the supplemental 5-year groundwater monitoring program completed in 2012 and discussions with the NYSDEC, NYSEG agreed to continue sampling groundwater from MW98-7D on an annual basis.

2016 GROUNDWATER SAMPLING EVENT

Arcadis sampled groundwater from monitoring well MW98-7D on July 20, 2016. The location of the well and other pertinent site features can be found on Figure 1. Consistent with the sampling events completed since 2004, the sampling from MW98-7D was conducted using low-flow purging techniques. The low-flow

Use or disclosure of information contained on this sheet is subject to the restriction and disclaimer located on the signature page of this document.

Jamie Verrigni, P.E. November 22, 2016

method consists of slowly purging water from the well at a rate of approximately 100 to 200 milliliters per minute until readings of the following field parameters stabilized: pH, dissolved oxygen, oxidation-reduction potential (ORP), turbidity and conductivity. The table below presents the values for these field parameters at the time of sampling:

| Well ID | pH (S.U.) ¹ | Temperature (°C) ² | Conductivity (mS/cm) ³ | Dissolved Oxygen (mg/L) ⁴ | ORP (mV) ⁵ | Turbidity (NTU) ⁶ |
|---------|---------------------------|----------------------------------|--------------------------------------|--------------------------------------|--------------------------|---------------------------------|
| MW98-7D | 7.12 | 12.02 | 0.396 | 0.16 | -103.6 | 3.42 |

Notes:

- ¹ S.U. = Standard Units.
- ² °C = degrees Celsius.
- ³ mS/cm = milliSiemens per centimeter.
- ⁴ mg/L = milligrams per liter.
- 5 mV = milliVolts.
- ⁶ NTU = Nephelometric Turbidity Units.

The collected sample was analyzed for BTEX (benzene, toluene, ethylbenzene, and xylenes) and PAHs (polycyclic aromatic hydrocarbons) by TestAmerica of Amherst, New York. No problems arose during the sampling event. The groundwater sampling log is included as Attachment 1 and the historical analytical results for MW98-7D are summarized in Table 1 in comparison to NYSDEC Class GA Standards and Guidance Values¹.

Consistent with previous sampling events, groundwater sampled from MW98-7D exceeded the NYSDEC Class GA Standards for all of the BTEX compounds. Also consistent with previous events, several PAHs continue to be detected in the sample collected from well MW98-7D. While trace amounts of individual PAHs continue to be detected, only acenaphthene and naphthalene were detected at a concentration above the NYSDEC Class GA Guidance Value for these compounds. The levels for both BTEX and PAHs were generally within the range of concentrations detected during the previous sampling rounds.

2015 RECONNAISSANCE OF SOIL COVER AREA

On July 20, 2016, Arcadis also performed the annual reconnaissance of the soil cover portion of the site, as required by the site's ROD. Unlike previous years, the area of soft wet soil typically observed in the southwest corner of the property, near the fence corner and just north of the MW98-7S/7D, was not present (Photo #1). This was likely due to the unusually dry summer in 2016. As reported in previous inspection reports, the above-ground pool installed at the 139 Babbott Avenue property, and raised-bed vegetable garden at 145 Babbott Avenue were still present during the 2016 inspection event (Photo #2). The pool appears to be located within the soil cover area and approximately 0.5 feet to 1.5 feet of material appears to have been excavated to facilitate the installation. No additional disturbances to the soil cover area were observed during the 2016 inspection.

¹ The NYSDEC Class GA Guidance Values are published in the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; reissued June 1998 and revised in April 2000 and June 2004.

Use or disclosure of information contained on this sheet is subject to the restriction and disclaimer located on the signature page of this document.

SUMMARY

The 2016 PAH analytical results for the groundwater sample collected from MW98-7D are higher than those from the previous two rounds but generally within the range of concentrations historically detected at this well. Only acenaphthene and naphthalene were found to exceed Class GA Guidance Values. BTEX concentrations decreased in 2016 compared to analytical results collected in 2015, but remained similar to the range of historical BTEX concentrations observed prior to 2015. Analytical data from the 2017 BTEX and PAH results will be evaluated to determine if any concentration trends become apparent.

Aside from the disturbances caused by the installation of the above-ground pool and raised garden, the soil cover appeared to be in good condition with no obvious damage.

The next groundwater sampling and soil cover inspection event is scheduled for the summer of 2017. If you have any questions, please feel free to contact John Ruspantini of NYSEG at 607.762.8787 or me at 315.671.9379.

Sincerely,

Arcadis of New York, Inc.

David A. Cornell Geologist

Copies:

John J. Ruspantini, CHMM, NYSEG Keith A. White, C.P.G., Arcadis

Enclosures:

Table

1 Comparison to NYSDEC Class GA Standards and Guidance Values

Figure

1 Site Map

Attachments

- Groundwater Sampling Log
- 2 Chain of Custody Record
- 3 Soil Cover Inspection Photograph Log

This report was prepared by David Cornell as an account of work sponsored by Arcadis of New York, Inc. Neither Company or Supplier, nor any person acting on its behalf: (a) makes any warranty, express or implied, with respect to the use of any information, apparatus, equipment, method, design, system, program or process disclosed in this report or that such use may not infringe privately owned rights; or (b) assumes any liability with respect to the use of, or for any damages, losses, costs, expenses or claims, resulting from or arising out of the use of any information, apparatus, equipment, method, design, system, program or process disclosed in this report.

TABLE

Table 1
Historical and Current Groundwater Analytical Results



New York State Electric & Gas Company Waterville MGP Site, Waterville, New York

| | Class GA | | | | | | | MW | 98-7D | | | | | | |
|------------------------|--------------------------|--------|---------------|----------|-----------------|---------|----------------|----------|-----------------|---------|----------------|---------|----------------|--------|---------------|
| | Groundwater Standards | 7/1/04 | 7/1/04 DUP | 11/11/04 | 11/11/04 DUP | 5/10/05 | 5/10/05 DUP | 11/10/05 | 11/10/05 DUP | 5/10/06 | 5/10/06 DUP | 11/7/06 | 11/7/06 DUP | 5/1/08 | 5/1/08 DUP |
| BTEX (ug/L) | | | | | | | | | • | • | | | | | |
| Benzene | 1 | 170 | 160 | 98 | 100 | 160 | 150 | 90 | NA | 140 | 140 | 110 | 94 | 140 D | 120 D |
| Ethylbenzene | 5 | 96 | 82 | 74 | 73 | 110 | 110 | 84 | NA | 97 | 93 | 85 | 66 J | 86 | 81 |
| Toluene | 5 | 31 | 27 | 19 J | 19 J | 26 | 28 | 20 J | NA | 27 | 26 | 18 | 16 J | 26 | 24 |
| total Xylenes | 5 | 100 | 92 | 88 | 86 | 110 | 110 | 81 | NA | 95 | 91 | 90 | 64 J | 90 | 86 |
| TOTAL BTEX | | 397 | 361 | 279 | 278 | 406 | 398 | 275 | 0 | 359 | 350 | 303 | 240 | 342 | 311 |
| PAHs (ug/L) | | | | | | | | | | | | | | | |
| 2-Methylnaphthalene | | NA | NA | 130 | 140 | 110 | 120 | 140 | 140 | 130 | 52 | 100 J | 82 J | 110 | 97 |
| Acenaphthene | 20 G | 190 | 190 | 120 | 130 | 110 | 110 | 140 | 140 | 96 J | 92 | 140 | 110 | 120 | 120 |
| Acenaphthylene | | 40 J | 42 J | 25 J | 27 J | 23 J | 22 J | 24 J | 23 J | 19 J | 14 J | 19 J | 15 J | 22 | 22 |
| Anthracene | 50 G | 16 J | 17 J | 11 J | 13 J | 7 J | 7.2 J | 11 J | 11 J | 44 J | 5.2 J | 8.7 J | 7.6 J | 8 | 9 |
| Benzo(a)anthracene | 0.002 G | 10 U | 10 U | 10 U | 10 U | 5.3 U | 5.3 U | 10 U | 10 U | 10 U | 2.1 U | 11 U | 10 U | 5 U | 5 U |
| Benzo(a)pyrene | ND | 10 U | 10 U | 10 U | 10 U | 5.3 U | 5.3 U | 10 U | 10 U | 10 U | 2.1 U | 11 U | 10 U | 5 U | 5 U |
| Benzo(b)fluoranthene | 0.002 G | 10 U | 10 U | 10 U | 10 U | 5.3 U | 5.3 U | 10 U | 10 U | 10 U | 2.1 U | 11 U | 10 U | 5 U | 5 U |
| Benzo(g,h,i)perylene | | 100 U | 100 U | 100 U | 100 U | 53 U | 53 U | 100 U | 100 U | 100 U | 21 U | 110 U | 100 U | 5 U | 5 U |
| Benzo(k)fluoranthene | 0.002 G | 10 U | 10 U | 10 U | 10 U | 5.3 U | 5.3 U | 10 U | 10 U | 10 U | 2.1 U | 11 U | 10 U | 5 U | 5 U |
| Chrysene | 0.002 G | 100 U | 100 U | 100 U | 100 U | 53 U | 53 U | 100 U | 100 U | 100 U | 21 U | 110 U | 100 U | 5 U | 5 U |
| Dibenzo(a,h)anthracene | | 10 U | 10 U | 10 U | 10 U | 5.3 U | 5.3 U | 10 U | 10 U | 10 U | 2.1 U | 11 U | 10 U | 5 U | 5 U |
| Dibenzofuran | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2 J | 2 J |
| Fluoranthene | 50 G | 6.7 J | 6.1 J | 100 U | 3.6 J | 2.6 J | 2.3 J | 100 U | 100 U | 100 U | 21 U | 3.5 J | 3 J | 3 J | 3 J |
| Fluorene | 50 G | 28 J | 29 J | 18 J | 22 J | 13 J | 13 J | 100 U | 17 J | 57 J | 28 | 14 J | 12 J | 16 | 15 |
| Indeno(1,2,3-cd)pyrene | 0.002 G | 10 U | 10 U | 10 U | 10 U | 5.3 U | 5.3 U | 10 U | 10 U | 10 U | 2.1 U | 11 U | 10 U | 5 U | 5 U |
| Naphthalene | 10 G | 1600 | 1600 | 1400 | 1500 | 970 | 1000 | 1200 | 1100 | 910 | 360 | 1300 | 930 | 1100 D | 980 D |
| Phenanthrene | 50 G | 88 J | 90 J | 58 J | 66 J | 44 J | 42 J | 54 J | 51 J | 75 J | 39 | 51 J | 44 J | 46 | 45 |
| Pyrene | 50 G | 8.8 J | 9 J | 100 U | 4.5 J | 2.9 J | 3.4 J | 100 U | 100 U | 100 U | 21 U | 4.1 J | 3.1 J | 4 J | 4 J |
| TOTAL PAHs | | 1978 | 1983 | 1762 | 1906 | 1283 | 1320 | 1569 | 1482 | 1331 | 590 | 1640 | 1207 | 1431 | 1297 |

See Notes on Page 2.

Table 1
Historical and Current Groundwater Analytical Results



New York State Electric & Gas Company Waterville MGP Site, Waterville, New York

| | Class GA | | | | | | MW98-7D | | | | | |
|------------------------|-------------|---------|---------|---------|---------|--------|---------|---------|---------|-----------|----------|-----------|
| | Groundwater | | 5/28/09 | | 5/12/10 | | 6/3/11 | | | | | |
| | Standards | 5/28/09 | DUP | 5/12/10 | DUP | 6/3/11 | DUP | 6/21/12 | 6/28/13 | 6/20/2014 | 7/9/2015 | 7/20/2016 |
| BTEX (ug/L) | | | | | | | | | | | | |
| Benzene | 1 | 110 D | 120 D | 110 D | 110 D | 57 J | 170 J | 90 J | 8.9 | 17 | 68 | 39 J |
| Ethylbenzene | 5 | 90 | 91 | 95 | 96 | 36 J | 150 J | 97 J | 6.3 | 11 | 66 | 48 J |
| Toluene | 5 | 22 | 23 | 22 | 22 | 9 J | 34 J | 18 | 2.2 | 3.3 | 15 | 9.7 J |
| total Xylenes | 5 | 91 | 93 | 96 | 99 | 46 J | 139 J | 93 J | 7.5 | 17 | 74 | 52 J |
| TOTAL BTEX | | 313 | 327 | 323 | 327 | 148 | 493 | 298 | 24.9 | 48 | 223 | 149 |
| PAHs (ug/L) | | | | | | | | | | | | |
| 2-Methylnaphthalene | | 110 | 140 | 110 | 120 D | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | 20 G | 120 | 140 | 150 D | 150 D | 130 | 160 | 86 J | 120 J | 61 | 35 | 100 J |
| Acenaphthylene | | 19 | 25 | 27 | 23 D | 21 J | 24 J | 12 J | 20 J | 5.6 | 0.66 J | 18 |
| Anthracene | 50 G | 7.8 | 9.6 | 12 | 9.3 D | 8.5 J | 9.6 J | 6.3 J | 7.7 J | 4.2 | 4.9 J | 7.8 |
| Benzo(a)anthracene | 0.002 G | 0.48U | 0.48U | 0.5 U | 4.8U,D | 48U | 48U | ND | ND | 1.9 U | 5.2U | 4.8U |
| Benzo(a)pyrene | ND | 0.48U | 0.48U | 0.5 U | 4.8U,D | 48U | 48U | ND | ND | 1.9 U | 5.2U | 4.8U |
| Benzo(b)fluoranthene | 0.002 G | 0.48U | 0.48U | 0.5 U | 4.8U,D | 48U | 48U | ND | ND | 1.9 U | 5.2U | 4.8U |
| Benzo(g,h,i)perylene | | 0.48U | 0.48U | 0.5 U | 4.8U,D | 48U | 48U | ND | ND | 1.9 U | 5.2U J | 4.8U |
| Benzo(k)fluoranthene | 0.002 G | 0.48U | 0.48U | 0.5 U | 4.8U,D | 48U | 48U | ND | ND | 1.9 U | 5.2U | 4.8U |
| Chrysene | 0.002 G | 0.48U | 0.48U | 0.5 U | 4.8U,D | 48U | 48U | ND | ND | 1.9 U | 5.2U | 4.8U |
| Dibenzo(a,h)anthracene | | 0.48U | 0.48U | 0.5 U | 4.8U,D | 48U | 48U | ND | ND | 1.9 U | 5.2U J | 4.8U |
| Dibenzofuran | | 2.3 | 2.9 | 3 | 2.6 D,J | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | 50 G | 2.6 | 3.2 | 3.8 | 4.8U,D | 48U | 48U | ND | 2.7 J | 1.7 J | 1.7 J | 2.6 J |
| Fluorene | 50 G | 19 | 24 | 24 | 23 D | 20 J | 22 J | 15 J | 18 | 8.5 | 9.7 | 14 |
| Indeno(1,2,3-cd)pyrene | 0.002 G | 0.48U | 0.48U | 0.5 U | 4.8U,D | 48U | 48U | ND | ND | 1.9 U | 5.2U J | 4.8U |
| Naphthalene | 10 G | 850 D | 1100 D | 980 D | 1100 D | 780 | 1000 | 600 | 990 D | 1.9 U | 0.86 J | 640 D |
| Phenanthrene | 50 G | 44 | 56 | 62 | 61 D | 59 | 69 | 37 J | 49 | 23 | 24 | 45 |
| Pyrene | 50 G | 3 | 3.7 | 4.4 | 3.8 D,J | 3.3 J | 3.7 J | ND | 3.4 J | 2.2 | 2 J | 2.8 J |
| TOTAL PAHs | | 1178 | 1504 | 1376 | 1493 | 1022 | 1288 | 756 | 1211 | 110 | 94.4 | 830.2 |

Notes:

D = Concentration is based on a diluted sample analysis.

The NYSDEC Class GA Guidance Values are published in the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; reissued June 1998 and revised in April 2000 and June 2004.

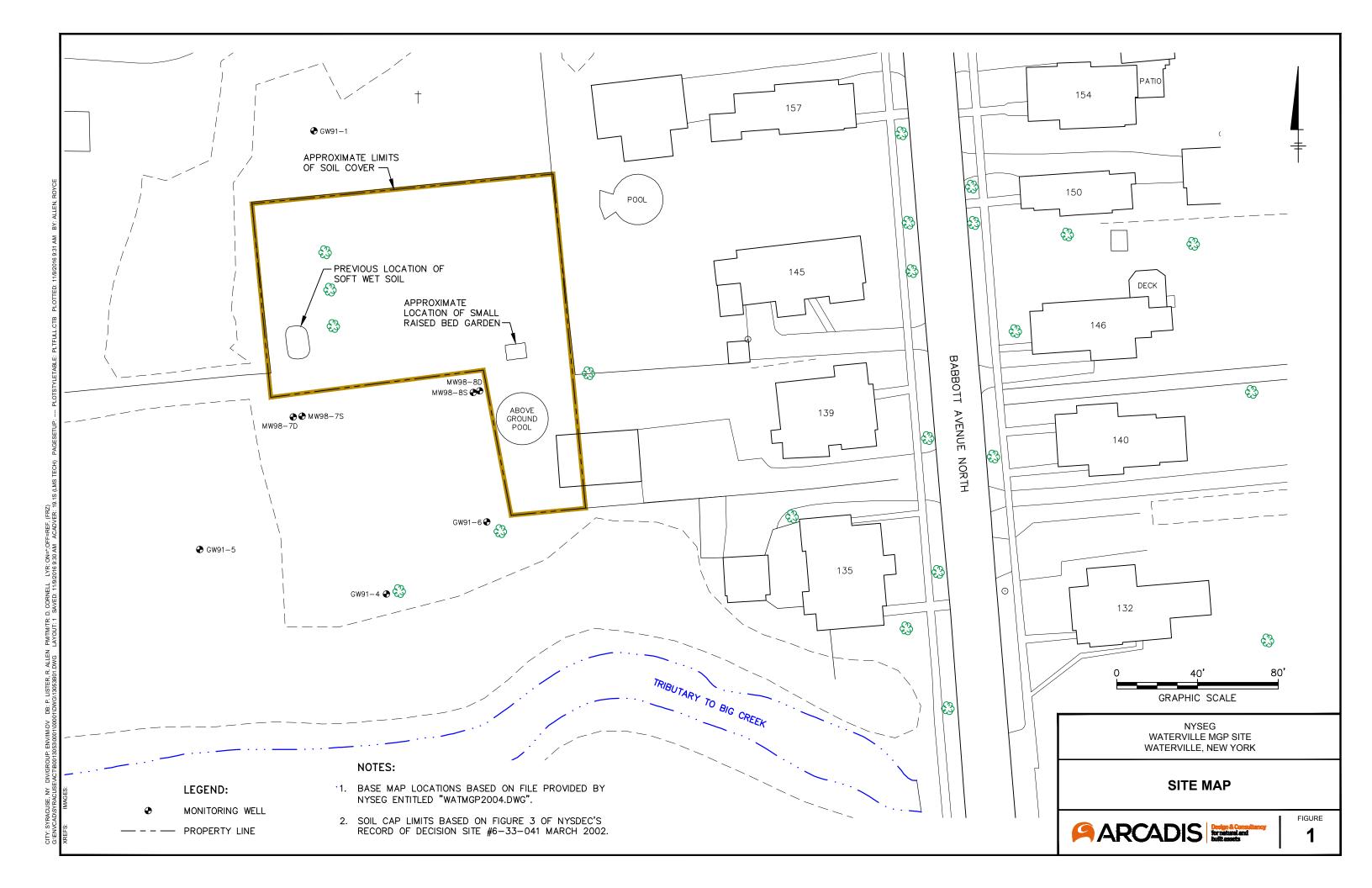
J = The concentration given is an approximate value.

NA = Not available/Not applicable.

U = The compound was not detected at the indicated concentration.

ND = Not detected.

FIGURE



ATTACHMENT 1

Groundwater Sampling Log

Levia G Terrell/Nicholle R Griffith

Sampling Personnel:

MW=98-7D

GROUNDWATER SAMPLING LOG

Well ID:

| • | _ | |
|---|----|-----|
| | Ev | ent |

| Client / Job Number: | | | | | | | | 7120 | 116 | | | | |
|-------------------------------------|-------------|---------|-------------|------------|-------------|-------------|-------------|-------------------|----------|----------------|--------------|-----------|----------|
| Weather: Su | nny 75 | | | *** | | 1 | Γime In: | 10:10 | 1 | ne Out: | 13: | 00 | |
| Well Information | • | | | | | | | | | | | | |
| Depth to Water: (15 | (feet) | | 150 | om MP) | | Well Type: | | | | Flushmount Sti | | | |
| Total Depth: | (feet) | | | | | Well Ma | aterial: | | | Stamless S | iteel | | PVC |
| 11 6 /1 | | | | | | Well Lo | cked: | | - | 8 | Yes | | (No |
| | | | | | | Measur | ing Point N | /larked: | | | Yes | | No |
| Volume of Water in Well: (gal) / '1 | | | | | | Well Dia | ameter: | | 1 | . / | 2" Oth | her: | |
| Purging Information | | | | | | | | | 12 | | | | |
| Purging Method: | Bailer | | Peristaltic | | Grund | fos Othe | er: | | | Conv | ersjon Fa | ctors | |
| Tubing/Bailer Material: | St. Steel | P(c | olyethylene | | Tef | (0.00.00.00 | | | gal / fi | 1" ID | 2" ID | 4" ID | 6" ID |
| Sampling Method: | Bailer | | Peristaltic | | Grund | | | | of wate | 0.041 | 0.163 | 0.653 | 1.469 |
| Duration of Pumping: | (min) | | | | | | | | 1 gal = | 3.785 L =3 | 3785 ml = 0 |).1337 cu | bic feet |
| Average Pumping Rate: | 3 (ml/min) | | Water | -Quality M | eter Type: | | YSI /I amo | Z 000 tte 2020 | | Ur | nit Stabilit | у | |
| Total Volume Removed: | 1-0 (gal) | | - | Did w | ell go dry: | | | | pН | DO | Cond | .t | ORP |
| | | | | | 3 7- | | | .9 | ± 0.1 | ± 10% | ± 3.0 | % ± | 10 mV |
| | 1 2 | 2 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| Parameter: | 10.20 10.25 | 10:30 | 10135 | 10:40 | 10:45 | 10:00 | 10:55 | 11:00 | 11:05 | 11:10 | 11:15 | 11:2. | 7 |
| Volume Purged (gal) () | 900 0.3 | 0.5 | 0.7 | 11.8 | 101 | 1.2 | 1.4 | 15 | 1.6 | 1.7 | 1.8 | 1.9 | |
| Rate (mL/min) | 200 130 | | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 150 | 130 | 130 | 1 |
| Depth to Water (ft.) | 8.08 8.17 | | 8.39 | 1 | 8.58 | 8.45 | 8.71 | 8.83 | 8.83 | 8.8W | 8.71 | 8-93 | 1 |
| pH | 6.70 6.85 | 5 6.89 | 494 | 6.97 | | 7.03 | 7.06 | 7.07 | 7.08 | 7.10 | 709 | 7.69 | 1 |
| Temp. (C) | 12.14 12.4 | e 12.77 | 12.71 | 12.79 | 12.47 | 12.25 | 11.25 | 12.38 | 13.27 | 11-85 | 11.90 | 1493 | |
| Conductivity (mS/cm) | 0.381 0.38 | 0.384 | 0.366 | 0.387 | 1.290 | | | 0.391 | | , | 11 / | 1201 | 1 |

0:40 0:34

0.40

-108.1

102.6-107.9-104.0

0.41

4.54 4.31 3.01 291

Jun 12

Sampling Information

Dissolved Oxygen (mg/L)

ORP (mV)

Notes:

Turbidity (NTU)

| Analyse | s # | Laboratory |
|-----------------------|-----------|---------------------|
| BTEX | // 3 | TestAmerica Buffalo |
| PAHs | 2 | TestAmerica Buffalo |
| Sample ID: M | w9x7 | Sample Time: 11.35 |
| MS/MSD: | (Yes) | No The |
| Duplicate: | Yes | No |
| Duplicate ID | MA | Dup. Time: NA |
| Chain of Custo By: | dy Signed | |

Problems / Observations

0.37 0.34

-110.9-111.8-11.5-110.8-108.10-107.0

26.0

707.3 -108-2

Inital: Clar. Colorless. odalus Anal: SAA

Event

| GROUNDWATER SAMPLING LOG | | |
|--------------------------|------|---|
| | | _ |

| Sampling Personnel: | Levia G Terrell/Nicholle R Griffith | Well ID: MW- 98 | -7D | |
|----------------------|-------------------------------------|-----------------|---------------|---|
| Client / Job Number: | NYSEG Waterville / B0013053 | Date: 7-20-16 | | |
| Weather: SUNNU | 75 | Time In: 10 10 | Time Out: 170 | O |

| Well Information | | | |
|--------------------------|--------|-------|-----------|
| Depth to Water: | (feet) | 6,53 | (from MP) |
| Total Depth: | (feet) | 18.47 | (from MP) |
| Length of Water Column: | (feet) | 1194 | |
| Volume of Water in Well: | (gal) | 1.9 | |

| Well Type: | Flushmount | Stick-Up |
|-------------------------|-----------------|----------|
| Well Material: | Stainless Steel | PVC |
| Well Locked: | Yes | No |
| Measuring Point Marked: | Yeś | No |
| Well Diameter: | 1" (2") Oth | er: |

Purging Information

| Purging Method: | Baile | er | Peristaltic | Grundfos | Other: | | Conversion Factors | | | | |
|-------------------------|----------|------|--------------|---------------|----------------|----------|---|-------------|-----------|----------|--|
| Tubing/Bailer Material: | St. Stee | el | Polyethylene | Teflon | Other: | gal / ft | | 2" ID | 4" ID | 6" ID | |
| Sampling Method: | Baile | ep ' | Peristaltic | Grundfos | Other: | | of water 0.041 0.163 1 gal = 3.785 L = 3785 ml = 0. | | 0.653 | 0.188 | |
| Duration of Pumping: | (min) | 70 | | | | 1 gal = | 3.785 L =3 | 785 ml = 0 | 0.1337 cu | bic feet | |
| Average Pumping Rate: | (ml/min) | 130 | Water-Qualit | y Meter Type: | YSI /Lamotte 2 | 2100G | Un | it Stabilit | у | | |

| Average Pumping Rate: | (ml/min) 130 | Water-Quality Meter Type: | | YSI/Lamotte 2020 | Unit Stability | | | | | |
|-----------------------|--------------|---------------------------|-----|------------------|----------------|-------|--------|---------|--|--|
| Total Volume Removed: | (gal) (12 () | Did well go dry: | Yes | | pН | DO | Cond. | ORP | | |
| | 102.0 | | | | ± 0.1 | ± 10% | ± 3.0% | ± 10 mV | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|-------------------------|--------|--------|---|---|---|---|---|---|---|-----|----|----|----|
| Parameter: | 11:25 | 11:30 | | | | | | | | | | | |
| Volume Purged (gal) | 2.0 | 2.1 | | | | | | | | | | | |
| Rate (mL/min) | 130 | 130 | | | | | | | | | | | |
| Depth to Water (ft.) | | 9.01 | | | | | | | | | | | |
| pH | 100000 | 7.12 | | | | | | | | | | | |
| Temp. (C) | 1199 | 12.02 | | | | | | | | | | | |
| Conductivity (mS/cm) | 0.39 K | 0.396 | | | | | | | | | | | |
| Dissolved Oxygen (mg/L) | | 0.16 | | | | | | | | | | | |
| ORP (mV) | -104.0 | -103 6 | | | | | | | | | | | |
| Turbidity (NTU) | 3.75 | 3.42 | | | | | | | | | | | - |
| Notes: | | | | | | | | | | - | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | 121 | | | |

Sampling Information

| Analyse | es | # Lab | oratory |
|-----------------------|-----------|----------|-----------------|
| BTEX | 7 | 3 Test | America Buffalo |
| PAHs | | 2 Test/ | America Buffalo |
| Sample ID: MS/MSD: | Yes | Sample | Time: (1.3) |
| Duplicate: | Yes | (Na) | |
| Duplicate ID | NA | Dup. Tir | ne: NA |
| Chain of Cust By: | ody Signe | d N | JR6 |

Problems / Observations

per port!

ATTACHMENT 2

Chain of Custody Record

10 Hazelwood Drive Chain of Custody Record Amherst, NY 14228-2298 Phone (716) 691-2600 Fax (716) 691-7991 MICHOLLE GRIFFTH Lab PN: Deyo, Melissa L COC No: Client Information 480-85324-13625.1 Client Contact: E-Mail: Pulling Stephens DAVE CONNELL 35-446-9120 melissa.deyo@testamericainc.com Page 1 of 1 Job#. ARCADIS U.S. Inc. Analysis Requi Address: Due Date Requested: Preservation Codes: 6723 Towpath Road A-HCL TAT Requested (days): B-NaOH N-Nane Syracuse C - Zn Acetate O-AsNaO2 State, Zip: STAVOLLD D-Nitric Acid P-Na204S E - NaHSO F - MeOH NY, 13214-0066 E-NaHSO4 Q - Na2503 R - Na2S2O3 Phone: 215-446-9120 G-Amchlor S-H2S04 Purchase Order Requested H - Ascorbic Acid T - TSP Dodecahydrate U - Acetone William.Stephens@arcadis-us.com NYSEG-Waterville/John Ruspantini J - DI Water V-MGAA Total Number of containers Project Name: K-EDTA L-EDA W-ph 4-6 Project #: Z - other (specify) NYSEG - Waterville 48004255 SSOW# 8270D - PAH 8VOGS 8260C - BTEX VOCS Sample (V/=water, S≔solid, O=wastolod, Type Sample (C=comp, \$83326 - Syracuse SC Time Sample Identification Sample Date G=grab) A-Air) Special Instructions/Note: Preservation Code: N A A 69 MW98-1D Water Water Water Water Water Water Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Agentive For Month Return To Client Months Deliverable Requested: I, II, III, IV, Other (specify) Special Instructions/QC Requirements: Empty Kit Relinquished by Date: Time: Method of Shipment: Relinquished by: N. Griff Relinquished by: 0245 Relinquished by: Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks: A Yes A No

Page 21 of 22

TestAmerica Buffalo

ATTACHMENT 3

Soil Cover Inspection Photograph Log

CLIENT: NYSEG
PROJECT#: B0013053.0001
PHOTOGRAPH #: 1
PHOTOGRAPHER: LT
DATE: 07/20/16
DIRECTION: E
COMMENT: Raised bed garden and above ground swimming pool behind 139 and 145 Babbott Avenue.

SITE NAME: Waterville Former MGP Site
SITE LOCATION: Waterville, New York

PHOTOGRAPHER: LT
DATE: 07/20/16
DIRECTION: E

